



Japanese Technology since 1912

General Catalog 2018



EBARA Pumps Europe S.p.A.

EBARA Pumps Europe S.p.A. was founded in 1988 in Italy, but the official inauguration was in 1992 with the Cles (Trento) plant opening, one of the largest in Europe for the manufacturing of stainless steel pumps.

EBARA Pumps Europe S.p.A. is the European branch of EBARA CORPORATION in Tokyo, Japanese multinational company, with a worldwide presence in the sector for over 100 years, with the constant will to meet technological development and market requirement, in the total respect of the environment.

EBARA Pumps Europe S.p.A. represents one of the most important centre in Europe for the market of the industrial and domestic pumps thanks to the innovative range of stainless steel and cast iron products and the high technological level achieved in the years with particular reference to the pressing, stamping and welding processes.

EBARA Corporation

Is the world leader in design, development and manufacture of pumps and pumping systems.

EBARA represents in Japan and in the world the great example of a Group able to anticipate and meet the market requirements. For over 100 years this large company has extended and improved its basis products, the widest range in the world of industrial and domestic pumps, turbomachines, fans and compressors in the world.

EBARA is a large company which is concerned with the manufacture of quality and innovative products.

The EBARA Group counts 82 Subsidiary Companies and associated firms in Japan and in the rest of its worldwide network. In Japan there are four large plants: Haneda, Sodegaura, Fujisawa and Futtsu.

Mission

The "creation of a sustainable company" is at the basis of the EBARA Group philosophy (about 15.000 employees in the world), a company deeply linked to water, air and the environment, indispensable elements for life on earth. EBARA intends to "create products gaining customers' trust and satisfaction" and to aid countries throughout the world, contributing in creating the infrastructures necessary for achieving sustainable economic and social growth, following the traditions, offering high quality products and services thanks to advanced technology and enormous experience.

EBARA Pumps Europe S.p.A. currently employs more than 500 workers and aims to enhance its position of leadership on the world market.

DNV-GL

MANAGEMENT SYSTEM CERTIFICATE

Certificato no./Certificate No.: 15499D-2014-AE-CFA-ACCREDIA Data prima emissione/Initial date: 14 ottobre 2014 Validità/Valid: 14 ottobre 2017 - 14 ottobre 2020

Si certifica che il sistema di gestione di/This is to certify that the management system of

EBARA PUMPS EUROPE S.p.A.

Sede Legale: Via Pacinotti,32 - 36040 Brendola (VI) - Italy

È conforme ai requisiti della norma per il Sistema di Gestione Ambientale/ Has been found to conform to the Environmental Management System standard:

UNI EN ISO 14001:2015 (ISO 14001:2015)

Valutato secondo le prescrizioni del Regolamento Tecnico RT-09/ Evaluated according to the requirements of Technical Regulations RT-09

Questa certificazione è valida per il seguente campo applicativo:
Progettazione e produzione di pompe e sistemi di pompaggio attraverso le fasi di stampaggio plastica, taglio lamiera e coils, stampaggio lamiera, saldatura, tornitura e fresatura, lavaggio, passivazione, lucidatura, verniciatura, assemblaggio e collaudo
(Settore EA: 18 - 17 - 14)

This certificate is valid for the following scope:
Design, and manufacturing of pumps and pumping systems by means of plastic moulding, metal cutting and shearing, metal stamping, welding, machining and milling, cleaning, passivation, polishing, painting, assembly and testing
(EA Sector: 18 - 17 - 14)

Luoogo e Data/Place and date: Vimercate (MB), 12 ottobre 2017

Per l'Organismo di Certificazione/ For the Certification Body: ACCREDIA

Responsabile Privato/ Management Representative: [Signature]

La validità del presente Certificato è subordinata al rispetto delle condizioni contenute nel Contratto di Certificazione/ Lack of fulfillment of conditions as set out in the Certification Agreement may render this Certificate invalid.

DNV-GL

MANAGEMENT SYSTEM CERTIFICATE

Certificato No./Certificate No.: CERT-17819-2006-AQ-VEN-SINCERT Data prima emissione/Initial date: 13 ottobre 2006 Validità/Valid: 10 ottobre 2015 - 10 ottobre 2018

Si certifica che il sistema di gestione di/This is to certify that the management system of

EBARA PUMPS EUROPE S.p.A.

Via Pacinotti, 32 - 36040 Brendola (VI) - Italy

È conforme ai requisiti della norma per il Sistema di Gestione Qualità/ has been found to conform to the Quality Management System standard:

UNI EN ISO 9001:2008 (ISO 9001:2008)

Questa certificazione è valida per il seguente campo applicativo:
Progettazione, produzione, vendita e commercializzazione di pompe e sistemi di pompaggio
(Settore EA: 18 - 17 - 14)

This certificate is valid for the following scope:
Design, manufacture, sales and trade of pumps and pumping systems
(EA Sector: 18 - 17 - 14)

Luoogo e Data/Place and date: Vimercate, 06 agosto 2015

Per l'Organismo di Certificazione/ For the Certification Body: ACCREDIA

Responsabile Privato/ Management Representative: [Signature]

La validità del presente Certificato è subordinata al rispetto delle condizioni contenute nel Contratto di Certificazione/ Lack of fulfillment of conditions as set out in the Certification Agreement may render this Certificate invalid.



EBARA

Japanese Technology since 1912



Everything you need in just one click!

Visit our website at www.ebara.eu



Data book

The complete technical documentation where find all pumps data



Instruction Manual

The technical manual where find all information to install our pumps properly



Kensaku

The system to select the spare parts



EZ-finder

The software to find and select the suitable pump for any requirment
<https://ezfinder.ebara.com>



Service

An expert team at disposal to suggest the right product and supporting for aftersales matters

Fields of applications



INDUSTRY

EBARA offers a wide range of solutions thanks to the extensive experience in the business of electric pumps, developed for more than 100 years, and to the great knowledge of the performance and specifications of stainless steel, a material that perfectly fits various industrial applications. Added to this, the company is able to adapt its solutions to different needs, creating a wide range of “tailored” products and ensuring to customers not only a product, but most of all a pumping system and an efficient and reliable service.



BUILDING SERVICE

HVAC, pressure boosting, fire fighting

Comfort, well-being and safety are the main necessities that everybody wants to satisfy in his home environment, in his workplace and in his free time. An advanced climate control system, simple and effective in providing heat or cold in the various situations, water management in all domestic environments without waste, and an always reliable security system in case of fire: these are just some of the applications for centrifugal pumps. EBARA Pumps Europe is able not only to provide the right product for these instances, but above all to ensure comfort, reliability and cost savings throughout all the period pumps are used.



DRAINAGE AND WASTEWATER

All around the world buildings and industries produce wastewater, which has to be disposed of in reliable way in order to meet regulatory standards. Our pumps and lifting units guarantee an effective purification with highly reliable systems, both for small household applications and large industrial installations. Whatever the application, EBARA has a fast and efficient solution.



WATER SUPPLY

Municipal/Residential water works, agriculture and irrigation, pressure boosting

Water distribution and treatment is the basic condition for human life, from civil applications to use for agriculture. For this reason EBARA knows to have a great responsibility towards people and environment, and the company constantly works to meet the water needs with great efficiency, while respecting the environment.

Icons legend



Lightweight and easily transportable
Easy to transport thanks to its particularly lightweight and Manoeuvrability



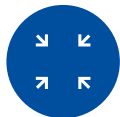
Practical and easy to use
A product easy to install and set-up



Available with brass impeller
Available with brass impeller, to reduce the risk of blockage caused by oxidation



Sturdy construction
A product characterized by a sturdy construction designed to long-life working



Compact dimensions
A compact product that has high performances and allows installation in those areas where minimum dimensions are required



Stainless steel AISI 316 version available
A product available in stainless steel AISI 316



Silent
A product that can offer high performance and reduced noise



Nickel-plated version available
A product available in nickel-plated version, strongly resistant for long-life working



Provided with counterflanges
Counterflanges are included



Easy maintenance
A product designed with advanced technical solution for easy maintenance



Different connections available
This product have many different connection types available (flanges, clamp, Victaulic, etc...)



High efficiency
EBARA Technology ensure high hydraulic efficiency



Volute obtained with hydro-forming process
The core of centrifugal EBARA pumps is the volute, obtained with a high pressure forming process with plasma; this is the ultimate generation of pumps for water movement



High performances
Product with high and reliable performances



Horizontal operation allowed
Borehole pumps can be installed in horizontal position



Different impellers available
This product can be provide with different impeller materials for different applications



Bronze version for sanitary water available
Product available in bronze version for sanitary water application



Flexibility
Product suitable for different installations

Surface pumps			8	
Self priming				
	in AISI 304	JES - JE	14	
	in AISI 304	JESX - JEX	17	
	in cast iron	AGA - AGC	20	
Manual priming				
	in AISI 304/AISI 316	single impeller	CDX(L)	23
	in AISI 304		CD	26
	in AISI 304/AISI 316	twin impeller	2CDX(L)	29
	in AISI 304	with close impeller	DWC	32
	in cast iron		CMA - B - C - D	34
	in cast iron	twin impeller	CDA	39
	in cast iron	peripheral pumps	PRA - PRN	41
	in AISI 304	open impeller	DWO	43
	in cast iron	open impeller	CMR	45
	For swimming pool			
		SWS - SWT	47	
Single stage centrifugal pumps according EN 733			49	
in AISI 304				
	end suction	3M SERIES	52	
	with rigid coupling	3S SERIES	57	
	on base with flexible coupling	3P SERIES	61	
	bare shaft	3PF SERIES	65	
in AISI 316				
	end suction	3LM SERIES	67	
	with rigid coupling	3LS SERIES	72	
	on base with flexible coupling	3LP SERIES	78	
	bare shaft	3LPF SERIES	84	
in cast iron				
	end suction	3D - MD - MMD SERIES	86	
	with rigid coupling	3DS SERIES	94	
	on base with flexible coupling	3DP SERIES	98	
	only hydraulic	GS	102	
Multistage pumps			104	
Horizontal				
	in cast iron	COMPACT	106	
	in AISI 304	MATRIX	109	
Vertical				
	in cast iron	CVM	113	
	in cast iron	with variable-frequency drive	CVM with E-drive	116
	in AISI 304		MULTIGO	118
	in AISI 304/AISI 316/in cast iron		EVMS - EVMSL - EVMSG	121
	in AISI 304/AISI 316/in cast iron		EVM(G)(L)	141
	in cast iron	with variable-frequency drive	EVMSG with E-drive	146
Borehole pumps			148	
for 3" wells				
	sleeve in AISI 304	SB3	152	
for 4" wells				
	sleeve in AISI 304	WINNER 4N	154	
		4WN	164	
	completely in AISI 304	4BHS	177	
for open shallow wells (minimum 5")				
	sleeve in AISI 304	IDROGO	181	
for 6" wells				
	sleeve in AISI 304	SF6	184	
	in AISI 304/AISI 316	6BHE(L)	188	
for 8" wells				
	in AISI 304/AISI 316	8BHE(L)	206	
Motors and cables dimensioning				
		3"-4"-5"-6"-8" MOTORS	212	
		CABLES DIMENSIONING	222	

Submersible pumps			224
	For clear water		
	sleeve in AISI 304	OPTIMA	226
	completely in AISI 304	BEST ONE - BEST ONE VOX	228
	For wastewater		
	completely in AISI 304	RIGHT	233
		DW - DW VOX	235
	For sewage and wastewater		
	cast iron pumps	D SERIES	238
	submersible mixers	EBAMIX	275
	AISI 304/316(L) pumps	DUMPER (L)	276
	Wastewater collection tanks		
	tanks	D-TANK	286
	lift station	BEST BOX	288
Circulators and in-line pumps			290
	Circulators		
	threaded	electronics	Ego
	threaded/flanged	electronics	Ego easy
	flanged	electronics	Ego slim
			Ego C
			Ego B
	in bronze	electronics	MR B
	In-line		
	in AISI 304	LPS	309
	in cast iron	LPC - LPCD	312
	in cast iron	with variable-frequency drive	LPC - LPCD with E-drive
Booster sets and Fire-Fighting units			333
	GP domestic booster sets with control panel		
	single phase	with one pump	1GP
		with two pumps	2GP Domestic
	with three pumps	3GP Domestic	
	GPE domestic booster sets with inverter control unit		
	single phase	with one pump	1GPE E-power
		with two pumps	2GPE with E-drive - single phase
		with two pumps	2GPE E-power - single phase
	three phase	with two pumps	2GPE with E-drive - three phase
		with three pumps	2GPE Hydrocontroller - three phase
	Industrial booster sets		
			3GPE with E-drive
	2GP, 2GPE, 3GP, 3GPE Industrial		358
	Fire-fighting units		
			FFS - FFB
Control systems, control panels and accessories			360
	Control systems		
	control units for pumps with inverter technology	E-drive	362
	variable speed control system	E-power	364
	variable speed control system	Hydrocontroller	365
	pressure regulator for one pump	Presscomfort	366
	Control panels		
	electric	Q SERIES	366
	electronic	1EP-E / 2EP-E SERIES	367
	electromechanical	QM1-QT1 / QM2-QT2 SERIES	369
		QS1-QS2 SERIES	371
	electronic	QA/50B - QA/60C - QMD20 SERIES	373
	with microprocessor	SMART SERIES	375
	electronic emergency center	ANTI-FLOODING KIT	376
	with inverter technology	SP SERIES	377
		Accessories	
			VARIOUS ACCESSORIES

Surface pumps

Range selection

Model	Pump body	Impeller			Motor
		material	type	no. of impellers	
JE	AISI 304	SS	Closed	1	with internal ventilation
JES	AISI 304	PPE + PS	Closed	1	with internal ventilation
JEX	AISI 304	SS	Closed	1	with fin
JESX	AISI 304	PPE + PS	Closed	1	with fin
AGA - AGC	Cast iron	PPE + PS/B ¹	Closed	1	with fin
CD	AISI 304	SS	Closed	1	with internal ventilation
CDX(L)	AISI 304	SS	Closed	1	with fin
2CDX(L)	AISI 304	SS	Closed	2	with fin
DWO	AISI 304	SS	Open	1	with fin
DWC	AISI 304	SS	Closed	1	with fin
CMA - B - C - D	Cast iron	PPE + PS/B/CI ²	Closed	1	with fin
CMR	Cast iron	PPE + PS/B ³	Open	1	with fin
CDA	Cast iron	PPE + PS/B ⁴	Closed	2	with fin
PRA - PRN	Cast iron	B	Closed	1	with fin
SWS - SWT	PPE	N	Open	1	with fin

PPE+PS= Technopolymer reinforced with fibreglass - SS= Stainless steel - B= Brass - CI= Cast iron - N= Noryl

¹ PPE+PS reinforced with fibreglass only for AGA 0.60 - 0.75 - 1.00

² PPE+PS reinforced with fibreglass for CMA 0.50 - 0.75 - 1.00, brass for CMA 1.50 - 2.00 - 3.00 - CMB 2.00 - 3.00 - 4.00 - 5.50, cast iron for CMB 0.75 - 1.00 - 1.50 - CMC - CMD

³ brass only for CMR 0.75 - 1.00

⁴ PPE+PS reinforced with fibreglass only for CDA 0.75 - 1.00

Surface pumps

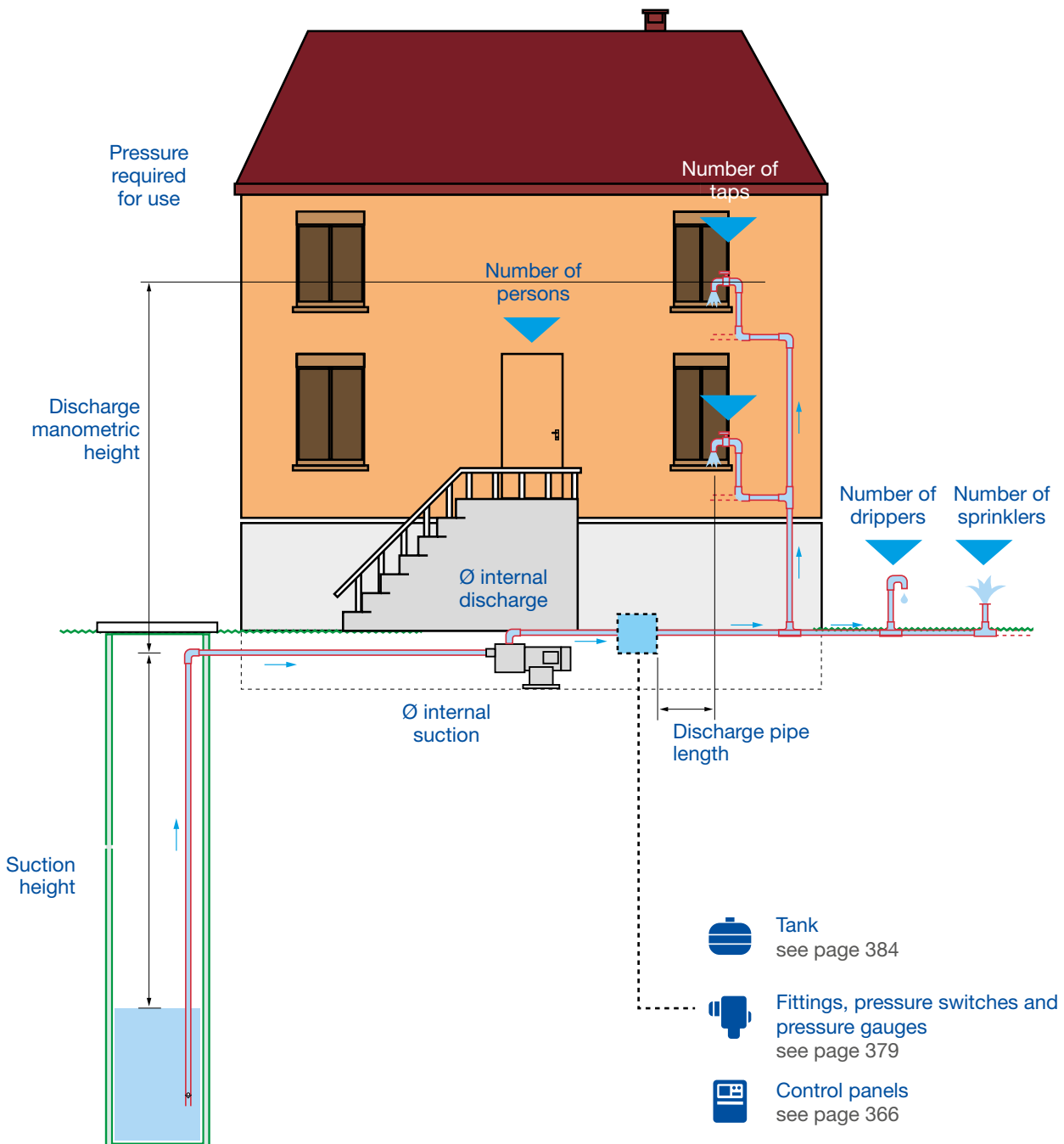
Introduction to the use of surface pumps

Self priming pump

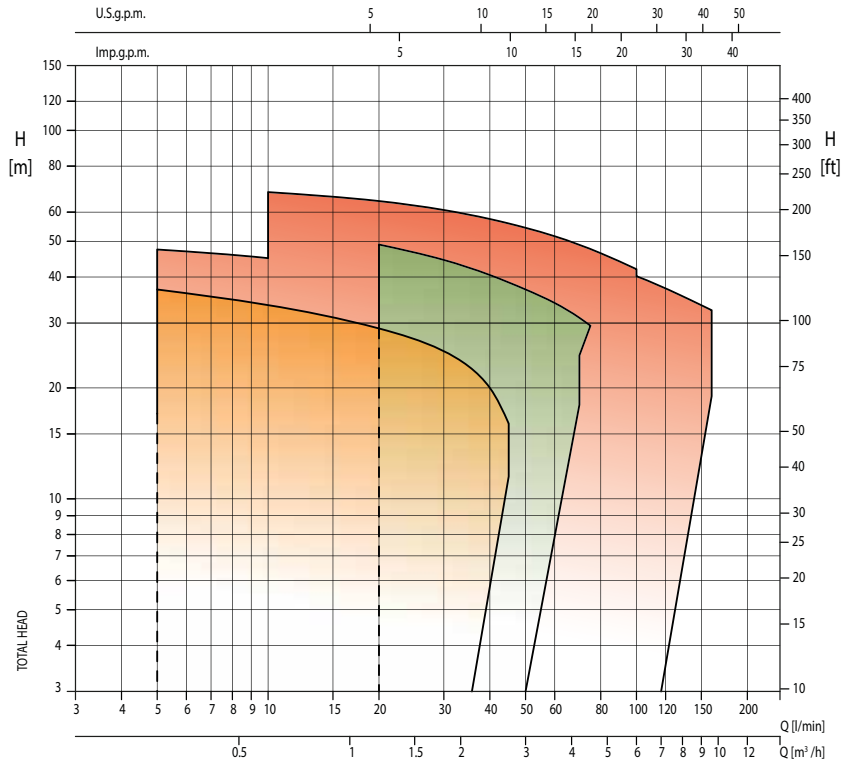
Complete with Venturi system (JE – JES, AGA, AGC series), the pumps could be primed automatically up to 8 m deep.

Centrifugal pump

Centrifugal pumps needs, to aspire the liquid, to be primed. It means, that the pipe and pump body are already full of liquid before start. For this reason, it is suggested to use some accurate precautions (as, for example, a non return valve); flexible pipes are avoid to prevent any leakage on the pipeline.

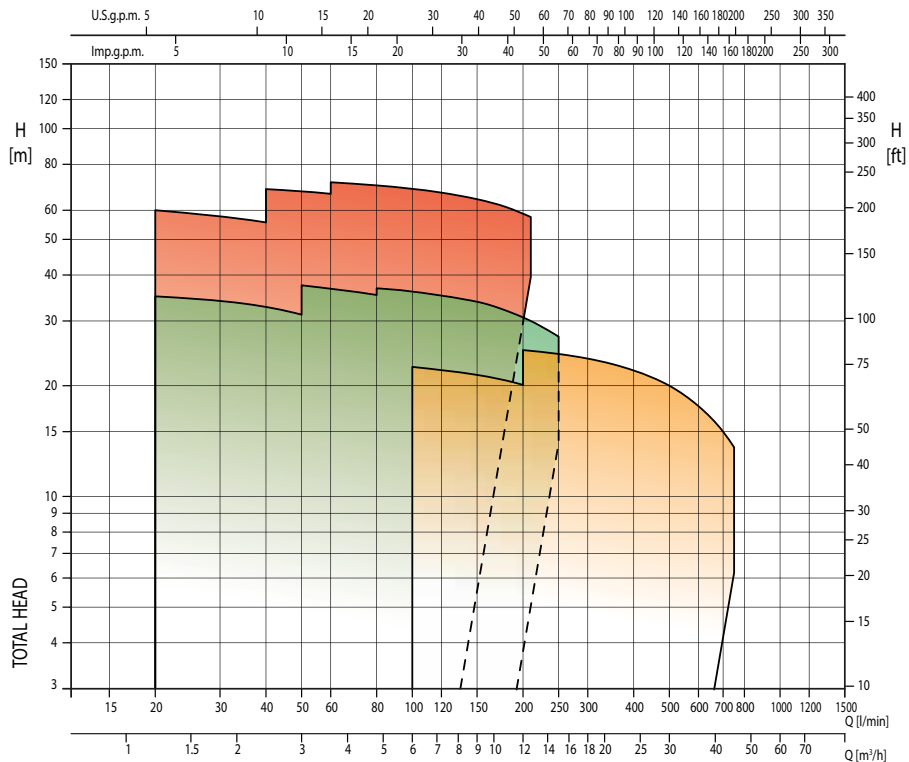


JET PUMPS



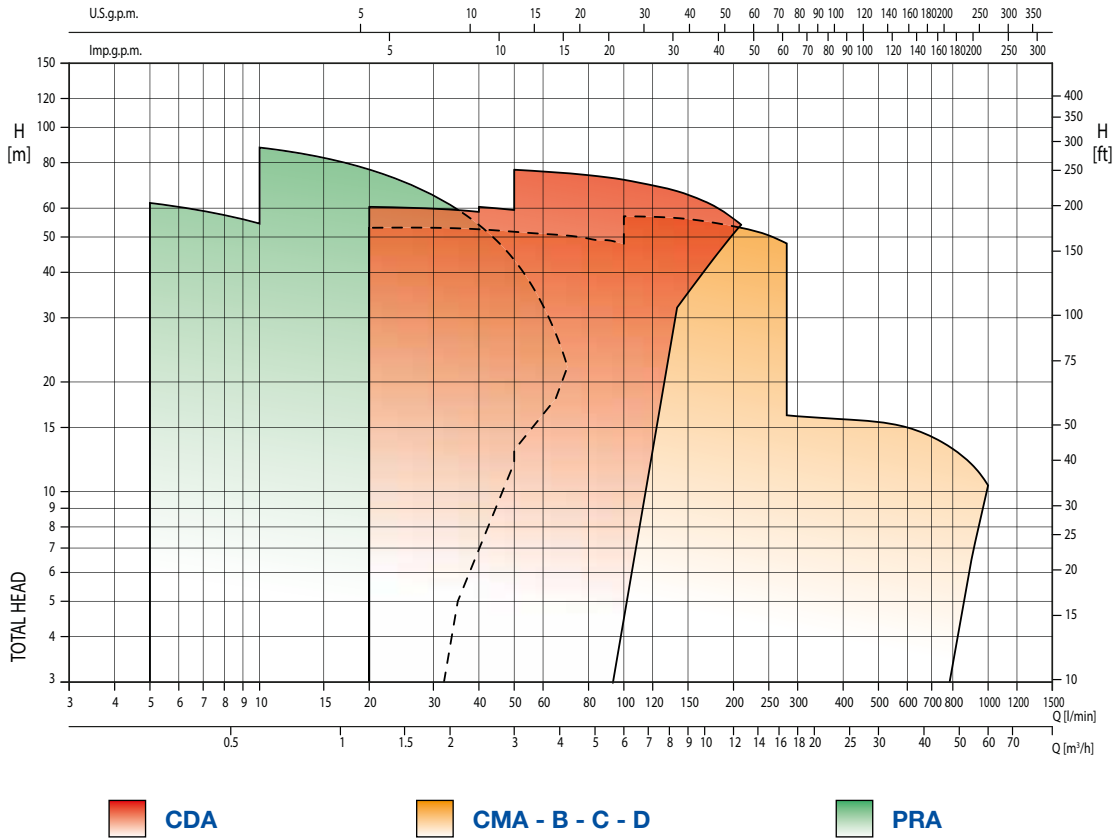
- AGA - AGC**
- JES - JESX**
- JE - JEX**

STANDARD PUMPS (STAINLESS STEEL)

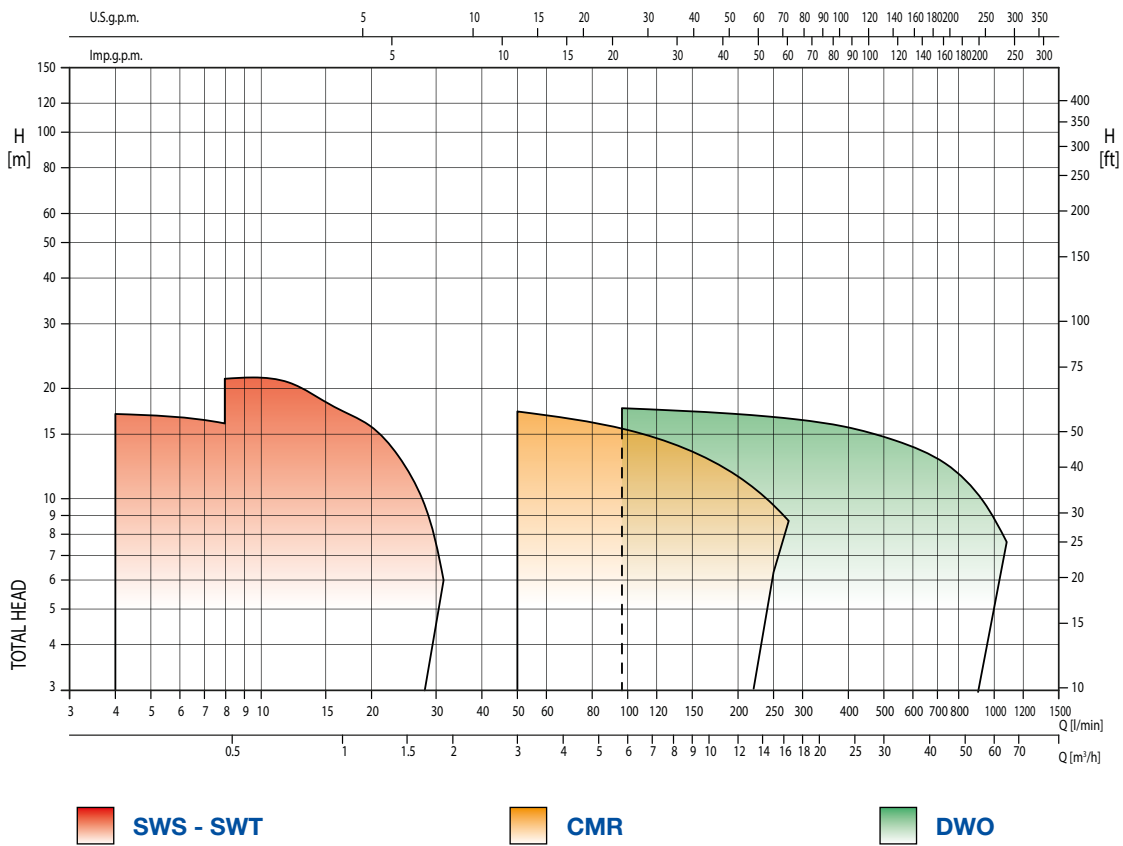


- 2CDX(L)**
- DWC**
- CD - CDX(L)**

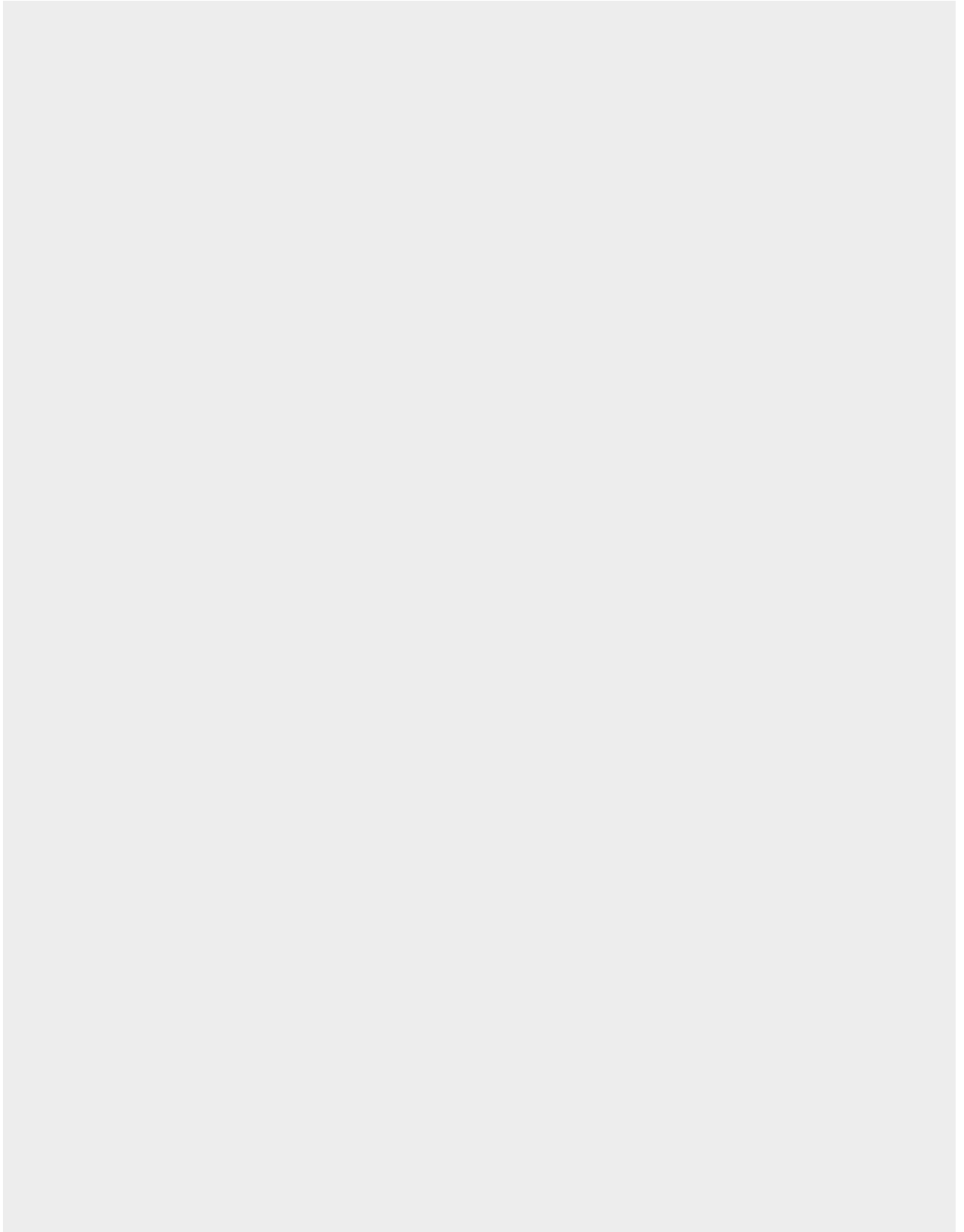
STANDARD PUMPS (CAST IRON)



SPECIAL PUMPS



Notes



**JES - JE****14**

Self priming "JET" pumps in AISI 304

**JESX - JEX****17**

Self priming "JET" pumps in AISI 304

**AGA - AGC****20**

Self priming "JET" pumps in cast iron

**CDX(L)****23**

Single impeller centrifugal pumps with hydraulic made in AISI 304 and AISI 316

**CD****26**

Single impeller centrifugal pumps completely made in AISI 304

**2CDX(L)****29**

Twin impeller centrifugal pumps with hydraulic made in AISI 304 and AISI 316

**DWC****32**

Closed impeller centrifugal pumps in AISI 304

**CMA - B - C - D****34**

Single impeller centrifugal pumps in cast iron

**CDA****39**

Closed twin impeller centrifugal pumps in cast iron

**PRA - PRN****41**

Peripheral impeller centrifugal pumps in cast iron

**DWO****43**

Open impeller centrifugal pumps in AISI 304

**CMR****45**

Open impeller centrifugal pumps in cast iron

**SWS - SWT****47**

Self priming pumps for swimming pool

JES - JE



Self priming "JET" pumps in AISI 304 stainless steel

Self priming "JET" pumps in AISI 304 stainless steel particularly suitable for drinking water supplying, domestic pressure boosting, small-scale garden irrigation, tanks and swimming pool emptying and clean water pumping in general.



Practical
and easy
to use



Lightweight
and easily
transportable

Materials

Pump body	AISI 304 stainless steel
Impeller	AISI 304 stainless steel for JE PPO reinforced with fibreglass for JES
Shaft	AISI 303 stainless steel (part in contact with the liquid)
Mechanical seal	Ceramic/Carbon/NBR (standard)
Motor support	AISI 304 stainless steel

Technical data

Max. working pressure	6 bar
Max. temperature of the liquid	45°C
Max. suction depth	8 m
Poles	2
Insulation class	F
Protection degree	IP44 (IP55 on request)
Voltage	Single phase 230V ±10% Three phase 230/400V ±10%

Accessories



Tanks

Page 384 - **8/10 bar 5/10 litres tanks**



Floats

Page 379 - **Key floats with counterweight**



Pressure switches

Page 379 - **1,3÷12 bar pressure switches**



Control panels and Control systems

Page 366 - **Presscomfort**

Pressure regulator

Page 364 - **E-power**

Variable speed control systems

Page 362 - **E-drive**

Variable speed control systems

Page 367 - **Control panels**

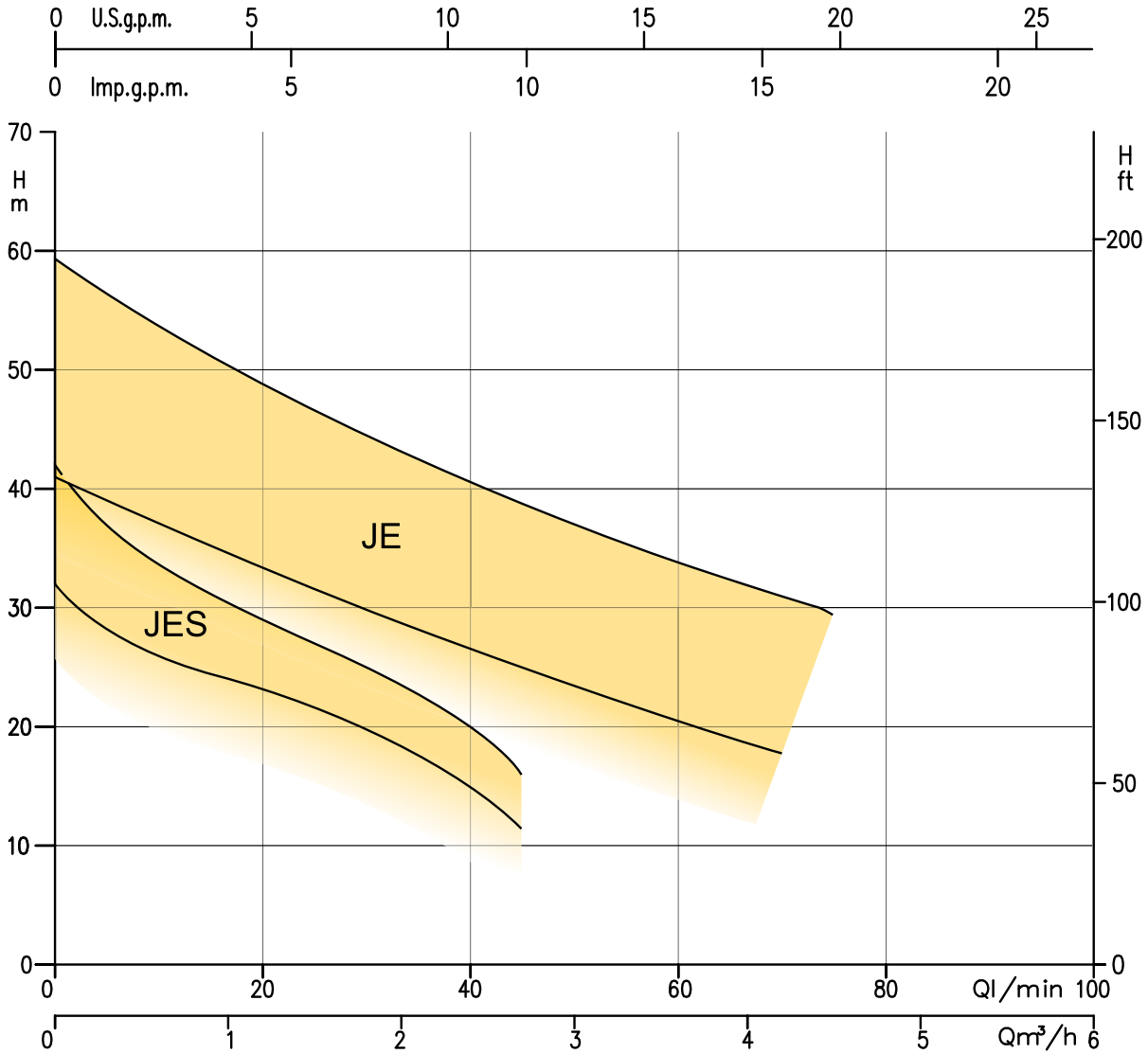
1EP-E - QA50/B - QA60/C - SMART

JES - JE

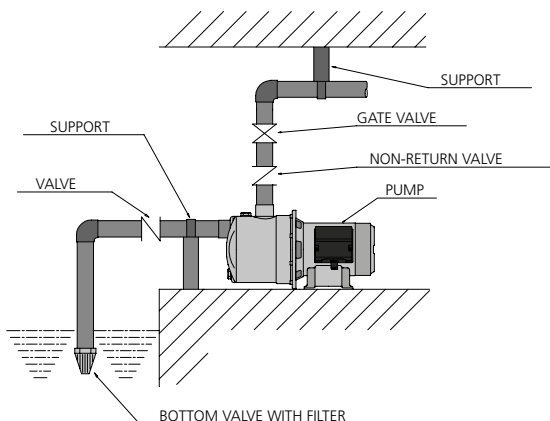
Self priming "JET" pumps in AISI 304 stainless steel



JES - JE



Installation



JES - JE self priming pumps are practical and easy to use, and allow a simple installation thanks to their reduced weight. Installed and well fixed in a flat surface can provide an aspiration up to 8 m. A bottom valve plus filter allow a reliable work. Versatility and reduced dimension also ensure a fast and basic maintenance.

JES - JE

Self priming "JET" pumps in AISI 304 stainless steel



Single phase 230V											2 Poles			
Model	Code	HP	kW	Q=Flow rate						Abs. Curr. [A] 230V	DNA	DNM	Weight [kg]	
				l/min m ³ /h	5 0,3	20 1,2	40 2,4	50 3	60 3,6					70 4,2
				H=Total head [m]										
JESM 5*	1700050000	0,5	0,37		28,0	23,0	15,0	-	-	-	2,1	G1	G1	5,6
JESM 6*	1700060000	0,6	0,44		31,5	26,0	17,0	-	-	-	2,4	G1	G1	5,8
JESM 8*	1700080000	0,8	0,6		37,0	29,0	20,0	-	-	-	3	G1	G1	6,0
JEM 80	1650040000	0,8	0,6		-	33,0	26,5	23,5	20,5	18,0	4,7	G1	G1	10,5
JEM 100	1650050000	1	0,75		-	37,0	30,0	27,0	24,0	21,0	6,4	G1	G1	12,0
JEM 120	1650060000	1,2	0,88		-	41,0	34,0	30,5	27,5	24,5	6,7	G1	G1	12,5
JEM/A 150	1650070000A	1,5	1,1		-	49,0	40,5	37,0	34,0	31,0	7,6	G1	G1	14,1

* Impeller in PPO reinforced with fibreglass

Three phase 230/400V											2 Poles				
Model	Code	HP	kW	Q=Flow rate						Abs. Curr. [A]		DNA	DNM	Weight [kg]	
				l/min m ³ /h	5 0,3	20 1,2	40 2,4	50 3	60 3,6	70 4,2	230V				400V
				H=Total head [m]											
JES 5*	1700050004	0,5	0,37		28,0	23,0	15,0	-	-	-	1,5	0,85	G1	G1	5,6
JES 6*	1700060004	0,6	0,44		31,5	26,0	17,0	-	-	-	1,9	1,1	G1	G1	5,8
JES 8*	1700080004	0,8	0,6		37,0	29,0	20,0	-	-	-	2,25	1,3	G1	G1	6,0
JE 80	1650040004	0,8	0,6		-	33,0	26,5	23,5	20,5	18,0	3,3	1,9	G1	G1	10,5
JE/I 100	1650050004I	1	0,75		-	37,0	30,0	27,0	24,0	21,0	3,6	2,1	G1	G1	12,0
JE/I 120	1650060004I	1,2	0,88		-	41,0	34,0	30,5	27,5	24,5	3,6	2,1	G1	G1	12,5
JE/I 150	1650070004I	1,5	1,10		-	49,0	40,5	37,0	34,0	31,0	5,8	3,3	G1	G1	17,3

* Impeller in PPO reinforced with fibreglass

JESX - JEX



Self priming "JET" pumps in AISI 304 stainless steel

Self priming "JET" pumps in AISI 304 stainless steel particularly suitable for drinking water supplying, domestic pressure boosting, small-scale garden irrigation, tanks and swimming pool emptying and clean water pumping in general.



Practical and easy to use



Lightweight and easily transportable

Materials

Pump body	AISI 304 stainless steel
Impeller	AISI 304 stainless steel for JEX PPE+PS reinforced with fibreglass for JESX
Shaft	AISI 303 stainless steel (part in contact with the liquid)
Mechanical seal	Ceramic/Carbon/NBR (standard)
Motor support	Aluminium

Technical data

Max. working pressure	6 bar
Max. temperature of the liquid	45°C
Max. suction depth	8 m
Poles	2
Insulation class	F
Protection degree	IP54 (IP55 on request)
Voltage	Single phase 230V ±10% Three phase 230/400V ±10%

Accessories



Tanks

Page 384 - 8/10 bar 5/10 litres tanks



Floats

Page 379 - Key floats with counterweight



Pressure switches

Page 379 - 1,3÷12 bar pressure switches



Control panels and Control systems

Page 366 - **Presscomfort**

Pressure regulator

Page 364 - **E-power**

Variable speed control systems

Page 362 - **E-drive**

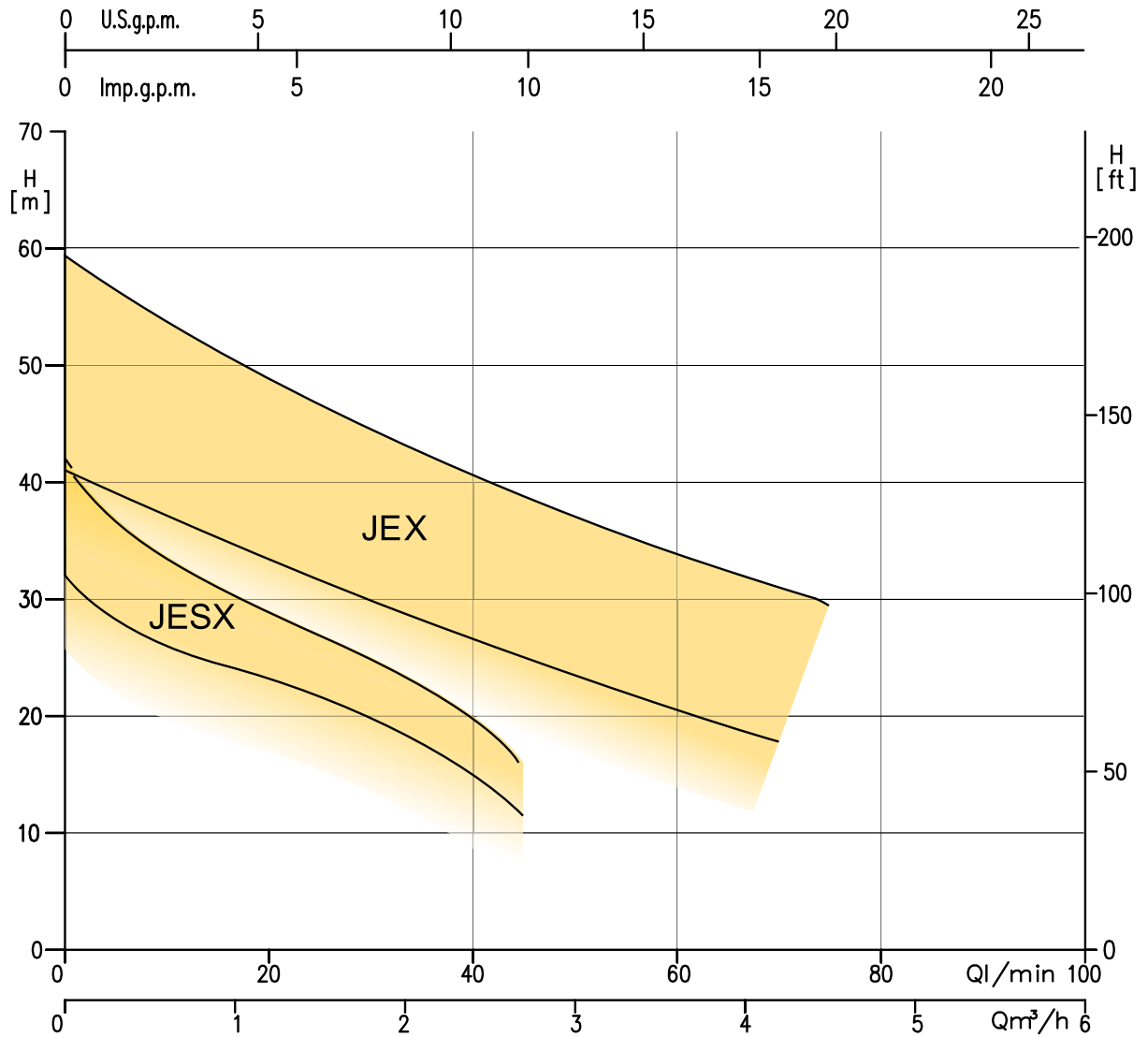
Variable speed control systems

Page 367 - **Control panels**

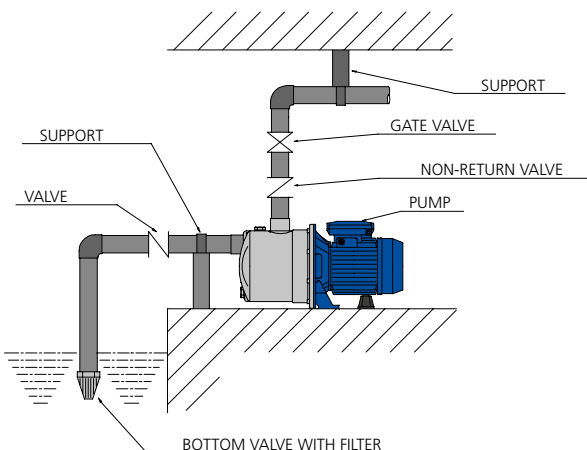
1EP-E - QA50/B - QA60/C - SMART

JESX - JEX

Self priming "JET" pumps in AISI 304 stainless steel



Installation



JESX - JEX self priming pumps are practical and easy to use, and allow a simple installation thanks to their reduced weight. Installed and well fixed in a flat surface can provide an aspiration up to 8m. A bottom valve plus filter allow a reliable work. Versatility and reduced dimension also ensure a fast and basic maintenance.

JESX - JEX

Self priming "JET" pumps in AISI 304 stainless steel



Single phase 230V												2 Poles				
Model	Code	HP	kW	Q=Flow rate								Abs. Curr. [A] 230V	DNA	DNM	Weight [kg]	
				l/min	5	20	40	50	60	70	75					
				m ³ /h	0,3	1,2	2,4	3	3,6	4,2	4,5					
H=Total head [m]																
JESXM 5*	1690050000	0,5	0,37		28,0	23,0	15,0	-	-	-	-	2,1	G1	G1	5,1	
JESXM 6*	1690060000	0,6	0,44		31,5	26,0	17,0	-	-	-	-	2,4	G1	G1	5,5	
JESXM 8*	1690080000	0,8	0,6		37,0	29,0	20,0	-	-	-	-	3	G1	G1	6,1	
JEXM/A 80	1665040000	0,8	0,6		-	33,0	26,5	23,5	20,5	18,0	-	4,7	G1¼	G1	10,2	
JEXM/A 100	1665050000	1	0,75		-	37,0	30,0	27,0	24,0	21,0	-	6,4	G1¼	G1	11,6	
JEXM/A 120	1665060000	1,2	0,88		-	41,0	34,0	30,5	27,5	24,5	-	6,7	G1¼	G1	11,6	
JEXM/B 150	1665070000B	1,5	1,1		-	49,0	40,5	37,0	34,0	31,0	29,5	7,6	G1¼	G1	14,3	

* Impeller in PPE+PS reinforced with fibreglass

Three phase 230/400V												2 Poles				
Model	Code	HP	kW	Q=Flow rate								Abs. Curr. [A]		DNA	DNM	Weight [kg]
				l/min	5	20	40	50	60	70	75	230V	400V			
				m ³ /h	0,3	1,2	2,4	3	3,6	4,2	4,5					
H=Total head [m]																
JESX 5*	1690050004	0,5	0,37		28,0	23,0	15,0	-	-	-	-	1,5	0,85	G1	G1	5,1
JESX 6*	1690060004	0,6	0,44		31,5	26,0	17,0	-	-	-	-	1,9	1,1	G1	G1	5,5
JESX 8*	1690080004	0,8	0,6		37,0	29,0	20,0	-	-	-	-	2,25	1,3	G1	G1	6,1
JEX 80	1665040004	0,8	0,6		-	33,0	26,5	23,5	20,5	18,0	-	3,3	1,9	G1¼	G1	10,2
JEX/I 100	1665050004I	1	0,75		-	37,0	30,0	27,0	24,0	21,0	-	3,6	2,1	G1¼	G1	11,6
JEX/I 120	1665060004I	1,2	0,88		-	41,0	34,0	30,5	27,5	24,5	-	3,6	2,1	G1¼	G1	11,6
JEX/I 150	1665070004I	1,5	1,1		-	49,0	40,5	37,0	34,0	31,0	29,5	5,8	3,3	G1¼	G1	16,2

* Impeller in PPE+PS reinforced with fibreglass

AGA - AGC

Self priming "JET" pumps in cast iron

Self priming "JET" pumps in cast iron suitable for domestic pressure boosting, small-scale garden irrigation, car washing and clean water pumping in general.



Practical and easy to use



Lightweight and easily transportable



Available with brass impeller

Materials

Pump body	Cast iron
Impeller	PPE+PS reinforced with fibreglass for AGA 0.60-0.75-1.00, brass for the rest of the range
Shaft	AISI 303 stainless steel (part in contact with the liquid)
Mechanical seal	Ceramic/Carbon/NBR (standard)
Motor support	Aluminium for AGA 0.60-0.75-1.00, Cast iron for the rest of the range

Technical data

Max. working pressure 6 bar for AGA 0.60-0.75-1.00
10 bar for the rest of the range

Max. temperature of the liquid 45°C

Max. suction depth 8 m

Poles 2

Insulation class F

Protection degree IP44

Voltage Single phase 230V ±10%
Three phase 230/400V ±10%

Accessories



Tanks

Page 384 - **8/10 bar 5/10 litres tanks**



Floats

Page 379 - **Key floats with counterweight**



Pressure switches

Page 379 - **1,3÷12 bar pressure switches**



Control panels and Control systems

Page 366 - **Presscomfort**

Pressure regulator

Page 364 - **E-power**

Variable speed control systems

Page 362 - **E-drive**

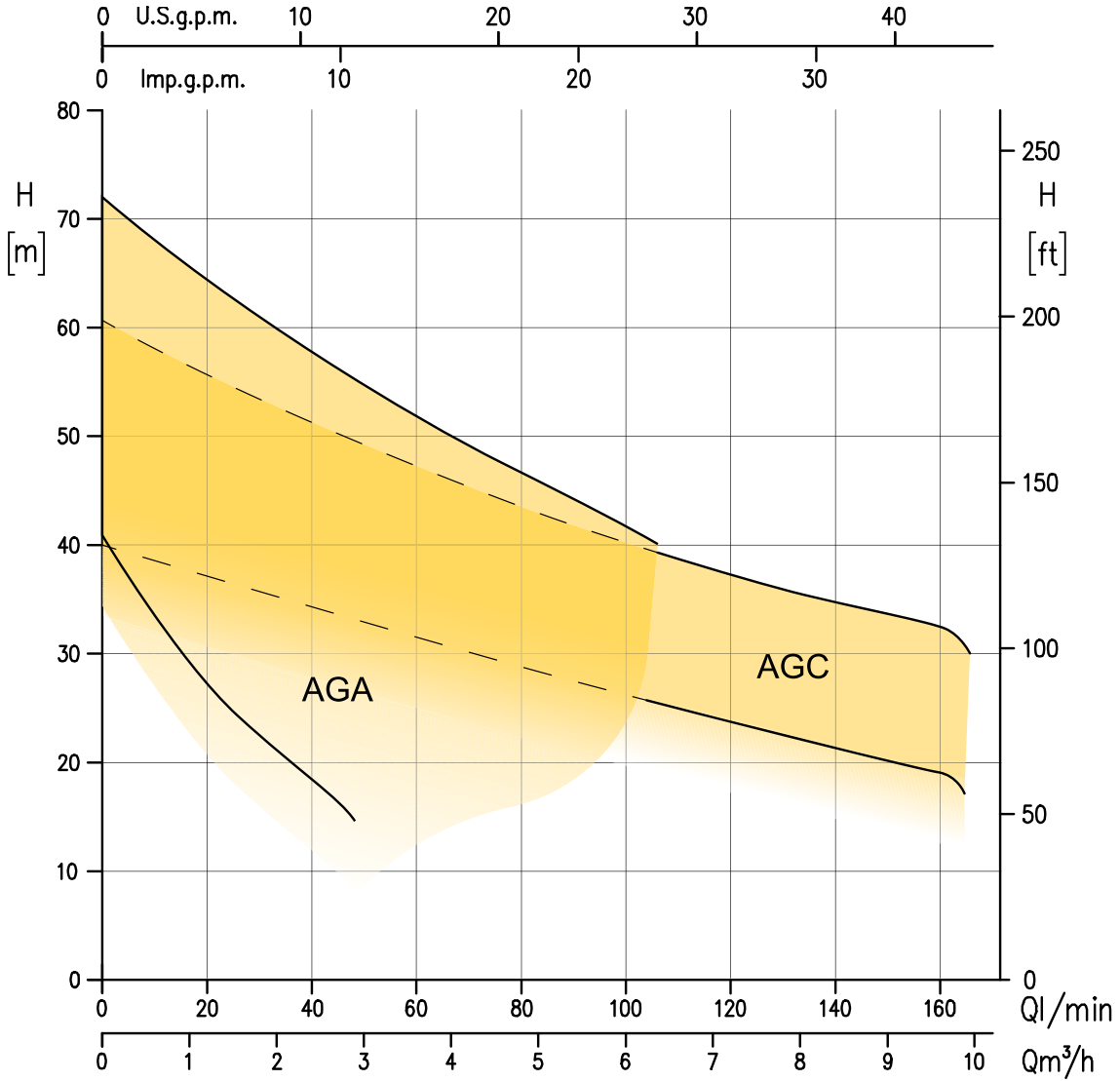
Variable speed control systems

Page 367 - **Control panels**

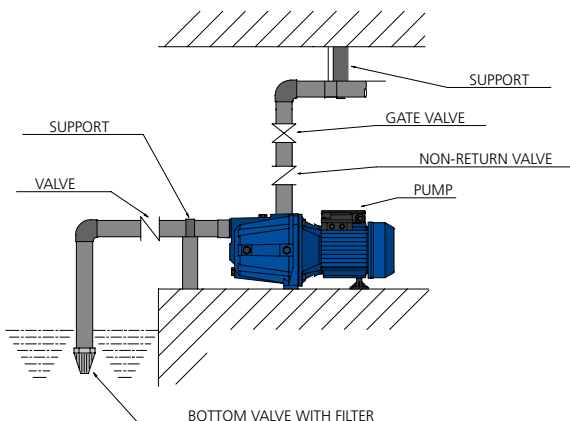
1EP-E - QA50/B - QA60/C - SMART

AGA - AGC

Self priming "JET" pumps in cast iron



Installation



AGA - AGC self priming pumps are practical and easy to use, and allow a simple installation thanks to their reduced weight. Installed and well fixed in a flat surface can provide an aspiration up to 8 m. A bottom valve plus filter allow a reliable work. Versatility and reduced dimension also ensure a fast and basic maintenance.

AGA - AGC

Self priming "JET" pumps in cast iron



Single phase 230V													2 Poles			
Model	Code	HP	kW	Q=Flow rate									Abs. Curr. [A] 230V	DNA	DNM	Weight [kg]
				l/min	10	20	30	50	80	100	130	160				
				m ³ /h	0,6	1,2	1,8	3	4,8	6	7,8	9,6				
H=Total head [m]																
AGA/A 0.60 M	1100060000A	0,6	0,44		33,4	27,1	22	-	-	-	-	-	3,1	G1	G1	12,0
AGA/A 0.60 M GO	1100060100A	0,6	0,44		33,4	27,1	22	-	-	-	-	-	3,1	G1	G1	12,0
AGA 0.75 M	1100090000	0,75	0,55		42,8	37,9	32	18	-	-	-	-	4	G1	G1	12,5
AGA 0.75 M GO	1100090100	0,75	0,55		42,8	37,9	32	18	-	-	-	-	4	G1	G1	12,5
AGA 1.00 M	1100100000	1	0,75		45	40,3	35,7	27	-	-	-	-	5,5	G1	G1	13,8
AGA 1.00 M GO	1100100100	1	0,75		45	40,3	35,7	27	-	-	-	-	5,5	G1	G1	13,8
AGA/B 1.50 M	1110150000B	1,5	1,1		48	45,1	42,4	37,4	30,8	27	-	-	8,1	G1½	G1	25,5
AGA/A 2.00 M	1110200000A	2	1,5		59	55,6	52,2	45,7	36,4	30,5	-	-	9,8	G1½	G1	26,6
AGC/B 1.50 M	1120150000B	1,5	1,1		38,5	45,1	35,6	32,7	28,7	26,1	22,4	19	8,6	G1½	G1	25,5
AGC/A 2.00 M	1120200000A	2	1,5		51	55,6	48,8	46,3	42	38,7	33,2	27	10,5	G1½	G1	26,6

GO= Version with brass impeller

Three phase 230/400V													2 Poles				
Model	Code	HP	kW	Q=Flow rate									Abs. Curr. [A]		DNA	DNM	Weight [kg]
				l/min	10	20	30	50	80	100	160	230V	400V				
				m ³ /h	0,6	1,2	1,8	3	4,8	6	9,6						
H=Total head [m]																	
AGA/A 0.60 T	1100060004A	0,6	0,44		33,4	27,1	22	-	-	-	-	-	2,1	1,2	G1	G1	12,0
AGA 0.75 T	1100090004	0,75	0,55		42,8	37,9	32	18	-	-	-	-	2,8	1,6	G1	G1	12,3
AGA/I 1.00 T	1100100004I	1	0,75		45	40,3	35,7	27	-	-	-	-	3,0	1,7	G1	G1	14,8
AGA/I 1.00 T GO	1100100104I	1	0,75		45	40,3	35,7	27	-	-	-	-	5,8	3,3	G1	G1	14,8
AGA/I 1.50 T	1110150004I	1,5	1,1		48	45,1	42,4	37,4	30,8	27	-	-	5,8	3,3	G1½	G1	26,5
AGA/I 2.00 T	1110200004I	2	1,5		59	55,6	52,2	45,7	36,4	30,5	-	-	6,2	3,6	G1½	G1	28,6
AGA/I 3.00 T	1110300004I	3	2,2		68	64,3	60,8	54,4	46,4	42	-	-	8,2	4,7	G1½	G1	29,9
AGC/I 1.50 T	1120150004I	1,5	1,1		38,5	37,0	35,6	32,7	28,7	26,1	19	-	5,8	3,3	G1½	G1	28,3
AGC/I 2.00 T	1120200004I	2	1,5		51	49,9	48,8	46,3	42	38,7	27	-	7,6	4,4	G1½	G1	29,5
AGC/I 3.00 T	1120300004I	3	2,2		58	55,6	53,3	49,1	43,4	40,2	32,5	-	8,2	4,7	G1½	G1	29,9

GO= Version with brass impeller

CDX(L)



Single impeller centrifugal pumps with hydraulic made in AISI 304 and AISI 316 stainless steel

Single impeller centrifugal pumps with AISI 304 or AISI 316 stainless steel hydraulic parts particularly suitable for domestic water boosting, small-scale garden watering, washing, water treatment, cooling towers and handling clean water in general.



Small dimensions



Sturdy hydraulic frame



Available in AISI 316 stainless steel

Accessories



Tanks

Page 384 - 8/10 bar 5/10 litres tanks



Floats

Page 379 - Key floats with counterweight



Pressure switches

Page 379 - 1,3÷12 bar pressure switches



Control panels and Control systems

Page 366 - **Presscomfort**

Pressure regulator

Page 364 - **E-power**

Variable speed control systems

Page 362 - **E-drive**

Variable speed control systems

Page 367 - **Control panels**

1EP-E - QA50/B - QA60/C - SMART



Insulation casing

Page 380 - Insulation casing for CDX(L)/2CDX(L)

Technical data

Max. working pressure	8 bar
Max. temperature of the liquid	-5°C ÷ +60°C for CDX 70/05 - 70/07 - 90/10 std and Q1AEGG, VAEGG, U3U3EGG, Q1U3EGG, U3CEGG -5°C ÷ +90°C for H, HS, HW, HSW versions -5°C ÷ +110°C for the rest of Q1AEGG, VAEGG, U3U3EGG, Q1U3EGG, U3CEGG models -5°C ÷ +120°C for the rest of Q1AEGG, VAEGG, U3U3EGG, Q1U3EGG, U3CEGG models
MEI	> 0,4
Poles	2
Insulation class	F
Protection degree	IP55
Voltage	Single phase 230V ±10% Three phase 230/400V ±10%

Materials

Pump body	AISI 304 stainless steel (CDX) AISI 316 stainless steel (CDXL)
Impeller	AISI 304 stainless steel (CDX) AISI 316 stainless steel (CDXL)
Shaft	AISI 303 stainless steel (CDX) AISI 316 stainless steel (CDXL)
Mechanical seal	Ceramic/Carbon/NBR (standard)
Motor support	Aluminium

Options



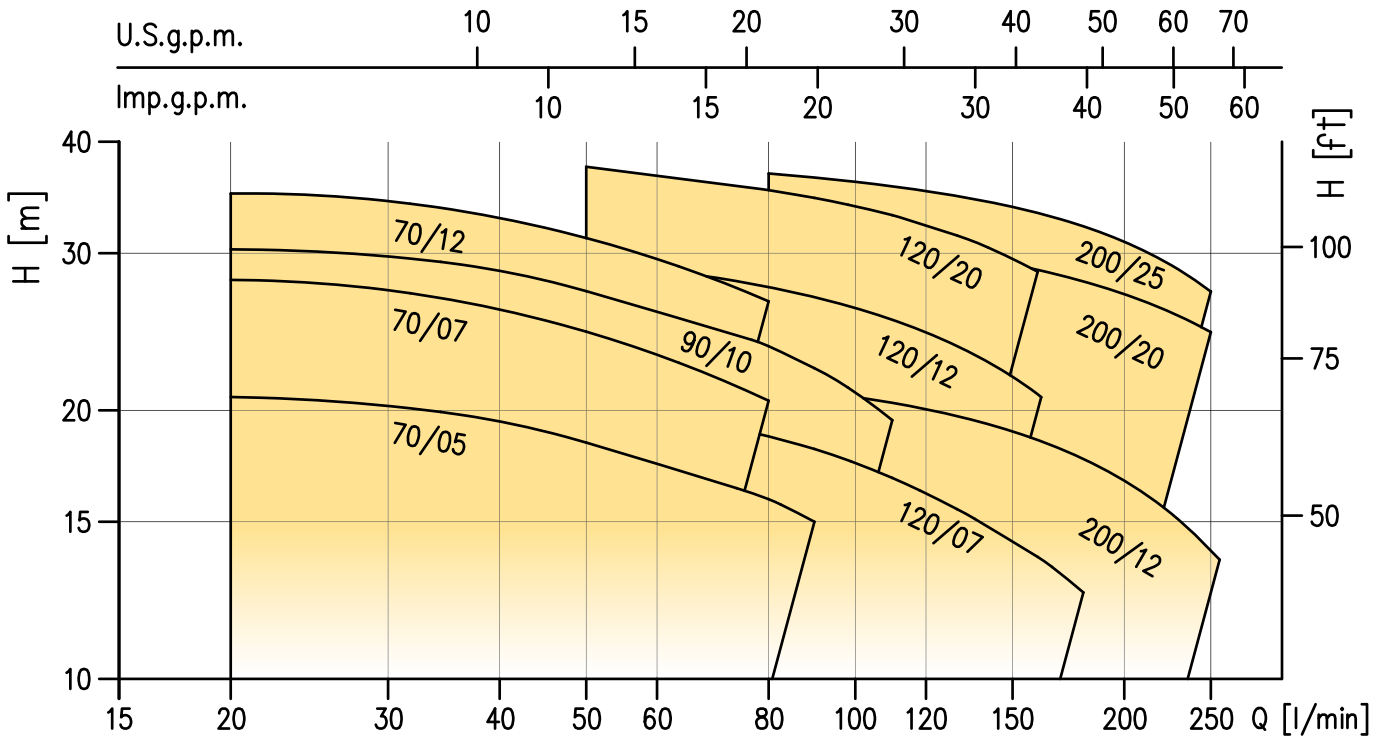
Mechanical seal

Page 391 - H, HS, HW, HSW, E, Q1AEGG, VAEGG, U3U3EGG, Q1U3EGG, U3CEGG

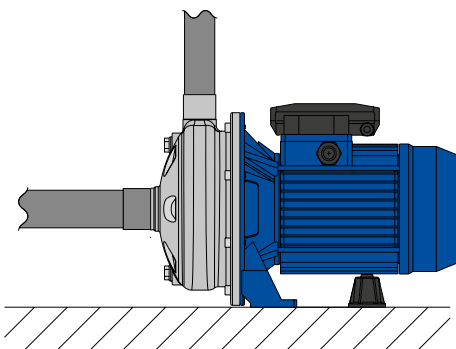
CDX(L)



Single impeller centrifugal pumps with hydraulic made in AISI 304 and AISI 316 stainless steel



Installation



CDX(L) centrifugal pumps, thanks to their reduced dimensions, result easy to install also in that situations where space are small or difficult to reach. Its sturdy and reliable construction, combine with a stainless steel body, provide high performance in the critical applications, as a water distribution.

Insulation casing



Thermal insulation is available as accessory. Ready to be used for chiller application, please see page 380

CDX(L)

Single impeller centrifugal pumps with hydraulic made in AISI 304 and AISI 316 stainless steel



Version in AISI 304 - Single phase 230V												2 Poles			
Model	Code	HP	kW	Q=Flow rate								Abs. Curr. [A] 230V	DNA	DNM	Weight [kg]
				l/min	20	50	90	130	160	210	250				
				m ³ /h	1,2	3	5,4	7,8	9,6	12,6	15				
H=Total head [m]															
CDXM/A 70/05	1615050000	0,5	0,37		20,7	18,4	15,0	-	-	-	-	3,4	G1¼	G1	8,3
CDXM/A 70/07	1615090000	0,75	0,55		28,0	24,5	-	-	-	-	-	5,0	G1¼	G1	9,8
CDXM/A 90/10	1615100500	1	0,75		30,3	27,2	22,3	-	-	-	-	5,6	G1¼	G1	11,0
CDXM/A 120/07	1625090000	0,75	0,55		-	20,5	18,1	15,5	13,7	-	-	4,6	G1¼	G1	9,6
CDXM/G 120/12	1625100000G	1,2	0,9		-	29,3	26,8	23,6	21,0	-	-	6,9	G1¼	G1	11,8
CDXM/B 120/20	1625200000B	2	1,5		-	37,5	34,6	31,4	28,6	-	-	9,3	G1¼	G1	16,5
CDXM/G 200/12	1635100000G	1,2	0,9		-	-	21,0	19,7	18,5	16,0	14,0	6,3	G1½	G1	11,4
CDXM/G 200/20	1635200000G	2	1,5		-	-	31,2	30,0	28,7	26,5	24,5	10,2	G1½	G1	15,3

Max. temperature of the liquid: 60° for CDX 70/05, 70/07, 90/10, 90° for the rest of the standard range.

"SCA" version with drain plug available with a 5% increase on the price list.

Version in AISI 304 - Three phase 230/400V												2 Poles				
Model	Code	HP	kW	Q=Flow rate								Abs. Curr. [A]		DNA	DNM	Weight [kg]
				l/min	20	50	90	130	160	210	250	230V	400V			
				m ³ /h	1,2	3	5,4	7,8	9,6	12,6	15					
H=Total head [m]																
CDX/A 70/05	1615050004	0,5	0,37		20,7	18,4	15,0	-	-	-	-	2,4	1,4	G1¼	G1	8,3
CDX/A 70/07	1615090004	0,75	0,55		28,0	24,5	-	-	-	-	-	3,5	2,0	G1¼	G1	9,7
CDX/I 90/10	1615100504I	1	0,75		30,3	27,2	22,3	-	-	-	-	3,3	1,9	G1¼	G1	11,0
CDX/A 120/07	1625090004	0,75	0,55		-	20,5	18,1	15,5	13,7	-	-	3,2	1,85	G1¼	G1	9,5
CDX/I 120/12	1625100004I	1,2	0,9		-	29,3	26,8	23,6	21,0	-	-	4,3	2,5	G1¼	G1	12,4
CDX/I 120/20	1625200004I	2	1,5		-	37,5	34,6	31,4	28,6	-	-	7,1	4,1	G1¼	G1	18,1
CDX/I 200/12	1635100004I	1,2	0,9		-	-	21,0	19,7	18,5	16,0	14,0	4,3	2,5	G1½	G1	12,2
CDX/I 200/20	1635200004I	2	1,5		-	-	31,2	30,0	28,7	26,5	24,5	7,1	4,1	G1½	G1	17,0
CDX/I 200/25	1635250004I	2,5	1,85		-	-	26,5	34,7	33,3	30,0	27,2	8,2	4,7	G1½	G1	16,8

Max. temperature of the liquid: 60° for CDX 70/05, 70/07, 90/10, 90° for the rest of the standard range.

"SCA" version with drain plug available with a 5% increase on the price list.

L version in AISI 316 - Three phase 230/400V												2 Poles				
Model	Code	HP	kW	Q=Flow rate								Abs. Curr. [A]		DNA	DNM	Weight [kg]
				l/min	20	50	90	130	160	210	250	230V	400V			
				m ³ /h	1,2	3	5,4	7,8	9,6	12,6	15					
H=Total head [m]																
CDXL/A 70/05	1615058004	0,5	0,37		20,7	18,4	15,0	-	-	-	-	2,4	1,4	G1¼	G1	8,3
CDXL/A 70/07	1615098004	0,75	0,55		28,0	24,5	-	-	-	-	-	3,5	2	G1¼	G1	9,7
CDXL/I 90/10	1615108004I	1	0,75		30,3	27,2	22,3	-	-	-	-	3,3	1,9	G1¼	G1	11,0
CDXL/A 120/07	1625098004	0,75	0,55		-	20,5	18,1	15,5	13,7	-	-	3,2	1,85	G1¼	G1	9,5
CDXL/I 120/12	1625108004I	1,2	0,9		-	29,3	26,8	23,6	21,0	-	-	4,3	2,5	G1¼	G1	12,4
CDXL/I 120/20	1625208004I	2	1,5		-	37,5	34,6	31,4	28,6	-	-	7,1	4,1	G1¼	G1	18,1
CDXL/I 200/12	1635108004I	1,2	0,9		-	-	21,0	19,7	18,5	16,0	14,0	4,3	2,5	G1½	G1	12,2
CDXL/I 200/20	1635208004I	2	1,5		-	-	31,2	30,0	28,7	26,5	24,5	7,1	4,1	G1½	G1	17,0
CDXL/I 200/25	1635258004I	2,5	1,85		-	-	26,5	34,7	33,3	30,0	27,2	8,2	4,7	G1½	G1	16,8

Max. temperature of the liquid: 60° for CDXL 70/05, 70/07, 90/10, 90° for the rest of the standard range.

"SCA" version with drain plug available with a 5% increase on the price list.

AISI 316 single phase version available: please contact our sales network.

CD



Single impeller centrifugal pumps completely made in AISI 304 stainless steel

Single impeller centrifugal pumps with AISI 304 stainless steel hydraulic parts particularly suitable for domestic water boosting, small-scale garden watering, washing, water treatment, cooling towers and handling clean water in general.



Technical data

Max. working pressure	8 bar
Max. temperature of the liquid	-5°C ÷ +60°C for CD 70/05-70/07-90/10 std and E versions -5°C ÷ +90°C -5°C ÷ +110°C for H, HS, HW, HSW versions -5°C ÷ +120°C for the rest of E version
MEI	> 0,4
Poles	2
Insulation class	F
Protection degree	IP55
Voltage	Single phase 230V ±10% Three phase 230/400V ±10%

Materials

Pump body	AISI 304 stainless steel
Impeller	AISI 304 stainless steel
Shaft	AISI 303 stainless steel
Mechanical seal	Ceramic/Carbon/NBR (standard)
Motor support	AISI 304 stainless steel

Options



Mechanical seal

Page 391 - H, HS, HW, HSW, E, Q1AEGG, VAEGG, U3U3EGG, Q1U3EGG, U3CEGG

Accessories



Tanks

Page 384 - 8/10 bar 5/10 litres tanks



Floats

Page 379 - Key floats with counterweight



Pressure switches

Page 379 - 1,3÷12 bar pressure switches



Control panels and Control systems

Page 366 - **Presscomfort**

Pressure regulator

Page 364 - **E-power**

Variable speed control systems

Page 362 - **E-drive**

Variable speed control systems

Page 367 - **Control panels**

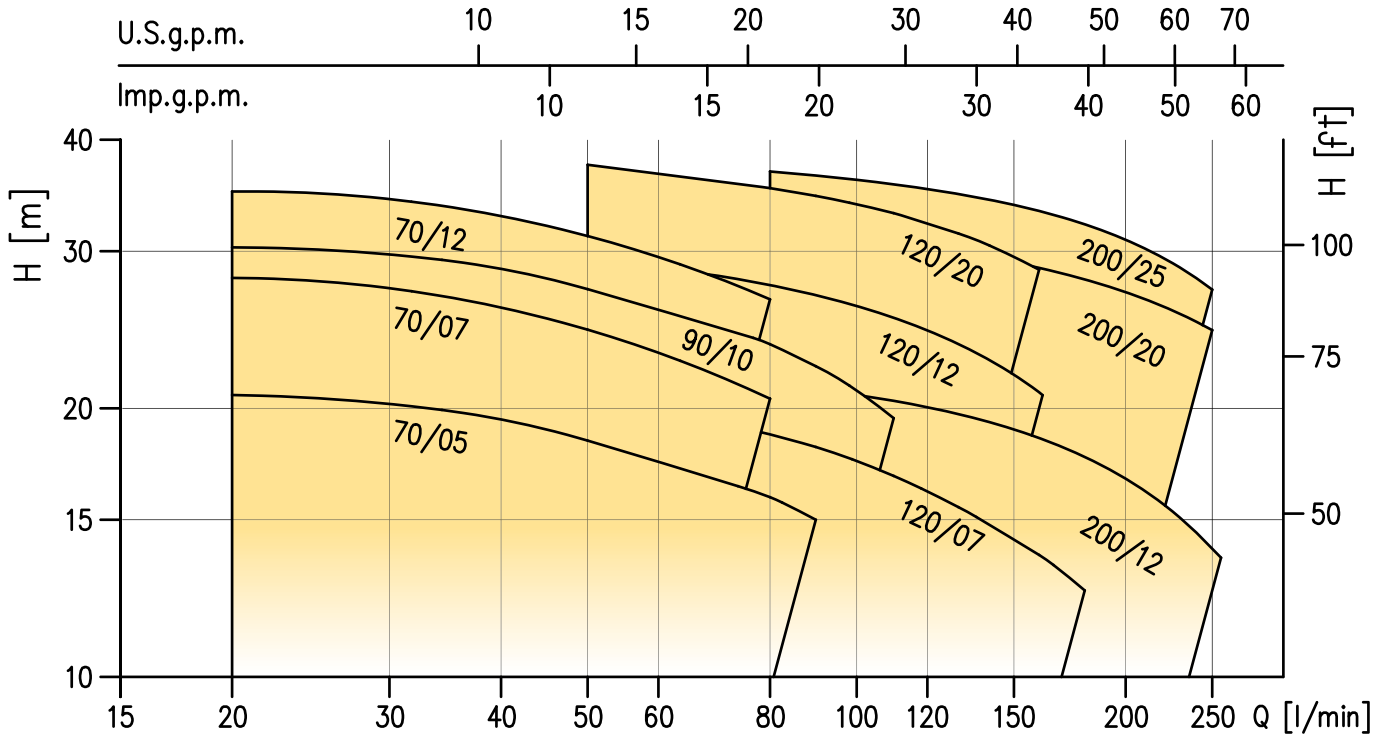
1EP-E - QA50/B - QA60/C - SMART

CD

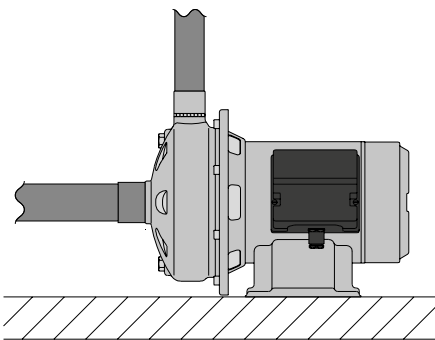
Single impeller centrifugal pumps completely made in AISI 304 stainless steel



CDX(L)



Installation



CD centrifugal pumps, thanks to their reduced dimensions, result easy to install also in that situations where space are small or difficult to reach. Its sturdy and reliable construction, combine with a stainless steel body, provide high performance in the critical applications, as a water distribution.

Completely in AISI 304



2 poles encased self-ventilated internally cooled asynchronous motor

CD



Single impeller centrifugal pumps completely made in AISI 304 stainless steel

Single phase 230V												2 Poles			
Model	Code	HP	kW	Q=Flow rate								Abs. Curr. [A] 230V	DNA	DNM	Weight [kg]
				l/min	20	50	90	130	160	210	250				
				m ³ /h	1,2	3	5,4	7,8	9,6	12,6	15				
H=Total head [m]															
CDM 70/05	1970050000	0,5	0,37		20,7	18,4	15,0	-	-	-	-	3,4	G1¼	G1	8,7
CDM 70/07	1970090000	0,8	0,55		28,0	24,5	-	-	-	-	-	5	G1¼	G1	10,0
CDM 70/12	1970100000	1,2	0,9		35,0	31,2	-	-	-	-	-	6,5	G1¼	G1	13,2
CDM 90/10	1970100500	1	0,75		30,3	27,2	22,3	-	-	-	-	5,6	G1¼	G1	11,5
CDM 120/07	1980090000	0,75	0,55		-	20,5	18,1	15,5	13,7	-	-	4,6	G1¼	G1	10,0
CDM/G 120/12	1980100000G	1,2	0,9		-	29,3	26,8	23,6	21,0	-	-	6,9	G1¼	G1	12,3
CDM 120/20	1980200000	2	1,5		-	37,5	34,6	31,4	28,6	-	-	9,3	G1¼	G1	15,3
CDM/G 200/12	1990100000G	1,2	0,9		-	-	21,0	19,7	18,5	16,0	14,0	6,3	G1½	G1	12,0
CDM/G 200/20	1990200000G	2	1,5		-	-	31,2	30,0	28,7	26,5	24,5	10,2	G1½	G1	15,8

Max. temperature of the liquid: 60° for CD 70/05, 70/07, 90/10, 90° for the rest of the standard range.

Three phase 230/400V												2 Poles				
Model	Code	HP	kW	Q=Flow rate								Abs. Curr. [A]		DNA	DNM	Weight [kg]
				l/min	20	50	90	130	160	210	250	230V	400V			
				m ³ /h	1,2	3	5,4	7,8	9,6	12,6	15					
H=Total head [m]																
CD 70/05	1970050004	0,5	0,37		20,7	18,4	15,0	-	-	-	-	2,4	1,4	G1¼	G1	8,7
CD 70/07	1970090004	0,8	0,55		28,0	24,5	-	-	-	-	-	3,5	2	G1¼	G1	10,0
CD/I 70/12	1970100004I	1,2	0,9		35,0	31,2	-	-	-	-	-	4,3	2,5	G1¼	G1	13,7
CD/I 90/10	1970100504I	1	0,75		30,3	27,2	22,3	-	-	-	-	3,3	1,9	G1¼	G1	11,6
CD 120/07	1980090004	0,75	0,55		-	20,5	18,1	15,5	13,7	-	-	3,2	1,85	G1¼	G1	10,5
CD/I 120/12	1980100004I	1,2	0,9		-	29,3	26,8	23,6	21,0	-	-	4,3	2,5	G1¼	G1	12,9
CD/I 120/20	1980200004I	2	1,5		-	37,5	34,6	31,4	28,6	-	-	7,1	4,1	G1¼	G1	18,3
CD/I 200/12	1990100004I	1,2	0,9		-	-	21,0	19,7	18,5	16,0	14,0	4,3	2,5	G1½	G1	12,6
CD/I 200/20	1990200004I	2	1,5		-	-	31,2	30,0	28,7	26,5	24,5	7,1	4,1	G1½	G1	17,5
CD/I 200/25	1990250004I	2,5	1,85		-	-	36,5	34,7	33,3	30,0	27,2	8,2	4,7	G1½	G1	18,3

Max. temperature of the liquid: 60° for CD 70/05, 70/07, 90/10, 90° for the rest of the standard range.

2CDX(L)



Twin impeller centrifugal pumps with hydraulic made in AISI 304 and AISI 316 stainless steel
 Single and twin impeller centrifugal pumps with AISI 304 or AISI 316 stainless steel hydraulic parts particularly suitable for domestic water boosting, small-scale garden watering, washing, water treatment, cooling towers and handling clean water in general.



Small dimensions



Sturdy hydraulic frame



Available in AISI 316 stainless steel

Materials

Pump body	AISI 304 stainless steel (2CDX) or AISI 316 stainless steel (2CDXL)
Impeller	AISI 304 stainless steel (2CDX) or AISI 316 stainless steel (2CDXL)
Shaft	AISI 304 stainless steel (2CDX) or AISI 316 stainless steel (2CDXL)
Mechanical seal	Ceramic/Carbon/NBR (standard)
Motor support	Aluminium (up to 1,5 kW included), cast iron (2,2 kW and above)

Options



Mechanical seal
 Page 391 - H, HS, HW, HSW, E, Q1AEGG, VAEGG, U3U3EGG, Q1U3EGG, U3CEGG

Technical data

Max. working pressure	8 bar
Max. temperature of the liquid	-5°C ÷ +60°C for 2CDX(L), E, Q1AEGG, VAEGG, U3U3EGG, Q1U3EGG, U3CEGG -5°C ÷ +110°C for H, HS, HW, HSW
Poles	2
Insulation class	F
Protection degree	IP55
Voltage	Single phase 230V ±10% Three phase 230/400V ±10%

Accessories



Tanks
 Page 384 - 8/10 bar 5/10 litres tanks



Floats
 Page 379 - Key floats with counterweight



Pressure switches
 Page 379 - 1,3÷12 bar pressure switches



Control panels and Control systems
 Page 366 - **Presscomfort**
 Pressure regulator
 Page 364 - **E-power**
 Variable speed control systems
 Page 362 - **E-drive**
 Variable speed control systems
 Page 307 - **Control panels**
 1EP-E - QA50/B - SMART

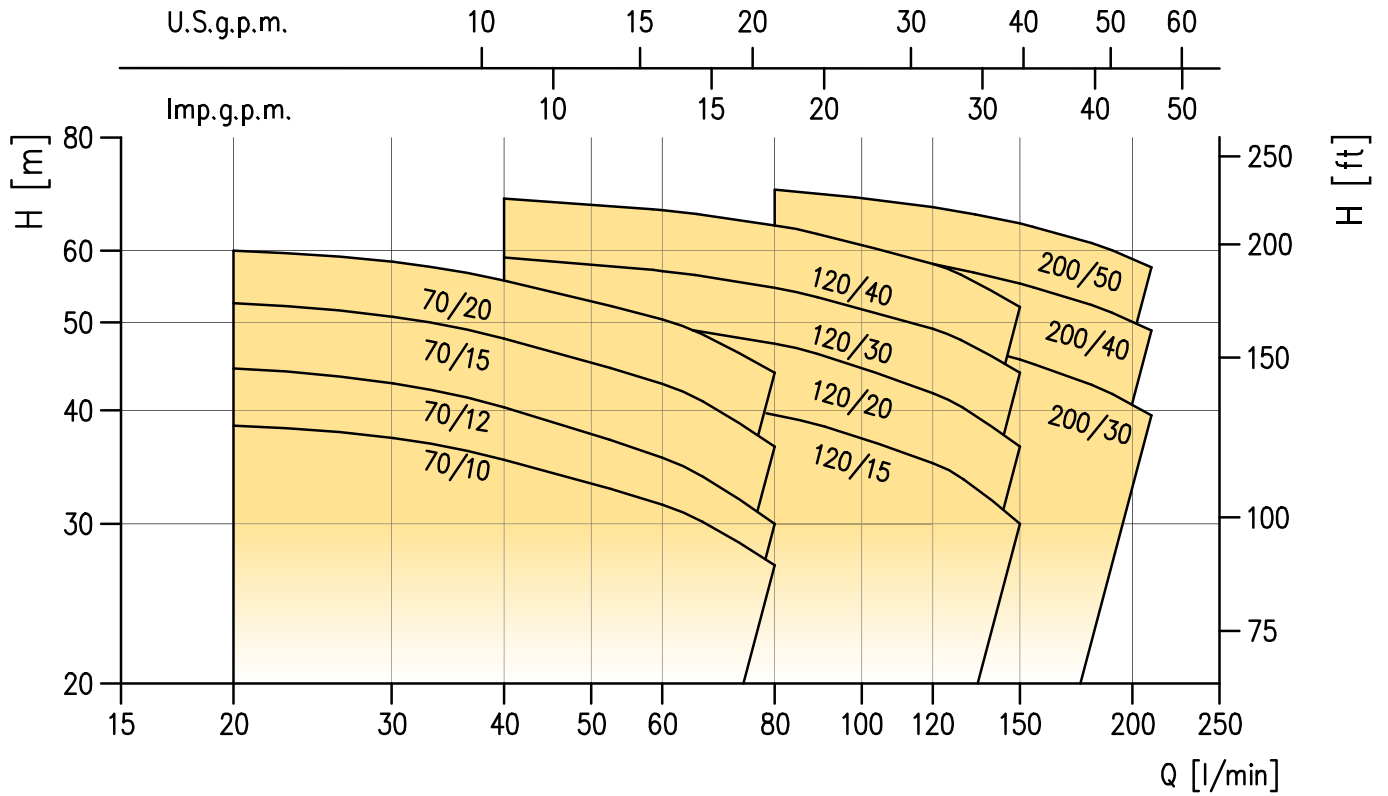


Insulation casing
 Page 380 - Insulation casing for CDX(L)/2CDX(L)

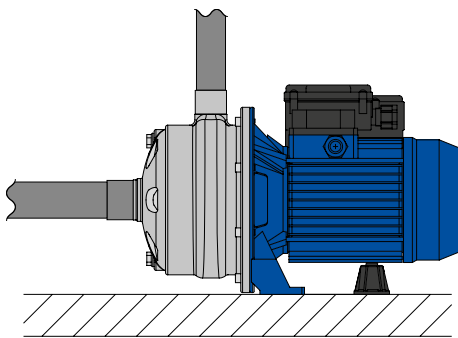
2CDX(L)



Twin impeller centrifugal pumps with hydraulic made in AISI 304 and AISI 316 stainless steel



Installation



2CDX(L) centrifugal pumps, thanks to their reduced dimensions, result easy to install also in that situations where space are small or difficult to reach.

Its sturdy and reliable construction, combine with a stainless steel body, provide high performance in the critical applications, as a water distribution.

Insulation casing



Thermal insulation is available as accessory.

Ready to be used for chiller application, please see page 380

2CDX(L)

Twin impeller centrifugal pumps with hydraulic made in AISI 304 and AISI 316 stainless steel



2CDX(L)

Version in AISI 304 - Single phase 230V 2 Poles

Model	Code	HP	KW	Q=Flow rate							Abs. Curr. [A] 230V	DNA	DNM	Weight [kg]
				l/min	20	40	60	80	120	150				
				m³/h	1,2	2,4	3,6	4,8	7,2	9				
H=Total head [m]														
2CDXM/A 70/10	1611100000	1	0,75		38,5	35,3	31,5	27,0	-	-	6	G1¼	G1	12,7
2CDXM/A 70/12	1611120000	1,2	0,9		44,5	40,3	35,5	30,0	-	-	7	G1¼	G1	13,3
2CDXM/C 70/15	1611150000C	1,5	1,1		52,5	48,0	42,8	36,5	-	-	8,1	G1¼	G1	17,5
2CDXM/B 70/20	1611200000B	2	1,5		60,0	55,6	50,4	44,0	-	-	10	G1¼	G1	18,5
2CDXM/C 120/15	1621150000C	1,5	1,1		-	42,0	41,0	39,5	35,0	30,0	8,3	G1¼	G1	16,3
2CDXM/B 120/20	1621200000B	2	1,5		-	51,5	49,5	47,4	41,8	36,5	10,2	G1¼	G1	17,0

Liquid temperature up to 60°C for standard range
 "SCA" version with drain plug available with a 5% increase on the price list.

Version in AISI 304 - Three phase 230/400V 2 Poles

Model	Code	HP	KW	Q=Flow rate								Abs. Curr. [A]		DNA	DNM	Weight [kg]
				l/min	40	60	80	120	150	180	210	230V	400V			
				m³/h	2,4	3,6	4,8	7,2	9	10,8	12,6					
H=Total head [m]																
2CDX/I 70/10	1611100004I	1	0,75		35,3	31,5	27,0	-	-	-	-	3,4	2	G1¼	G1	12,6
2CDX/I 70/12	1611120004I	1,2	0,9		40,3	35,5	30,0	-	-	-	-	4,3	2,5	G1¼	G1	13,7
2CDX/I 70/15	1611150004I	1,5	1,1		48,0	42,8	36,5	-	-	-	-	5,8	3,3	G1¼	G1	17,0
2CDX/I 70/20	1611200004I	2	1,5		55,6	50,4	44,0	-	-	-	-	7,8	4,5	G1¼	G1	20,1
2CDX/I 120/15	1621150004I	1,5	1,1		42,0	41,0	39,5	35,0	30,0	-	-	5,8	3,3	G1¼	G1	15,6
2CDX/I 120/20	1621200004I	2	1,5		51,5	49,5	47,4	41,8	36,5	-	-	7,8	4,5	G1¼	G1	18,3
2CDX/I 120/30	1989300004I	3	2,2		59,0	57,0	54,6	49,2	44,0	-	-	8,2	4,7	G1¼	G1	26,1
2CDX/I 120/40	1989400004I	4	3		68,5	66,5	64,0	58,0	52,0	-	-	11,1	6,4	G1¼	G1	27,8
2CDX/I 200/30	1999300004I	3	2,2		-	52,0	50,8	48,1	45,5	42,7	39,5	11,1	6,4	G1½	G1	26,6
2CDX/I 200/40	1999400004I	4	3		-	62,5	61,1	58,0	55,2	52,3	49,0	11,2	6,5	G1½	G1	27,6
2CDX/I 200/50	1999500004I	5	3,7		-	71,5	70,1	67,0	64,3	61,2	57,5	15,1	8,7	G1½	G1	35,6

Liquid temperature up to 60°C for standard range
 "SCA" version with drain plug available with a 5% increase on the price list.

L version in AISI 316 - Three phase 230/400V 2 Poles

Model	Code	HP	KW	Q=Flow rate								Abs. Curr. [A]		DNA	DNM	Weight [kg]
				l/min	40	60	80	120	150	180	210	230V	400V			
				m³/h	2,4	3,6	4,8	7,2	9	10,8	12,6					
H=Total head [m]																
2CDXL/I 70/10	1611108004I	1	0,75		35,3	31,5	27,0	-	-	-	-	3,4	2	G1¼	G1	12,6
2CDXL/I 70/12	1611128004I	1,2	0,9		40,3	35,5	30,0	-	-	-	-	4,3	2,5	G1¼	G1	13,7
2CDXL/I 70/15	1611158004I	1,5	1,1		48,0	42,8	36,5	-	-	-	-	5,8	3,3	G1¼	G1	17,0
2CDXL/I 70/20	1611208004I	2	1,5		55,6	50,4	44,0	-	-	-	-	7,8	4,5	G1¼	G1	20,1
2CDXL/I 120/15	1621158004I	1,5	1,1		42,0	41,0	39,5	35,0	30,0	-	-	5,8	3,3	G1¼	G1	15,6
2CDXL/I 120/20	1621208004I	2	1,5		51,5	49,5	47,4	41,8	36,5	-	-	7,8	4,5	G1¼	G1	18,3
2CDXL/I 120/30	1989308004I	3	2,2		59,0	57,0	54,6	49,2	44,0	-	-	8,2	4,7	G1¼	G1	26,1
2CDXL/I 120/40	1989408004I	4	3		68,5	66,5	64,0	58,0	52,0	-	-	11,1	6,4	G1¼	G1	27,8
2CDXL/I 200/30	1999308004I	3	2,2		-	52,0	50,8	48,1	45,5	42,7	39,5	11,1	6,4	G1½	G1	26,6
2CDXL/I 200/40	1999408004I	4	3		-	62,5	61,1	58,0	55,2	52,3	49,0	11,2	6,5	G1½	G1	27,6
2CDXL/I 200/50	1999508004I	5	3,7		-	71,5	70,1	67,0	64,3	61,2	57,5	15,1	8,7	G1½	G1	35,6

Liquid temperature up to 60°C for standard range
 "SCA" version with drain plug available with a 5% increase on the price list.
 AISI 316 single phase version available: please contact our sales network.

DWC

Closed impeller centrifugal pumps in AISI 304 stainless steel

Closed impeller centrifugal pumps in AISI 304 stainless steel particularly suitable for refrigeration, air-conditioning and heating systems, chillers, washing systems and for residential, commercial and industrial water supply.



Small dimensions



Sturdy hydraulic frame



Low noise

Materials

Pump body	AISI 304 stainless steel
Impeller	AISI 304 stainless steel
Shaft	AISI 304 stainless steel (part in contact with the liquid)
Mechanical seal	Ceramic/Carbon/EPDM (standard)
Motor support	Aluminium

Technical data

Max. working pressure	8 bar
Max. temperature of the liquid	-15°C ÷ +90°C for std, Q1AVGG, VAEGG, U3BEGG, Q1U3EGG, AQ1EGG versions -15°C ÷ +110°C for H, HS, HW, HSW versions
Poles	2
Insulation class	F
Protection degree	IP55
Voltage	Three phase 230/400V ±10%

Accessories



Control panels

Page 367 - **Control panels**
1EP-E - SMART - QT1



Insulation casing

Page 380 - **Insulation casing for DWC**

Options

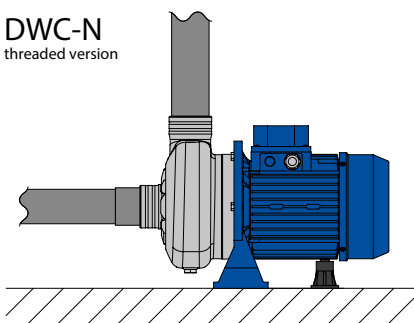


Mechanical seal

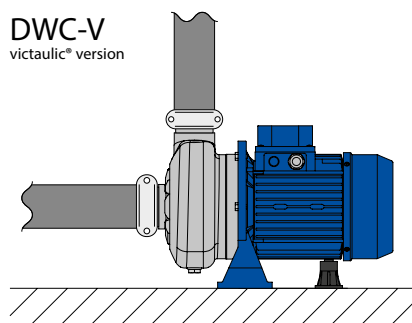
Page 391 - **H, HS, HW, HSW, Q1AVGG, VAEGG, U3BEGG, Q1U3EGG, AQ1EGG**

Installation

DWC-N
threaded version



DWC-V
victaulic® version



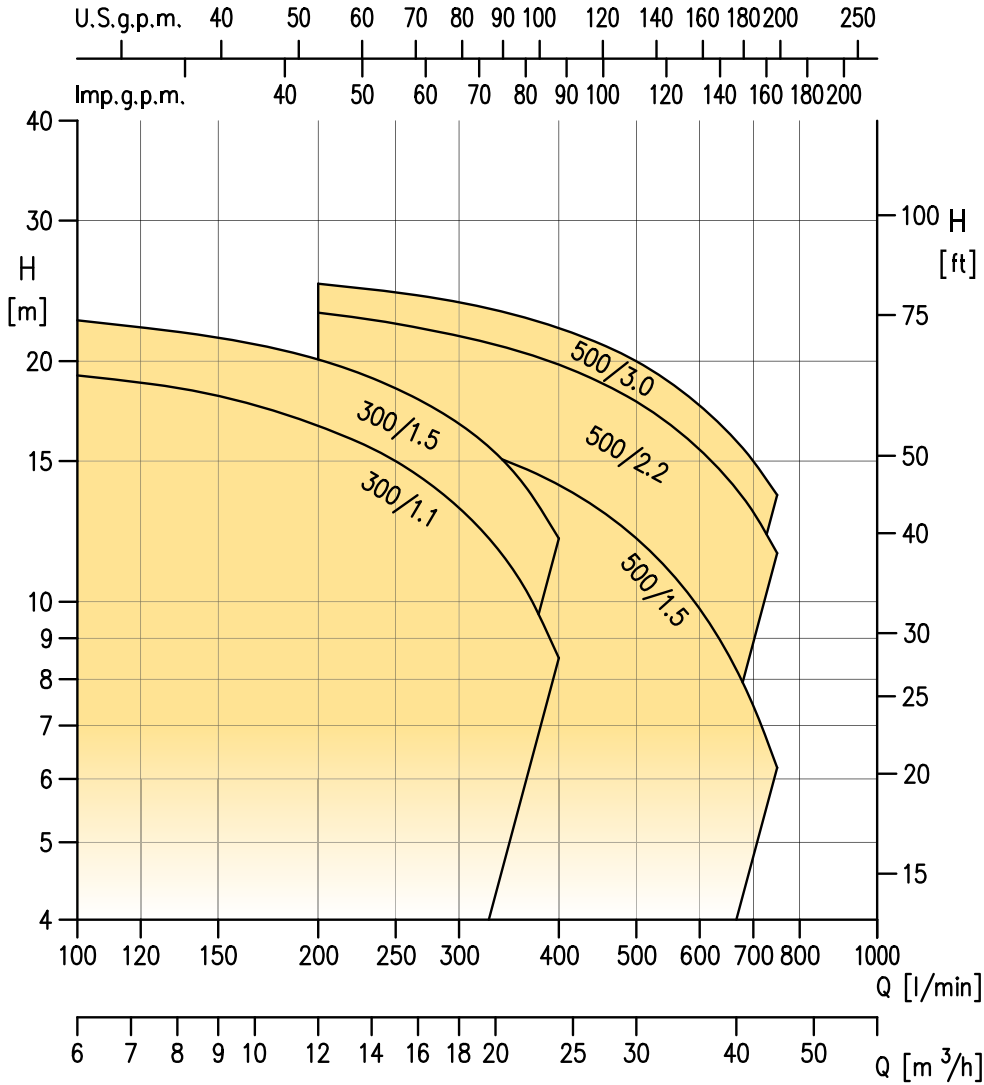
DWC centrifugal pumps, thanks to their reduced dimensions, result easy to install also in that situations where space are small or difficult to reach. Its sturdy and reliable construction, combine with a stainless steel body, provide high performance in the critical applications, as a water distribution.

DWC



Closed impeller centrifugal pumps in AISI 304 stainless steel

DWC



Three phase 230/400V													2 Poles			
Model	Code	HP	kW	Q=Flow rate						Abs. Curr.		DNA	DNM	Weight [kg]		
				l/min	150	200	350	500	600	700	[A]					
				m³/h	9	12	21	30	36	42	230V				400V	
													H=Total head [m]			
DWC-V/I 300/1,1	2180070004I	1,5	1,1		18,1	16,6	11,0	-	-	-	5,8	3,3	G2	G2	15,4	
DWC-V/I 300/1,5	2180080004I	2	1,5		21,4	20,1	14,6	-	-	-	6,6	3,8	G2	G2	16,9	
DWC-N/I 300/1,1	2181070004I	1,5	1,1		18,1	16,6	11,0	-	-	-	5,8	3,3	G2	G2	15,4	
DWC-N/I 300/1,5	2181080004I	2	1,5		21,4	20,1	14,6	-	-	-	6,6	3,8	G2	G2	16,9	
DWC-V/I 500/1,5	2190080004I	2	1,5		-	-	14,9	12,0	9,8	7,4	6,6	3,8	G2	G2	17,4	
DWC-V/I 500/2,2	2190100004I	3	2,2		-	-	20,7	17,8	15,5	13,0	8,2	4,7	G2	G2	20,3	
DWC-V/I 500/3,0	2190110004I	4	3		-	-	22,9	20,0	17,6	15,0	11,1	6,4	G2	G2	22,3	
DWC-N/I 500/1,5	2191080004I	2	1,5		-	-	14,9	12,0	9,8	7,4	6,6	3,8	G2	G2	17,4	
DWC-N/I 500/2,2	2191100004I	3	2,2		-	-	20,7	17,8	15,5	13,0	8,2	4,7	G2	G2	20,3	
DWC-N/I 500/3,0	2191110004I	4	3		-	-	22,9	20,0	17,6	15,0	11,1	6,4	G2	G2	22,3	

"V" version (Victaulic connections) is supplied with insulation casing.

CMA - B - C - D



Single impeller centrifugal pumps in cast iron

Cast iron single-impeller centrifugal pumps suitable for domestic water system boosting, small-scale irrigation, handling non-aggressive liquids for residential, commercial and industrial use, washing systems and vehicle washing.



Available with brass impeller

Materials

Pump body	Cast iron
Impeller	<ul style="list-style-type: none"> - in PPE+PS reinforced with fibreglass for CMA 0.50-0.75-1.00 - in brass for CMA 1.50-2.00-3.00 CMB 2.00-3.00-4.00-5.50 - in cast iron for CMB 0.75-1.00-1.50, CMC, CMD
Shaft	<ul style="list-style-type: none"> - in AISI 416 (integral) for CMA 0.50 - in AISI 303 (part in contact with the liquid) for CMA 0.75-1.00-1.50-2.00-3.00 CMB 0.75-1.00-1.50-2.00-3.00 CMC 0.75-1.00, CMD 1.50-2.00-3.00 - in AISI 304 (part in contact with the liquid) for CMB 4.00-5.50
Mechanical seal	Ceramic/Carbon/NBR (standard)
Motor support	<ul style="list-style-type: none"> - in aluminium for CMA 0.50-0.75-1.00 CMB 0.75-1.00 CMC 0.75-1.00 - in cast iron for the rest of the range

Technical data

Max. working pressure	6 bar for CMA 0.50-0.75-1.00 CMB 0.75-1.00-1.50-2.00-3.00 CMC, CMD 8 bar for CMA 1.50-2.00-3.00 CMB 4.00-5.50
Max. temperature of the liquid	40°C for CMA 0.50-0.75-1.00 90°C for the rest of the range
MEI	> 0,4
Poles	2
Insulation class	F
Protection degree	IP44
Voltage	Single phase 230V ±10% Three phase 230/400V ±10%

Accessories



Tanks

Page 384 - **8/10 bar 5/10 litres tanks**



Floats

Page 379 - **Key floats with counterweight**



Pressure switches

Page 379 - **1,3÷12 bar pressure switches**



Control panels and Control systems

Page 366 - **Presscomfort**

Pressure regulator

Page 364 - **E-power**

Variable speed control systems

Page 362 - **E-drive**

Variable speed control systems

Page 367 - **Control panels**

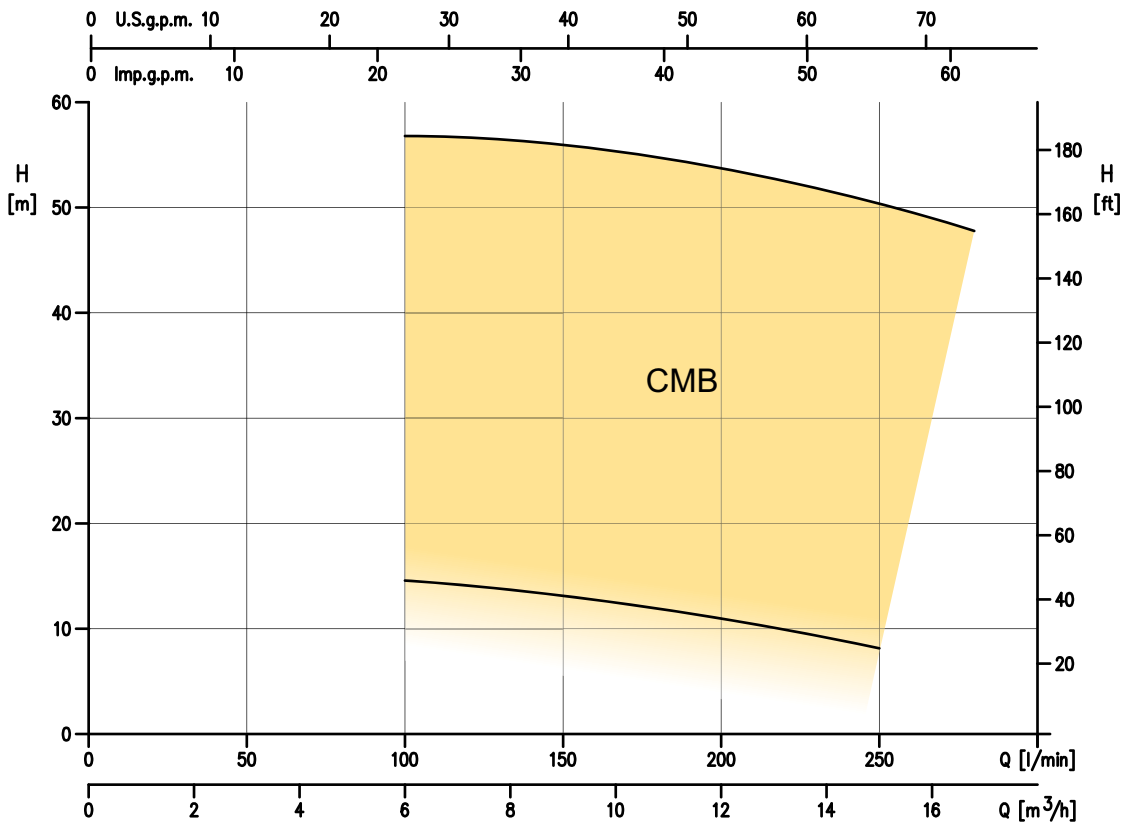
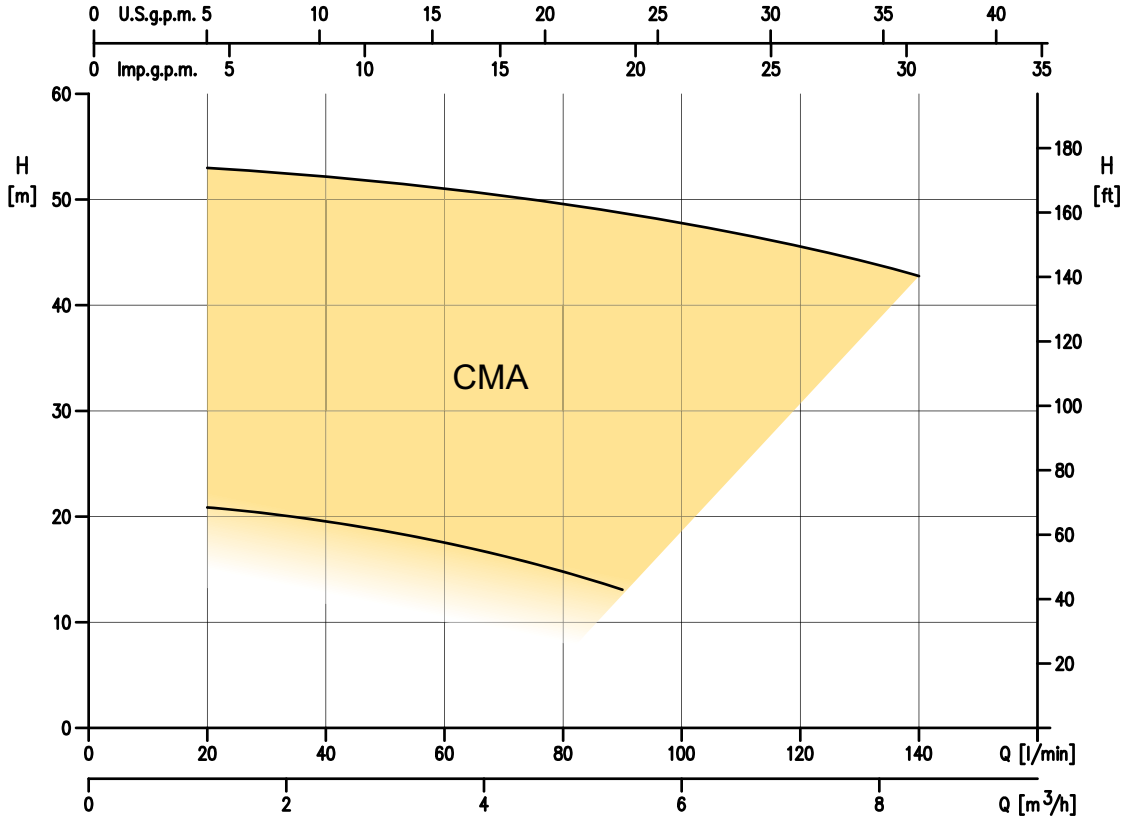
1EP-E - QA50/B - QA60/C - SMART

CMA - B - C - D

Single impeller centrifugal pumps in cast iron

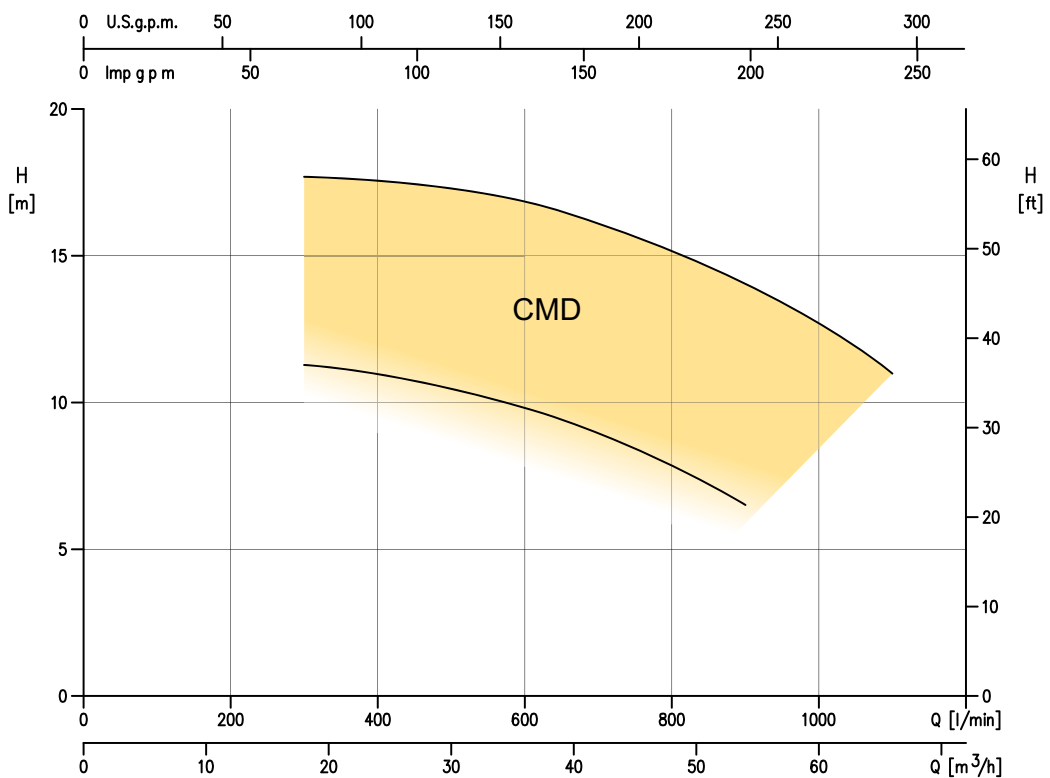
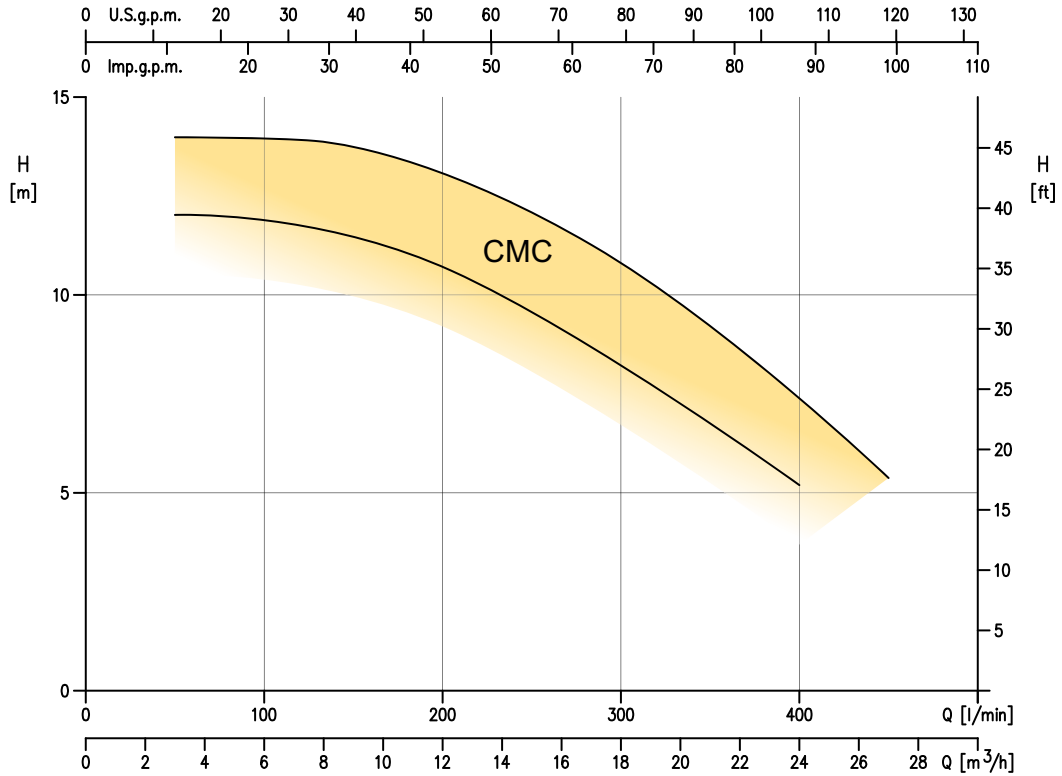


CMA - B - C - D



CMA - B - C - D

Single impeller centrifugal pumps in cast iron

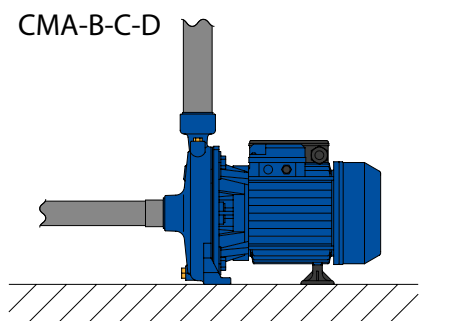


CMA - B - C - D

Single impeller centrifugal pumps in cast iron



Installation



CM series centrifugal pumps, thanks to their reduced dimensions, result easy to install also in that situations where space are small or difficult to reach. Its sturdy and reliable construction, provide high performance in the application where, as a the water distribution, long - life working without a demanding maintenance is required.

Single phase 230V													2 Poles			
Model	Code	HP	kW	Q=Flow rate								Abs. Curr. [A] 230V	DNA	DNM	Weight [kg]	
				l/min	20	40	60	80	85	90	110					120
				m ³ /h	1,2	2,4	3,6	4,8	5,1	5,4	6,6	7,2				
				H=Total head [m]												
CMA 0,50 M	1160050000	0,5	0,37		20,9	19,5	17,6	14,9	14,0	13,1	-	-	3,2	G1	G1	7,2
CMA 0,50 M GO	1160050100	0,5	0,37		20,9	19,5	17,6	14,9	14,0	13,1	-	-	3,2	G1	G1	7,2
CMA/A 0,75 M	1160090000A	0,75	0,55		29,7	27,8	24,9	21,1	20,2	-	-	-	4,7	G1	G1	10,3
CMA/A 0,75 M GO	1160090100A	0,75	0,55		29,7	27,8	24,9	21,1	20,2	-	-	-	4,7	G1	G1	10,3
CMA 1,00 M	1160100000	1	0,75		33,0	31,9	29,9	26,6	25,6	24,6	-	-	6,2	G1	G1	11,5
CMA 1,00 M GO	1160100100	1	0,75		33,0	31,9	29,9	26,6	25,6	24,6	-	-	6,2	G1	G1	11,5
CMA/B 1,50 M	1160150000B	1,5	1,1		39,5	39,0	38,3	37,0	36,5	36,1	34,5	-	8	G1¼	G1	19,5
CMA/A 2,00 M	1160200000A	2	1,5		47,5	47,0	46,0	45,0	45,0	44,5	43,0	42,0	10,3	G1¼	G1	22,8

GO= Verision with brass impeller

Single phase 230V													2 Poles		
Model	Code	HP	kW	Q=Flow rate					Abs. Curr. [A] 230V	DNA	DNM	Weight [kg]			
				l/min	100	150	200	250					280		
				m ³ /h	6	9	12	15,1	16,9						
				H=Total head [m]											
CMB 0,75 M	1170090000	0,75	0,55		14,6	13,2	10,9	81,0	-	4,5	G2	G1¼	11,6		
CMB 1,00 M	1170100000	1	0,75		18,6	17,5	15,7	13,1	-	6	G2	G1¼	13,7		
CMB/B 1,50 M	1170150000B	1,5	1,1		22,5	21,6	20,0	17,8	16,2	8,2	G2	G1¼	19,9		
CMB/A 2,00 M	1170200000A	2	1,5		30,8	29,7	28,0	25,4	23,6	10,3	G2	G1¼	21,0		

Single phase 230V													2 Poles		
Model	Code	HP	kW	Q=Flow rate						Abs. Curr. [A] 230V	DNA	DNM	Weight [kg]		
				l/min	50	100	200	300	400					450	
				m ³ /h	3	6	12	18,1	24,1	27,1					
				H=Total head [m]											
CMC 0,75 M	1180090000	0,75	0,55		12,0	11,9	10,7	8,3	5,2	-	4,2	G2	G2	11,6	
CMC 1,00 M	1180100000	1	0,75		14,0	14,0	13,1	10,8	7,4	5,4	5,3	G2	G2	13,0	

Single phase 230V													2 Poles		
Model	Code	HP	kW	Q=Flow rate							Abs. Curr. [A] 230V	DNA	DNM	Weight [kg]	
				l/min	250	400	600	800	900	950					1000
				m ³ /h	18	24	36	48	54	57	60				
				H=Total head [m]											
CMD/B 1,50 M	1190150000B	1,5	1,1		11,3	11,0	9,8	7,8	6,5	-	-	8,5	G2½	G2½	21,3
CMD/A 2,00 M	1190200000A	2	1,5		13,1	12,9	12,0	10,2	9,0	8,4	-	10,3	G2½	G2½	23,0

CMA - B - C - D

Single impeller centrifugal pumps in cast iron



Three phase 230/400V													2 Poles				
Model	Code	HP	kW	Q=Flow rate								Abs. Curr. [A]		DNA	DNM	Weight [kg]	
				l/min	20	40	60	80	85	90	110	120	230V				400V
				m ³ /h	1,2	2,4	3,6	4,8	5,1	5,4	6,6	7,2					
				H=Total head [m]													
CMA 0,50 T	1160050004	0,5	0,37		20,9	19,5	17,6	14,9	14,0	13,1	-	-	2,4	1,4	G1	G1	7,1
CMA 0,50 T GO	1160050104	0,5	0,37		20,9	19,5	17,6	14,9	14,0	13,1	-	-	2,4	1,4	G1	G1	7,1
CMA/A 0,75 T	1160090004A	0,75	0,55		29,7	27,8	24,9	21,1	20,2	-	-	-	3,2	1,8	G1	G1	10,2
CMA/A 0,75 T GO	1160090104A	0,75	0,55		29,7	27,8	24,9	21,1	20,2	-	-	-	3,2	1,8	G1	G1	10,2
CMA/I 1,00 T	1160100004I	1	0,75		33,0	31,9	29,9	26,6	25,6	24,6	-	-	3,3	1,9	G1	G1	11,6
CMA/I 1,00 T GO	1160100104I	1	0,75		33,0	31,9	29,9	26,6	25,6	24,6	-	-	3,3	1,9	G1	G1	11,6
CMA/I 1,50 T	1160150004I	1,5	1,1		39,5	39,0	38,3	37,0	36,5	36,1	34,5	-	5,8	3,3	G1¼	G1	20,8
CMA/I 2,00 T	1160200004I	2	1,5		47,5	47,0	46,0	45,0	45,0	44,5	43,0	42,0	7,6	4,4	G1¼	G1	24,3
CMA/I 3,00 T	1160300004I	3	2,2		53,0	52,5	51,0	49,5	49,0	49,0	46,5	45,5	8,5	4,9	G1¼	G1	24,3

GO= Version with brass impeller

Three phase 230/400V													2 Poles			
Model	Code	HP	kW	Q=Flow rate					Abs. Curr. [A]		DNA	DNM	Weight [kg]			
				l/min	100	150	200	250	280	230V				400V		
				m ³ /h	6	9	12	15,1	16,9							
				H=Total head [m]												
CMB 0,75 T	1170090004	0,75	0,55		14,6	13,2	10,9	81,0	-	-	3,0	1,7	G2	G1¼	11,6	
CMB/I 1,00 T	1170100004I	1	0,75		18,6	17,5	15,7	13,1	-	-	3,5	2,0	G2	G1¼	13,7	
CMB/I 1,50 T	1170150004I	1,5	1,1		22,5	21,6	20,0	17,8	16,2	-	-	5,8	3,3	G2	G1¼	20,4
CMB/I 2,00 T	1170200004I	2	1,5		30,8	29,7	28,0	25,4	23,6	-	-	7,1	4,1	G2	G1¼	22,9
CMB/I 3,00 T	1170300004I	3	2,2		35,4	34,4	32,7	30,2	28,5	-	-	8,2	4,7	G2	G1¼	22,2
CMB/I 4,00 T	1170400004I	4	3		45,5	44,0	42,0	37,8	36,2	-	-	11,1	6,4	G2	G1¼	37,7
CMB/I 5,50 T	1170550004I	5,5	4		57,0	56,0	53,5	50,5	48,0	-	-	15,6	9,0	G2	G1¼	43,4

Three phase 230/400V													2 Poles				
Model	Code	HP	kW	Q=Flow rate						Abs. Curr. [A]		DNA	DNM	Weight [kg]			
				l/min	50	100	200	300	400	450	230V				400V		
				m ³ /h	3	6	12	18,1	24,1	27,1							
				H=Total head [m]													
CMC 0,75 T	1180090004	0,75	0,55		12,0	11,9	10,7	8,3	5,2	-	-	2,8	1,6	G2	G2	11,6	
CMC/I 1,00 T	1180100004I	1	0,75		14,0	14,0	13,1	10,8	7,4	5,4	-	-	3,0	1,7	G2	G2	13,8

Three phase 230/400V													2 Poles			
Model	Code	HP	kW	Q=Flow rate							Abs. Curr. [A]		DNA	DNM	Weight [kg]	
				l/min	250	400	600	800	900	950	1000	230V				400V
				m ³ /h	18	24	36	48	54	57	60					
				H=Total head [m]												
CMD/I 1,50 T	1190150004I	1,5	1,1		11,3	11,0	9,8	7,8	6,5	-	-	5,8	3,3	G2½	G2½	23,1
CMD/I 2,00 T	1190200004I	2	1,5		13,1	12,9	12,0	10,2	9,0	8,4	-	7,1	4,1	G2½	G2½	24,2
CMD/I 3,00 T	1190300004I	3	2,2		16,1	15,8	15,0	13,1	11,9	11,2	10,4	8,2	4,7	G2½	G2½	23,9

CDA

Twin impeller centrifugal pumps in cast iron

Cast iron twin impeller centrifugal pumps suitable for domestic water system boosting, small-scale irrigation, handling non-aggressive liquids for residential, commercial and industrial use, washing systems and vehicle washing. They can be installed in complex machinery for industrial use.

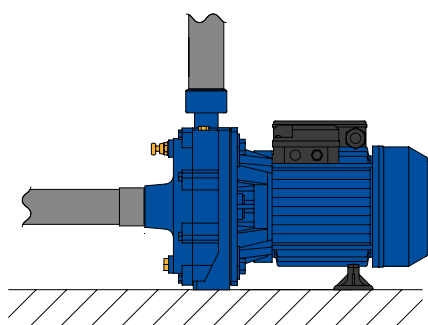


Available
with brass
impeller

Materials

Pump body	Cast iron
Impeller	in PPE+PS reinforced with fibreglass for CDA 0.75 - 1.00, in brass for the rest of the range
Shaft	in AISI 303 for CDA 0.75 - 1.00 - 1.50 - 2.00 - 3.00, in AISI 304 for CDA 4.00 - 5.50
Mechanical seal	Ceramic/Carbon/NBR (standard)
Motor support	in aluminium for CDA 0.75 - 1.00 in cast iron for the rest of the range

Installation



CDA centrifugal pumps, thanks to their reduced dimensions, result easy to install also in that situations where space are small or difficult to reach. Its sturdy and reliable construction, provide high performance in the application where, as a the water distribution, long - life working without a demanding maintenance is required.

Technical data

Max. working pressure	6 bar for CDA 0.75-1.00 10 bar for the rest of the range
Max. temperature of the liquid	40°C for CDA 0.75-1.00, 90°C for the rest of the range
Poles	2
Insulation class	F
Protection degree	IP44
Voltage	Single phase 230V ±10% Three phase 230/400V ±10%

Accessories



Tanks
Page 384 - **8/10 bar 5/10 litres tanks**



Floats
Page 379 - **Key floats with counterweight**



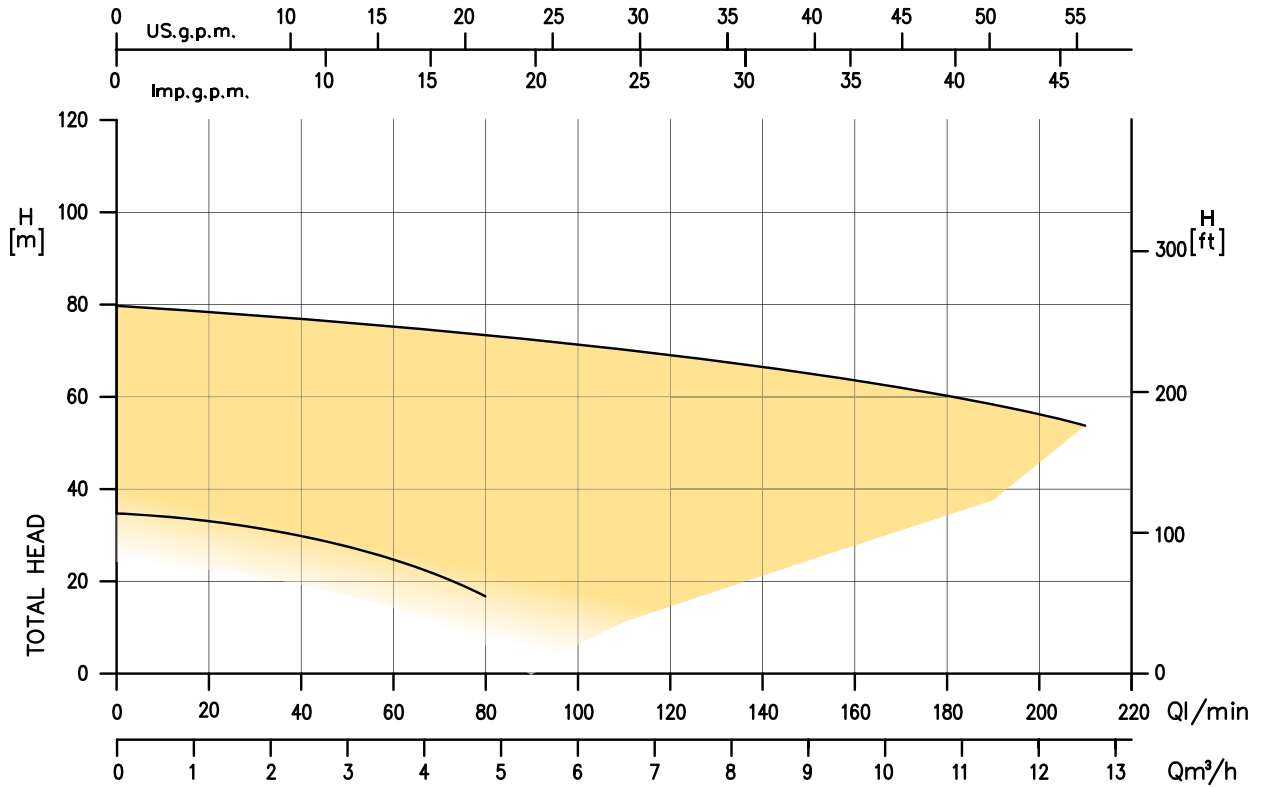
Pressure switches
Page 379 - **1,3÷12 bar pressure switches**



Control panels and Control systems
Page 366 - **Presscomfort**
Pressure regulator
Page 364 - **E-power**
Variable speed control systems
Page 362 - **E-drive**
Variable speed control systems
Page 367 - **Control panels**
1EP-E - QA50/B - QA60/C - SMART

CDA

Twin impeller centrifugal pumps in cast iron



Single phase 230V												2 Poles				
Model	Code	HP	KW	Q=Flow rate								Abs. Curr. [A] 230V	DNA	DNM	Weight [kg]	
				l/min	20	40	50	80	90	100	110					
				m³/h	1,2	2,4	3	4,8	5,4	6	6,6					
H=Total head [m]																
CDA/A 0.75 M	1210090000A	0,75	0,55		33,0	30,2	27,9	17,0	-	-	-	5	G1	G1	13,8	
CDA/A 0.75 M GO	1210090100A	0,75	0,55		33,0	30,2	27,9	17,0	-	-	-	5	G1	G1	13,8	
CDA 1.00 M	1210100000	1	0,75		39,5	37,0	35,2	27,0	21,0	-	-	6,1	G1	G1	15,0	
CDA 1.00 M GO	1210100100	1	0,75		39,5	37,0	35,2	27,0	21,0	-	-	6,1	G1	G1	15,0	
CDA/B 1.50 M	1210150000B	1,5	1,1		50,8	48,8	47,1	38,4	33,4	27,5	-	8,6	G1¼	G1	24,2	
CDA/A 2.00 M	1210200000A	2	1,5		60,5	58,6	56,9	49,8	46,5	40,3	32,5	10,8	G1¼	G1	26,0	

GO= Version with brass impeller

Three phase 230/400V												2 Poles				
Model	Code	HP	KW	Q=Flow rate								Abs. Curr. [A]		DNA	DNM	Weight [kg]
				l/min	20	40	50	80	110	140	170	230V	400V			
				m³/h	1,2	2,4	3	4,8	6,6	8,4	10,2					
H=Total head [m]																
CDA/A 0.75 T	1210090004A	0,75	0,55		33,0	30,2	27,9	17,0	-	-	-	3,4	2,0	G1	G1	13,8
CDA/I 1.00 T	1210100004I	1	0,75		39,5	37,0	35,2	27,0	-	-	-	3,3	1,9	G1	G1	15,0
CDA/I 1.00 T GO	1210100104I	1	0,75		39,5	37,0	35,2	27,0	-	-	-	3,3	1,9	G1	G1	15,0
CDA/I 1.50 T	1210150004I	1,5	1,1		50,8	48,8	47,1	38,4	-	-	-	5,8	3,3	G1¼	G1	25,8
CDA/I 2.00 T	1210200004I	2	1,5		60,5	58,6	56,9	49,8	32,5	-	-	7,9	4,6	G1¼	G1	28
CDA/I 3.00 T	1210300004I	3	2,2		-	60,5	59,3	54,1	44,6	32,0	-	8,5	4,9	G1¼	G1	26,7
CDA/I 4.00 T	1210400004I	4	3		-	-	67,0	64,8	62,0	58,0	53,5	11,7	6,8	G1½	G1¼	46,8
CDA/I 5.50 T	1210550004I	5,5	4		-	-	76,5	73,9	70,5	66,8	62,0	15,1	8,7	G1½	G1¼	52

GO= Version with brass impeller

PRA - PRN

Peripheral pumps in cast iron

Cast iron electric peripheral pumps particularly suitable for domestic uses, supplying boilers, pressure vessel units etc.



Nickel-plated version available



Lightweight and easy to transport



Practical and easy to use

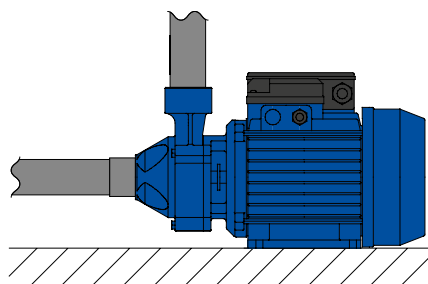


Low noise

Materials

Pump body	Cast iron
Impeller	Brass
Shaft	AVZ for PRA 0.50 AISI 303 for the rest of the range
Mechanical seal	Carbon/Ceramic/NBR (standard)
Motor support	Cast iron

Installation



PRA centrifugal pumps, thanks to their reduced dimensions, result easy to install also in that situations where space are small or difficult to reach. Its sturdy and reliable construction, provide high performance in the application where, as a the water distribution, long - life working without a demanding maintenance is required.

Technical data

Max. working pressure	6 bar PRA/PRN 0.50 7,5 bar PRA 0.80 12 bar for the rest of the range
Max. temperature of the liquid	80°C
Poles	2
Insulation class	F
Protection degree	IP44
Voltage	Single phase 230V ±10% Three phase 230/400V ±10%

Accessories



Floats

Page 379 - **Key floats with counterweight**

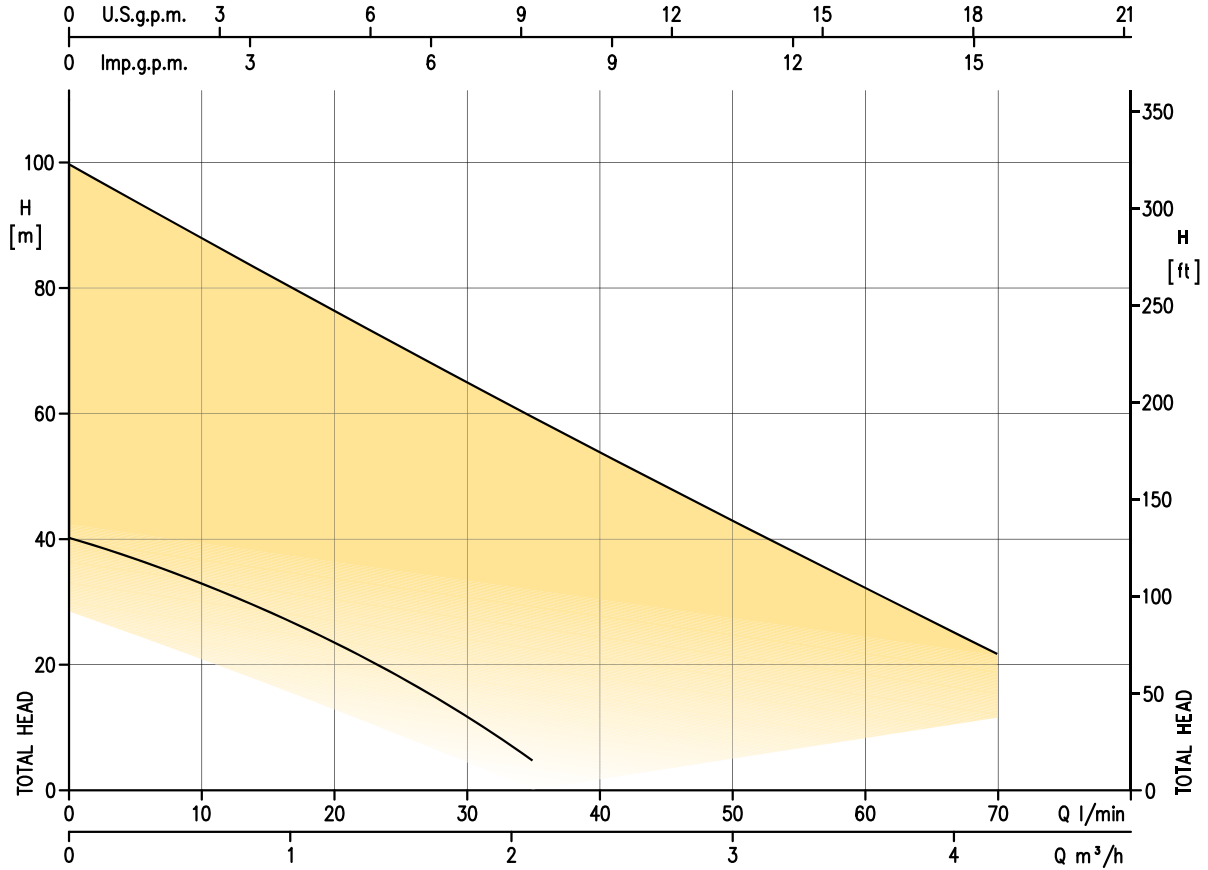


Control panels

Page 373 - **Control panels**
QA50/B - QA60/C

PRA - PRN

Peripheral pumps in cast iron



Single phase 230V 2 Poles

Model	Code	HP	kW	Q=Flow rate								Abs. Curr. [A]	DNA	DNM	Weight [kg]
				l/min	5	10	15	20	35	50	65				
				m³/h	0,3	0,6	0,9	1,2	2,1	3	3,9				
H=Total head [m]															
PRA 0,50 M	1150050000	0,5	0,37	37,0	33,3	28,7	23,7	5,0	-	-	2,6	G1	G1	5,6	
PRA 0,80 M	1150080000	0,8	0,6	56,0	50,7	45,1	39,8	25,0	12,0	-	4,9	G1	G1	9,2	
PRA 1,00 M	1150100000	1	0,75	62,0	54,4	47,0	40,4	24,3	13,0	-	5,6	G1	G1	9,7	
PRA/B 1,50 M	1150150000B	1,5	1,1	-	81,0	76,9	71,9	55,8	37,9	18,0	10	G1	G1	14,5	
PRA/A 2,00 M	1150200000A	2	1,5	-	88,0	82,9	77,0	59,8	43,3	27,4	10,9	G1	G1	15,8	
PRN 0,50 M *	1150050100	0,5	0,37	37,0	33,3	28,7	23,7	5,0	-	-	2,6	G1	G1	5,6	

* Nickel-plated version

Three phase 230/400V 2 Poles

Model	Code	HP	kW	Q=Flow rate								Abs. Curr. [A]		DNA	DNM	Weight [kg]
				l/min	5	10	15	20	35	50	65	230V	400V			
				m³/h	0,3	0,6	0,9	1,2	2,1	3	3,9					
H=Total head [m]																
PRA 0,50 T	1150050004	0,5	0,37	37,0	33,3	28,7	23,7	5,0	-	-	1,7	1	G1	G1	5,6	
PRA 0,80 T	1150080004	0,8	0,6	56,0	50,7	45,1	39,8	25,0	12,0	-	3,6	2,1	G1	G1	9,2	
PRA/I 1,00 T	1150100004I	1	0,75	62,0	54,4	47,0	40,4	24,3	13,0	-	3	1,7	G1	G1	10,5	
PRA/I 1,50 T	1150150004I	1,5	1,1	-	81,0	76,9	71,9	55,8	37,9	18,0	5,8	3,3	G1	G1	16,4	
PRA/I 2,00 T	1150200004I	2	1,5	-	88,0	82,9	77,0	59,8	43,3	27,4	6,6	3,8	G1	G1	17,3	

DWO



Open impeller centrifugal pumps in AISI 304 stainless steel

Open-impeller centrifugal pumps. DWO pumps are particularly suitable for washing vegetables, meat, fish, shellfish. Suitable for industrial end of cycle washing systems, washing and surface finishing systems for metal parts, cans, washing systems for bottles, jars, glass containers, crates, baskets etc. Dishwashers, glasswashers, cup washers for communities, hospitals etc., spray booths, and handling, removal and transfer of liquids, including liquids containing solids.



Small dimensions



Sturdy hydraulic frame



Low noise

Materials

Pump body	AISI 304 stainless steel
Impeller	AISI 304 stainless steel
Shaft	AISI 304 stainless steel
Mechanical seal	Ceramic/Carbon/NBR (standard)
Motor support	Aluminium

Open impeller



Technical data

Max. working pressure	8 bar
Max. temperature of the liquid	-5°C ÷ +90°C for std, Q1AVGG, VAEGG, U3BEGG, Q1U3EGG, AQ1EGG versions -5°C ÷ +110°C for H, HS, HW, HSW versions
Max. solids passage size	19 mm
Poles	2
Insulation class	F
Protection degree	IP55
Voltage	Single phase 230V ±10% Three phase 230/400V ±10%

Accessories



Control panels

Page 367 - Control panels
1EP-E - QA50/B - QA60/C - SMART

Options



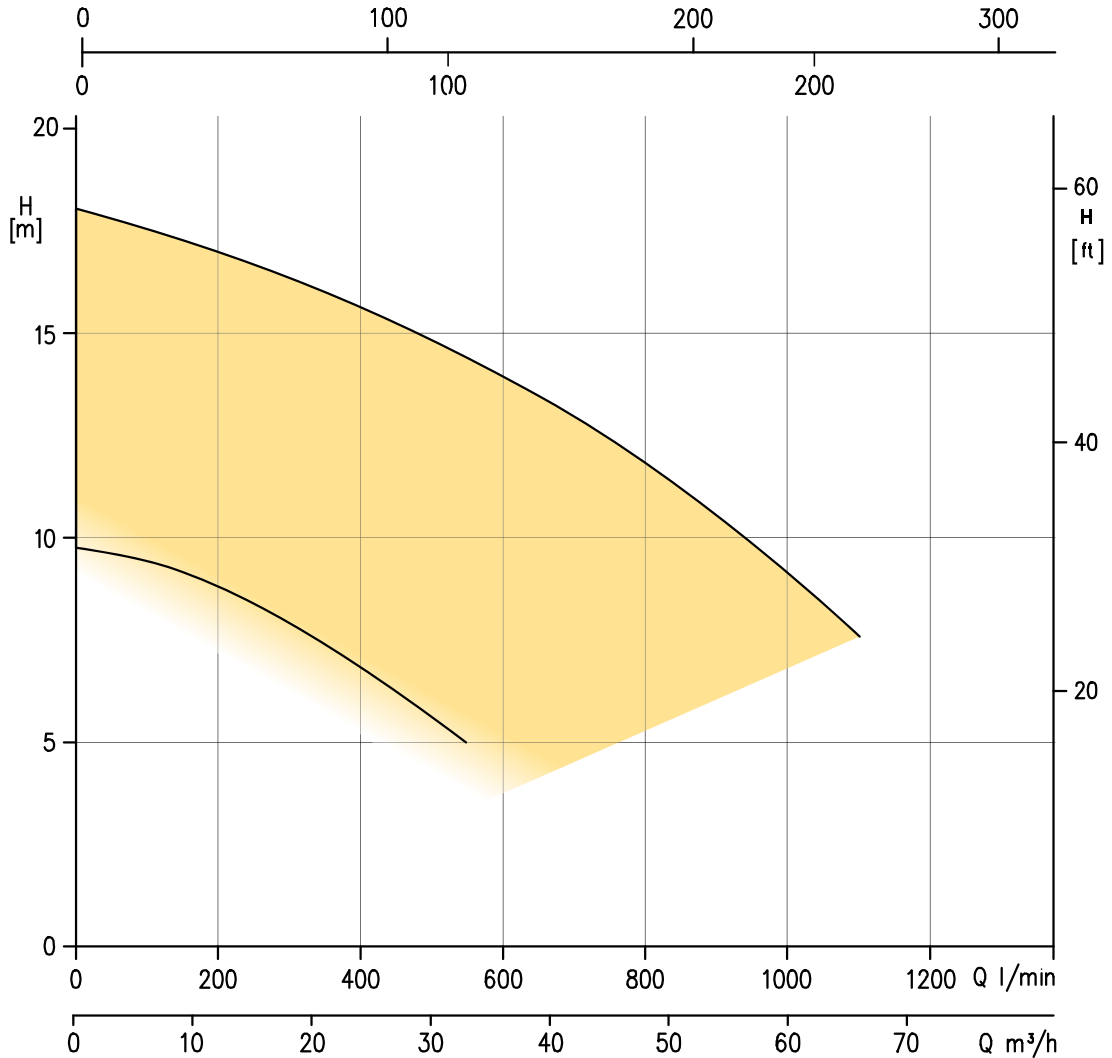
Mechanical seal

Page 391 - H, HS, HW, HSW, Q1AVGG, VAEGG, U3BEGG, Q1U3EGG, AQ1EGG

DWO



Open impeller centrifugal pumps in AISI 304 stainless steel



Single phase 230V **2 Poles**

Model	Code	HP	kW	Q=Flow rate							Abs. Curr. [A] 230V	DNA	DNM	Weight [kg]
				I/min	100	200	300	400	550	750				
				m³/h	6	12	18	24	33	42				
				H=Total head [m]										
DWO/A 150 M	1579070000A	1,5	1,1	9,5	8,9	7,9	6,9	5,1	-	6,8	G2	G2	14,4	
DWO 200 M	1579080000	2	1,5	12,7	12,3	11,5	10,5	8,6	5,8	9	G2	G2	15,7	

Three phase 230/400V **2 Poles**

Model	Code	HP	kW	Q=Flow rate								Abs. Curr. [A]		DNA	DNM	Weight [kg]
				I/min	200	300	400	550	750	950	1100	230V	400V			
				m³/h	12	18	24	33	42	57	66					
				H=Total head [m]												
DWO/I 150	1579070004I	1,5	1,1	8,9	7,9	6,9	5,1	-	-	-	5,8	3,3	G2	G2	15,4	
DWO/I 200	1579080004I	2	1,5	12,3	11,5	10,5	8,6	5,8	-	-	6,6	3,8	G2	G2	17,1	
DWO/I 300	1579100004I	3	2,2	14,5	13,8	12,9	11,7	9,7	7,5	-	8,2	4,7	G2½	G2	19,4	
DWO/I 400	1579110004I	4	3	16,9	16,3	15,6	14,3	12,4	9,8	7,6	11,1	6,4	G2½	G2	22,4	

CMR



Open impeller centrifugal pumps in cast iron

Cast iron single-impeller centrifugal pumps suitable for domestic water system boosting, small-scale irrigation, handling non-aggressive liquids for residential, commercial and industrial use, washing systems and vehicle washing. They can be installed in complex machinery for industrial use.



Available with brass impeller



Possibility to install in machinery for industrial use

Materials

Pump body	Cast iron
Impeller	Brass
Shaft	in AISI 303 (part in contact with the liquid)
Mechanical seal	Ceramic/Carbon/NBR (standard)
Motor support	Aluminium

Technical data

Max. working pressure	6 bar
Max. temperature of the liquid	90°C
MEI	> 0,4
Poles	2
Insulation class	F
Protection degree	IP44
Voltage	Single phase 230V ±10% Three phase 230/400V ±10%

Accessories



Tanks
Page 384 - 8/10 bar 5/10 litres tanks



Floats
Page 379 - Key floats with counterweight



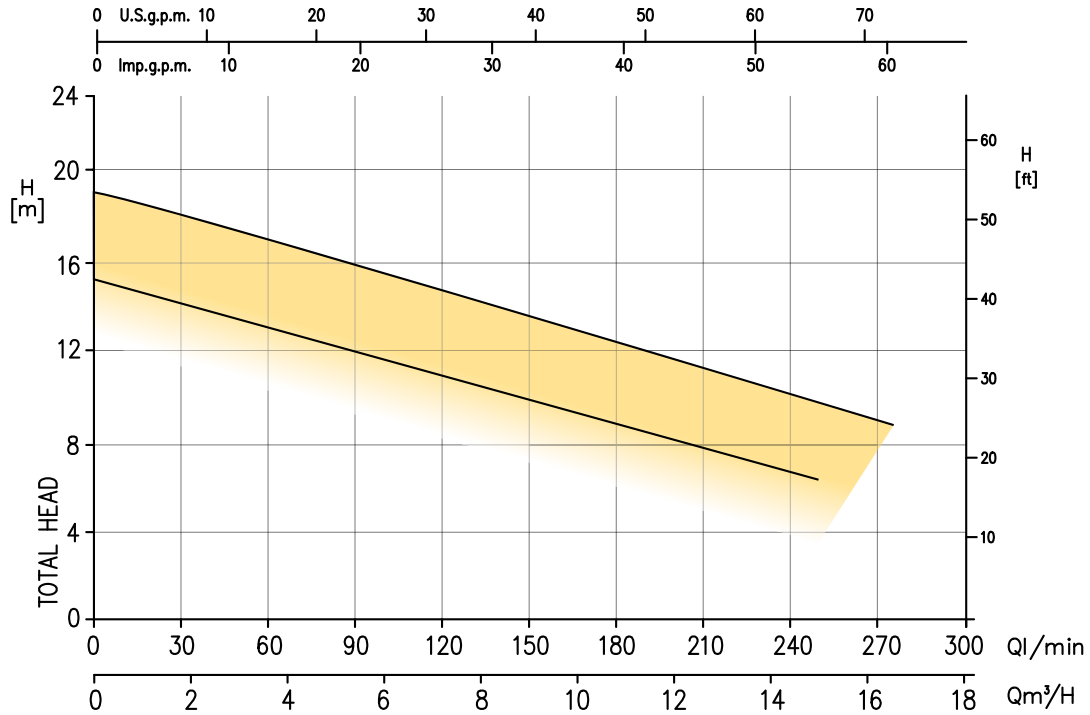
Pressure switches
Page 379 - 1,3÷12 bar pressure switches



Control panels and Control systems
Page 366 - **Presscomfort**
Pressure regulator
Page 364 - **E-power**
Variable speed control systems
Page 362 - **E-drive**
Variable speed control systems
Page 367 - **Control panels**
1EP-E - QA50/B - QA60/C - SMART

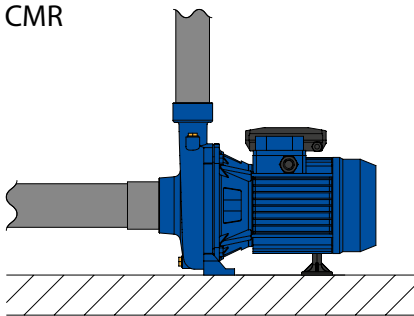
CMR

Open impeller centrifugal pumps in cast iron



Installation

CMR



CMR series centrifugal pumps, thanks to their reduced dimensions, result easy to install also in that situations where space are small or difficult to reach. Its sturdy and reliable construction, provide high performance in the application where, as a the water distribution, long - life working without a demanding maintenance is required.

Single phase 230V

2 Poles

Model	Code	HP	kW	Q=Flow rate					Abs. Curr. [A] 230V	DNA	DNM	Weight [kg]	
				l/min m³/h	50	100	200	250					275
				H=Total head [m]									
CMR 0,75 M	1200090000	0,75	0,55		13,6	11,4	8,1	6,3	-	3,8	G1½	G1½	10,7
CMR 1,00 M	1200100000	1	0,75		17,3	15,4	11,5	9,6	8,7	4,85	G1½	G1½	11,9

Three phase 230/400V

2 Poles

Model	Code	HP	kW	Q=Flow rate					Abs. Curr. [A]		DNA	DNM	Weight [kg]	
				l/min m³/h	50	100	200	250	275	230V				400V
				H=Total head [m]										
CMR 0,75 T	1200090004	0,75	0,55		13,6	11,4	8,1	6,3	-	2,8	1,6	G1½	G1½	10,7
CMR/I 1,00 T	1200100004I	1	0,75		17,3	15,4	11,5	9,6	8,7	3	1,7	G1½	G1½	12,7

SWS - SWT



Self priming pumps for swimming pool

Centrifugal self-priming electric pumps for pools. Filtration systems for private and public pools.



Large-size incorporated pre-filter



Practical and easy to use

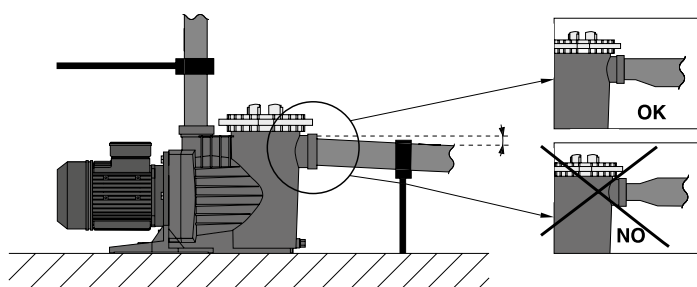


Easy maintenance

Materials

Pump body	Polypropylene reinforced with fibreglass and resistant to chemical substances
Impeller	Noryl
Shaft	AISI 316
Mechanical seal	Graphite/ceramic
Pre-filter cover	Transparent polycarbonate

Installation



Technical data

Max. ambient temperature	+40°C
Max. temperature of the liquid	+40°C
MEI	> 0,4
Poles	2
Insulation class	F
Protection degree	IP55
Connections	SWS: - 1 1/2" female thread - connection for Ø50mm PVC pipe to be glued on SWT: - 2" female thread
Voltage	Single phase 230V Three phase 230/400V (SWT only)

Accessories



Floats

Page 379 - Key floats with counterweight



Control panels and Control systems

Page 367 - Control panels

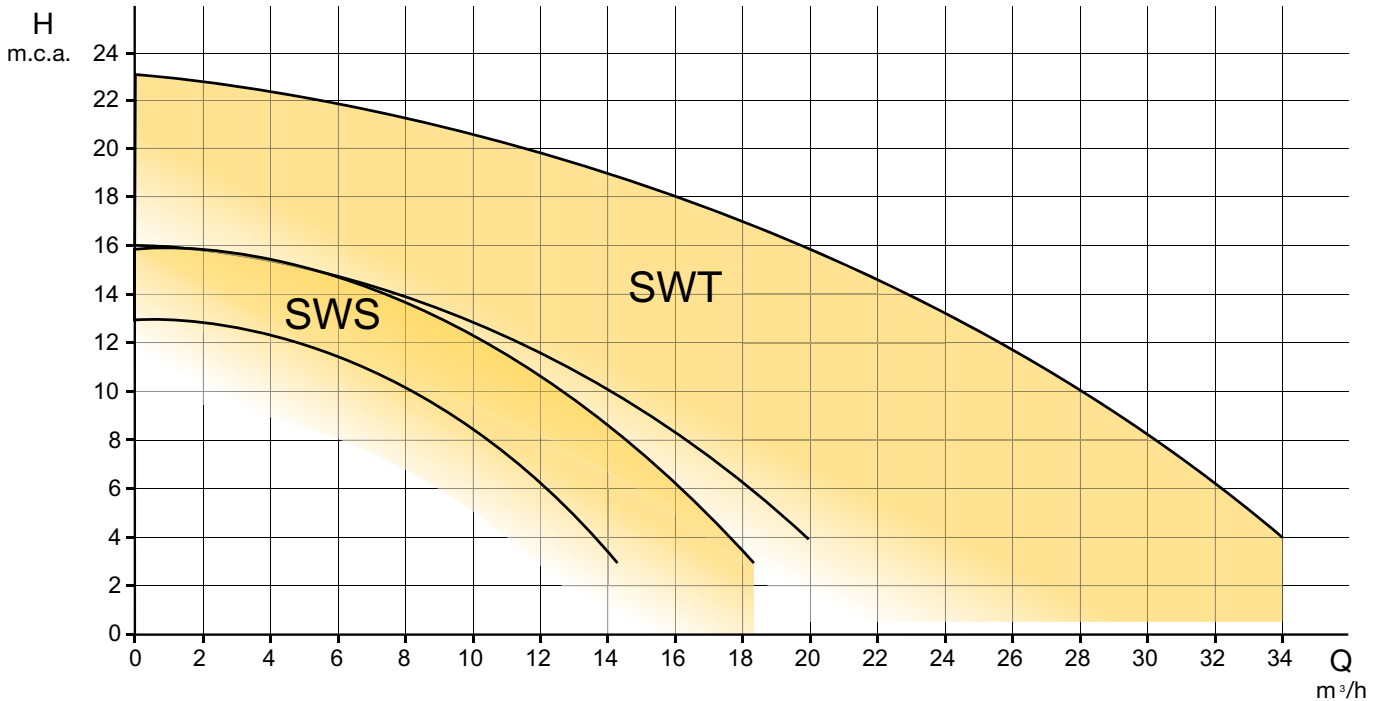
1EP-E - QA50/B - QA60/C - SMART

SWS - SWT centrifugal pumps, thanks to their reduced dimensions, result easy to install also in that situations where space are small or difficult to reach. Its sturdy and reliable construction, provide high performance in the swimming pools application, where a long - life working without a demanding maintenance is essential.

SWS - SWT



Self priming pumps for swimming pool



Single phase 230V 2 Poles

Model	Code	HP	kW	H=Total head [m]								Abs. Curr. [A] 230V	DNA	DNM	Weight [kg]
				4	6	8	10	12	14	16	20				
SWS 50 M	1542002001	0,5	0,33	14,0	12,0	10,0	7,0	5,0	-	-	-	3,5	1"½	1"½	11,6
SWS 75 M	1542002002	0,75	0,55	16,0	15,0	12,5	10,0	8,0	4,2	-	-	4,3	1"½	1"½	12,6
SWS 100 M	1542002003	1	0,75	18,0	16,0	15,3	13,0	10,5	7,6	-	-	5,5	1"½	1"½	12,6
SWT 75 M	1542002004	0,75	0,55	19,5	18,0	15,7	13,5	10,8	7,9	-	-	4,75	2"	2"	13,0
SWT 100 M	1542002006	1	0,75	23,2	21,1	19,7	18,0	15,0	12,3	8,7	-	5,5	2"	2"	14,0
SWT 150 M	1542002008	1,5	1,1	27,0	25,0	23,0	21,0	19,0	17,0	14,0	-	7,3	2"	2"	17,0
SWT 200 M	1542002010	2	1,5	30,0	28,0	26,0	24,0	21,0	18,0	14,0	-	9,2	2"	2"	18,5
SWT 300 M	1542002012	3	2,2	34,0	32,0	30,0	29,0	27,0	23,0	20,0	12,0	12,2	2"	2"	22,0

Three phase 230/400V 2 Poles

Model	Code	HP	kW	H=Total head [m]								Abs. Curr. [A]		DNA	DNM	Weight [kg]
				4	6	8	10	12	14	16	20	230V	400V			
SWT 75	1542002005	0,75	0,55	19,5	18,0	15,7	13,5	10,8	7,9	-	-	3,1	1,8	2"	2"	12,5
SWT 100	1542002007I	1	0,75	23,2	21,1	19,7	18,0	15,0	12,3	8,7	-	3,8	2,2	2"	2"	14,0
SWT 150	1542002009I	1,5	1,1	27,0	25,0	23,0	21,0	19,0	17,0	14,0	-	5	2,9	2"	2"	15,5
SWT 200	1542002011I	2	1,5	30,0	28,0	26,0	24,0	21,0	18,0	14,0	-	6	3,5	2"	2"	17,0
SWT 300	1542002013I	3	2,2	34,0	32,0	30,0	29,0	27,0	23,0	20,0	12,0	8,6	5	2"	2"	19,0

Single stage centrifugal pumps

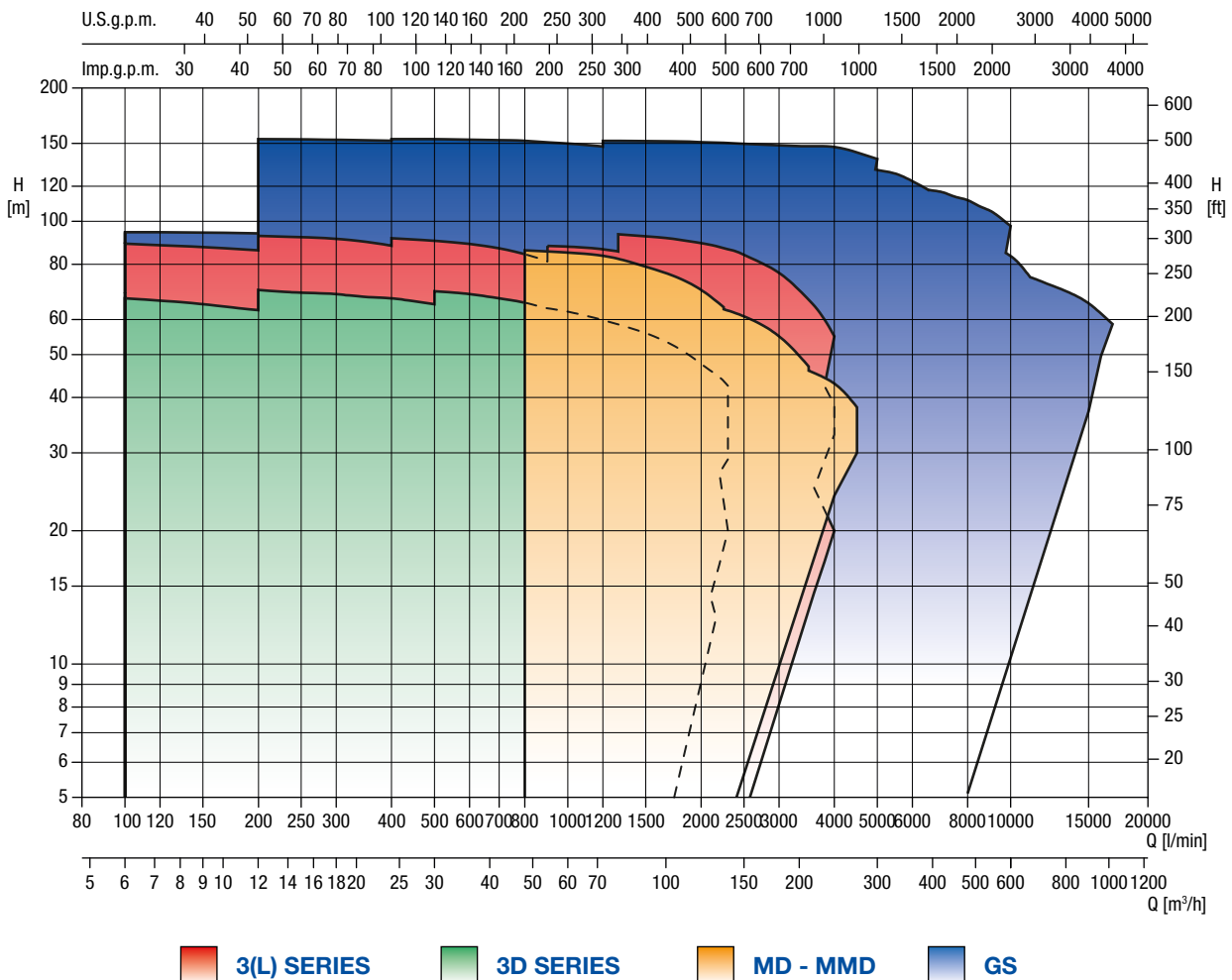
According to EN 733

SINGLE STAGE CENTRIFUGAL PUMPS

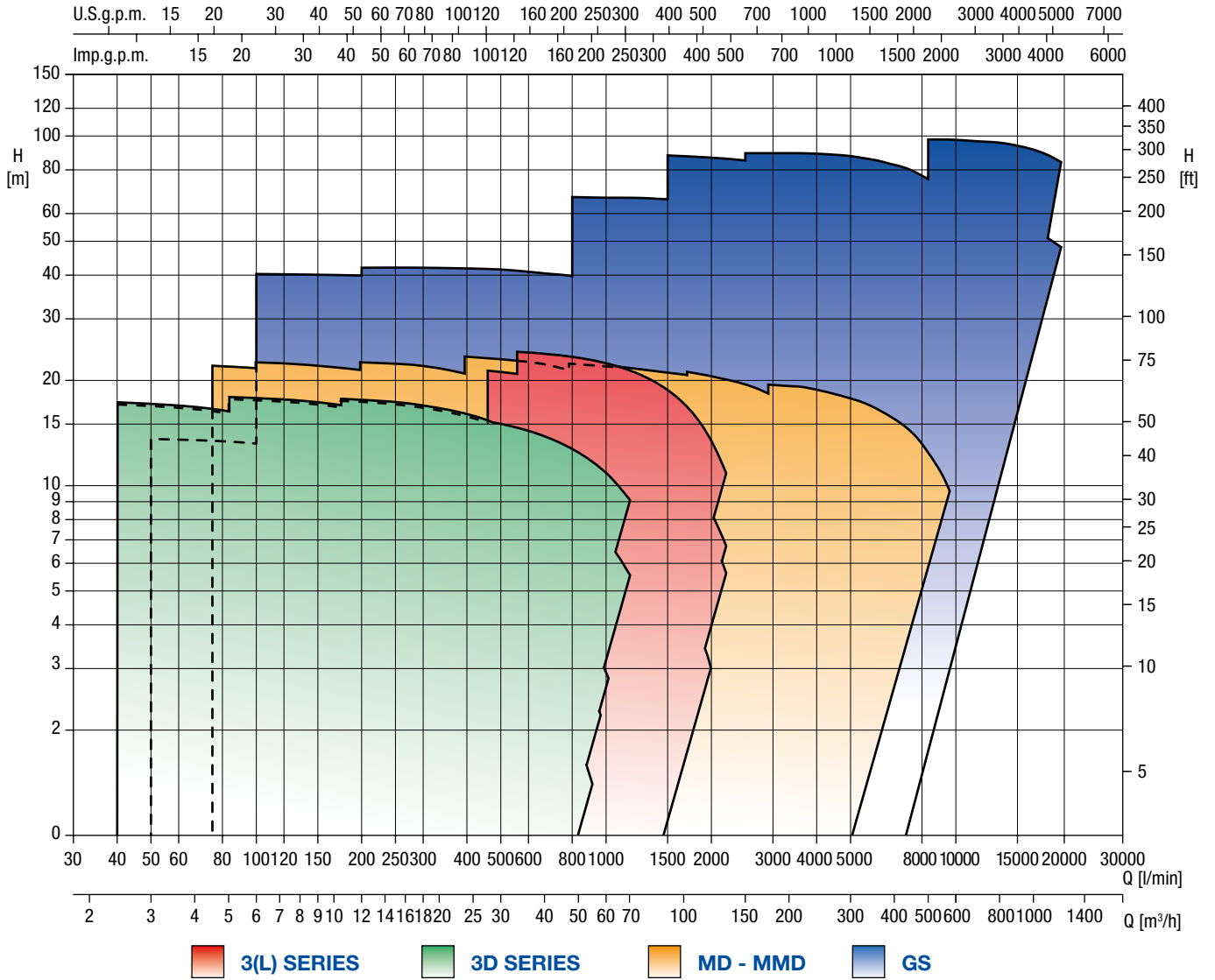
	Closed coupled motor connection 	With rigid coupling 	With flexible coupling 	Hydraulic only
AISI 304	3M SERIES	3S SERIES	3P SERIES	3PF SERIES
AISI 316L¹	3LM SERIES	3LS SERIES	3LP SERIES	3LPF SERIES
Cast iron	3D SERIES	3DS SERIES	3DP SERIES	GS
	MD - MMD		GS	

¹ AISI 316 microcasted for 3L 65-250 80-160/200/250

2 POLES



4 POLES





3M SERIES

52

Pumps with closed coupled motor (extended shaft) in AISI 304



3S SERIES

57

Pumps with IEC standard motor and rigid coupling (stub shaft) in AISI 304



3P SERIES

61

Pumps on base with IEC standard motor and flexible coupling in AISI 304



3PF SERIES

65

Pumps in AISI 304 (hydraulic only)



3LM SERIES

67

Pumps with closed coupled motor (extended shaft) in AISI 316/AISI 316L



3LS SERIES

72

Pumps with IEC standard motor and rigid coupling (stub shaft) in AISI 316/AISI 316L



3LP SERIES

78

Pumps on base with IEC standard motor and flexible coupling in AISI 316/AISI 316L



3LPF SERIES

84

Pumps in AISI 316/AISI 316L (hydraulic only)



3D SERIES - MD/MMD

86

Pumps with closed coupled motor (extended shaft) in cast iron



3DS SERIES

94

Pumps with IEC standard motor and rigid coupling (stub shaft) in cast iron



3DP SERIES

98

Pumps on base with IEC standard motor and flexible coupling in cast iron



GS Model

102

Standardised end suction pumps

3M(4) SERIES



Centrifugal pumps in AISI 304 with normalized motor

Standardized centrifugal pumps with AISI 304 stainless steel construction. Suitable for supplying water in residential, commercial, agricultural and industrial systems, pressure boosting, firefighting, heating and air-conditioning systems. Also used for handling industrial liquids, irrigation, cooling towers, swimming pools, draining and washing systems.



Available for 3ME version



Available in AISI 316



Sturdy construction



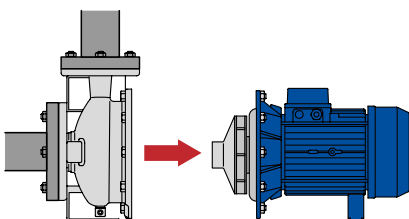
Volute obtained with hydro-forming process



High performances

Materials

Pump body	AISI 304 stainless steel
Impeller	AISI 304 stainless steel
Shaft	AISI 304 stainless steel
Mechanical seal	Ceramic/Carbon/NBR (standard)
Motor support	Aluminium - cast iron



Back pull-out

Impeller, bracket and motor can be extracted without disconnecting the pump body from the piping for any maintenance operations

Technical data

Max. working pressure	10 bar
Max. temperature of the liquid	-10°C ÷ +90°C for std, Q1AEGG, U3U3EGG, Q1Q1EGG, Q1U3EGG, U3CEGG versions -10°C ÷ +110°C for H, HS, HW, HSW versions -20°C ÷ +120°C for E version
MEI	> 0,4
Poles	2 and 4
Insulation class	F
Protection degree	IP55
Voltage	Single phase 230V ±10% Three phase 230/400V ±10% (up to 4kW included) Three phase 400/690V ±10% (from 5,5kW and above)

Accessories



Counterflanges kit

Page 389 - Galvanized, AISI 304 and AISI 316 counterflanges kit



Control systems

Page 362 - E-drive

Variable speed control systems

Page 367 - Control panels

1EP-E - QA50/B - QA60/C - SMART
- QM1 - QT1 - QS1

Options



Mechanical seal

Page 392 - H, HS, HS, HW, HSW, E, U3U3EGG, U3CEGG, Q1Q1EGG, Q1U3EGG, Q1AEGG

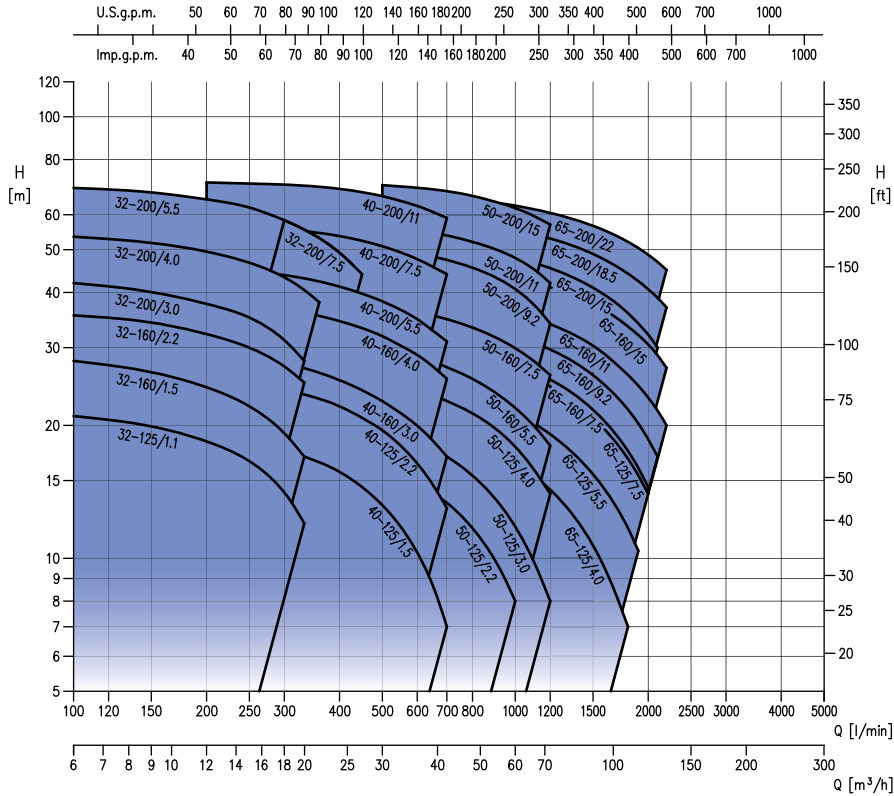
3M(4) SERIES

Centrifugal pumps in AISI 304 with normalized motor

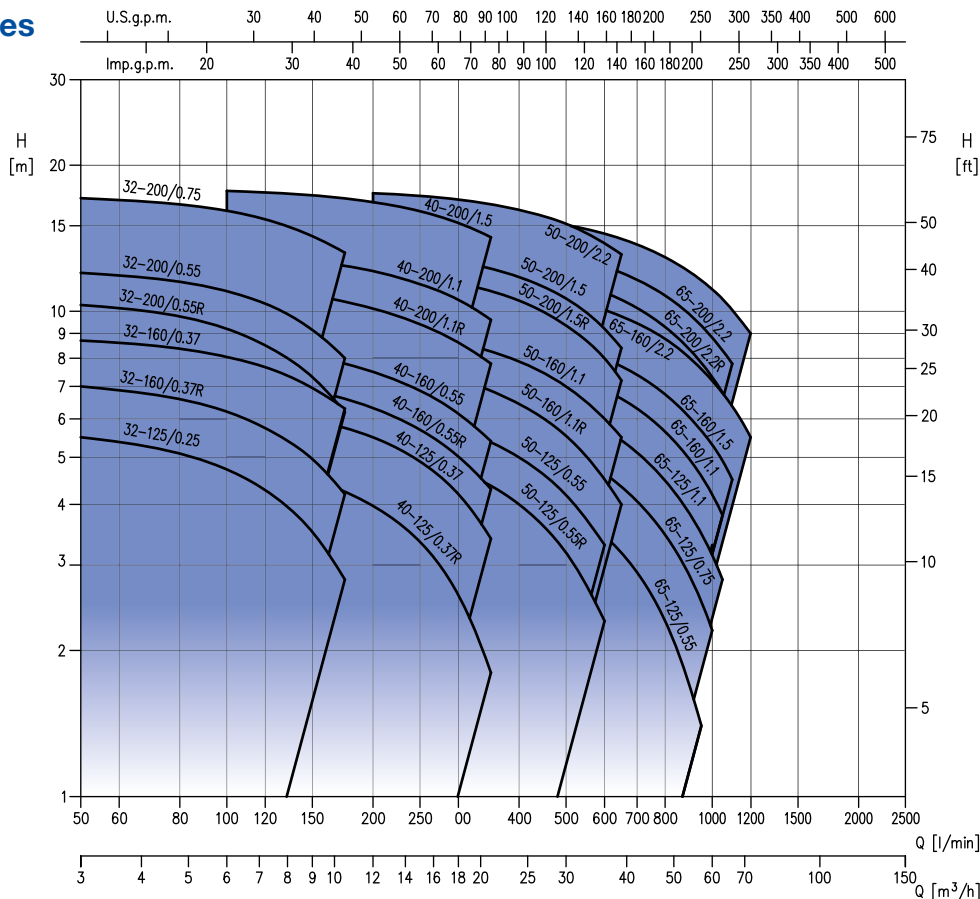


3M(4) SERIES

2 poles



4 poles



3M SERIES

Centrifugal pumps in AISI 304 with normalized motor



3M(4) SERIES

Single phase 230V													2 Poles			
Model	Code	HP	kW	Q=Flow rate									Abs. Curr. [A] 230V	DNA	DNM	Weight [kg]
				l/min	100	150	200	333	400	500	700	1000				
				m³/h	6	9	12	20	24	30	42	60				
H=Total head [m]																
3M 32-125/1,1 M	1300200000	1,5	1,1		21,0	19,9	18,4	12,0	-	-	-	-	6,7	50	32	19,6
3M 32-160/1,5 M	1300202400	2	1,5		28,0	26,5	24,5	17,0	-	-	-	9,6	50	32	22,5	
3M 32-160/2,2 M	1300300000	3	2,2		35,5	34,0	32,0	25,0	-	-	-	13,3	50	32	27,7	
3M 40-125/1,5 M	1320370000	2	1,5		-	-	19,0	17,0	15,7	13,2	7,0	9,6	65	40	20,1	
3M 40-125/2,2 M	1320270000	3	2,2		-	-	25,5	23,5	22,0	19,5	13,0	13,3	65	40	25,8	
3M 50-125/2,2 M	1330500000	3	2,2		-	-	-	-	17,5	16,3	13,4	8,0	13,3	65	50	29,4

Pumps supplied without counterflanges, see counterflanges kit on page 389
 Pumps available in AISI 316, see page 67

Three phase 230/400/690V													2 Poles						
Model	Code	HP	kW	Q=Flow rate										Abs. Curr. [A]			DNA	DNM	Weight [kg]
				l/min	100	150	200	300	400	500	600	800	1000	230V	400V	690V			
				m³/h	6	9	12	18	24	30	36	48	60						
H=Total head [m]																			
3M/I 32-125/1,1	1300200004I	1,5	1,1		21,0	19,9	18,4	14,1	-	-	-	-	-	5,8	3,3	-	50	32	24,1
3M/I 32-160/1,5	1300202404I	2	1,5		28,0	26,5	24,5	19,2	-	-	-	-	-	5,8	3,3	-	50	32	27,0
3M/I 32-160/2,2	1300300004I	3	2,2		35,5	34,0	32,0	27,0	-	-	-	-	-	8,2	4,7	-	50	32	28,0
3M/I 32-200/3,0	1310402404I	4	3		42,0	40,0	37,5	31,0	-	-	-	-	-	11,1	6,4	-	50	32	35,1
3M/I 32-200/4,0	1310550004I	5,5	4		53,5	52,0	49,5	43,5	-	-	-	-	-	15,1	8,7	-	50	32	38,2
3M/I 32-200/5,5	1310750006I	7,5	5,5		69,0	67,5	65,0	58,5	-	-	-	-	-	10,6	6,1	50	32	52,2	
3M/I 32-200/7,5	1310900004I	10	7,5		69,0	67,5	65,0	58,5	49,0	-	-	-	-	13,6	7,9	50	32	60,1	
3M/I 40-125/1,5	1320370004I	2	1,5		-	-	19,0	17,6	15,7	13,2	10,3	-	-	5,8	3,3	-	65	40	24,6
3M/I 40-125/2,2	1320270004I	3	2,2		-	-	25,5	24,0	22,0	19,5	16,4	-	-	8,2	4,7	-	65	40	26,1
3M/I 40-160/3,0	1320402404I	4	3		-	-	29,5	27,5	25,5	22,5	20,0	-	-	11,1	6,4	-	65	40	26,6
3M/I 40-160/4,0	1320550004I	5,5	4		-	-	38,5	37,0	34,5	32,0	29,0	-	-	15,1	8,7	-	65	40	40,8
3M/I 40-200/5,5	1330752404I	7,5	5,5		-	-	45,5	44,0	41,0	38,0	35,0	-	-	10,6	6,1	65	40	52,5	
3M/I 40-200/7,5	1330900004I	10	7,5		-	-	57,0	55,5	53,5	51,0	47,5	-	-	13,6	7,9	65	40	59,3	
3M/I 40-200/11	1330910006I	15	11		-	-	71,0	70,0	68,5	66,0	63,0	-	-	21,3	12,3	65	40	69,6	
3M/I 50-125/2,2	1330500004I	3	2,2		-	-	-	-	17,5	16,3	14,9	11,7	8,0	8,2	4,7	-	65	50	32,0
3M/I 50-125/3,0	1330550004I	4	3		-	-	-	-	20,5	19,6	18,4	15,4	11,8	11,1	6,4	-	65	50	30,9
3M/I 50-125/4,0	1330400004I	5,5	4		-	-	-	-	26,0	25,0	24,0	21,5	17,9	15,1	8,7	-	65	50	40,9
3M/I 50-160/5,5	1330900006I	7,5	5,5		-	-	-	-	31,0	30,0	28,5	25,5	22,0	-	10,6	6,1	65	50	46,5
3M/I 50-160/7,5	1330890006I	10	7,5		-	-	-	-	38,5	37,5	36,0	33,5	30,0	-	13,6	7,9	65	50	58,6
3M/I 50-200/9,2	1330970006I	12,5	9,2		-	-	-	-	-	50,0	49,0	45,5	40,5	-	17,2	10	65	50	63,9
3M/I 50-200/11	1330960006I	15	11		-	-	-	-	-	56,0	55,0	52,0	48,0	-	21,3	12,3	65	50	69,6
3M/I 50-200/15	1330980006I	20	15		-	-	-	-	-	70,0	69,0	66,0	62,0	-	30,0	17,3	65	50	105,1

Pumps supplied without counterflanges, see counterflanges kit on page 389
 "SCA" version with drain plug available with a 5% increase on the price list.
 Pumps available in AISI 316, see page 67

3M SERIES

Centrifugal pumps in AISI 304 with normalized motor



Three phase 230/400/690V														2 Poles					
Model	Code	HP	kW	Q=Flow rate										Abs. Curr.			DNA	DNM	Weight [kg]
				I/min	700	900	1300	1500	1700	1900	2100	2200	2300	[A]					
				m ³ /h	42	54	78	90	102	114	126	132	138	230V	400V	690V			
H=Total head [m]																			
3M/I 65-125/4,0	1344120004I	5,5	4		19,0	17,3	13,3	11,0	8,6	6,3	-	-	-	15,1	8,7	-	80	65	37,7
3M/I 65-125/5,5	1344130004I	7,5	5,5		24,0	22,2	18,0	15,7	13,3	10,8	8,0	-	-	-	10,6	6,1	80	65	48,7
3M/I 65-125/7,5	1344140004I	10	7,5		29,5	27,8	23,5	21,1	18,7	16,1	13,4	12,0	-	-	13,6	7,9	80	65	52,1
3M/I 65-160/7,5	1345140004I	10	7,5		30,0	28,6	24,8	22,5	19,9	17,1	14,2	-	-	-	13,6	7,9	80	65	55,3
3M/I 65-160/9,2	1345150004I	12,5	9,2		34,5	32,8	28,8	26,5	23,9	21,1	18,3	16,8	-	-	17,2	10	80	65	61,0
3M/I 65-160/11	1345160004I	15	11		38,5	37,1	33,1	30,9	28,4	25,8	23,0	21,5	20,0	-	21,3	12,3	80	65	67,4
3M/I 65-160/15	1345170004I	20	15		45,5	44,0	40,0	37,8	35,3	32,6	29,6	28,0	26,5	-	27,7	17,3	80	65	107,1
3M/I 65-200/15	1346170004I	20	15		51,0	49,0	44,0	41,5	38,4	35,3	31,8	30,0	-	-	27,7	17,3	80	65	110,1
3M/I 65-200/18,5	1346180004I	25	18,5		58,5	56,5	51,5	49,0	46,0	43,0	39,7	38,0	36,3	-	35	20,3	80	65	125,3
3M/I 65-200/22	1346190004I	30	22		65,5	64,0	59,5	57,0	54,0	51,0	48,0	46,5	45,0	-	39,7	23,6	80	65	136,1

Pumps supplied without counterflanges, see counterflanges kit on page 389

"SCA" version with drain plug available with a 5% increase on the price list.

Pumps available in AISI 316, see page 67

3M4 SERIES

Centrifugal pumps in AISI 304 with normalized motor (4 poles)



3M(4) SERIES

Three phase 230/400V														4 Poles						
Model	Code	HP	kW	Q=Flow rate											Abs. Curr. [A]		DNA	DNM	Weight [kg]	
				l/min	50	100	150	200	250	300	350	400	500	650	230V	400V				
				m ³ /h	3	6	9	12	15	18	21	24	30	39						
H=Total head [m]																				
3M4 32-125/0,25	1270010004	0,33	0,25		5,5	4,7	3,5	-	-	-	-	-	-	-	-	1,9	1,1	50	32	15,0
3M4 32-160/0,37R	1279020004	0,5	0,37		7,0	6,2	5,0	-	-	-	-	-	-	-	-	2,6	1,5	50	32	19,7
3M4 32-160/0,37	1270020004	0,5	0,37		8,7	8,1	7,0	-	-	-	-	-	-	-	-	2,6	1,5	50	32	19,9
3M4 32-200/0,55R	1279030004	0,75	0,55		10,3	9,2	7,3	-	-	-	-	-	-	-	-	2,6	1,5	50	32	24,5
3M4 32-200/0,55	1270030004	0,75	0,55		12,0	11,0	9,2	-	-	-	-	-	-	-	-	2,6	1,5	50	32	24,5
3M4/I 32-200/0,75	1270050004I	1	0,75		17,1	16,1	14,3	-	-	-	-	-	-	-	-	4,6	2,7	50	32	28,1
3M4 40-125/0,37R	1289020004	0,5	0,37		-	4,8	4,5	4,0	3,4	2,6	1,8	-	-	-	-	1,9	1,1	65	40	15,6
3M4 40-125/0,37	1280020004	0,5	0,37		-	6,3	6,0	5,5	4,9	4,2	3,4	-	-	-	-	1,9	1,1	65	40	15,7
3M4 40-160/0,55R	1289030004	0,75	0,55		-	7,3	6,9	6,3	5,7	5,0	4,3	-	-	-	-	2,6	1,5	65	40	20,2
3M4 40-160/0,55	1280030004	0,75	0,55		-	8,6	8,1	7,5	6,9	6,2	5,4	-	-	-	-	2,6	1,5	65	40	20,6
3M4/I 40-200/1,1R	1289070004I	1,5	1,1		-	11,2	10,8	10,1	9,4	8,6	7,8	-	-	-	-	4,6	2,7	65	40	28,5
3M4/I 40-200/1,1	1280070004I	1,5	1,1		-	13,2	12,7	12,1	11,4	10,6	9,6	-	-	-	-	4,6	2,7	65	40	28,6
3M4/I 40-200/1,5	1280080004I	2	1,5		-	17,7	17,3	16,8	16,1	15,2	14,2	-	-	-	-	6,2	3,6	65	40	30,3
3M4 50-125/0,55R	1299030004	0,75	0,55		-	-	-	5,2	5,0	4,7	4,4	4,0	3,2	-	-	2,6	1,5	65	50	20,4
3M4 50-125/0,55	1290030004	0,75	0,55		-	-	-	6,2	6,0	5,7	5,4	5,0	4,2	-	-	2,6	1,5	65	50	20,5
3M4/I 50-160/1,1R	1299070004I	1,5	1,1		-	-	-	7,8	7,6	7,2	6,9	6,4	5,5	4,0	-	4,6	2,7	65	50	28,6
3M4/I 50-160/1,1	1290070004I	1,5	1,1		-	-	-	9,1	8,9	8,6	8,3	7,9	7,0	5,5	-	4,6	2,7	65	50	28,7
3M4/I 50-200/1,5R	1299080004I	2	1,5		-	-	-	12,1	11,8	11,4	11,0	10,5	9,3	7,2	-	6,2	3,6	65	50	30,5
3M4/I 50-200/1,5	1290080004I	2	1,5		-	-	-	13,3	13,0	12,7	12,2	11,8	10,6	8,4	-	6,2	3,6	65	50	31,6
3M4/I 50-200/2,2	1290100004I	3	2,2		-	-	-	17,5	17,3	17,0	16,6	16,2	15,1	13,1	-	7,8	4,5	65	50	30,0

Pumps supplied without counterflanges, see counterflanges kit on page 389
 "SCA" version with drain plug available with a 5% increase on the price list.
 Pumps available in AISI 316, see page 67

Three phase 230/400V														4 Poles						
Model	Code	HP	kW	Q=Flow rate											Abs. Curr. [A]		DNA	DNM	Weight [kg]	
				l/min	300	350	500	600	800	1000	1050	1100	1200	230V	400V					
				m ³ /h	18	21	30	36	48	60	63	66	72							
H=Total head [m]																				
3M4 65-125/0,55	1344030004	0,75	0,55		4,8	4,6	4,0	3,5	2,3	-	-	-	-	-	-	2,6	1,5	80	65	21,9
3M4/I 65-125/0,75	1344040004I	1	0,75		6,0	5,8	5,2	4,6	3,5	2,2	-	-	-	-	-	4,6	2,7	80	65	20,0
3M4/I 65-125/1,1	1344070004I	1,5	1,1		7,2	7,0	6,3	5,7	4,5	3,2	2,8	-	-	-	-	4,6	2,7	80	65	20,0
3M4/I 65-160/1,1	1345070004I	1,5	1,1		-	8,1	7,4	6,9	5,7	4,2	3,8	-	-	-	-	4,6	2,7	80	65	28,5
3M4/I 65-160/1,5	1345080004I	2	1,5		-	9,2	8,5	8,0	6,7	5,3	4,9	4,5	-	-	-	6,2	3,6	80	65	30,0
3M4/I 65-160/2,2	1345100004I	3	2,2		-	11,3	10,6	10,1	8,8	7,2	6,8	6,4	5,5	-	-	7,8	4,5	80	65	32,0
3M4/I 65-200/2,2 R	1346100104I	3	2,2		-	12,4	11,6	10,9	9,3	7,3	6,8	-	-	-	-	7,8	4,5	80	65	30,0
3M4/I 65-200/2,2	1346100004I	3	2,2		-	13,9	13,0	12,4	10,8	8,8	8,3	7,8	-	-	-	7,8	4,5	80	65	30,0
3M4/I 65-200/3,0	1346110004I	4	3		-	15,8	15,1	14,4	12,9	11,1	10,6	10,1	9,0	-	-	11,8	6,8	80	65	38,0

Pumps supplied without counterflanges, see counterflanges kit on page 389
 "SCA" version with drain plug available with a 5% increase on the price list.
 Pumps available in AISI 316, see page 67

3S(4) SERIES



Centrifugal pumps in AISI 304 with normalized motor and rigid coupling

Standardized centrifugal pumps with AISI 304 stainless steel construction. Suitable for supplying water in residential, commercial, agricultural and industrial systems, pressure boosting, firefighting, heating and air-conditioning systems. Also used for handling industrial liquids, irrigation, cooling towers, swimming pools, draining and washing systems.



Available in AISI 316



Sturdy construction



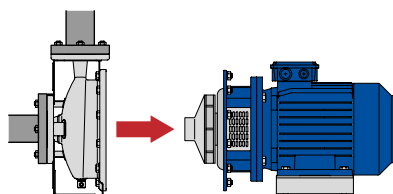
Volute obtained with hydro-forming process



High performances

Materials

Pump body	AISI 304 stainless steel
Impeller	AISI 304 stainless steel
Shaft	AISI 304 stainless steel
Mechanical seal	Ceramic/Carbon/NBR (standard)
Motor support	Cast iron



Back pull-out

Impeller, bracket and motor can be extracted without disconnecting the pump body from the piping for any maintenance operations

Technical data

Max. working pressure	10 bar
Max. temperature of the liquid	-10°C ÷ +90°C for std, Q1AEGG, U3U3EGG, Q1Q1EGG, Q1U3EGG, U3CEGG versions -10°C ÷ +110°C for H, HS, HW, HSW versions -20°C ÷ +120°C for E version
MEI	> 0,4
Poles	2 and 4
Insulation class	F
Protection degree	IP55
Voltage	Three phase 230/400V ±10% (up to 4kW included) Three phase 400/690V ±10% (from 5,5kW and above)

Accessories



Counterflanges kit

Page 389 - Galvanized, AISI 304 and AISI 316 counterflanges kit



Control systems

Page 362 - E-drive

Variable speed control systems

Page 367 - Control panels

1EP-E - QA50/B - QA60/C - SMART
- QM1 - QT1 - QS1

Options



Mechanical seal

Page 392 - H, HS, HS, HW, HSW, E, U3U3EGG, U3CEGG, Q1Q1EGG, Q1U3EGG, Q1AEGG

Standard Motors

IEC Standard motor is used.

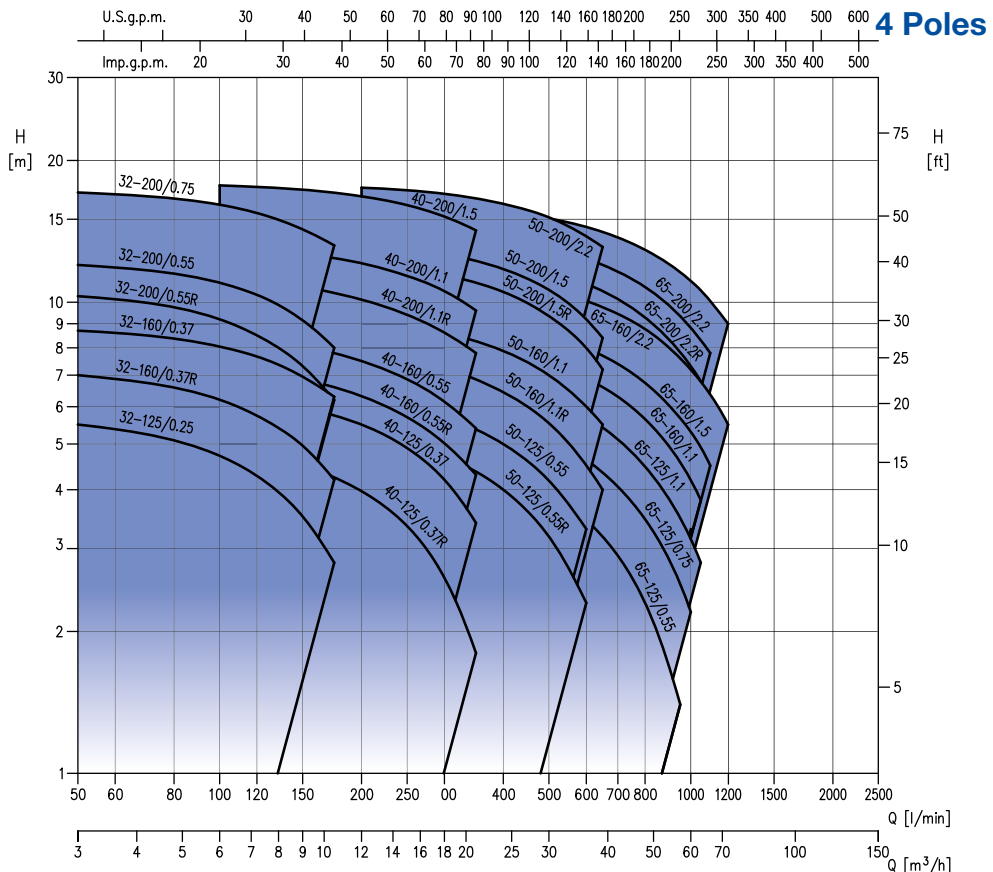
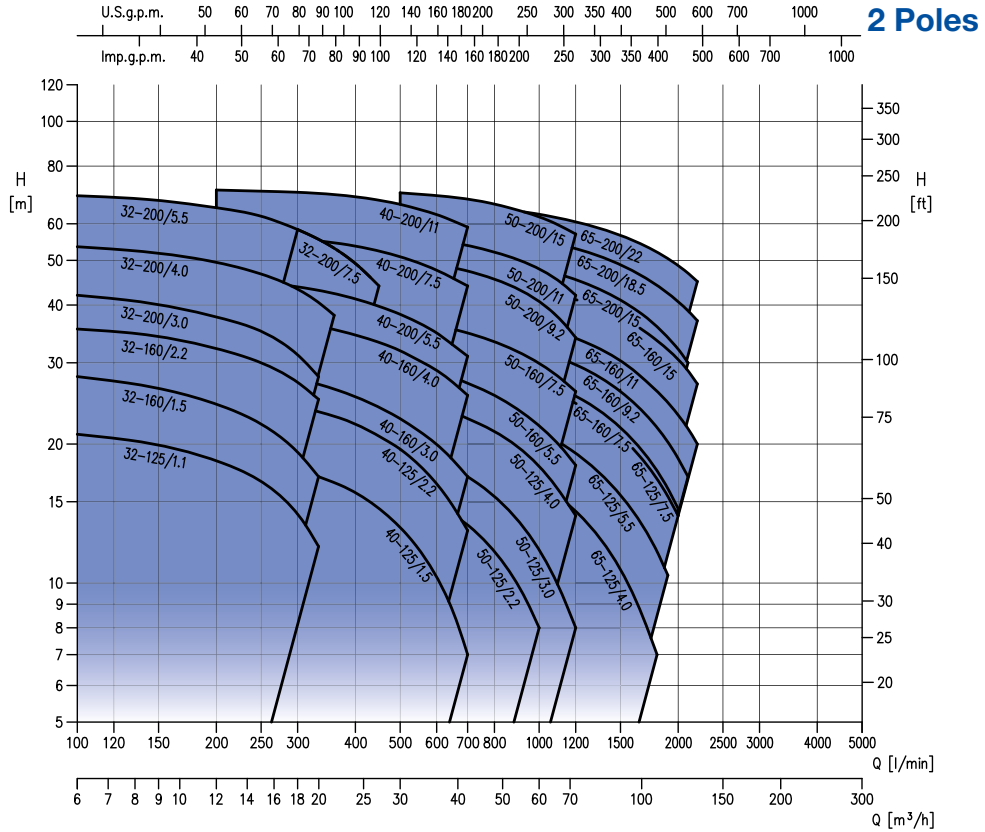
This makes easier to find a replacement motor, in case of necessity

3S(4) SERIES

Centrifugal pumps in AISI 304 with normalized motor and rigid coupling



3S(4) SERIES



3S SERIES



Centrifugal pumps in AISI 304 with normalized motor and rigid coupling

Three phase 230/400/690V																2 Poles					
Model	Code	HP	kW	Q=Flow rate												Abs. Curr. [A]			DNA	DNM	Weight [kg]
				I/min	100	200	300	360	450	600	700	800	1000	1200	230V	400V	690V				
				m³/h	6	12	18	22	27	36	42	48	60	72							
H=Total head [m]																					
3S/I 32-125/1,1	1308200004I	1,5	1,1		21,0	18,4	14,1	-	-	-	-	-	-	-	-	4,2	2,4	-	50	32	24,7
3S/I 32-160/1,5	1308202404I	2	1,5		28,0	24,5	19,2	-	-	-	-	-	-	-	-	5,2	3,0	-	50	32	29,8
3S/I 32-160/2,2	1308300004I	3	2,2		35,5	32,0	27,0	-	-	-	-	-	-	-	-	8,0	4,6	-	50	32	32,4
3S/I 32-200/3,0	1318402404I	4	3		42,0	37,5	31,0	-	-	-	-	-	-	-	-	9,7	5,6	-	50	32	46,9
3S/I 32-200/4,0	1318550004I	5,5	4		53,5	49,5	43,5	38,0	-	-	-	-	-	-	-	12,1	7,0	-	50	32	49,0
3S/I 32-200/5,5	1318750006I	7,5	5,5		69,0	65,0	58,5	-	-	-	-	-	-	-	-	-	10,0	5,8	50	32	71,8
3S/I 32-200/7,5	1318750004I	10	7,5		69,0	65,0	58,5	53,0	44,0	-	-	-	-	-	-	-	13,1	7,6	50	32	87,0
3S/I 40-125/1,5	1328370004I	2	1,5		-	19,0	17,6	16,5	14,5	10,3	7,0	-	-	-	-	5,2	3,0	-	65	40	26,5
3S/I 40-125/2,2	1328270004I	3	2,2		-	25,5	24,0	23,0	21,0	16,4	13,0	-	-	-	-	8,0	4,6	-	65	40	29,6
3S/I 40-160/3,0	1328402404I	4	3		-	29,5	27,5	26,5	24,0	20,0	17,0	-	-	-	-	9,7	5,6	-	65	40	42,5
3S/I 40-160/4,0	1328550004I	5,5	4		-	38,5	37,0	35,5	33,0	29,0	25,5	-	-	-	-	12,1	7,0	-	65	40	44,6
3S/I 40-200/5,5	1338752404I	7,5	5,5		-	45,5	44,0	42,5	39,5	35,0	31,0	-	-	-	-	-	10,0	5,8	65	40	72,2
3S/I 40-200/7,5	1338900004I	10	7,5		-	57,0	55,5	54,5	52,5	47,5	44,0	-	-	-	-	-	13,1	7,6	65	40	82,0
3S/I 40-200/11,0	1338910006I	15	11		-	71,0	70,0	69,5	67,5	63,0	59,0	-	-	-	-	-	19,7	11,4	65	40	117,8
3S/I 50-125/2,2	1338200004I	3	2,2		-	-	-	-	17,0	14,9	13,4	11,7	8,0	-	-	8,0	4,6	-	65	50	32,9
3S/I 50-125/3,0	1338550004I	4	3		-	-	-	-	20,0	18,4	17,0	15,4	11,8	8,0	-	9,7	5,6	-	65	50	35,5
3S/I 50-125/4,0	1338400004I	5,5	4		-	-	-	-	25,5	24,0	22,5	21,5	17,9	14,0	12,1	7,0	-	65	50	45,6	
3S/I 50-160/5,5	1338900006I	7,5	5,5		-	-	-	-	30,5	28,5	27,0	25,5	22,0	18,0	-	10,0	5,8	65	50	63,8	
3S/I 50-160/7,5	1338890006I	10	7,5		-	-	-	-	38,0	36,0	35,0	33,5	30,0	26,0	-	13,1	7,6	65	50	91,0	
3S/I 50-200/9,2	1338970006I	12,5	9,2		-	-	-	-	-	49,0	47,5	45,5	40,5	34,0	-	16,5	9,5	65	50	90,7	
3S/I 50-200/11,0	1338960006I	15	11		-	-	-	-	-	55,0	54,0	52,0	48,0	42,0	-	19,7	11,4	65	50	117,8	
3S/I 50-200/15,0	1338980006I	20	15		-	-	-	-	-	69,0	68,0	66,0	62,0	57,0	-	26,7	15,4	65	50	147,9	

Pumps supplied without counterflanges, see counterflanges kit on page 389
 "SCA" version with drain plug available with a 5% increase on the price list.
 "K2 SCA" version available: tropicalized motor with drain plug with 20% increase on the price list.
 Pumps available in AISI 316, see page 72
 Pump version in compliance with the 94/9/CE Directive on ATEX products (Group II, Category 2) available on request

Three phase 230/400/690V																2 Poles				
Model	Code	HP	kW	Q=Flow rate										Abs. Curr. [A]			DNA	DNM	Weight [kg]	
				I/min	700	900	1300	1500	1700	1900	2100	2200	2300	230V	400V	690V				
				m³/h	42	54	78	90	102	114	126	132	138							
H=Total head [m]																				
3S/I 65-125/4,0	1362120004I	5,5	4		19,0	17,3	13,3	11,0	8,6	6,3	-	-	-	-	12,1	7,0	-	80	65	50,1
3S/I 65-125/5,5	1362130004I	7,5	5,5		24,0	22,2	18,0	15,7	13,3	10,8	8,0	-	-	-	-	10,0	5,8	80	65	60,0
3S/I 65-125/7,5	1362140004I	10	7,5		29,5	27,8	23,5	21,1	18,7	16,1	13,4	12,0	-	-	-	13,1	7,6	80	65	79,4
3S/I 65-160/7,5	1363140004I	10	7,5		30,0	28,6	24,8	22,5	19,9	17,1	14,2	-	-	-	-	13,1	7,6	80	65	82,4
3S/I 65-160/9,2	1363150004I	12,5	9,2		34,5	32,8	28,8	26,5	23,9	21,1	18,3	16,8	-	-	-	16,5	9,5	80	65	88,0
3S/I 65-160/11,0	1363160004I	15	11		38,5	37,1	33,1	30,9	28,4	25,8	23,0	21,5	20,0	-	-	19,7	11,4	80	65	86,8
3S/I 65-160/15,0	1363170004I	20	15		45,5	44,0	40,0	37,8	35,3	32,6	29,6	28,0	26,5	-	-	26,7	15,4	80	65	120,9
3S/I 65-200/15,0	1364170004I	20	15		51,0	49,0	44,0	41,5	38,4	35,3	31,8	30,0	-	-	-	26,7	15,4	80	65	138,0
3S/I 65-200/18,5	1364180004I	25	18,5		58,5	56,5	51,5	49,0	46,0	43,0	39,7	38,0	36,3	-	-	33,0	19,1	80	65	137,0
3S/I 65-200/22,0	1364190004I	30	22		65,5	64,0	59,5	57,0	54,0	51,0	48,0	46,5	45,0	-	-	38,0	22,0	80	65	175,0

Pumps supplied without counterflanges, see counterflanges kit on page 389
 "SCA" version with drain plug available with a 5% increase on the price list.
 "K2 SCA" version available: tropicalized motor with drain plug with 20% increase on the price list.
 Pumps available in AISI 316, see page 72
 Pump version in compliance with the 94/9/CE Directive on ATEX products (Group II, Category 2) available on request

3S(4) SERIES

3S4 SERIES



Centrifugal pumps in AISI 304 with normalized motor and rigid coupling (4 poles)

3S(4) SERIES

Three phase 230/400V															4 Poles						
Model	Code	HP	kW	Q=Flow rate												Abs. Curr. [A]		DNA	DNM	Weight [kg]	
				l/min	50	100	150	200	250	300	350	400	500	650	230V	400V					
				m ³ /h	3	6	9	12	15	18	21	24	30	39							
H=Total head [m]																					
3S4 32-125/0,25	1278010004	0,33	0,25		5,5	4,7	3,5	-	-	-	-	-	-	-	-	-	1,6	0,9	50	32	15,4
3S4 32-160/0,37R	1278020104	0,5	0,37		7,0	6,2	5,0	-	-	-	-	-	-	-	-	-	2,1	1,2	50	32	18,5
3S4 32-160/0,37	1278020004	0,5	0,37		8,7	8,1	7,0	-	-	-	-	-	-	-	-	-	2,1	1,2	50	32	18,7
3S4 32-200/0,55R	1278030104	0,75	0,55		10,3	9,2	7,3	-	-	-	-	-	-	-	-	-	2,8	1,6	50	32	28,0
3S4 32-200/0,55	1278030004	0,75	0,55		12,0	11,0	9,2	-	-	-	-	-	-	-	-	-	2,8	1,6	50	32	33,0
3S4/I 32-200/0,75	1278050004I	1	0,75		17,1	16,1	14,3	-	-	-	-	-	-	-	-	-	3,1	1,8	50	32	29,5
3S4 40-125/0,37R	1288020104	0,5	0,37		-	4,8	4,5	4,0	3,4	2,6	1,8	-	-	-	-	-	2,1	1,2	65	40	16,2
3S4 40-125/0,37	1288020004	0,5	0,37		-	6,3	6,0	5,5	4,9	4,2	3,4	-	-	-	-	-	2,1	1,2	65	40	16,2
3S4 40-160/0,55R	1288030104	0,75	0,55		-	7,3	6,9	6,3	5,7	5,0	4,3	-	-	-	-	-	2,8	1,6	65	40	23,5
3S4 40-160/0,55	1288030004	0,75	0,55		-	8,6	8,1	7,5	6,9	6,2	5,4	-	-	-	-	-	2,8	1,6	65	40	23,5
3S4/I 40-200/1,1R	1288070104I	1,5	1,1		-	11,2	10,8	10,1	9,4	8,6	7,8	-	-	-	-	-	4,3	2,5	65	40	32,1
3S4/I 40-200/1,1	1288070004I	1,5	1,1		-	13,2	12,7	12,1	11,4	10,6	9,6	-	-	-	-	-	4,3	2,5	65	40	32,1
3S4/I 40-200/1,5	1288080004I	2	1,5		-	17,7	17,3	16,8	16,1	15,2	14,2	-	-	-	-	-	6,2	3,6	65	40	32,9
3S4 50-125/0,55R	1298030104	0,75	0,55		-	-	-	5,2	5,0	4,7	4,4	4,0	3,2	-	-	-	2,8	1,6	65	50	23,7
3S4 50-125/0,55	1298030004	0,75	0,55		-	-	-	6,2	6,0	5,7	5,4	5,0	4,2	-	-	-	2,8	1,6	65	50	23,7
3S4/I 50-160/1,1R	1298070104I	1,5	1,1		-	-	-	7,8	7,6	7,2	6,9	6,4	5,5	4,0	-	-	4,3	2,5	65	50	31,8
3S4/I 50-160/1,1	1298070004I	1,5	1,1		-	-	-	9,1	8,9	8,6	8,3	7,9	7,0	5,5	-	-	4,3	2,5	65	50	31,8
3S4/I 50-200/1,5R	1298080104I	2	1,5		-	-	-	12,1	11,8	11,4	11,0	10,5	9,3	7,2	-	-	6,2	3,6	65	50	34,5
3S4/I 50-200/1,5	1298080004I	2	1,5		-	-	-	13,3	13,0	12,7	12,2	11,8	10,6	8,4	-	-	6,2	3,6	65	50	34,5
3S4/I 50-200/2,2	1298100004I	3	2,2		-	-	-	17,5	17,3	17,0	16,6	16,2	15,1	13,1	-	-	10,2	5,9	65	50	43,4

Pumps supplied without counterflanges, see counterflanges kit on page 389
 "SCA" version with drain plug available with a 5% increase on the price list.
 "K2 SCA" version available: tropicalized motor with drain plug with 20% increase on the price list.
 Pumps available in AISI 316, see page 72
 Pump version in compliance with the 94/9/CE Directive on ATEX products (Group II, Category 2) available on request

Three phase 230/400V															4 Poles						
Model	Code	HP	kW	Q=Flow rate												Abs. Curr. [A]		DNA	DNM	Weight [kg]	
				l/min	300	350	500	600	800	1000	1050	1100	1200	230V	400V						
				m ³ /h	18	21	30	36	48	60	63	66	72								
H=Total head [m]																					
3S4 65-125/0,55	1362030004	0,75	0,55		4,8	4,6	4,0	3,5	2,3	-	-	-	-	-	-	-	2,8	1,6	80	65	21,5
3S4/I 65-125/0,75	1362040004I	1	0,75		6,0	5,8	5,2	4,6	3,5	2,2	-	-	-	-	-	-	3,1	1,8	80	65	30,0
3S4/I 65-125/1,1	1362070004I	1,5	1,1		7,2	7,0	6,3	5,7	4,5	3,2	2,8	-	-	-	-	-	4,3	2,5	80	65	27,8
3S4/I 65-160/1,1	1363070004I	1,5	1,1		-	8,1	7,4	6,9	5,7	4,2	3,8	-	-	-	-	-	4,3	2,5	80	65	28,8
3S4/I 65-160/1,5	1363080004I	2	1,5		-	9,2	8,5	8,0	6,7	5,3	4,9	4,5	-	-	-	-	6,2	3,6	80	65	40,4
3S4/I 65-160/2,2	1363100004I	3	2,2		-	11,3	10,6	10,1	8,8	7,2	6,8	6,4	5,5	-	-	-	10,2	5,9	80	65	46,4
3S4/I 65-200/2,2R	1364100104I	3	2,2		-	12,4	11,6	10,9	9,3	7,3	6,8	-	-	-	-	-	10,2	5,9	80	65	42,9
3S4/I 65-200/2,2	1364100004I	3	2,2		-	13,9	13,0	12,4	10,8	8,8	8,3	7,8	-	-	-	-	10,2	5,9	80	65	43,4
3S4/I 65-200/3,0	1364110004I	4	3		-	15,8	15,1	14,4	12,9	11,1	10,6	10,1	9,0	-	-	-	11,8	6,8	80	65	48,5

Pumps supplied without counterflanges, see counterflanges kit on page 389
 "SCA" version with drain plug available with a 5% increase on the price list.
 "K2 SCA" version available: tropicalized motor with drain plug with 20% increase on the price list.
 Pumps available in AISI 316, see page 72
 Pump version in compliance with the 94/9/CE Directive on ATEX products (Group II, Category 2) available on request

3P(4) SERIES



Centrifugal pumps on base with standardized motor and flexible coupling in AISI 304

Standardized centrifugal pumps with AISI 304 stainless steel construction. Suitable for supplying water in residential, commercial, agricultural and industrial systems, pressure boosting, firefighting, heating and air-conditioning systems. Also used for handling industrial liquids, irrigation, cooling towers, swimming pools, draining and washing systems.



Available in AISI 316



Sturdy construction



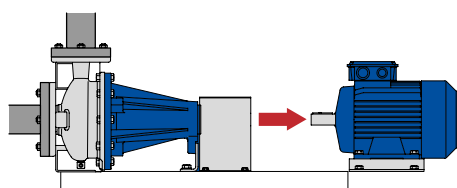
Volute obtained with hydro-forming process



High performances

Materials

Pump body	AISI 304 stainless steel
Impeller	AISI 304 stainless steel
Shaft	AISI 304 stainless steel
Mechanical seal	Ceramic/Carbon/NBR (standard)
Motor support	Cast iron



Back pull-out

Impeller, bracket and motor can be extracted without disconnecting the pump body from the piping for any maintenance operations

Technical data

Max. working pressure	10 bar
Max. temperature of the liquid	-10°C ÷ +90°C for std, Q1AEGG, U3U3EGG, Q1Q1EGG, Q1U3EGG, U3CEGG versions -10°C ÷ +110°C for H, HS, HW, HSW versions -20°C ÷ +120°C for E version
MEI	> 0,4
Poles	2 and 4
Insulation class	F
Protection degree	IP55
Voltage	Three phase 230/400V ±10% (up to 4kW included) Three phase 400/690V ±10% (from 5,5kW and above)

Accessories



Counterflanges kit
Page 389 - Galvanized, AISI 304 and AISI 316 counterflanges kit



Control systems
Page 362 - **E-drive**
Variable speed control systems
Page 367 - **Control panels**
1EP-E - QA50/B - QA60/C - SMART
- QM1 - QT1 - QS1

Options



Mechanical seal
Page 392 - H, HS, HS, HW, HSW, E, U3U3EGG, U3CEGG, Q1Q1EGG, Q1U3EGG, Q1AEGG

Standard Motors

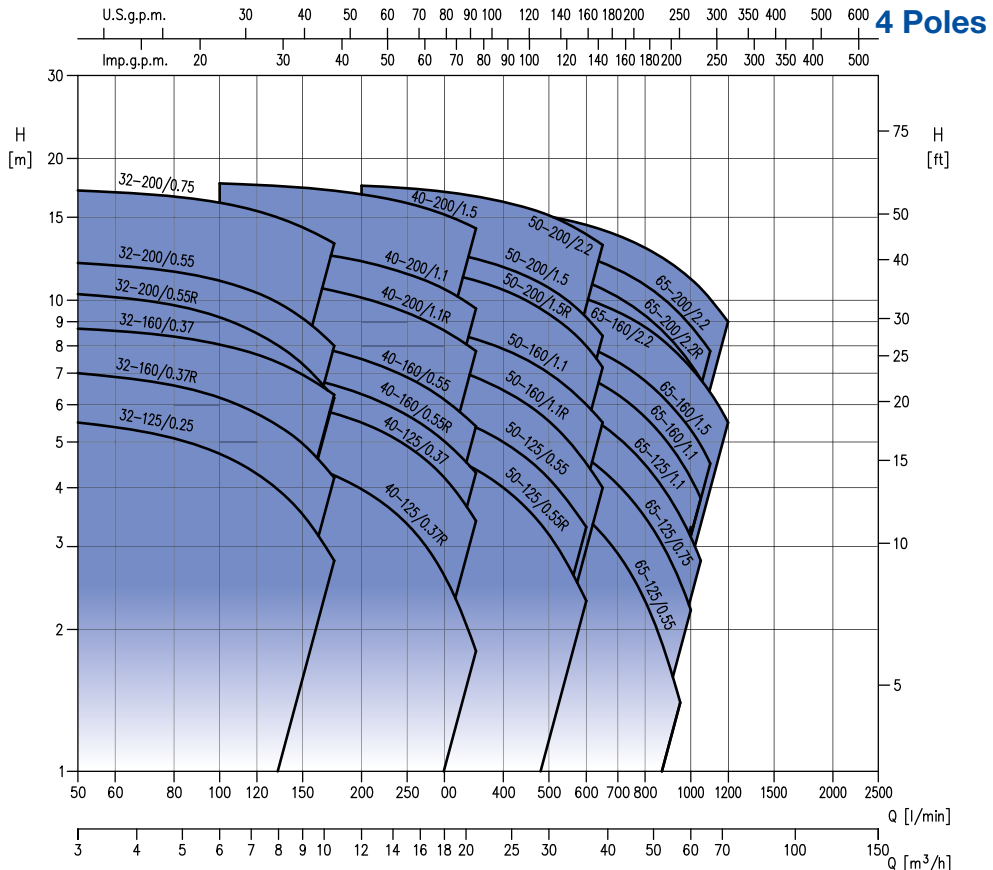
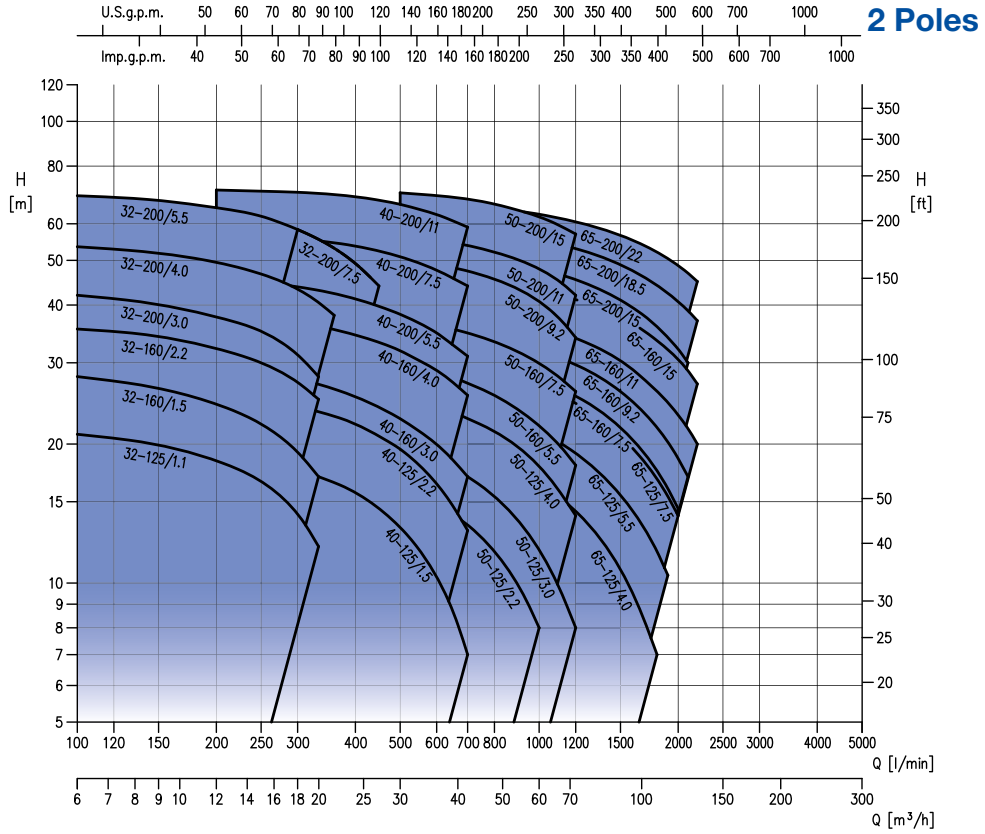
IEC Standard motor is used. This makes easier to find a replacement motor, in case of necessity

3P(4) SERIES

Centrifugal pumps on base with standardized motor and flexible coupling in AISI 304



3P(4) SERIES



3P SERIES



Centrifugal pumps on base with standardized motor and flexible coupling in AISI 304

Three phase 230/400/690V																2 Poles				
Model	Code	HP	kW	Q=Flow rate											Abs. Curr. [A]			DNA	DNM	Weight [kg]
				I/min	100	150	200	300	400	500	600	800	1000	230V	400V	690V				
				m³/h	6	9	12	18	24	30	36	48	60	H=Total head [m]						
3P/I 32-125/1,1	1848070004I	1,5	1,1		21,0	19,9	18,4	14,1	-	-	-	-	-	4,2	2,4	-	50	32	46,7	
3P/I 32-160/1,5	1848080004I	2	1,5		28,0	26,5	24,5	19,2	-	-	-	-	-	5,2	3,0	-	50	32	52,3	
3P/I 32-160/2,2	1848100004I	3	2,2		35,5	34,0	32,0	27,0	-	-	-	-	-	8,0	4,6	-	50	32	53,5	
3P/I 32-200/3,0	1848110004I	4	3		42,0	40,0	37,5	31,0	-	-	-	-	-	9,7	5,6	-	50	32	71,5	
3P/I 32-200/4,0	1848120004I	5,5	4		53,5	52,0	49,5	43,5	-	-	-	-	-	12,1	7,0	-	50	32	75,1	
3P/I 32-200/5,5	1848130004I	7,5	5,5		69,0	67,5	65,0	58,5	-	-	-	-	-	-	10,0	5,8	50	32	97,0	
3P/I 32-200/7,5	1848140004I	10	7,5		69,0	67,5	65,0	58,5	49,0	-	-	-	-	-	13,1	7,6	50	32	112,2	
3P/I 40-125/1,5	1858080004I	2	1,5		-	-	19,0	17,6	15,7	13,2	10,3	-	-	5,2	3,0	-	65	40	49,8	
3P/I 40-125/2,2	1858100004I	3	2,2		-	-	25,5	24,0	22,0	19,5	16,4	-	-	8,0	4,6	-	65	40	51,0	
3P/I 40-160/3,0	1858110004I	4	3		-	-	29,5	27,5	25,5	22,5	20,0	-	-	9,7	5,6	-	65	40	81,0	
3P/I 40-160/4,0	1858120004I	5,5	4		-	-	38,5	37,0	34,5	32,0	29,0	-	-	12,1	7,0	-	65	40	67,6	
3P/I 40-200/5,5	1858130004I	7,5	5,5		-	-	45,5	44,0	41,0	38,0	35,0	-	-	-	10,0	5,8	65	40	98,0	
3P/I 40-200/7,5	1858140004I	10	7,5		-	-	57,0	55,5	53,5	51,0	47,5	-	-	-	13,1	7,6	65	40	106,9	
3P/I 40-200/11,0	1858160004I	15	11		-	-	71,0	70,0	68,5	66,0	63,0	-	-	-	19,7	11,4	65	40	127,8	
3P/I 50-125/2,2	1868090004I	3	2,2		-	-	-	-	17,5	16,3	14,9	11,7	8,0	8,0	4,6	-	65	50	75,0	
3P/I 50-125/3,0	1868110004I	4	3		-	-	-	-	20,5	19,6	18,4	15,4	11,8	9,7	5,6	-	65	50	82,5	
3P/I 50-125/4,0	1868120004I	5,5	4		-	-	-	-	26,0	25,0	24,0	21,5	17,9	12,1	7,0	-	65	50	84,6	
3P/I 50-160/5,5	1868130004I	7,5	5,5		-	-	-	-	31,0	30,0	28,5	25,5	22,0	-	10,0	5,8	65	50	98,0	
3P/I 50-160/7,5	1868140004I	10	7,5		-	-	-	-	38,5	37,5	36,0	33,5	30,0	-	13,1	7,6	65	50	106,9	
3P/I 50-200/9,2	1868150004I	12,5	9,2		-	-	-	-	-	50,0	49,0	45,5	40,5	-	16,5	9,5	65	50	111,0	
3P/I 50-200/11,0	1868160004I	15	11		-	-	-	-	-	56,0	55,0	52,0	48,0	-	19,7	11,4	65	50	128,3	
3P/I 50-200/15,0	1868170004I	20	15		-	-	-	-	-	70,0	69,0	66,0	62,0	-	26,7	15,4	65	50	135,4	

Pumps supplied without counterflanges, see counterflanges kit on page 389
 Pumps available in AISI 316, see page 78

Three phase 230/400/690V																2 Poles				
Model	Code	HP	kW	Q=Flow rate											Abs. Curr. [A]			DNA	DNM	Weight [kg]
				I/min	700	900	1300	1500	1700	1900	2100	2200	2300	230V	400V	690V				
				m³/h	42	54	78	90	102	114	126	132	138	H=Total head [m]						
3P/I 65-125/4,0	1872120004I	5,5	4		19,0	17,3	13,3	11,0	8,6	6,3	-	-	-	12,1	7,0	-	80	65	85,1	
3P/I 65-125/5,5	1872130004I	7,5	5,5		24,0	22,2	18,0	15,7	13,3	10,8	8,0	-	-	-	10,0	5,8	80	65	99,0	
3P/I 65-125/7,5	1872140004I	10	7,5		29,5	27,8	23,5	21,1	18,7	16,1	13,4	12,0	-	-	13,1	7,6	80	65	109,4	
3P/I 65-160/7,5	1872240004I	10	7,5		30,0	28,6	24,8	22,5	19,9	17,1	14,2	-	-	-	13,1	7,6	80	65	115,4	
3P/I 65-160/9,2	1872150004I	12,5	9,2		34,5	32,8	28,8	26,5	23,9	21,1	18,3	16,8	-	-	16,5	9,5	80	65	118,0	
3P/I 65-160/11,0	1872160004I	15	11		38,5	37,1	33,1	30,9	28,4	25,8	23,0	21,5	20,0	-	19,7	11,4	80	65	124,8	
3P/I 65-160/15,0	1872170004I	20	15		45,5	44,0	40,0	37,8	35,3	32,6	29,6	28,0	26,5	-	26,7	15,4	80	65	129,0	
3P/I 65-200/15,0	1872270004I	20	15		51,0	49,0	44,0	41,5	38,4	35,3	31,8	30,0	-	-	26,7	15,4	80	65	137,0	
3P/I 65-200/18,5	1872180004I	25	18,5		58,5	56,5	51,5	49,0	46,0	43,0	39,7	38,0	36,3	-	33,0	19,1	80	65	135,2	
3P/I 65-200/22,0	1872190004I	30	22		65,5	64,0	59,5	57,0	54,0	51,0	48,0	46,5	45,0	-	38,0	22,0	80	65	189,0	

Pumps supplied without counterflanges, see counterflanges kit on page 389
 Pumps available in AISI 316, see page 78

3P(4) SERIES

3P4 SERIES



Centrifugal pumps on base with standardized motor and flexible coupling in AISI 304 (4 poles)

3P(4) SERIES

Three phase 230/400V														4 Poles						
Model	Code	HP	kW	Q=Flow rate												Abs. Curr. [A]		DNA	DNM	Weight [kg]
				l/min	50	100	150	200	250	300	350	400	500	650	230V	400V				
				m³/h	3	6	9	12	15	18	21	24	30	39						
H=Total head [m]																				
3P4 32-125/0,25	1848010004	0,33	0,25		5,5	4,7	3,5	-	-	-	-	-	-	-	-	1,6	0,9	50	32	37,0
3P4 32-160/0,37R	1849020004	0,5	0,37		7,0	6,2	5,0	-	-	-	-	-	-	-	-	2,1	1,2	50	32	41,0
3P4 32-160/0,37	1848020004	0,5	0,37		8,7	8,1	7,0	-	-	-	-	-	-	-	-	2,1	1,2	50	32	41,0
3P4 32-200/0,55R	1849030004	0,75	0,55		10,3	9,2	7,3	-	-	-	-	-	-	-	-	2,8	1,6	50	32	53,5
3P4 32-200/0,55	1848030004	0,75	0,55		12,0	11,0	9,2	-	-	-	-	-	-	-	-	2,8	1,6	50	32	53,5
3P4/I 32-200/0,75	1848050004I	1	0,75		17,1	16,1	14,3	-	-	-	-	-	-	-	-	3,1	1,8	50	32	54,5
3P4 40-125/0,37R	1859020004	0,5	0,37		-	4,8	4,5	4,0	3,4	2,6	1,8	-	-	-	-	2,1	1,2	65	40	46,5
3P4 40-125/0,37	1858020004	0,5	0,37		-	6,3	6,0	5,5	4,9	4,2	3,4	-	-	-	-	2,1	1,2	65	40	46,5
3P4 40-160/0,55R	1859030004	0,75	0,55		-	7,3	6,9	6,3	5,7	5,0	4,3	-	-	-	-	2,8	1,6	65	40	44,5
3P4 40-160/0,55	1858030004	0,75	0,55		-	8,6	8,1	7,5	6,9	6,2	5,4	-	-	-	-	2,8	1,6	65	40	44,5
3P4/I 40-200/1,1R	1859070004I	1,5	1,1		-	11,2	10,8	10,1	9,4	8,6	7,8	-	-	-	-	4,3	2,5	65	40	59,3
3P4/I 40-200/1,1	1858070004I	1,5	1,1		-	13,2	12,7	12,1	11,4	10,6	9,6	-	-	-	-	4,3	2,5	65	40	59,3
3P4/I 40-200/1,5	1859080004I	2	1,5		-	17,7	17,3	16,8	16,1	15,2	14,2	-	-	-	-	6,2	3,6	65	40	61,4
3P4 50-125/0,55R	1869030004	0,75	0,55		-	-	-	5,2	5,0	4,7	4,4	4,0	3,2	-	-	2,8	1,6	65	50	45,0
3P4 50-125/0,55	1868030004	0,75	0,55		-	-	-	6,2	6,0	5,7	5,4	5,0	4,2	-	-	2,8	1,6	65	50	45,0
3P4/I 50-160/1,1R	1869070004I	1,5	1,1		-	-	-	7,8	7,6	7,2	6,9	6,4	5,5	4,0	-	4,3	2,5	65	50	50,3
3P4/I 50-160/1,1	1868070004I	1,5	1,1		-	-	-	9,1	8,9	8,6	8,3	7,9	7,0	5,5	-	4,3	2,5	65	50	50,3
3P4/I 50-200/1,5R	1869080004I	2	1,5		-	-	-	12,1	11,8	11,4	11,0	10,5	9,3	7,2	-	6,2	3,6	65	50	61,4
3P4/I 50-200/1,5	1868080004I	2	1,5		-	-	-	13,3	13,0	12,7	12,2	11,8	10,6	8,4	-	6,2	3,6	65	50	61,4
3P4/I 50-200/2,2	1868100004I	3	2,2		-	-	-	17,5	17,3	17,0	16,6	16,2	15,1	13,1	-	10,2	5,9	65	50	70,4

Pumps supplied without counterflanges, see counterflanges kit on page 389
Pumps available in AISI 316, see page 78

Three phase 230/400V														4 Poles						
Model	Code	HP	kW	Q=Flow rate												Abs. Curr. [A]		DNA	DNM	Weight [kg]
				l/min	300	350	500	600	800	1000	1050	1100	1200	230V	400V					
				m³/h	18	21	30	36	48	60	63	66	72							
H=Total head [m]																				
3P4 65-125/0,55	1878430004	0,75	0,55		4,8	4,6	4,0	3,5	2,3	-	-	-	-	-	-	2,8	1,6	80	65	48,5
3P4/I 65-125/0,75	1878450004I	1	0,75		6,0	5,8	5,2	4,6	3,5	2,2	-	-	-	-	-	3,1	1,8	80	65	48,5
3P4/I 65-125/1,1	1878470004I	1,5	1,1		7,2	7,0	6,3	5,7	4,5	3,2	2,8	-	-	-	-	4,3	2,5	80	65	53,8
3P4/I 65-160/1,1	1877470004I	1,5	1,1		-	8,1	7,4	6,9	5,7	4,2	3,8	-	-	-	-	4,3	2,5	80	65	60,3
3P4/I 65-160/1,5	1877480004I	2	1,5		-	9,2	8,5	8,0	6,7	5,3	4,9	4,5	-	-	-	6,2	3,6	80	65	60,9
3P4/I 65-160/2,2	1877500004I	3	2,2		-	11,3	10,6	10,1	8,8	7,2	6,8	6,4	5,5	-	-	10,2	5,9	80	65	71,9
3P4/I 65-200/2,2R	1876500104I	3	2,2		-	12,4	11,6	10,9	9,3	7,3	6,8	-	-	-	-	10,2	5,9	80	65	74,4
3P4/I 65-200/2,2	1876500004I	3	2,2		-	13,9	13,0	12,4	10,8	8,8	8,3	7,8	-	-	-	10,2	5,9	80	65	74,4
3P4/I 65-200/3,0	1876510004I	4	3		-	15,8	15,1	14,4	12,9	11,1	10,6	10,1	9,0	-	-	11,8	6,8	80	65	77,5

Pumps supplied without counterflanges, see counterflanges kit on page 389
Pumps available in AISI 316, see page 78

3PF(4) SERIES



Centrifugal pumps in AISI 304 (hydraulic only)

Bare shaft pumps with AISI 304 stainless steel construction. Suitable for supplying water in residential, commercial, agricultural and industrial systems, pressure boosting, firefighting, heating and air-conditioning systems. Also used for handling industrial liquids, irrigation, cooling towers, swimming pools, draining and washing systems.



Available in AISI 316



Sturdy construction



Volute obtained with hydro-forming process



High performances

Materials

Pump body	AISI 304 stainless steel
Impeller	AISI 304 stainless steel
Shaft	AISI 304 stainless steel
Mechanical seal	Ceramic/Carbon/NBR (standard)

Technical data

Max. working pressure	10 bar
Max. temperature of the liquid	-10°C ÷ +90°C for std, Q1AEGG, U3U3EGG, Q1Q1EGG, Q1U3EGG, U3CEGG versions -10°C ÷ +110°C for H, HS, HW, HSW versions -20°C ÷ +120°C for E version
MEI	> 0,4
Poles	2 and 4
Insulation class	F
Protection degree	IP55

Accessories



Counterflanges kit

Page 389 - Galvanized, AISI 304 and AISI 316 counterflanges kit



Control systems

Page 362 - **E-drive**

Variable speed control systems

Page 367 - **Control panels**

1EP-E - QA50/B - QA60/C - SMART
- QM1 - QT1 - QS1

Options



Mechanical seal

Page 392 - H, HS, HS, HW, HSW, E, U3U3EGG, U3CEGG, Q1Q1EGG, Q1U3EGG, Q1AEGG

3PF(4) SERIES

Centrifugal pumps in AISI 304 (hydraulic only)



3PF SERIES		2 Poles
Model	Code	
3PF 32-125/1,1	1848000000	
3PF 32-160/1,5R	1848000001	
3PF 32-160/2,2	1848000002	
3PF 32-200/3,0R	1848000003	
3PF 32-200/4,0	1848000004	
3PF 32-200/5,5L	1848000005	
3PF 32-200/7,5L	1848000005	
3PF 40-125/1,5R	1858000000	
3PF 40-125/2,2	1858000001	
3PF 40-160/3,0R	1858000002	
3PF 40-160/4,0	1858000003	
3PF 40-200/5,5R	1858000004	
3PF 40-200/7,5	1858000005	
3PF 40-200/11L	1858000006	
3PF 50-125/2,2S	1868000007	
3PF 50-125/3,0R	1868000000	
3PF 50-125/4,0	1868000001	
3PF 50-160/5,5R	1868000002	
3PF 50-160/7,5	1868000003	
3PF 50-200/9,2R	1868000004	
3PF 50-200/11	1868000005	
3PF 50-200/15L	1868000006	
3PF 65-125/4,0R	1872000000	
3PF 65-125/5,5	1872000001	
3PF 65-125/7,5L	1872000002	
3PF 65-160/7,5S	1872000009	
3PF 65-160/9,2R	1872000003	
3PF 65-160/11	1872000004	
3PF 65-160/15L	1872000005	
3PF 65-200/15R	1872000006	
3PF 65-200/18,5	1872000007	
3PF 65-200/22L	1872000008	

Pumps supplied without counterflanges, see counterflanges kit on page 389
 Pumps available in AISI 316, see page 84

3PF4 SERIES		4 Poles
Model	Code	
3PF4 32-125/0,25	1848000000	
3PF4 32-160/0,37R	1848000001	
3PF4 32-160/0,37	1848000002	
3PF4 32-200/0,55R	1848000003	
3PF4 32-200/0,55	1848000004	
3PF4 32-200/0,75	1848000005	
3PF4 40-125/0,37R	1858000000	
3PF4 40-125/0,37	1858000001	
3PF4 40-160/0,55R	1858000002	
3PF4 40-160/0,55	1858000003	
3PF4 40-200/1,1R	1858000004	
3PF4 40-200/1,1	1858000005	
3PF4 40-200/1,5	1858000006	
3PF4 50-125/0,55R	1868000000	
3PF4 50-125/0,55	1868000001	
3PF4 50-160/1,1R	1868000002	
3PF4 50-160/1,1	1868000003	
3PF4 50-200/1,5R	1868000004	
3PF4 50-200/1,5	1868000005	
3PF4 50-200/2,2	1868000006	
3PF4 65-125/0,55	1872000000	
3PF4 65-125/0,75	1872000001	
3PF4 65-125/1,1	1872000002	
3PF4 65-160/1,1R	1872000003	
3PF4 65-160/1,5	1872000004	
3PF4 65-160/2,2L	1874400005	
3PF4 65-200/2,2R	1874400006	
3PF4 65-200/2,2	1874400007	
3PF4 65-200/3,0L	1874400008	

Pumps supplied without counterflanges, see counterflanges kit on page 389
 Pumps available in AISI 316, see page 84

3LM(4) SERIES



Centrifugal pumps in AISI 316 with normalized motor

Standardized centrifugal pumps with AISI 316 stainless steel construction. Suitable for supplying water in residential, commercial, agricultural and industrial systems, pressure boosting, firefighting, heating and air-conditioning systems. Also used for handling industrial liquids, irrigation, cooling towers, swimming pools, draining and washing systems.



Sturdy construction



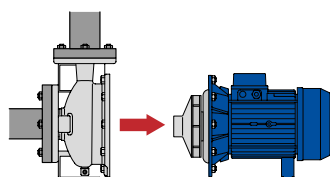
Volute obtained with hydro-forming process



High performances

Materials

Pump body	AISI 316L AISI 316 microcasted steel for 3L SERIES 65-250 80-160/200/250
Impeller	AISI 316L for 3L SERIES 32, 45, 50 AISI 316 microcasted steel for 3L SERIES 65, 80
Shaft	AISI 316L stainless steel
Mechanical seal	SiC/SiC/FPM (standard)
Motor support	Aluminium - cast iron



Back pull-out

Impeller, bracket and motor can be extracted without disconnecting the pump body from the piping for any maintenance operations

Technical data

Max. working pressure	10 bar
Max. temperature of the liquid	-10°C ÷ +90°C for std, Q1AEGG, U3U3EGG, Q1Q1EGG, Q1U3EGG, U3CEGG versions -10°C ÷ +110°C for H-HS-HW-HSW versions -20°C ÷ +120°C for E, ES versions
MEI	> 0,4
Poles	2 and 4
Insulation class	F
Protection degree	IP55
Voltage	Single phase 230V ±10% Three phase 230/400V ±10% (up to 4kW included) Three phase 400/690V ±10% (from 5,5kW and above)

Accessories



Counterflanges kit

Page 389 - Galvanized, AISI 304 and AISI 316 counterflanges kit



Control systems

Page 362 - **E-drive**

Variable speed control systems

Page 367 - **Control panels**

1EP-E - QA50/B - QA60/C - SMART
- QM1 - QT1 - QS1

Options



Mechanical seal

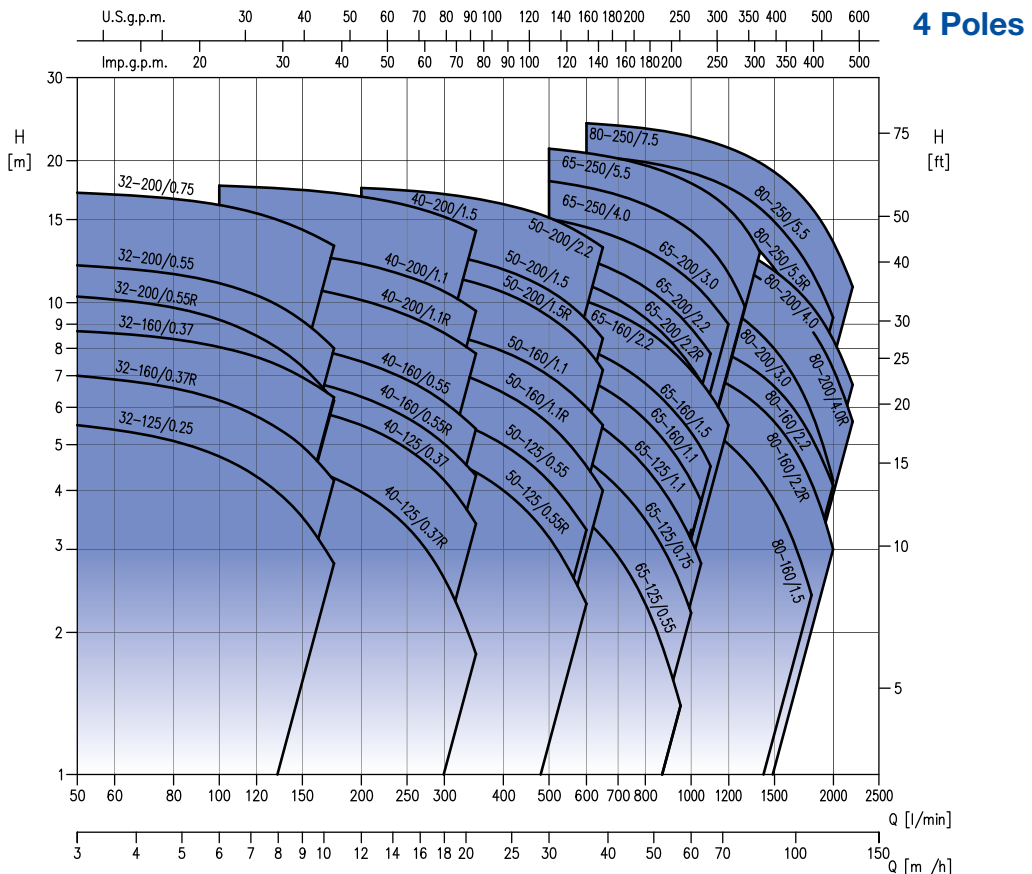
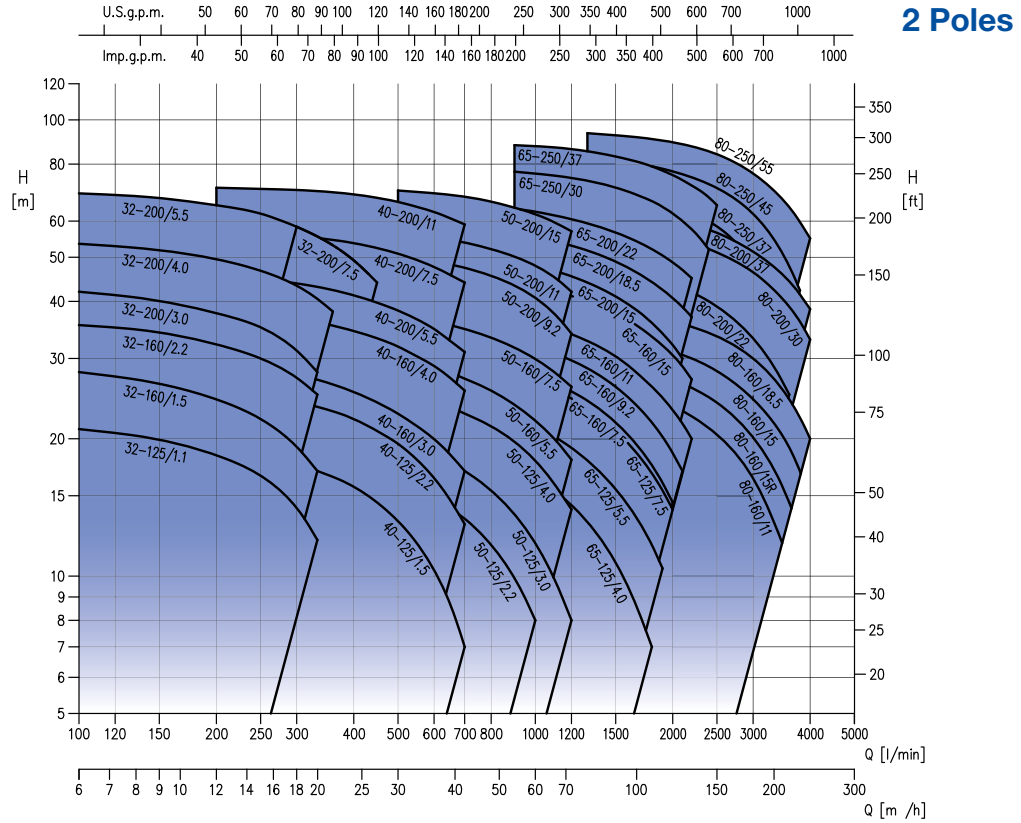
Page 392 - H, HS, HS, HW, HSW, E, ES, U3U3EGG, U3CEGG, Q1Q1EGG, Q1U3EGG, Q1AEGG

3LM(4) SERIES

Centrifugal pumps in AISI 316 with normalized motor



3LM(4) SERIES



3LM SERIES



Centrifugal pumps in AISI 316 with normalized motor

Single phase 230V													2 Poles			
Model	Code	HP	kW	Q=Flow rate									Abs. Curr. [A] 230V	DNA	DNM	Weight [kg]
				I/min	100	150	200	333	400	500	700	1000				
				m³/h	6	9	12	20	24	30	42	60				
H=Total head [m]																
3LM 32-125/1,1M	1302200000	1,5	1,1		21,0	19,9	18,4	12,0	-	-	-	-	6,7	50	32	19,6
3LM 32-160/1,5M	1302202400	2	1,5		28,0	26,5	24,5	17,0	-	-	-	-	9,6	50	32	22,5
3LM 32-160/2,2M	1302300000	3	2,2		35,5	34,0	32,0	25,0	-	-	-	-	13,3	50	32	27,7
3LM 40-125/1,5M	1322370000	2	1,5		-	-	19,0	17,0	15,7	13,2	7,0	-	9,6	65	40	20,1
3LM 40-125/2,2M	1322270000	3	2,2		-	-	25,5	23,5	22,0	19,5	13,0	-	13,3	65	40	25,8
3LM 50-125/2,2M	1332500000	3	2,2		-	-	-	-	17,5	16,3	13,4	8,0	13,3	65	50	29,4

Pumps supplied without counterflanges, see counterflanges kit on page 389

Three phase 230/400/690V													2 Poles						
Model	Code	HP	kW	Q=Flow rate									Abs. Curr. [A]			DNA	DNM	Weight [kg]	
				I/min	100	150	200	300	400	500	600	800	1000	230V	400V				690V
				m³/h	6	9	12	18	24	30	36	48	60						
H=Total head [m]																			
3LM/I 32-125/1,1	1302200004I	1,5	1,1		21,0	19,9	18,4	14,1	-	-	-	-	5,8	3,3	-	50	32	24,1	
3LM/I 32-160/1,5	1302202404I	2	1,5		28,0	26,5	24,5	19,2	-	-	-	-	5,8	3,3	-	50	32	27,0	
3LM/I 32-160/2,2	1302300004I	3	2,2		35,5	34,0	32,0	27,0	-	-	-	-	8,2	4,7	-	50	32	28,0	
3LM/I 32-200/3,0	1312402404I	4	3		42,0	40,0	37,5	31,0	-	-	-	-	11,1	6,4	-	50	32	35,1	
3LM/I 32-200/4,0	1312550004I	5,5	4		53,5	52,0	49,5	43,5	-	-	-	-	15,1	8,7	-	50	32	38,2	
3LM/I 32-200/5,5	1312750006I	7,5	5,5		69,0	67,5	65,0	58,5	-	-	-	-	-	10,6	6,1	50	32	52,2	
3LM/I 32-200/7,5	1312900004I	10	7,5		69,0	67,5	65,0	58,5	49,0	-	-	-	-	13,6	7,9	50	32	60,1	
3LM/I 40-125/1,5	1322370004I	2	1,5		-	-	19,0	17,6	15,7	13,2	10,3	-	5,8	3,3	-	65	40	24,6	
3LM/I 40-125/2,2	1322270004I	3	2,2		-	-	25,5	24,0	22,0	19,5	16,4	-	8,2	4,7	-	65	40	26,1	
3LM/I 40-160/3,0	1322402404I	4	3		-	-	29,5	27,5	25,5	22,5	20,0	-	11,1	6,4	-	65	40	26,6	
3LM/I 40-160/4,0	1322550004I	5,5	4		-	-	38,5	37,0	34,5	32,0	29,0	-	15,1	8,7	-	65	40	40,8	
3LM/I 40-200/5,5	1332752404I	7,5	5,5		-	-	45,5	44,0	41,0	38,0	35,0	-	-	10,6	6,1	65	40	52,5	
3LM/I 40-200/7,5	1332900004I	10	7,5		-	-	57,0	55,5	53,5	51,0	47,5	-	-	13,6	7,9	65	40	59,3	
3LM/I 40-200/11,0	1332910006I	15	11		-	-	71,0	70,0	68,5	66,0	63,0	-	-	21,3	12,3	65	40	69,6	
3LM/I 50-125/2,2	1332500004I	3	2,2		-	-	-	-	17,5	16,3	14,9	11,7	8,0	8,2	4,7	-	65	50	32,0
3LM/I 50-125/3,0	1332550004I	4	3		-	-	-	-	20,5	19,6	18,4	15,4	11,8	11,1	6,4	-	65	50	30,9
3LM/I 50-125/4,0	1332400004I	5,5	4		-	-	-	-	26,0	25,0	24,0	21,5	17,9	15,1	8,7	-	65	50	40,9
3LM/I 50-160/5,5	1332900006I	7,5	5,5		-	-	-	-	31,0	30,0	28,5	25,5	22,0	-	10,6	6,1	65	50	46,5
3LM/I 50-160/7,5	1332890006I	10	7,5		-	-	-	-	38,5	37,5	36,0	33,5	30,0	-	13,6	7,9	65	50	58,6
3LM/I 50-200/9,2	1332970006I	12,5	9,2		-	-	-	-	-	50,0	49,0	45,5	40,5	-	17,2	10	65	50	63,9
3LM/I 50-200/11,0	1332960006I	15	11		-	-	-	-	-	56,0	55,0	52,0	48,0	-	21,3	12,3	65	50	69,6
3LM/I 50-200/15,0	1332980006I	20	15		-	-	-	-	-	70,0	69,0	66,0	62,0	-	30,0	17,3	65	50	105,1

Pumps supplied without counterflanges, see counterflanges kit on page 389

3LM(4) SERIES

3LM SERIES



Centrifugal pumps in AISI 316 with normalized motor

3LM(4) SERIES

Three phase 230/400/690V														2 Poles						
Model	Code	HP	kW	Q=Flow rate										Abs. Curr. [A]			DNA	DNM	Weight [kg]	
				l/min	600	900	1500	1900	2200	2400	3000	3600	4000	230V	400V	690V				
				m ³ /h	36	54	90	114	132	144	180	216	240							
H=Total head [m]																				
3LM/I 65-125/4,0	1347120004I	5,5	4		19,8	17,3	11,0	6,3	-	-	-	-	-	-	15,1	8,7	-	80	65	37,7
3LM/I 65-125/5,5	1347130004I	7,5	5,5		-	22,2	15,7	10,8	-	-	-	-	-	-	-	10,6	6,1	80	65	48,7
3LM/I 65-125/7,5	1347140004I	10	7,5		-	27,8	21,1	16,1	12,0	-	-	-	-	-	-	13,6	7,9	80	65	52,1
3LM/I 65-160/7,5	1348140004I	10	7,5		-	28,6	22,5	17,1	-	-	-	-	-	-	-	13,6	7,9	80	65	55,3
3LM/I 65-160/9,2	1348150004I	12,5	9,2		-	32,8	26,5	21,1	16,8	-	-	-	-	-	-	17,2	10	80	65	61,0
3LM/I 65-160/11,0	1348160004I	15	11		-	37,1	30,9	25,8	21,5	-	-	-	-	-	-	21,3	12,3	80	65	67,4
3LM/I 65-160/15,0	1348170004I	20	15		-	44,0	37,8	32,6	28,0	-	-	-	-	-	-	27,7	17,3	80	65	107,1
3LM/I 65-200/15,0	1349170004I	20	15		-	49,0	41,5	35,3	30,0	-	-	-	-	-	-	27,7	17,3	80	65	110,1
3LM/I 65-200/18,5	1349180004I	25	18,5		-	56,5	49,0	43,0	38,0	-	-	-	-	-	-	35,0	20,3	80	65	125,3
3LM/I 65-200/22,0	1349190004I	30	22		-	64,0	57,0	51,0	46,5	-	-	-	-	-	-	39,7	23,6	80	65	136,1
3LM/I 80-160/11,0	1393160104I	15	11		-	-	26,4	24,2	22,4	21,1	16,4	-	-	-	-	21,3	12,3	100	80	100,0
3LM/I 80-160/15R	1393260104I	20	15		-	-	29,7	27,7	25,9	24,6	20,1	14,5	-	-	-	27,7	17,3	100	80	130,1
3LM/I 80-160/15,0	1393170104I	20	15		-	-	33,3	31,5	30,0	28,8	24,4	19,1	-	-	-	27,7	17,3	100	80	131,1
3LM/I 80-160/18,5	1393180104I	25	18,5		-	-	38,4	36,7	35,2	34,1	30,0	24,4	20,0	-	-	35,0	20,3	100	80	145,3

Pumps supplied without counterflanges, see counterflanges kit on page 389
 3 65-250 SERIES and 3 80 SERIES in microcasted steel
 "SCA" version with drain plug available with a 5% increase on the price list.



Z version available

3LMZ Series

Version with the casing body without the support foot and with a new foot directly mounted to the motor bracket.

This solution allows the pump to stay in limited spaces where it is not possible to connect the foot of the standard 3 Series and, most importantly, allows to connect the pump in different positions thanks to the 90 ° rotation of the foot.

3LM4 SERIES



Centrifugal pumps in AISI 316 with normalized motor (4 poles)

Three phase 230/400V														4 Poles						
Model	Code	HP	kW	Q=Flow rate												Abs. Curr. [A]		DNA	DNM	Weight [kg]
				I/min	50	100	150	200	250	300	350	400	500	650	230V	400V				
				m³/h	3	6	9	12	15	18	21	24	30	39						
H=Total head [m]																				
3LM4 32-125/0,25	1273010004	0,33	0,25		5,5	4,7	3,5	-	-	-	-	-	-	-	-	1,9	1,1	50	32	15,0
3LM4 32-160/0,37R	1274020004	0,5	0,37		7,0	6,2	5,0	-	-	-	-	-	-	-	-	2,6	1,5	50	32	19,7
3LM4 32-160/0,37	1273020004	0,5	0,37		8,7	8,1	7,0	-	-	-	-	-	-	-	-	2,6	1,5	50	32	19,9
3LM4 32-200/0,55R	1274030004	0,75	0,55		10,3	9,2	7,3	-	-	-	-	-	-	-	-	2,6	1,5	50	32	24,5
3LM4 32-200/0,55	1273030004	0,75	0,55		12,0	11,0	9,2	-	-	-	-	-	-	-	-	2,6	1,5	50	32	24,5
3LM4/I 32-200/0,75	1273050004I	1	0,75		17,1	16,1	14,3	-	-	-	-	-	-	-	-	4,6	2,7	50	32	28,1
3LM4 40-125/0,37R	1284020004	0,5	0,37		-	4,8	4,5	4,0	3,4	2,6	1,8	-	-	-	-	1,9	1,1	65	40	15,6
3LM4 40-125/0,37	1283020004	0,5	0,37		-	6,3	6,0	5,5	4,9	4,2	3,4	-	-	-	-	1,9	1,1	65	40	15,7
3LM4 40-160/0,55R	1284030004	0,75	0,55		-	7,3	6,9	6,3	5,7	5,0	4,3	-	-	-	-	2,6	1,5	65	40	20,2
3LM4 40-160/0,55	1283030004	0,75	0,55		-	8,6	8,1	7,5	6,9	6,2	5,4	-	-	-	-	2,6	1,5	65	40	20,6
3LM4/I 40-200/1,1R	1284070004I	1,5	1,1		-	11,2	10,8	10,1	9,4	8,6	7,8	-	-	-	-	4,6	2,7	65	40	28,5
3LM4/I 40-200/1,1	1283070004I	1,5	1,1		-	13,2	12,7	12,1	11,4	10,6	9,6	-	-	-	-	4,6	2,7	65	40	28,6
3LM4/I 40-200/1,5	1283080004I	2	1,5		-	17,7	17,3	16,8	16,1	15,2	14,2	-	-	-	-	6,2	3,6	65	40	30,3
3LM4 50-125/0,55R	1294030004	0,75	0,55		-	-	-	5,2	5,0	4,7	4,4	4,0	3,2	-	-	2,6	1,5	65	50	20,4
3LM4 50-125/0,55	1293030004	0,75	0,55		-	-	-	6,2	6,0	5,7	5,4	5,0	4,2	-	-	2,6	1,5	65	50	20,5
3LM4/I 50-160/1,1R	1294070004I	1,5	1,1		-	-	-	7,8	7,6	7,2	6,9	6,4	5,5	4,0	-	4,6	2,7	65	50	28,6
3LM4/I 50-160/1,1	1293070004I	1,5	1,1		-	-	-	9,1	8,9	8,6	8,3	7,9	7,0	5,5	-	4,6	2,7	65	50	28,7
3LM4/I 50-200/1,5R	1294080004I	2	1,5		-	-	-	12,1	11,8	11,4	11,0	10,5	9,3	7,2	-	6,2	3,6	65	50	30,5
3LM4/I 50-200/1,5	1293080004I	2	1,5		-	-	-	13,3	13,0	12,7	12,2	11,8	10,6	8,4	-	6,2	3,6	65	50	31,6
3LM4/I 50-200/2,2	1294010004I	3	2,2		-	-	-	17,5	17,3	17,0	16,6	16,2	15,1	13,1	-	7,8	4,5	65	50	30,0

Pumps supplied without counterflanges, see counterflanges kit on page 389
 "SCA" version with drain plug available with a 5% increase on the price list.

Three phase 230/400/690V														4 Poles							
Model	Code	HP	kW	Q=Flow rate												Abs. Curr. [A]			DNA	DNM	Weight [kg]
				I/min	300	350	500	600	800	1000	1200	1400	1800	2200	230V	400V	690V				
				m³/h	18	21	30	36	48	60	72	84	108	132							
3LM4 65-125/0,55	1341330004	0,75	0,55		4,8	4,6	4,0	3,5	2,3	-	-	-	-	-	-	2,6	1,5	-	80	65	21,9
3LM4/I 65-125/0,75	1341340004I	1	0,75		6,0	5,8	5,2	4,6	3,5	2,2	-	-	-	-	-	4,6	2,7	-	80	65	20,0
3LM4/I 65-125/1,1	1341370004I	1,5	1,1		7,2	7,0	6,3	5,7	4,5	3,2	-	-	-	-	-	4,6	2,7	-	80	65	20,0
3LM4/I 65-160/1,1	1342370004I	1,5	1,1		-	8,1	7,4	6,9	5,7	4,2	-	-	-	-	-	4,6	2,7	-	80	65	28,5
3LM4/I 65-160/1,5	1342380004I	2	1,5		-	9,2	8,5	8,0	6,7	5,3	-	-	-	-	-	6,2	3,6	-	80	65	30,0
3LM4/I 65-160/2,2	1342400004I	3	2,2		-	11,3	10,6	10,1	8,8	7,2	5,5	-	-	-	-	7,8	4,5	-	80	65	32,0
3LM4/I 65-200/2,2R	1343300104I	3	2,2		-	12,4	11,6	10,9	9,3	7,3	-	-	-	-	-	7,8	4,5	-	80	65	30,0
3LM4/I 65-200/2,2	1343300004I	3	2,2		-	13,9	13,0	12,4	10,8	8,8	-	-	-	-	-	7,8	4,5	-	80	65	30,0
3LM4/I 65-200/3,0	1343310004I	4	3		-	15,8	15,1	14,4	12,9	11,1	9,0	-	-	-	-	11,8	6,8	-	80	65	38,0
3LM4/I 65-250/4,0	1392120104I	5,5	4		-	-	18,1	17,6	16,1	14,2	11,6	-	-	-	-	14,4	8,3	-	80	65	81,0
3LM4/I 65-250/5,5	1392130104I	7,5	5,5		-	-	21,2	20,8	19,6	17,9	15,8	12,8	-	-	-	10,9	6,3	-	100	80	96,0
3LM4/I 80-160/1,5	1393080104I	2	1,5		-	-	-	6,8	6,3	5,7	5,0	4,2	2,4	-	-	6,2	3,6	-	100	80	53,0
3LM4/I 80-160/2,2R	1393900104I	3	2,2		-	-	-	8,1	7,8	7,3	6,7	6,0	4,2	-	-	7,8	4,5	-	100	80	53,0
3LM4/I 80-160/2,2	1393100104I	3	2,2		-	-	-	9,1	8,8	8,3	7,8	7,1	5,2	-	-	7,8	4,5	-	100	80	53,0
3LM4/I 80-200/3,0	1394110104I	4	3		-	-	-	12,0	11,5	10,7	9,7	8,6	5,9	-	-	11,8	6,8	-	100	80	73,0
3LM4/I 80-200/4,0R	1396130104I	5,5	4		-	-	-	14,4	13,9	13,2	12,2	11,2	8,8	5,6	-	14,4	8,3	-	100	80	80,0
3LM4/I 80-200/4,0	1394120104I	5,5	4		-	-	-	15,4	14,9	14,1	13,2	12,3	9,9	6,7	-	14,4	8,3	-	100	80	81,0
3LM4/I 80-250/5,5R	1394900104I	7,5	5,5		-	-	-	17,7	17,0	16,0	14,6	12,9	8,4	-	-	10,9	6,3	-	100	80	94,0
3LM4/I 80-250/5,5	1394130104I	7,5	5,5		-	-	-	20,5	19,9	18,9	17,6	15,9	11,7	-	-	10,9	6,3	-	100	80	95,0
3LM4/I 80-250/7,5	1394140104I	10	7,5		-	-	-	24,0	23,4	22,5	21,3	19,8	15,9	10,8	-	15,3	8,8	-	100	80	119,0

Pumps supplied without counterflanges, see counterflanges kit on page 389
 3 SERIES 65-250 and 3 SERIES 80 in microcasted steel
 "SCA" version with drain plug available with a 5% increase on the price list.

3LM(4) SERIES

3LS(4) SERIES



Centrifugal pumps in AISI 316 with normalized motor and rigid coupling

Standardized centrifugal pumps with AISI 316 stainless steel construction. Suitable for supplying water in residential, commercial, agricultural and industrial systems, pressure boosting, firefighting, heating and air-conditioning systems. Also used for handling industrial liquids, irrigation, cooling towers, swimming pools, draining and washing systems.



Sturdy construction



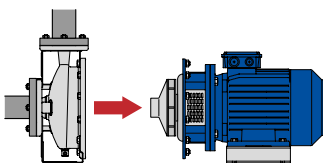
Volute obtained with hydro-forming process



High performances

Materials

Pump body	AISI 316L AISI 316 microcasted steel for 3L SERIES 65-250, 80-160/200/250
Impeller	AISI 316L for 3L SERIES 32, 45, 50 AISI 316 microcasted steel for 3L SERIES 65, 80
Shaft	AISI 316L stainless steel Duplex stainless steel for 3L SERIES 65-250, 80-200/30, 80-200/37, 80-250
Mechanical seal	SiC/SiC/FPM (standard)
Motor support	Aluminium - cast iron



Back pull-out

Impeller, bracket and motor can be extracted without disconnecting the pump body from the piping for any maintenance operations

Technical data

Max. working pressure	10 bar
Max. temperature of the liquid	-10°C ÷ +90°C for std, Q1AEGG, U3U3EGG, Q1Q1EGG, Q1U3EGG, U3CEGG versions -10°C ÷ +110°C for H-HS-HW-HSW versions -20°C ÷ +120°C for E, ES versions
MEI	> 0,4
Poles	2 and 4
Insulation class	F
Protection degree	IP55
Voltage	Three phase 230/400V ±10% (up to 4kW included) Three phase 400/690V ±10% (from 5,5kW and above)

Accessories



Counterflanges kit

Page 389 - **Galvanized, AISI 304 and AISI 316 counterflanges kit**



Control systems

Page 362 - **E-drive**

Variable speed control systems

Page 367 - **Control panels**

1EP-E - QA60/C - SMART - QT1 - QS1

Options



Mechanical seal

Page 392 - **H, HS, HS, HW, HSW, E, ES, U3U3EGG, U3CEGG, Q1Q1EGG, Q1U3EGG, Q1AEGG**

Standard Motors

IEC Standard motor is used.

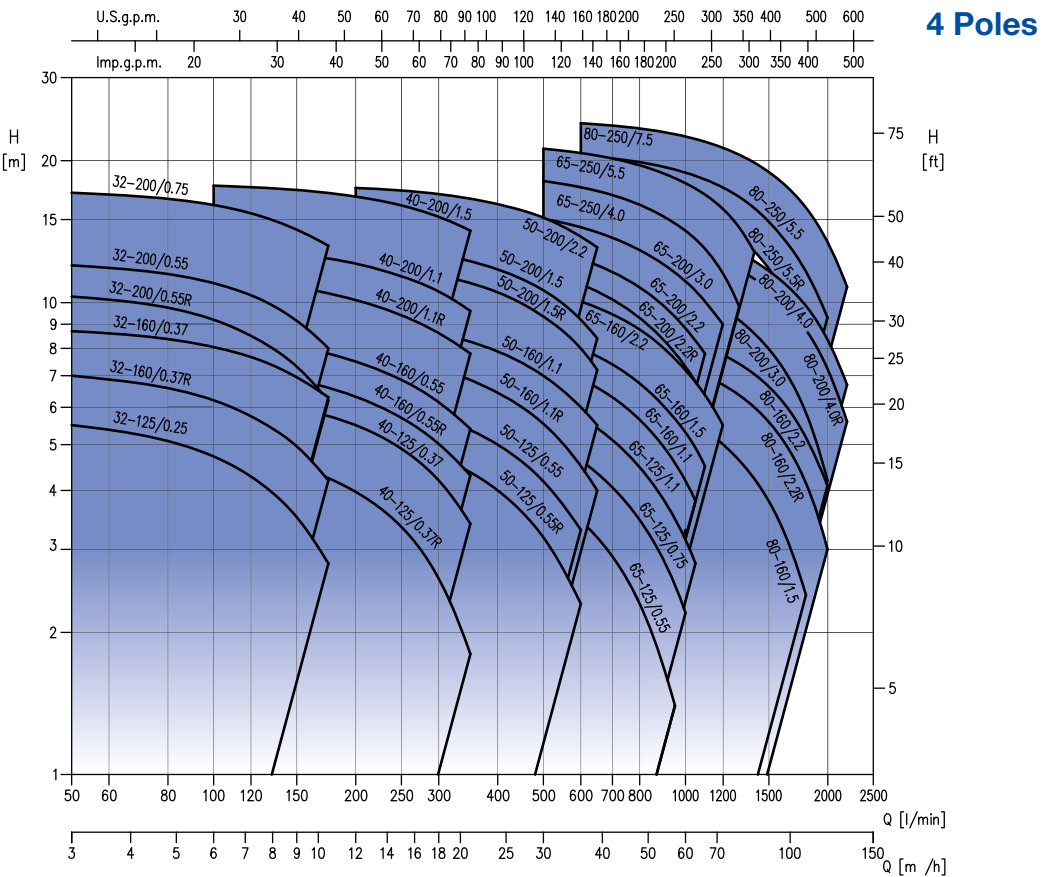
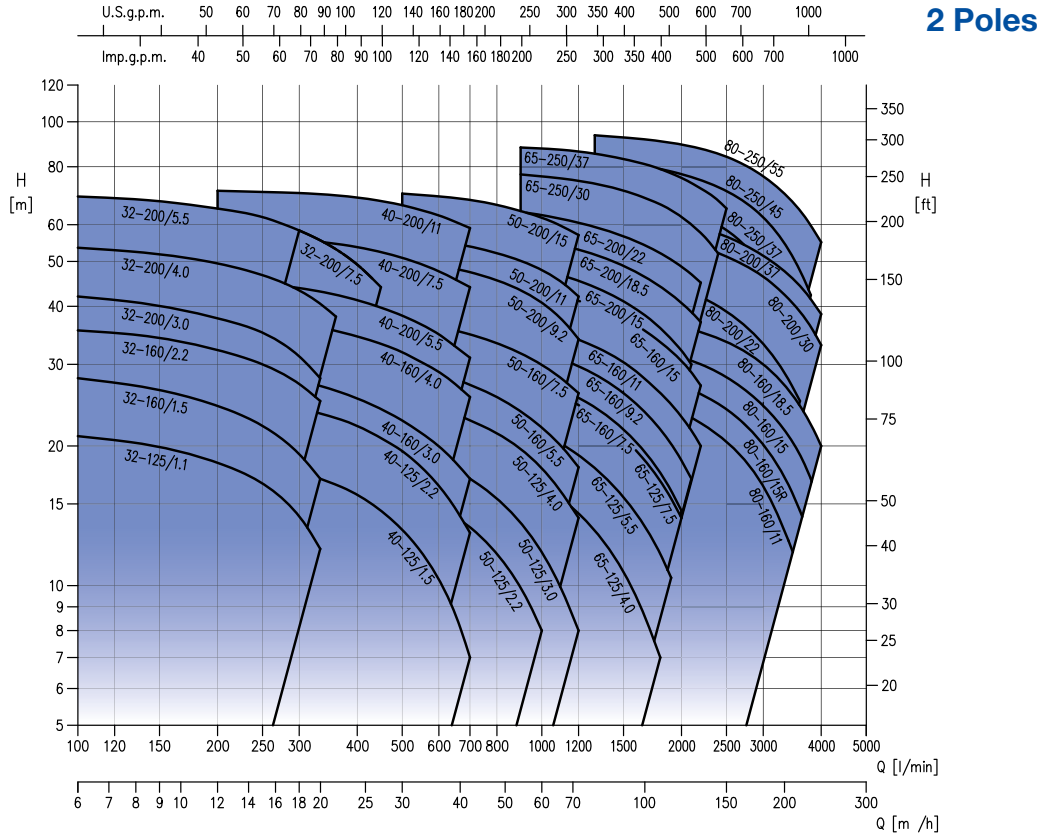
This makes easier to find a replacement motor, in case of necessity

3LS(4) SERIES

Centrifugal pumps in AISI 316 with normalized motor and rigid coupling



3LS(4) SERIES



3LS SERIES



Centrifugal pumps in AISI 316 with normalized motor and rigid coupling

3LS(4) SERIES

Three phase 230/400/690V														2 Poles							
Model	Code	HP	kW	Q=Flow rate										Abs. Curr.			DNA	DNM	Weight [kg]		
				l/min	100	200	300	360	450	600	700	800	1000	1200	[A]						
				m3/h	6	12	18	22	27	36	42	48	60	72	230V	400V				690V	
H=Total head [m]																					
3LS/I 32-125/1,1	1307200004I	1,5	1,1		21,0	18,4	14,1	-	-	-	-	-	-	-	-	4,2	2,4	-	50	32	24,7
3LS/I 32-160/1,5	1307202404I	2	1,5		28,0	24,5	19,2	-	-	-	-	-	-	-	-	5,2	3	-	50	32	29,8
3LS/I 32-160/2,2	1307300004I	3	2,2		35,5	32,0	27,0	-	-	-	-	-	-	-	-	8	4,6	-	50	32	32,4
3LS/I 32-200/3,0	1317402404I	4	3		42,0	37,5	31,0	-	-	-	-	-	-	-	-	9,7	5,6	-	50	32	46,9
3LS/I 32-200/4,0	1317550004I	5,5	4		53,5	49,5	43,5	38,0	-	-	-	-	-	-	-	12,1	7	-	50	32	49,0
3LS/I 32-200/5,5	1317750006I	7,5	5,5		69,0	65,0	58,5	-	-	-	-	-	-	-	-	-	10	5,8	50	32	71,8
3LS/I 32-200/7,5	1317750004I	10	7,5		69,0	65,0	58,5	53,0	44,0	-	-	-	-	-	-	-	13,1	7,6	50	32	87,0
3LS/I 40-125/1,5	1327370004I	2	1,5		-	19,0	17,6	16,5	14,5	10,3	7,0	-	-	-	-	5,2	3	-	65	40	26,5
3LS/I 40-125/2,2	1327270004I	3	2,2		-	25,5	24,0	23,0	21,0	16,4	13,0	-	-	-	-	8,0	4,6	-	65	40	29,6
3LS/I 40-160/3,0	1327402404I	4	3		-	29,5	27,5	26,5	24,0	20,0	17,0	-	-	-	-	9,7	5,6	-	65	40	42,5
3LS/I 40-160/4,0	1327550004I	5,5	4		-	38,5	37,0	35,5	33,0	29,0	25,5	-	-	-	-	12,1	7	-	65	40	44,6
3LS/I 40-200/5,5	1337752404I	7,5	5,5		-	45,5	44,0	42,5	39,5	35,0	31,0	-	-	-	-	-	10	5,8	65	40	72,2
3LS/I 40-200/7,5	1337900004I	10	7,5		-	57,0	55,5	54,5	52,5	47,5	44,0	-	-	-	-	-	13,1	7,6	65	40	82,0
3LS/I 40-200/11,0	1337910006I	15	11		-	71,0	70,0	69,5	67,5	63,0	59,0	-	-	-	-	-	19,7	11,4	65	40	117,8
3LS/I 50-125/2,2	1337200004I	3	2,2		-	-	-	-	17,0	14,9	13,4	11,7	8,0	-	-	8,0	4,6	-	65	50	32,9
3LS/I 50-125/3,0	1337550004I	4	3		-	-	-	-	20,0	18,4	17,0	15,4	11,8	8,0	-	9,7	5,6	-	65	50	35,5
3LS/I 50-125/4,0	1337400004I	5,5	4		-	-	-	-	25,5	24,0	22,5	21,5	17,9	14,0	-	12,1	7	-	65	50	45,6
3LS/I 50-160/5,5	1337900006I	7,5	5,5		-	-	-	-	30,5	28,5	27,0	25,5	22,0	18,0	-	-	10	5,8	65	50	63,8
3LS/I 50-160/7,5	1337890006I	10	7,5		-	-	-	-	38,0	36,0	35,0	33,5	30,0	26,0	-	-	13,1	7,6	65	50	91,0
3LS/I 50-200/9,2	1337970006I	12,5	9,2		-	-	-	-	-	49,0	47,5	45,5	40,5	34,0	-	-	16,5	9,5	65	50	90,7
3LS/I 50-200/11,0	1337960006I	15	11		-	-	-	-	-	55,0	54,0	52,0	48,0	42,0	-	-	19,7	11,4	65	50	117,8
3LS/I 50-200/15,0	1337980006I	20	15		-	-	-	-	-	69,0	68,0	66,0	62,0	57,0	-	-	26,7	15,4	65	50	147,9

Pumps supplied without counterflanges, see counterflanges kit on page 389

"SCA" version with drain plug available with a 5% increase on the price list.

"K2 SCA" version available: tropicalized motor with drain plug with 20% increase on the price list.

Pump version in compliance with the 94/9/CE Directive on ATEX products (Group II, Category 2) available on request

3LS SERIES



Centrifugal pumps in AISI 316 with normalized motor and rigid coupling

Three phase 230/400/690V															2 Poles					
Model	Code	HP	kW	Q=Flow rate										Abs. Curr.			DNA	DNM	Weight [kg]	
				l/min	600	900	1500	1900	2200	2400	3000	3600	4000	[A]						
				m ³ /h	36	54	90	114	132	144	180	216	240	230V	400V	690V				
H=Total head [m]																				
3LS/I 65-125/4,0	1365120004I	5,5	4		19,8	17,3	11,0	6,3	-	-	-	-	-	-	12,1	7	-	80	65	50,1
3LS/I 65-125/5,5	1365130004I	7,5	5,5		-	22,2	15,7	10,8	-	-	-	-	-	-	-	10	5,8	80	65	60,0
3LS/I 65-125/7,5	1365140004I	10	7,5		-	27,8	21,1	16,1	12,0	-	-	-	-	-	-	13,1	7,6	80	65	79,4
3LS/I 65-160/7,5	1366140004I	10	7,5		-	28,6	22,5	17,1	-	-	-	-	-	-	-	13,1	7,6	80	65	82,4
3LS/I 65-160/9,2	1366150004I	12,5	9,2		-	32,8	26,5	21,1	16,8	-	-	-	-	-	-	16,5	9,5	80	65	88,0
3LS/I 65-160/11	1366160004I	15	11		-	37,1	30,9	25,8	21,5	-	-	-	-	-	-	19,7	11,4	80	65	86,8
3LS/I 65-160/15	1366170004I	20	15		-	44,0	37,8	32,6	28,0	-	-	-	-	-	-	26,7	15,4	80	65	120,9
3LS/I 65-200/15	1367170004I	20	15		-	49,0	41,5	35,3	30,0	-	-	-	-	-	-	26,7	15,4	80	65	138,0
3LS/I 65-200/18,5	1367180004I	25	18,5		-	56,5	49,0	43,0	38,0	-	-	-	-	-	-	33	19,1	80	65	137,0
3LS/I 65-200/22	1367190004I	30	22		-	64,0	57,0	51,0	46,5	-	-	-	-	-	-	38	22	80	65	175,0
3LS/I 65-250/30	1395200104I	40	30		-	77,0	71,0	64,5	57,5	52,0	-	-	-	-	-	51,8	30	80	65	303,0
3LS/I 65-250/37	1395250104I	50	37		-	88,0	83,0	77,5	72,0	67,5	-	-	-	-	-	62,5	36	80	65	320,0
3LS/I 80-160/11	1396160104I	15	11		-	-	26,4	24,2	22,4	21,1	16,4	-	-	-	-	19,7	11,4	100	80	145,8
3LS/I 80-160/15R	1396150104I	20	15		-	-	29,7	27,7	25,9	24,6	20,1	14,5	-	-	-	26,7	15,4	100	80	157,0
3LS/I 80-160/15	1396170104I	20	15		-	-	33,3	31,5	30,0	28,8	24,4	19,1	-	-	-	26,7	15,4	100	80	157,0
3LS/I 80-160/18,5	1396180104I	25	18,5		-	-	38,4	36,7	35,2	34,1	30,0	24,4	20,0	-	-	33	19,1	100	80	151,2
3LS/I 80-200/22	1397190104I	30	22		-	-	47,0	44,5	42,0	40,0	33,2	25,0	-	-	-	38	22	100	80	207,0
3LS/I 80-200/30	1397200104I	40	30		-	-	58,0	56,0	54,0	52,0	46,5	39,0	33,0	-	-	51,8	30	100	80	306,0
3LS/I 80-200/37	1397250104I	50	37		-	-	63,0	61,0	59,0	57,5	51,5	44,5	38,5	-	-	62,5	36	100	80	325,0
3LS/I 80-250/37	1398250104I	50	37		-	-	70,5	66,5	63,0	60,0	48,5	-	-	-	-	62,5	36	100	80	335,0
3LS/I 80-250/45	1398300104I	60	45		-	-	81,5	78,0	75,0	72,5	62,0	48,0	-	-	-	74,5	43	100	80	401,0
3LS/I 80-250/55	1398350104I	75	55		-	-	92,5	90,0	87,5	85,5	76,5	64,5	55,0	-	-	93,5	54	100	80	489,0

Pumps supplied without counterflanges, see counterflanges kit on page 389

"SCA" version with drain plug available with a 5% increase on the price list.

"K2 SCA" version available: tropicalized motor with drain plug with 20% increase on the price list.

3 SERIES 65-250 and 3 SERIES 80 in microcasted steel

Pump version in compliance with the 94/9/CE Directive on ATEX products (Group II, Category 2) available on request



Z version available

3LSZ Series

Version with the casing body without the support foot and with a new foot directly mounted to the motor bracket.

This solution allows the pump to stay in limited spaces where it is not possible to connect the foot of the standard 3 Series and, most importantly, allows to connect the pump in different positions thanks to the 90 ° rotation of the foot.

3LS4 SERIES



Centrifugal pumps in AISI 316 with normalized motor and rigid coupling (4 poles)

3LS(4) SERIES

Three phase 230/400V															4 Poles						
Model	Code	HP	kW	Q=Flow rate												Abs. Curr.		DNA	DNM	Weight [kg]	
				I/min	50	100	150	200	250	300	350	400	500	650	[A]						
				m ³ /h	3	6	9	12	15	18	21	24	30	39	230V	400V					
H=Total head [m]																					
3LS4 32-125/0,25	1277010004	0,33	0,25		5,5	4,7	3,5	-	-	-	-	-	-	-	-	-	1,6	0,9	50	32	15,4
3LS4 32-160/0,37R	1277020104	0,5	0,37		7,0	6,2	5,0	-	-	-	-	-	-	-	-	-	2,1	1,2	50	32	18,5
3LS4 32-160/0,37	1277020004	0,5	0,37		8,7	8,1	7,0	-	-	-	-	-	-	-	-	-	2,1	1,2	50	32	18,7
3LS4 32-200/0,55R	1277030104	0,75	0,55		10,3	9,2	7,3	-	-	-	-	-	-	-	-	-	2,8	1,6	50	32	28,0
3LS4 32-200/0,55	1277030004	0,75	0,55		12,0	11,0	9,2	-	-	-	-	-	-	-	-	-	2,8	1,6	50	32	33,0
3LS4/I 32-200/0,75	1277050004I	1	0,75		17,1	16,1	14,3	-	-	-	-	-	-	-	-	-	3,1	1,8	50	32	29,5
3LS4 40-125/0,37R	1287020104	0,5	0,37		-	4,8	4,5	4,0	3,4	2,6	1,8	-	-	-	-	-	2,1	1,2	65	40	16,2
3LS4 40-125/0,37	1287020004	0,5	0,37		-	6,3	6,0	5,5	4,9	4,2	3,4	-	-	-	-	-	2,1	1,2	65	40	16,2
3LS4 40-160/0,55R	1287030104	0,75	0,55		-	7,3	6,9	6,3	5,7	5,0	4,3	-	-	-	-	-	2,8	1,6	65	40	23,5
3LS4 40-160/0,55	1287030004	0,75	0,55		-	8,6	8,1	7,5	6,9	6,2	5,4	-	-	-	-	-	2,8	1,6	65	40	23,5
3LS4/I 40-200/1,1R	1287070104I	1,5	1,1		-	11,2	10,8	10,1	9,4	8,6	7,8	-	-	-	-	-	4,3	2,5	65	40	32,1
3LS4/I 40-200/1,1	1287070004I	1,5	1,1		-	13,2	12,7	12,1	11,4	10,6	9,6	-	-	-	-	-	4,3	2,5	65	40	32,1
3LS4/I 40-200/1,5	1287080004I	2	1,5		-	17,7	17,3	16,8	16,1	15,2	14,2	-	-	-	-	-	6,2	3,6	65	40	32,9
3LS4 50-125/0,55R	1297030104	0,75	0,55		-	-	-	5,2	5,0	4,7	4,4	4,0	3,2	-	-	-	2,8	1,6	65	50	23,7
3LS4 50-125/0,55	1297030004	0,75	0,55		-	-	-	6,2	6,0	5,7	5,4	5,0	4,2	-	-	-	2,8	1,6	65	50	23,7
3LS4/I 50-160/1,1R	1297070104I	1,5	1,1		-	-	-	7,8	7,6	7,2	6,9	6,4	5,5	4,0	-	-	4,3	2,5	65	50	31,8
3LS4/I 50-160/1,1	1297070004I	1,5	1,1		-	-	-	9,1	8,9	8,6	8,3	7,9	7,0	5,5	-	-	4,3	2,5	65	50	31,8
3LS4/I 50-200/1,5R	1297080104I	2	1,5		-	-	-	12,1	11,8	11,4	11,0	10,5	9,3	7,2	-	-	6,2	3,6	65	50	34,5
3LS4/I 50-200/1,5	1297080004I	2	1,5		-	-	-	13,3	13,0	12,7	12,2	11,8	10,6	8,4	-	-	6,2	3,6	65	50	34,5
3LS4/I 50-200/2,2	1297100004I	3	2,2		-	-	-	17,5	17,3	17,0	16,6	16,2	15,1	13,1	-	-	10,2	5,9	65	50	43,4

Pumps supplied without counterflanges, see counterflanges kit on page 389

"SCA" version with drain plug available with a 5% increase on the price list.

"K2 SCA" version available: tropicalized motor with drain plug with 20% increase on the price list.

Pump version in compliance with the 94/9/CE Directive on ATEX products (Group II, Category 2) available on request

3LS4 SERIES



Centrifugal pumps in AISI 316 with normalized motor and rigid coupling (4 poles)

Three phase 230/400/690V														4 Poles							
Model	Code	HP	kW													Abs. Curr. [A]			DNA	DNM	Weight [kg]
				l/min	300	350	500	600	800	1000	1200	1400	1800	2200	230V	400V	690V				
				m³/h	18	21	30	36	48	60	72	84	108	132							
3LS4 65-125/0,55	1351330004	0,75	0,55		4,8	4,6	4,0	3,5	2,3	-	-	-	-	-	2,8	1,6	-	80	65	21,5	
3LS4/I 65-125/0,75	1351340004	1	0,75		6,0	5,8	5,2	4,6	3,5	2,2	-	-	-	-	3,1	1,8	-	80	65	30,0	
3LS4/I 65-125/1,1	1351370004	1,5	1,1		7,2	7,0	6,3	5,7	4,5	3,2	-	-	-	-	4,3	2,5	-	80	65	27,8	
3LS4/I 65-160/1,1	1352370004	1,5	1,1		-	8,1	7,4	6,9	5,7	4,2	-	-	-	-	4,3	2,5	-	80	65	28,8	
3LS4/I 65-160/1,5	1352380004	2	1,5		-	9,2	8,5	8,0	6,7	5,3	-	-	-	-	6,2	3,6	-	80	65	40,4	
3LS4/I 65-160/2,2	1352400004	3	2,2		-	11,3	10,6	10,1	8,8	7,2	5,5	-	-	-	10,2	5,9	-	80	65	46,4	
3LS4/I 65-200/2,2R	1353400104	3	2,2		-	12,4	11,6	10,9	9,3	7,3	-	-	-	-	10,2	5,9	-	80	65	42,9	
3LS4/I 65-200/2,2	1353400004	3	2,2		-	13,9	13,0	12,4	10,8	8,8	-	-	-	-	10,2	5,9	-	80	65	43,4	
3LS4/I 65-200/3,0	1353420004	4	3		-	15,8	15,1	14,4	12,9	11,1	9,0	-	-	-	11,8	6,8	-	80	65	48,5	
3LS4/I 65-250/4,0	1395120104	5,5	4		-	-	18,1	17,6	16,1	14,2	11,6	-	-	-	14,2	8,2	-	80	65	90,6	
3LS4/I 65-250/5,5	1395130104	7,5	5,5		-	-	21,2	20,8	19,6	17,9	15,8	12,8	-	-	-	10,6	6,1	100	80	118,0	
3LS4/I 80-160/1,5	1396080104	2	1,5		-	-	-	6,8	6,3	5,7	5,0	4,2	2,4	-	6,2	3,6	-	100	80	57,9	
3LS4/I 80-160/2,2R	1396900104	3	2,2		-	-	-	8,1	7,8	7,3	6,7	6,0	4,2	-	10,2	5,9	-	100	80	70,1	
3LS4/I 80-160/2,2	1396100104	3	2,2		-	-	-	9,1	8,8	8,3	7,8	7,1	5,2	-	10,2	5,9	-	100	80	70,4	
3LS4/I 80-200/3,0	1397110104	4	3		-	-	-	12,0	11,5	10,7	9,7	8,6	5,9	-	11,8	6,8	-	100	80	80,0	
3LS4/I 80-200/4R	1397130104	5,5	4		-	-	-	14,4	13,9	13,2	12,2	11,2	8,8	5,6	14,2	8,2	-	100	80	89,6	
3LS4/I 80-200/4,0	1397120104	5,5	4		-	-	-	15,4	14,9	14,1	13,2	12,3	9,9	6,7	14,2	8,2	-	100	80	95,6	
3LS4/I 80-250/5,5R	1398900104	7,5	5,5		-	-	-	17,7	17,0	16,0	14,6	12,9	8,4	-	-	10,6	6,1	100	80	124,0	
3LS4/I 80-250/5,5	1398130104	7,5	5,5		-	-	-	20,5	19,9	18,9	17,6	15,9	11,7	-	-	10,6	6,1	100	80	125,0	
3LS4/I 80-250/7,5	1398140104	10	7,5		-	-	-	24,0	23,4	22,5	21,3	19,8	15,9	10,8	-	15,3	8,8	100	80	134,0	

Pumps supplied without counterflanges, see counterflanges kit on page 389

"SCA" version with drain plug available with a 5% increase on the price list.

"K2 SCA" version available: tropicalized motor with drain plug with 20% increase on the price list.

3 SERIES 65-250 and 3 SERIES 80 in microcasted steel

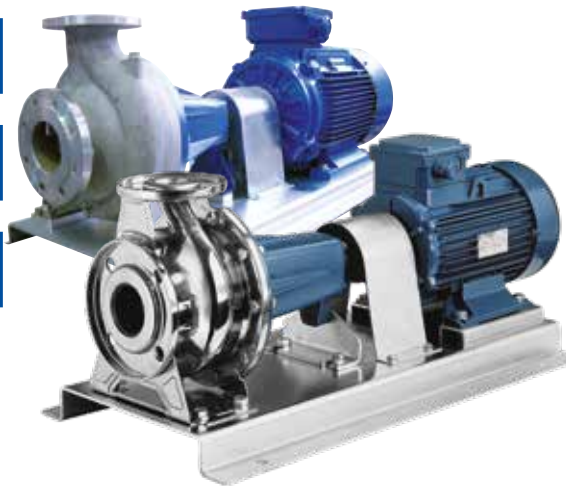
Pump version in compliance with the 94/9/CE Directive on ATEX products (Group II, Category 2) available on request

3LP(4) SERIES



Centrifugal pumps in AISI 316 on base with standardized motor and flexible coupling

Standardized centrifugal pumps with AISI 316 stainless steel construction. Suitable for supplying water in residential, commercial, agricultural and industrial systems, pressure boosting, firefighting, heating and air-conditioning systems. Also used for handling industrial liquids, irrigation, cooling towers, swimming pools, draining and washing systems.



Sturdy construction



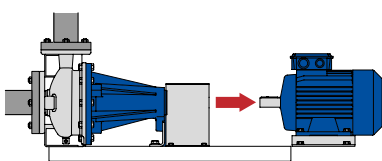
Volute obtained with hydro-forming process



High performances

Materials

Pump body	- AISI 316L - AISI 316 microcasted steel for 3L SERIES 65-250, 80-160/200/250
Impeller	- AISI 316L for 3L SERIES 32, 45, 50 - AISI 316 microcasted steel for 3L SERIES 65, 80
Shaft	- AISI 316L stainless steel - Duplex stainless steel for 3L SERIES 65-250, 80-200/30, 80-200/37, 80-250
Mechanical seal	SiC/SiC/FPM (standard)
Motor support	Aluminium - cast iron



Back pull-out

Impeller, bracket and motor can be extracted without disconnecting the pump body from the piping for any maintenance operations

Technical data

Max. working pressure	10 bar
Max. temperature of the liquid	-10°C ÷ +90°C for std, Q1AEGG, U3U3EGG, Q1Q1EGG, Q1U3EGG, U3CEGG versions -10°C ÷ +110°C for H-HS-HW-HSW versions -20°C ÷ +120°C for E, ES versions
MEI	> 0,4
Poles	2 and 4
Insulation class	F
Protection degree	IP55
Voltage	Three phase 230/400V ±10% (up to 4kW included) Three phase 400/690V ±10% (from 5,5kW and above)

Accessories



Counterflanges kit

Page 389 - Galvanized, AISI 304 and AISI 316 counterflanges kit



Control systems

Page 362 - **E-drive**

Variable speed control systems

Page 367 - **Control panels**

1EP-E - QA60/C - SMART - QT1 - QS1

Options



Mechanical seal

Page 392 - H, HS, HS, HW, HSW, E, ES, U3U3EGG, U3CEGG, Q1Q1EGG, Q1U3EGG, Q1AEGG

Standard Motors

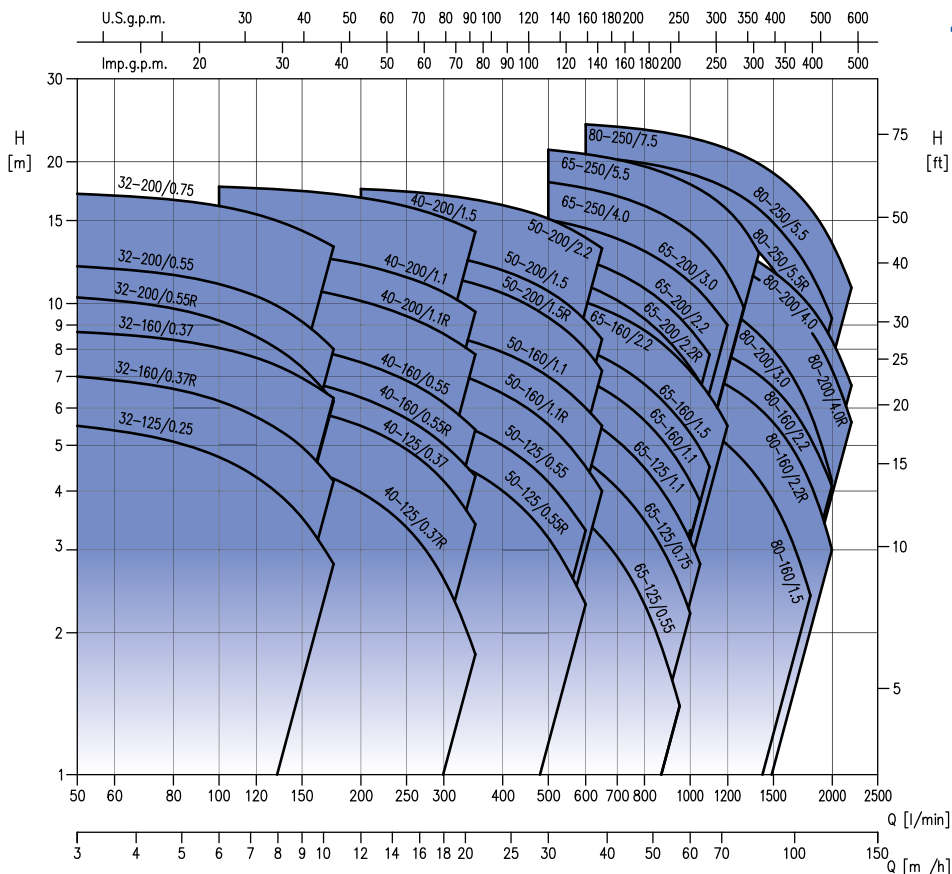
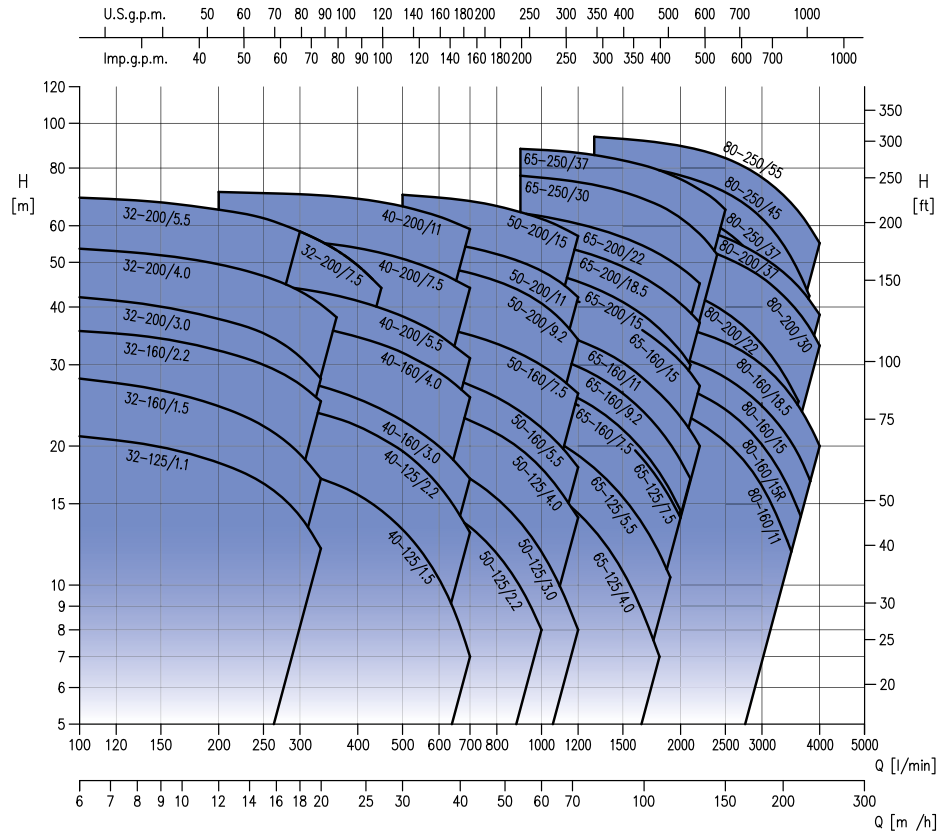
IEC Standard motor is used.

This makes easier to find a replacement motor, in case of necessity

3LP(4) SERIES



Centrifugal pumps in AISI 316 on base with standardized motor and flexible coupling



3LP(4) SERIES

3LP SERIES



Centrifugal pumps in AISI 316 on base with standardized motor and flexible coupling

3LP(4) SERIES

Three phase 230/400/690V														2 Poles								
Model	Code	HP	kW	Q=Flow rate												Abs. Curr.			DNA	DNM	Weight [kg]	
				l/min	100	200	300	360	450	600	700	800	1000	1200	[A]							
				m ³ /h	6	12	18	22	27	36	42	48	60	72	230V	400V	690V					
				H=Total head [m]																		
3LP/I 32-125/1,1	1843070004I	1,5	1,1		21,0	18,4	14,1	-	-	-	-	-	-	-	-	-	4,2	2,4	-	50	32	46,7
3LP/I 32-160/1,5	1843080004I	2	1,5		28,0	24,5	19,2	-	-	-	-	-	-	-	-	-	5,2	3	-	50	32	52,3
3LP/I 32-160/2,2	1843100004I	3	2,2		35,5	32,0	27,0	-	-	-	-	-	-	-	-	-	8	4,6	-	50	32	53,5
3LP/I 32-200/3,0	1843110004I	4	3		42,0	37,5	31,0	-	-	-	-	-	-	-	-	-	9,7	5,6	-	50	32	71,5
3LP/I 32-200/4,0	1843120004I	5,5	4		53,5	49,5	43,5	38,0	-	-	-	-	-	-	-	-	12,1	7	-	50	32	75,1
3LP/I 32-200/5,5	1843130004I	7,5	5,5		69,0	65,0	58,5	-	-	-	-	-	-	-	-	-	10	5,8	50	32	97,0	
3LP/I 32-200/7,5	1843140004I	10	7,5		69,0	65,0	58,5	53,0	44,0	-	-	-	-	-	-	-	13,1	7,6	50	32	112,2	
3LP/I 40-125/1,5	1853080004I	2	1,5		-	19,0	17,6	16,5	14,5	10,3	7,0	-	-	-	-	-	5,2	3,0	-	65	40	49,8
3LP/I 40-125/2,2	1853100004I	3	2,2		-	25,5	24,0	23,0	21,0	16,4	13,0	-	-	-	-	-	8	4,6	-	65	40	51,0
3LP/I 40-160/3,0	1853110004I	4	3		-	29,5	27,5	26,5	24,0	20,0	17,0	-	-	-	-	-	9,7	5,6	-	65	40	81,0
3LP/I 40-160/4,0	1853120004I	5,5	4		-	38,5	37,0	35,5	33,0	29,0	25,5	-	-	-	-	-	12,1	7	-	65	40	67,6
3LP/I 40-200/5,5	1853130004I	7,5	5,5		-	45,5	44,0	42,5	39,5	35,0	31,0	-	-	-	-	-	10	5,8	65	40	98,0	
3LP/I 40-200/7,5	1853140004I	10	7,5		-	57,0	55,5	54,5	52,5	47,5	44,0	-	-	-	-	-	13,1	7,6	65	40	106,9	
3LP/I 40-200/11,0	1853160004I	15	11		-	71,0	70,0	69,5	67,5	63,0	59,0	-	-	-	-	-	19,7	11,4	65	40	127,8	
3LP/I 50-125/2,2	1863090004I	3	2,2		-	-	-	-	17,0	14,9	13,4	11,7	8,0	-	-	-	8	4,6	-	65	50	75,0
3LP/I 50-125/3,0	1863110004I	4	3		-	-	-	-	20,0	18,4	17,0	15,4	11,8	8,0	-	-	9,7	5,6	-	65	50	82,5
3LP/I 50-125/4,0	1863120004I	5,5	4		-	-	-	-	25,5	24,0	22,5	21,5	17,9	14,0	-	-	12,1	7	-	65	50	84,6
3LP/I 50-160/5,5	1863130004I	7,5	5,5		-	-	-	-	30,5	28,5	27,0	25,5	22,0	18,0	-	-	10	5,8	65	50	84,6	
3LP/I 50-160/7,5	1863140004I	10	7,5		-	-	-	-	38,0	36,0	35,0	33,5	30,0	26,0	-	-	13,1	7,6	65	50	106,9	
3LP/I 50-200/9,2	1863150004I	12,5	9,2		-	-	-	-	49,0	47,5	45,5	40,5	34,0	-	-	-	16,5	9,5	65	50	111,0	
3LP/I 50-200/11,0	1863160004I	15	11		-	-	-	-	55,0	54,0	52,0	48,0	42,0	-	-	-	19,7	11,4	65	50	128,3	
3LP/I 50-200/15,0	1863170004I	20	15		-	-	-	-	69,0	68,0	66,0	62,0	57,0	-	-	-	26,7	15,4	65	50	135,4	

Pumps supplied without counterflanges, see counterflanges kit on page 389

3LP SERIES



Centrifugal pumps in AISI 316 on base with standardized motor and flexible coupling

Three phase 230/400/690V														2 Poles					
Model	Code	HP	kW	Q=Flow rate										Abs. Curr.			DNA	DNM	Weight [kg]
				l/min	600	900	1500	1900	2200	2400	3000	3600	4000	[A]					
				m³/h	36	54	90	114	132	144	180	216	240	230V	400V	690V			
H=Total head [m]																			
3LP/I 65-125/4,0	1874120004I	5,5	4		19,8	17,3	11,0	6,3	-	-	-	-	-	12,1	7	-	80	65	50,1
3LP/I 65-125/5,5	1874130004I	7,5	5,5		-	22,2	15,7	10,8	-	-	-	-	-	-	10	5,8	80	65	60
3LP/I 65-125/7,5	1874140004I	10	7,5		-	27,8	21,1	16,1	12,0	-	-	-	-	-	13,1	7,6	80	65	79,4
3LP/I 65-160/7,5	1874240004I	10	7,5		-	28,6	22,5	17,1	-	-	-	-	-	-	13,1	7,6	80	65	82,4
3LP/I 65-160/9,2	1874150004I	12,5	9,2		-	32,8	26,5	21,1	16,8	-	-	-	-	-	16,5	9,5	80	65	88
3LP/I 65-160/11	1874160004I	15	11		-	37,1	30,9	25,8	21,5	-	-	-	-	-	19,7	11,4	80	65	86,8
3LP/I 65-160/15	1874170004I	20	15		-	44,0	37,8	32,6	28,0	-	-	-	-	-	26,7	15,4	80	65	120,9
3LP/I 65-200/15	1874270004I	20	15		-	49,0	41,5	35,3	30,0	-	-	-	-	-	26,7	15,4	80	65	138
3LP/I 65-200/18,5	1874180004I	25	18,5		-	56,5	49,0	43,0	38,0	-	-	-	-	-	33	19,1	80	65	137
3LP/I 65-200/22	1874190004I	30	22		-	64,0	57,0	51,0	46,5	-	-	-	-	-	38	22	80	65	175
3LP/I 65-250/30	1402200104I	40	30		-	77,0	71,0	64,5	57,5	52,0	-	-	-	-	51,8	30	80	65	303
3LP/I 65-250/37	1402250104I	50	37		-	88,0	83,0	77,5	72,0	67,5	-	-	-	-	62,5	36	80	65	320
3LP/I 80-160/11	1403160104I	15	11		-	-	26,4	24,2	22,4	21,1	16,4	-	-	-	19,7	11,4	100	80	145,8
3LP/I 80-160/15 R	1403140104I	20	15		-	-	29,7	27,7	25,9	24,6	20,1	14,5	-	-	26,7	15,4	100	80	157
3LP/I 80-160/15	1403170104I	20	15		-	-	33,3	31,5	30,0	28,8	24,4	19,1	-	-	26,7	15,4	100	80	157
3LP/I 80-160/18,5	1403180104I	25	18,5		-	-	38,4	36,7	35,2	34,1	30,0	24,4	20,0	-	33	19,1	100	80	151,2
3LP/I 80-200/22	1404190104I	30	22		-	-	47,0	44,5	42,0	40,0	33,2	25,0	-	-	38	22	100	80	207
3LP/I 80-200/30	1404200104I	40	30		-	-	58,0	56,0	54,0	52,0	46,5	39,0	33,0	-	51,8	30	100	80	306
3LP/I 80-200/37	1404250104I	50	37		-	-	63,0	61,0	59,0	57,5	51,5	44,5	38,5	-	62,5	36	100	80	325
3LP/I 80-250/37	1405250104I	50	37		-	-	70,5	66,5	63,0	60,0	48,5	-	-	-	62,5	36	100	80	335
3LP/I 80-250/45	1405300104I	60	45		-	-	81,5	78,0	75,0	72,5	62,0	48,0	-	-	74,5	43	100	80	401
3LP/I 80-250/55	1405550104I	75	55		-	-	92,5	90,0	87,5	85,5	76,5	64,5	55,0	-	93,5	54	100	80	489

Pumps supplied without counterflanges, see counterflanges kit on page 389
 3 SERIES 65-250 and 3 SERIES 80 in microcasted steel

3LP(4) SERIES

3LP4 SERIES



Centrifugal pumps in AISI 316 on base with standardized motor and flexible coupling (4 poles)

3LP(4) SERIES

Three phase 230/400V																4 Poles					
Model	Code	HP	kW	Q=Flow rate												Abs. Curr. [A]		DNA	DNM	Weight [kg]	
				l/min	50	100	150	200	250	300	350	400	500	650	230V	400V					
				m ³ /h	3	6	9	12	15	18	21	24	30	39							
				H=Total head [m]																	
3LP4 32-125/0,25	1843010004	0,33	0,25		5,5	4,7	3,5	-	-	-	-	-	-	-	-	-	1,6	0,9	50	32	37,0
3LP4 32-160/0,37R	1844020004	0,5	0,37		7,0	6,2	5,0	-	-	-	-	-	-	-	-	-	2,1	1,2	50	32	41,0
3LP4 32-160/0,37	1843020004	0,5	0,37		8,7	8,1	7,0	-	-	-	-	-	-	-	-	-	2,1	1,2	50	32	41,0
3LP4 32-200/0,55R	1844030004	0,75	0,55		10,3	9,2	7,3	-	-	-	-	-	-	-	-	-	2,8	1,6	50	32	53,5
3LP4 32-200/0,55	1843030004	0,75	0,55		12,0	11,0	9,2	-	-	-	-	-	-	-	-	-	2,8	1,6	50	32	53,5
3LP4/I 32-200/0,75	1843050004I	1	0,75		17,1	16,1	14,3	-	-	-	-	-	-	-	-	-	3,1	1,8	50	32	54,5
3LP4 40-125/0,37R	1854020004	0,5	0,37		-	4,8	4,5	4,0	3,4	2,6	1,8	-	-	-	-	-	2,1	1,2	65	40	46,5
3LP4 40-125/0,37	1853020004	0,5	0,37		-	6,3	6,0	5,5	4,9	4,2	3,4	-	-	-	-	-	2,1	1,2	65	40	46,5
3LP4 40-160/0,55R	1854030004	0,75	0,55		-	7,3	6,9	6,3	5,7	5,0	4,3	-	-	-	-	-	2,8	1,6	65	40	44,5
3LP4 40-160/0,55	1853030004	0,75	0,55		-	8,6	8,1	7,5	6,9	6,2	5,4	-	-	-	-	-	2,8	1,6	65	40	44,5
3LP4/I 40-200/1,1R	1854070004I	1,5	1,1		-	11,2	10,8	10,1	9,4	8,6	7,8	-	-	-	-	-	4,3	2,5	65	40	59,3
3LP4/I 40-200/1,1	1853070004I	1,5	1,1		-	13,2	12,7	12,1	11,4	10,6	9,6	-	-	-	-	-	4,3	2,5	65	40	59,3
3LP4/I 40-200/1,5	1854080004I	2	1,5		-	17,7	17,3	16,8	16,1	15,2	14,2	-	-	-	-	-	6,2	3,6	65	40	61,4
3LP4 50-125/0,55R	1864030004	0,75	0,55		-	-	-	5,2	5,0	4,7	4,4	4,0	3,2	-	-	-	2,8	1,6	65	50	45,0
3LP4 50-125/0,55	1863030004	0,75	0,55		-	-	-	6,2	6,0	5,7	5,4	5,0	4,2	-	-	-	2,8	1,6	65	50	45,0
3LP4/I 50-160/1,1R	1864070004I	1,5	1,1		-	-	-	7,8	7,6	7,2	6,9	6,4	5,5	4,0	-	-	4,3	2,5	65	50	50,3
3LP4/I 50-160/1,1	1863070004I	1,5	1,1		-	-	-	9,1	8,9	8,6	8,3	7,9	7,0	5,5	-	-	4,3	2,5	65	50	50,3
3LP4/I 50-200/1,5R	1864080004I	2	1,5		-	-	-	12,1	11,8	11,4	11,0	10,5	9,3	7,2	-	-	6,2	3,6	65	50	61,4
3LP4/I 50-200/1,5	1863080004I	2	1,5		-	-	-	13,3	13,0	12,7	12,2	11,8	10,6	8,4	-	-	6,2	3,6	65	50	61,4
3LP4/I 50-200/2,2	1863100004I	3	2,2		-	-	-	17,5	17,3	17,0	16,6	16,2	15,1	13,1	-	-	10,2	5,9	65	50	70,4

Pumps supplied without counterflanges, see counterflanges kit on page 389

3LP4 SERIES



Centrifugal pumps in AISI 316 on base with standardized motor and flexible coupling (4 poles)

Three phase 230/400/690V														4 Poles						
Model	Code	HP	kW	Q=Flow rate											Abs. Curr.			DNA	DNM	Weight [kg]
				l/min	300	350	500	600	800	1000	1200	1400	1800	2200	[A]	230V	400V			
				H=Total head [m]																
				m ³ /h	18	21	30	36	48	60	72	84	108	132						
3LP4 65-125/0,55	1878330004	0,75	0,55		4,8	4,6	4,0	3,5	2,3	-	-	-	-	-	2,8	1,6	-	80	65	48,5
3LP4/I 65-125/0,75	1878350004I	1	0,75		6,0	5,8	5,2	4,6	3,5	2,2	-	-	-	-	3,1	1,8	-	80	65	48,5
3LP4/I 65-125/1,1	1878370004I	1,5	1,1		7,2	7,0	6,3	5,7	4,5	3,2	-	-	-	-	4,3	2,5	-	80	65	53,8
3LP4/I 65-160/1,1	1877370004I	1,5	1,1		-	8,1	7,4	6,9	5,7	4,2	-	-	-	-	4,3	2,5	-	80	65	60,3
3LP4/I 65-160/1,5	1877380004I	2	1,5		-	9,2	8,5	8,0	6,7	5,3	-	-	-	-	6,2	3,6	-	80	65	60,9
3LP4/I 65-160/2,2	1877400004I	3	2,2		-	11,3	10,6	10,1	8,8	7,2	5,5	-	-	-	10,2	5,9	-	80	65	71,9
3LP4/I 65-200/2,2R	1876400104I	3	2,2		-	12,4	11,6	10,9	9,3	7,3	-	-	-	-	10,2	5,9	-	80	65	74,4
3LP4/I 65-200/2,2	1876400004I	3	2,2		-	13,9	13,0	12,4	10,8	8,8	-	-	-	-	10,2	5,9	-	80	65	74,4
3LP4/I 65-200/3	1876410004I	4	3		-	15,8	15,1	14,4	12,9	11,1	9,0	-	-	-	11,8	6,8	-	80	65	77,5
3LP4/I 65-250/4	1402120104I	5,5	4		-	-	18,1	17,6	16,1	14,2	11,6	-	-	-	14,2	8,2	-	80	65	119,1
3LP4/I 65-250/5,5	1402130104I	7,5	5,5		-	-	21,2	20,8	19,6	17,9	15,8	12,8	-	-	-	10,6	6,1	100	80	140,0
3LP4/I 80-160/1,5	1403080104I	2	1,5		-	-	-	6,8	6,3	5,7	5,0	4,2	2,4	-	6,2	3,6	-	100	80	77,4
3LP4/I 80-160/2,2R	1403090104I	3	2,2		-	-	-	8,1	7,8	7,3	6,7	6,0	4,2	-	10,2	5,9	-	100	80	86,4
3LP4/I 80-160/2,2	1403100104I	3	2,2		-	-	-	9,1	8,8	8,3	7,8	7,1	5,2	-	10,2	5,9	-	100	80	100,9
3LP4/I 80-200/3	1404110104I	4	3		-	-	-	12,0	11,5	10,7	9,7	8,6	5,9	-	11,8	6,8	-	100	80	109,5
3LP4/I 80-200/4	1404120104I	5,5	4		-	-	-	14,4	13,9	13,2	12,2	11,2	8,8	5,6	14,2	8,2	-	100	80	122,1
3LP4/I 80-200/4R	1404130104I	5,5	4		-	-	-	15,4	14,9	14,1	13,2	12,3	9,9	6,7	14,2	8,2	-	100	80	122,6
3LP4/I 80-250/5,5R	1405330104I	7,5	5,5		-	-	-	17,7	17,0	16,0	14,6	12,9	8,4	-	-	10,6	6,1	100	80	144,0
3LP4/I 80-250/5,5	1405130104I	7,5	5,5		-	-	-	20,5	19,9	18,9	17,6	15,9	11,7	-	-	10,6	6,1	100	80	144,5
3LP4/I 80-250/7,5	1405140104I	10	7,5		-	-	-	24,0	23,4	22,5	21,3	19,8	15,9	10,8	-	15,3	8,8	100	80	157,5

Pumps supplied without counterflanges, see counterflanges kit on page 389
3 SERIES 65-250 and 3 SERIES 80 in microcasted steel

3LPF(4) SERIES



Centrifugal pumps in AISI 316 (hydraulic only)

Bare shaft pumps with AISI 316 stainless steel construction. Suitable for supplying water in residential, commercial, agricultural and industrial systems, pressure boosting, firefighting, heating and air-conditioning systems. Also used for handling industrial liquids, irrigation, cooling towers, swimming pools, draining and washing systems.



Sturdy construction



Volute obtained with hydro-forming process



High performances

Materials

Pump body	- AISI 316L - AISI 316 microcasted steel for 3L SERIES 65-250, 80-160/200/250
Impeller	- AISI 316L for 3L SERIES 32, 45, 50 - AISI 316 microcasted steel for 3L SERIES 65, 80
Shaft	- AISI 316L stainless steel - Duplex stainless steel for 3L SERIES 65-250, 80-200/30, 80-200/37, 80-250
Mechanical seal	SiC/SiC/FPM (standard)

Technical data

Max. working pressure	10 bar
Max. temperature of the liquid	-10°C ÷ +90°C for std, Q1AEGG, U3U3EGG, Q1Q1EGG, Q1U3EGG, U3CEGG versions -10°C ÷ +110°C for H-HS-HW-HSW versions -20°C ÷ +120°C for E, ES versions
MEI	> 0,4
Poles	2 and 4
Insulation class	F
Protection degree	IP55

Accessories



Counterflanges kit

Page 389 - Galvanized, AISI 304 and AISI 316 counterflanges kit



Control systems

Page 362 - **E-drive**

Variable speed control systems

Page 367 - **Control panels**

1EP-E - QA60/C - SMART - QT1 - QS1

Options



Mechanical seal

Page 392 - H, HS, HS, HW, HSW, E, ES, U3U3EGG, U3CEGG, Q1Q1EGG, Q1U3EGG, Q1AEGG

3LPF(4) SERIES



Centrifugal pumps in AISI 316 (hydraulic only)

3LPF SERIES		2 Poles
Model	Code	
3LPF 32-125/1,1	1843000000	
3LPF 32-160/1,5R	1843000001	
3LPF 32-160/2,2	1843000002	
3LPF 32-200/3,0R	1843000003	
3LPF 32-200/4,0	1843000004	
3LPF 32-200/5,5L	1843000005	
3LPF 32-200/7,5L	1843000005	
3LPF 40-125/1,5R	1853000000	
3LPF 40-125/2,2	1853000001	
3LPF 40-160/3,0R	1853000002	
3LPF 40-160/4,0	1853000003	
3LPF 40-200/5,5R	1853000004	
3LPF 40-200/7,5	1853000005	
3LPF 40-200/11L	1853000006	
3LPF 50-125/2,2S	1863000007	
3LPF 50-125/3,0R	1863000000	
3LPF 50-125/4,0	1863000001	
3LPF 50-160/5,5R	1863000002	
3LPF 50-160/7,5	1863000003	
3LPF 50-200/9,2R	1863000004	
3LPF 50-200/11	1863000005	
3LPF 50-200/15L	1863000006	
3LPF 65-125/4,0R	1874200000	
3LPF 65-125/5,5	1874200001	
3LPF 65-125/7,5L	1874200002	
3LPF 65-160/7,5S	1874200009	
3LPF 65-160/9,2R	1874200003	
3LPF 65-160/11	1874200004	
3LPF 65-160/15L	1874200005	
3LPF 65-200/15R	1874200006	
3LPF 65-200/18,5	1874200007	
3LPF 65-200/22L	1874200008	
3LPF 65-250/30	1406250101	
3LPF 65-250/37L	1406250102	
3LPF 80-160/11S	1407160100	
3LPF 80-160/15R	1407150100	
3LPF 80-160/15	1407160101	
3LPF 80-160/18,5L	1407160102	
3LPF 80-200/22R	1407200100	
3LPF 80-200/30	1407200101	
3LPF 80-200/37L	1407200102	
3LPF 80-250/37R	1407250100	
3LPF 80-250/45	1407250101	
3LPF 80-250/55L	1407250102	

Pumps supplied without counterflanges, see counterflanges kit on page 389
3 SERIES 65-250 and 3 SERIES 80 in microcasted steel

3LPF4 SERIES		4 Poles
Model	Code	
3LPF4 32-125/0,25	1843000000	
3LPF4 32-160/0,37R	1843000001	
3LPF4 32-160/0,37	1843000002	
3LPF4 32-200/0,55R	1843000003	
3LPF4 32-200/0,55	1843000004	
3LPF4 32-200/0,75L	1843000005	
3LPF4 40-125/0,37R	1853000000	
3LPF4 40-125/0,37	1853000001	
3LPF4 40-160/0,55R	1853000002	
3LPF4 40-160/0,55	1853000003	
3LPF4 40-200/1,1R	1853000004	
3LPF4 40-200/1,1	1853000005	
3LPF4 40-200/1,5L	1853000006	
3LPF4 50-125/0,55R	1863000000	
3LPF4 50-125/0,55	1863000001	
3LPF4 50-160/1,1R	1863000002	
3LPF4 50-160/1,1	1863000003	
3LPF4 50-200/1,5R	1863000004	
3LPF4 50-200/1,5	1863000005	
3LPF4 50-200/2,2L	1863000006	
3LPF4 65-125/0,55R	1874200000	
3LPF4 65-125/0,75	1874200001	
3LPF4 65-125/1,1L	1874200002	
3LPF4 65-160/1,1R	1874200003	
3LPF4 65-160/1,5	1874200004	
3LPF4 65-160/2,2L	1874300005	
3LPF4 65-200/2,2R	1874300006	
3LPF4 65-200/2,2	1874300007	
3LPF4 65-200/3,0L	1874300008	
3LPF4 65-250/4,0	1406250101	
3LPF4 65-250/5,5L	1406250102	
3LPF4 80-160/1,5R	1407160106	
3LPF4 80-160/2,2	1407160104	
3LPF4 80-160/2,2L	1407160105	
3LPF4 80-200/3,0R	1407200100	
3LPF4 80-200/4,0	1407200101	
3LPF4 80-200/4,0L	1407200102	
3LPF4 80-250/5,5R	1407250103	
3LPF4 80-250/5,5	1407250104	
3LPF4 80-250/7,5L	1407250105	

Pumps supplied without counterflanges, see counterflanges kit on page 389
3 SERIES 65-250 and 3 SERIES 80 in microcasted steel

3D(4) SERIES - MD/MMD(4)



End suction pumps in cast iron with impeller in AISI 304 and AISI 316

3D-MD/MMD SERIES is the EBARA range of close coupled pumps with cast iron body and AISI 304 or AISI 316 stainless steel impeller. 3D-MD/MMD SERIES pumps represent a versatile range suitable for a lot of applications and offer significant advantages in terms of reliability, efficiency and cost saving. Suitable for handling clean water for residential, commercial, agricultural and industrial use, pressure booster sets, heating and air-conditioning systems. Also used for irrigation on farms, sports centres, washing systems.



High efficiency



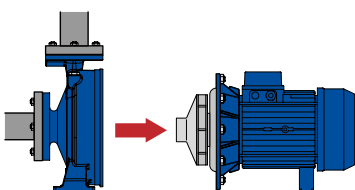
Sturdy construction



Impeller in stainless steel

Materials

Pump body	Cast iron
Impeller	AISI 304 (AISI 316 for 3D 65) Cast iron for MMD
Shaft	AISI 304 AISI 420 (MMD)
Mechanical seal	Ceramic/Carbon/NBR (standard) SiC/SiC/NBR (MMD)
Motor support	Cast iron for 32-200/3, 15, 18,5 and 22 kW models Aluminium for the rest of the range



Back pull-out

Impeller, bracket and motor can be extracted without disconnecting the pump body from the piping for any maintenance operations

Technical data

Max. working pressure	10 bar
Max. temperature of the liquid	-5°C ÷ +90°C -5°C ÷ +110°C for H-HS-HW-HSW versions -5°C ÷ +120°C for E, U3U3EGG, U3CEGG, Q1Q1EGG, Q1U3EGG, Q1AEGG versions -10°C ÷ +90°C for MMD
MEI	> 0,4
Poles	2 and 4
Insulation class	F (rise temperature class B)
Protection degree	IP55
Voltage	Single phase 230V ±10% Three phase 230/400V ±10% (up to 4 kW included) Three phase 400/690V ±10% (from 5,5kW and above)

Accessories



Counterflanges kit

Page 389 - **Galvanized counterflanges kit**



Control systems

Page 362 - **E-drive**

Variable speed control systems

Page 367 - **Control panels**

1EP-E - QA50/B - QA60/C - SMART
- QM1 - QT1 - QS1

Options



Mechanical seal

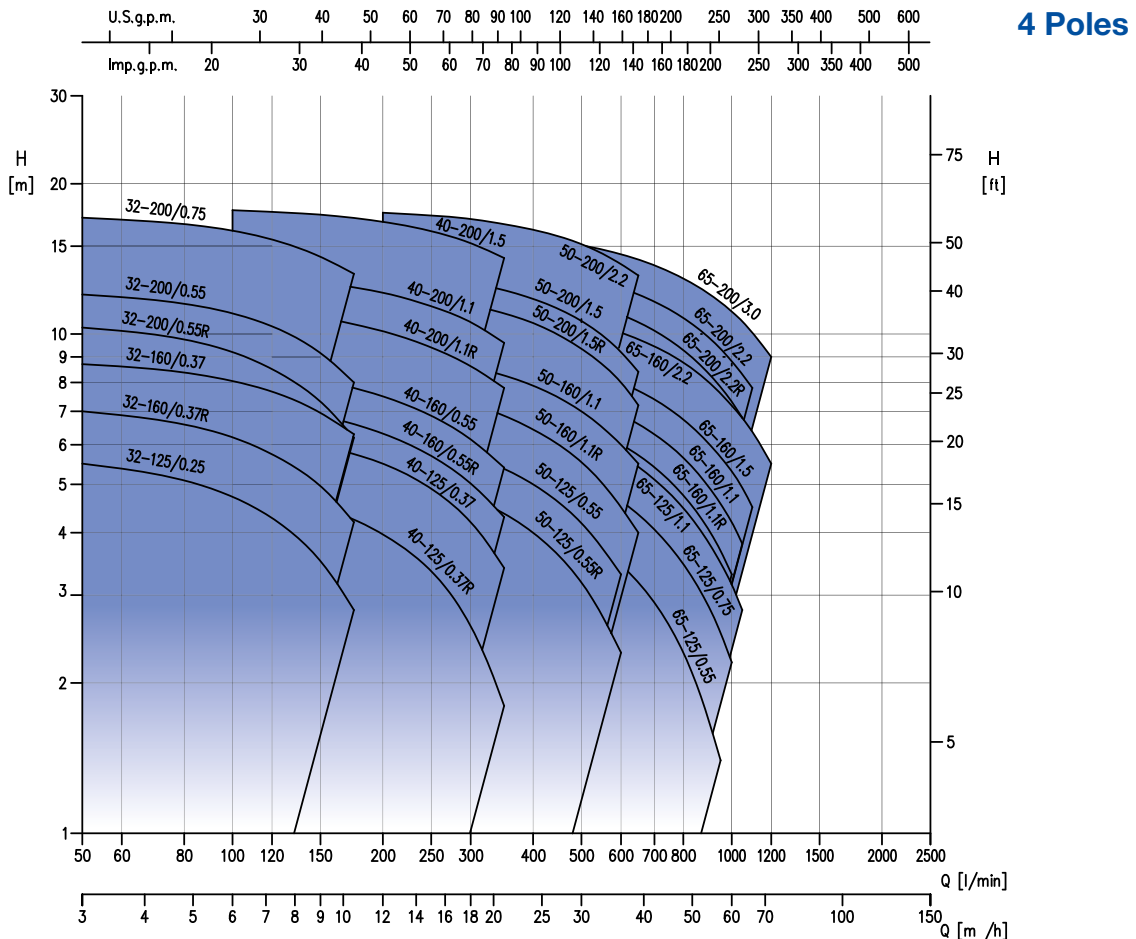
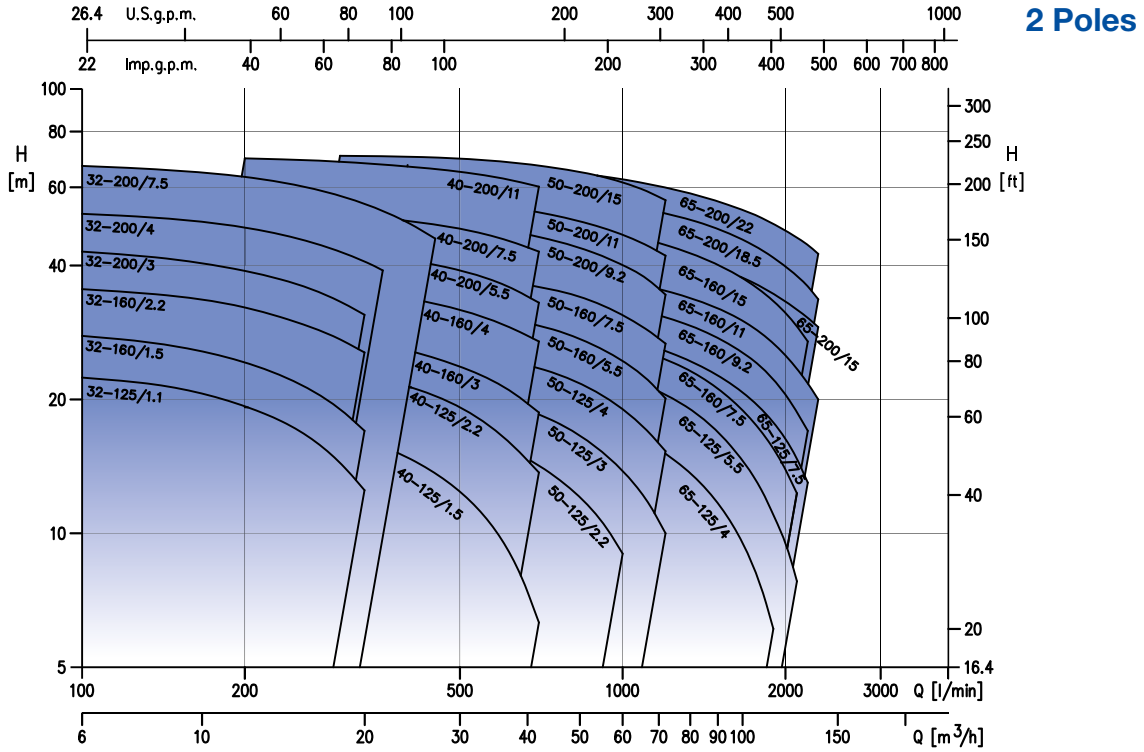
Page 392 - **H, HS, HS, HW, HSW, E, U3U3EGG, U3CEGG, Q1Q1EGG, Q1U3EGG, Q1AEGG**

3D(4) SERIES

End suction pumps in cast iron with impeller in AISI 304 and AISI 316



3D(4) SERIES



3D SERIES



End suction pumps in cast iron with impeller in AISI 304 and AISI 316

3D(4) SERIES

Single phase 230V														2 Poles			
Model	Code	HP	kW	Q=Flow rate										Abs. Curr. [A] 230V	DNA	DNM	Weight [kg]
				l/min	100	150	200	250	300	400	500	700	1000				
				m ³ /h	6	9	12	15	18	24	30	42	60				
H=Total head [m]																	
3D 32-125/1,1 M	2540070000	1,5	1,1		22,4	21,2	19,3	17,1	14,4	-	-	-	-	6,7	50	32	25,0
3D 32-160/1,5 M	2540080000	2	1,5		27,5	25,9	23,7	21,3	18,5	-	-	-	9,6	50	32	29,0	
3D 32-160/2,2 M	2540100000	3	2,2		35,4	34,1	32,2	29,8	27,3	-	-	-	13,3	50	32	35,7	
3D 40-125/1,5 M	2541080000	2	1,5		-	-	18,2	17,6	16,8	14,8	12,4	6,3	9,6	65	40	25,5	
3D 40-125/2,2 M	2541100000	3	2,2		-	-	24,4	23,9	23,2	21,4	19,2	13,7	13,3	65	40	31,7	
3D 50-125/2,2 M	2542100000	3	2,2		-	-	-	-	-	18,0	17,0	14,2	13,3	65	50	34,4	

Pumps supplied without counterflanges. See counterflanges kit on page 389

Three phase 230/400/690V														2 Poles						
Model	Code	HP	kW	Q=Flow rate										Abs. Curr. [A]			DNA	DNM	Weight [kg]	
				l/min	100	150	200	300	400	500	700	800	1000	1200	230V	400V				690V
				m ³ /h	6	9	12	18	24	30	42	48	60	72						
H=Total head [m]																				
3D/ 32-125/1.1	2540070004I	1,5	1,1		22,4	21,2	19,3	14,4	-	-	-	-	-	5,8	3,3	-	50	32	29,5	
3D/ 32-160/1.5	2540080004I	2	1,5		27,5	25,9	23,7	18,5	-	-	-	-	-	5,8	3,3	-	50	32	33,5	
3D/ 32-160/2.2	2540100004I	3	2,2		35,4	34,1	32,2	27,3	-	-	-	-	-	8,2	4,7	-	50	32	36,0	
3D/ 32-200/3.0	2540110004I	4	3		43,0	41,0	39,0	33,0	-	-	-	-	-	11,1	6,4	-	50	32	47,5	
3D/ 32-200/4.0	2540120004I	5,5	4		52,5	51,0	49,0	43,0	-	-	-	-	-	15,1	8,7	-	50	32	50,0	
3D/ 32-200/7.5	2540140004I	10	7,5		67,0	65,0	63,0	57,0	-	-	-	-	-	13,6	7,9	50	32	65,1		
3D/ 40-125/1.5	2541080004I	2	1,5		-	-	18,2	16,8	14,8	12,4	6,3	-	-	5,8	3,3	-	65	40	30,0	
3D/ 40-125/2.2	2541100004I	3	2,2		-	-	24,4	23,2	21,4	19,2	13,7	-	-	8,2	4,7	-	65	40	32,0	
3D/ 40-160/3.0	2541110004I	4	3		-	-	29,4	27,8	25,8	23,7	18,7	-	-	11,1	6,4	-	65	40	39,0	
3D/ 40-160/4.0	2541120004I	5,5	4		-	-	37,2	35,7	33,8	31,8	27,0	-	-	15,1	8,7	-	65	40	48,0	
3D/ 40-200/5.5	2541130004I	7,5	5,5		-	-	44,5	43,0	41,0	39,0	33,0	-	-	10,6	6,1	65	40	60,0		
3D/ 40-200/7.5	2541140004I	10	7,5		-	-	53,5	52,0	50,5	48,5	43,0	-	-	13,6	7,9	65	40	66,1		
3D/ 40-200/11	2541160004I	15	11		-	-	70,0	68,5	67,0	65,0	60,0	-	-	21,3	12,3	65	40	82,4		
3D/ 50-125/2.2	2542100004I	3	2,2		-	-	-	-	18,0	17,0	14,2	12,6	9,0	8,2	4,7	-	65	50	37,0	
3D/ 50-125/3.0	2542110004I	4	3		-	-	-	-	21,5	20,8	18,5	17,1	13,8	11,1	6,4	-	65	50	39,5	
3D/ 50-125/4.0	2542120004I	5,5	4		-	-	-	-	25,8	25,3	23,5	22,2	19,0	15,1	8,7	-	65	50	48,0	
3D/ 50-160/5.5	2542130004I	7,5	5,5		-	-	-	-	32,0	31,5	29,3	27,9	24,4	10,6	6,1	65	50	60,0		
3D/ 50-160/7.5	2542140004I	10	7,5		-	-	-	-	38,2	37,6	35,8	34,5	30,9	13,6	7,9	65	50	67,1		
3D/ 50-200/9.2	2542150004I	12,5	9,2		-	-	-	-	49,5	46,5	44,5	40,0	34,4	17,2	10	65	50	77,0		
3D/ 50-200/11	2542160004I	15	11		-	-	-	-	55,5	52,5	51,0	47,0	42,0	21,3	12,3	65	50	82,4		
3D/ 50-200/15	2542170004I	20	15		-	-	-	-	69,5	67,0	65,5	61,5	56,0	30	17,3	65	50	124,1		

Pumps supplied without counterflanges. See counterflanges kit on page 389

Three phase 230/400/690V														2 Poles					
Model	Code	HP	kW	Q=Flow rate										Abs. Curr. [A]			DNA	DNM	Weight [kg]
				l/min	600	700	1000	1300	1600	1900	2100	2200	2300	230V	400V	690V			
				m ³ /h	36	42	60	78	96	114	126	132	138						
H=Total head [m]																			
3D/ 65-125/4.0	2543120004I	5,5	4		20,4	19,8	17,2	14,0	10,4	6,0	-	-	-	15,1	8,7	-	80	65	53,0
3D/ 65-125/5.5	2543130004I	7,5	5,5		-	25,0	22,5	19,4	15,5	11,0	8,0	-	-	10,6	6,1	80	65	65,0	
3D/M 65-125/7.5	2549130004M	10	7,5		-	29,6	27,5	24,7	21,5	17,8	14,7	13,0	-	13,6	7,9	80	65	72,6	
3D/M 65-160/7.5	2543140004M	10	7,5		-	29,0	26,6	23,5	19,8	15,5	12,3	-	-	13,6	7,9	80	65	73,1	
3D/M 65-160/9.2	2543150004M	12,5	9,2		-	34,7	32,4	29,6	26,3	22,2	18,8	17,0	-	17,2	10	80	65	85,0	
3D/M 65-160/11	2543160004M	15	11		-	39,0	37,0	34,0	31,0	27,0	23,0	22,0	20,0	21,3	12,3	80	65	87,4	
3D/M 65-160/15	2543170004M	20	15		-	46,0	44,0	41,5	38,4	34,6	31,9	30,5	29,0	27,7	17,3	80	65	129,1	
3D/M 65-200/15	2544170004M	20	15		-	51,0	47,0	43,0	38,6	33,3	29,2	27,0	-	27,7	17,3	80	65	129,1	
3D/M 65-200/18.5	2544180004M	25	18,5		-	58,0	55,0	51,0	47,0	41,5	37,9	35,9	33,6	35	20,3	80	65	146,3	
3D/M 65-200/22	2544190004M	30	22		-	65,5	62,5	58,5	54,5	49,5	46,0	44,5	42,5	39,7	23,6	80	65	158,1	

Pumps supplied without counterflanges. See counterflanges kit on page 389

3D4 SERIES



End suction pumps in cast iron with impeller in AISI 304 and AISI 316 (4 poles)

Three phase 230/400V													4 Poles				
Model	Code	HP	kW	Q=Flow rate									Abs. Curr. [A]		DNA	DNM	Weight [kg]
				I/min	50	100	150	175	200	250	300	350	230V	400V			
				m³/h	3	6	9	10,5	12	15	18	21	H=Total head [m]				
3D4 32-125/0,25	2540010004	0,33	0,25		5,5	4,7	3,5	2,8	-	-	-	-	1,9	1,1	50	32	23.9
3D4 32-160/0,37R	2540020004	0,5	0,37		7,0	6,2	5,0	4,2	-	-	-	-	2,6	1,5	50	32	31.1
3D4 32-160/0,37	2540920004	0,5	0,37		8,7	8,1	7,0	6,3	-	-	-	-	2,6	1,5	50	32	31.3
3D4 32-200/0,55R	2540030004	0,75	0,55		10,3	9,2	7,3	6,2	-	-	-	-	2,6	1,5	50	32	35.9
3D4 32-200/0,55	2540930004	0,75	0,55		12,0	11,0	9,2	8,0	-	-	-	-	2,6	1,5	50	32	35.9
3D4/I 32-200/0,75	2540050004I	1	0,75		17,1	16,1	14,3	13,2	-	-	-	-	4,6	2,7	50	32	39.5
3D4 40-125/0,37R	2541020004	0,5	0,37		-	4,8	4,5	4,3	4,0	3,4	2,6	1,8	1,9	1,1	65	40	24.7
3D4 40-125/0,37	2541920004	0,5	0,37		-	6,3	6,0	5,8	5,5	4,9	4,2	3,4	1,9	1,1	65	40	24.8
3D4 40-160/0,55R	2541030004	0,75	0,55		-	7,3	6,9	6,6	6,3	5,7	5,0	4,3	2,6	1,5	65	40	32.3
3D4 40-160/0,55	2541930004	0,75	0,55		-	8,6	8,1	7,8	7,5	6,9	6,2	5,4	2,6	1,5	65	40	32.7
3D4/I 40-200/1,1R	2541070004I	1,5	1,1		-	11,2	10,8	10,5	10,1	9,4	8,6	7,8	4,6	2,7	65	40	41.2
3D4/I 40-200/1,1	2541970004I	1,5	1,1		-	13,2	12,7	12,4	12,1	11,4	10,6	9,6	4,6	2,7	65	40	41.3
3D4/I 40-200/1,5	2541980004I	2	1,5		-	17,7	17,3	17,1	16,8	16,1	15,2	14,2	6,2	3,6	65	40	43.0

Pumps supplied without counterflanges. See counterflanges kit on page 389

Three phase 230/400V													4 Poles						
Model	Code	HP	kW	Q=Flow rate										Abs. Curr. [A]		DNA	DNM	Weight [kg]	
				I/min	200	250	300	350	500	600	800	950	1050	1200	230V				400V
				m³/h	12	15	18	21	30	36	48	57	63	72	H=Total head [m]				
3D4 50-125/0,55R	2542030004	0,75	0,55		5,2	5,0	4,7	4,4	3,2	2,3	-	-	-	-	2,6	1,5	65	50	32.7
3D4 50-125/0,55	2542930004	0,75	0,55		6,2	6,0	5,7	5,4	4,2	3,3	-	-	-	-	2,6	1,5	65	50	32.8
3D4/I 50-160/1,1R	2542070004I	1,5	1,1		7,8	7,6	7,2	6,9	5,5	4,5	-	-	-	-	4,6	2,7	65	50	42.2
3D4/I 50-160/1,1	2542970004I	1,5	1,1		9,1	8,9	8,6	8,3	7,0	6,0	-	-	-	-	4,6	2,7	65	50	42.3
3D4/I 50-200/1,5R	2542080004I	2	1,5		12,1	11,8	11,4	11,0	9,3	8,0	-	-	-	-	6,2	3,6	65	50	43.4
3D4/I 50-200/1,5	2542980004I	2	1,5		13,3	13,0	12,7	12,2	10,6	9,2	-	-	-	-	6,2	3,6	65	50	44.5
3D4/I 50-200/2,2	2542900004I	3	2,2		17,5	17,3	17,0	16,6	15,1	13,8	-	-	-	-	7,8	4,5	65	50	42.9
3D4/H 65-125/0,55	2543030004H	0,75	0,55		-	-	4,8	4,6	4,0	3,5	2,3	1,4	-	-	2,6	1,5	80	65	37.2
3D4/I 65-125/0,75	2543040004I	1	0,75		-	-	6,0	5,8	5,2	4,6	3,5	2,5	-	-	4,6	2,7	80	65	35.3
3D4/I 65-125/1,1	2543070004I	1,5	1,1		-	-	7,2	7,0	6,3	5,7	4,5	3,5	2,8	-	4,6	2,7	80	65	35.3
3D4/I 65-160/1,1	2543970004I	1,5	1,1		-	-	-	8,1	7,4	6,9	5,7	4,6	3,8	-	4,6	2,7	80	65	44.6
3D4/I 65-160/1,5	2543080004I	2	1,5		-	-	-	9,2	8,5	8,0	6,7	5,7	4,9	-	6,2	3,6	80	65	46.1
3D4/I 65-160/2,2	2543100004I	3	2,2		-	-	-	11,3	10,6	10,1	8,8	7,6	6,8	5,5	7,8	4,5	80	65	48.1
3D4/I 65-200/2,2 R	2544100004I	3	2,2		-	-	-	12,4	11,6	10,9	9,3	7,8	6,8	-	7,8	4,5	80	65	46.5
3D4/I 65-200/2,2	2544900004I	3	2,2		-	-	-	13,9	13,0	12,4	10,8	9,3	8,3	-	7,8	4,5	80	65	46.5
3D4/I 65-200/3,0	2544110004I	4	3		-	-	-	15,8	15,1	14,4	12,9	11,6	10,6	9	11,8	6,8	80	65	54.5

Pumps supplied without counterflanges. See counterflanges kit on page 389

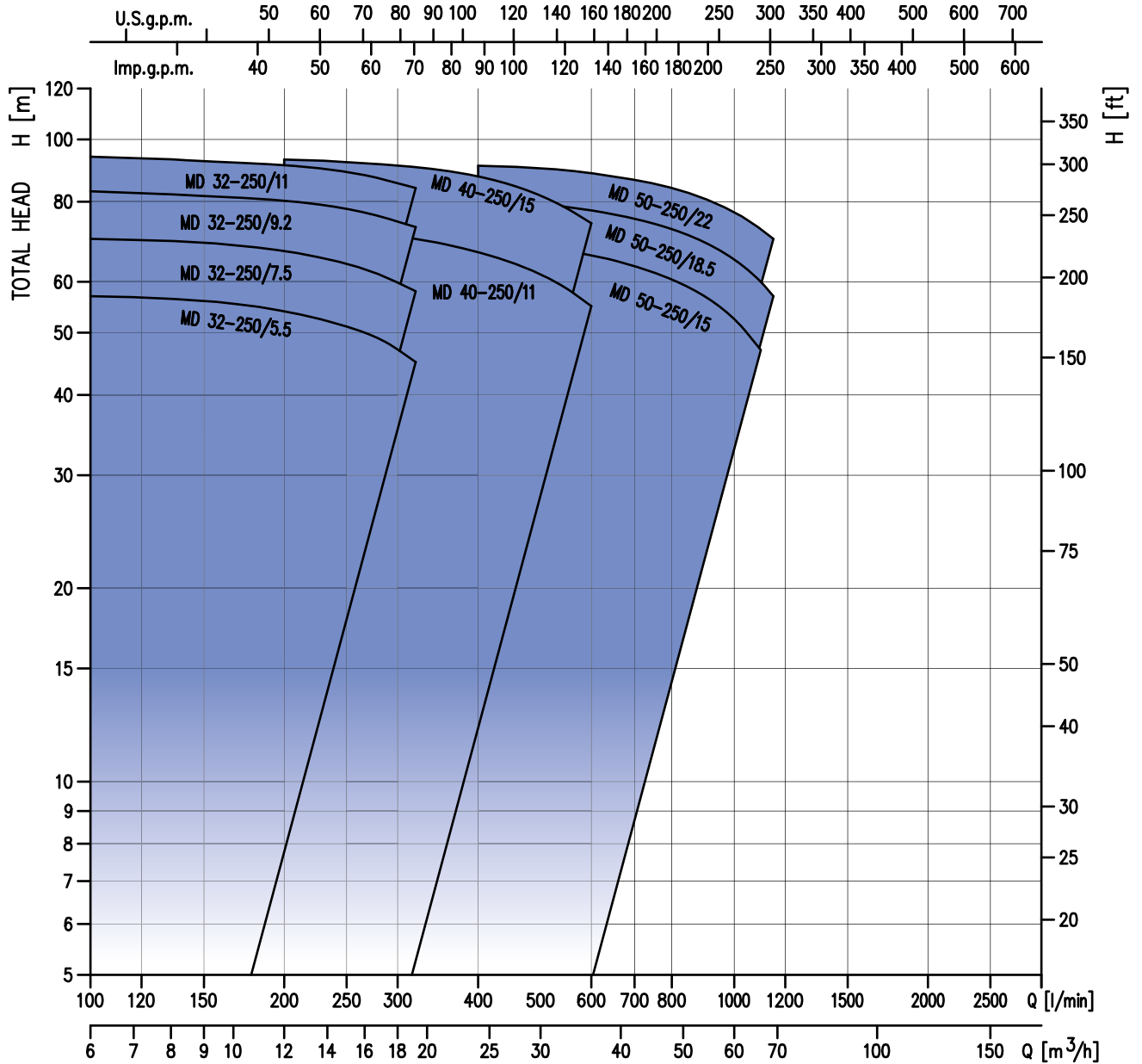
3D(4) SERIES

MD



End suction pumps in cast iron with impeller in AISI 304 and in cast iron

MD/MMD(4)

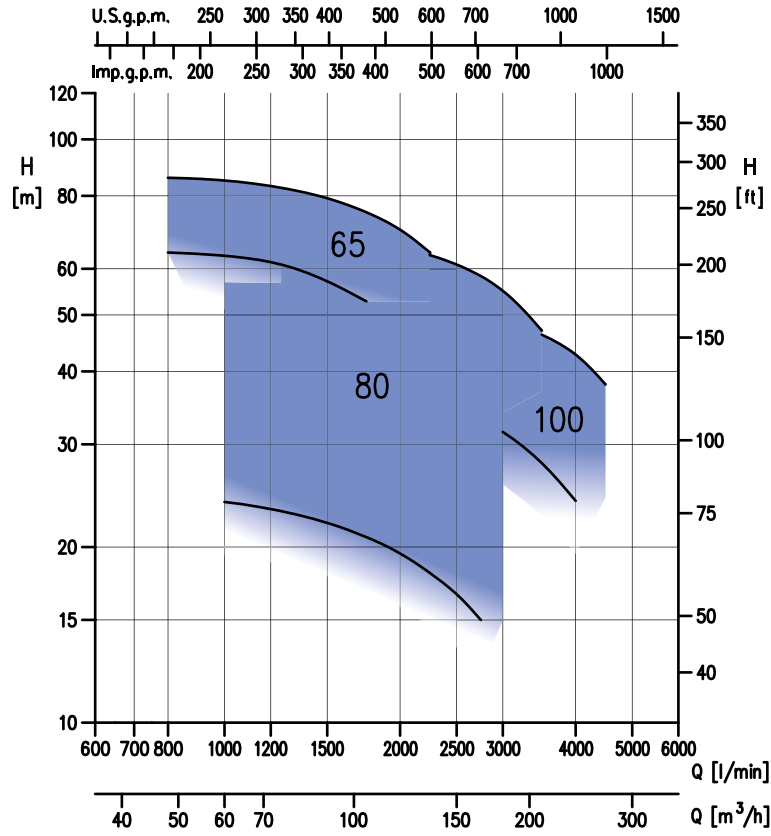


MMD(4)

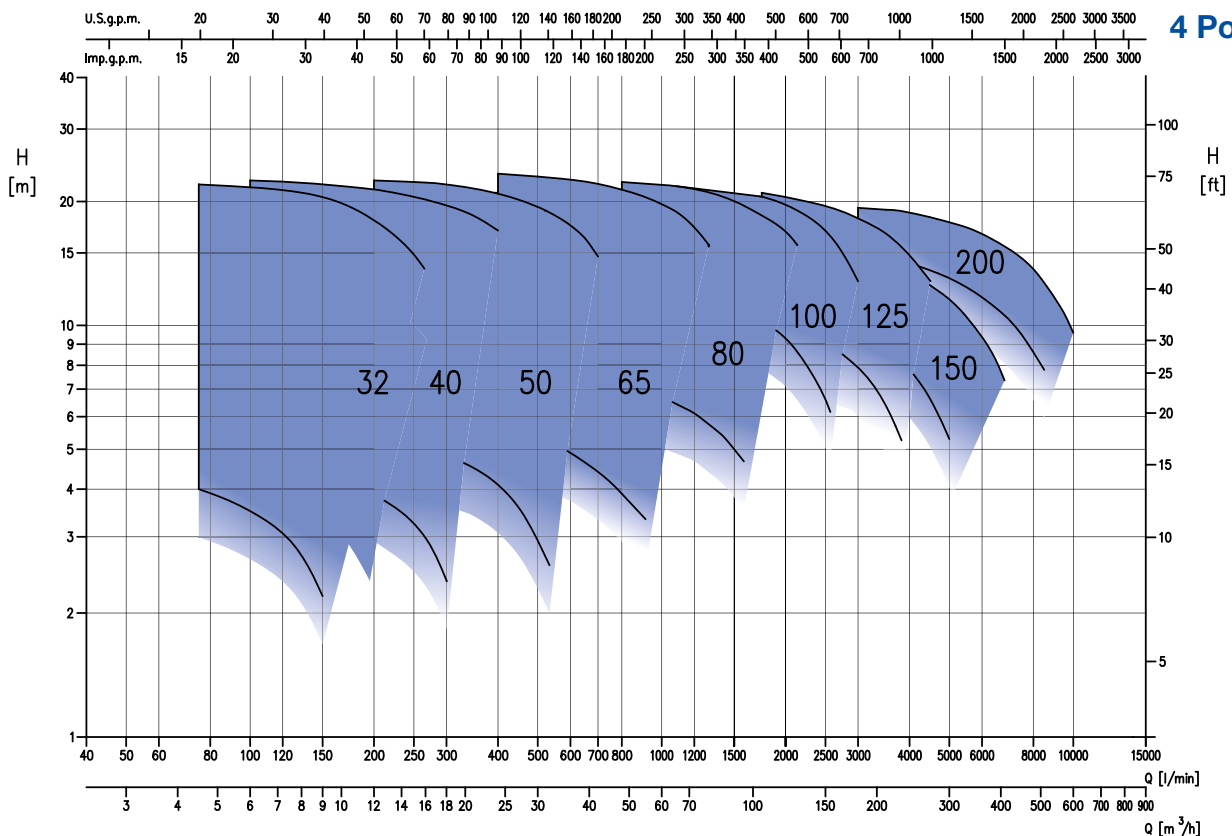
End suction pumps in cast iron with impeller in AISI 304 and in cast iron



2 Poles



4 Poles



MD/MMD(4)

MD - MMD



End suction pumps in cast iron with impeller in AISI 304 and in cast iron

Three phase 400/690V													2 Poles				
Model	Code	HP	kW	Q=Flow rate									Abs. Curr. [A]		DNA	DNM	Weight [kg]
				l/min	100	250	320	550	700	1000	1150	1300	400V	690V			
				m ³ /h	6	15	19	33	42	60	69	78	H=Total head [m]				
MD/I 32-250/5,5	1220930006I	7,5	5,5		56,5	50,4	45,7	-	-	-	-	-	10,6	6,1	50	32	74,2
MD/I 32-250/7,5	1220940006I	10	7,5		70,0	64,5	60,0	-	-	-	-	-	13,6	7,9	50	32	77,7
MD/I 32-250/9,2	1220970006I	12,5	9,2		81,2	75,8	71,4	-	-	-	-	-	17,2	10	50	32	94,5
MD/I 32-250/11	1220960006I	15	11		89,0	84,0	79,0	-	-	-	-	-	21,3	12,3	50	32	97,4
MD/I 40-250/11	1230960006I	15	11		-	73,0	71,0	60,1	46,0	-	-	-	21,3	12,3	65	40	100,4
MD/I 40-250/15	1230970006I	20	15		-	92,1	90,8	81,2	70,0	-	-	-	27,7	17,3	65	40	105,1
MD/I 50-250/15	1240980006I	20	15		-	-	-	69,2	65,7	54,2	46,1	-	27,7	17,3	65	50	106,1
MD/I 50-250/18,5	1240990006I	25	18,5		-	-	-	79,5	76,1	66,0	58,9	50,0	35	20,3	65	50	136,3
MD/I 50-250/22	1240910006I	30	22		-	-	-	89,7	86,9	77,4	70,4	61,5	39,7	23,6	65	50	161,1

Pumps supplied without counterflanges. See counterflanges kit on page 389

Three phase 400/690V													2 Poles				
Model	Code	HP	kW	Q=Flow rate							Abs. Curr. [A]		DNA	DNM	Weight [kg]		
				l/min	800	1250	1750	2250	2750	3500	4500	400V				690V	
				m ³ /h	48	75	105	135	165	210	270	H=Total head [m]					
MMD/I 65-250/22	2053190004I	30	22		64,0	61,0	53,0	-	-	-	-	-	39,4	22,8	80	65	141,0
MMD/I 65-250/30	2053200004I	41	30		77,0	74,0	66,0	53,0	-	-	-	-	52,1	30,1	80	65	264,0
MMD/I 65-250/37	2053250004I	50	37		86,0	83,0	75,0	64,0	-	-	-	-	62,6	36,1	80	65	297,0
MMD/I 80-160/11	2054230004I	15	11		-	23,0	21,0	18,0	15,0	-	-	-	19,9	11,5	100	80	87,0
MMD/I 80-160/15 R	2054240004I	20	15		-	28,0	26,0	23,0	20,0	-	-	-	26,8	15,5	100	80	90,0
MMD/I 80-160/15	2054170004I	20	15		-	33,3	31,8	29,0	26,0	-	-	-	26,8	15,5	100	80	90,0
MMD/I 80-200/18,5	2054180004I	25	18,5		-	41,0	38,5	35,0	30,5	-	-	-	33	19	100	80	137,0
MMD/I 80-200/22	2054190004I	30	22		-	46,5	44,5	41,0	37,0	-	-	-	39,4	22,7	100	80	147,0
MMD/I 80-200/30	2054200004I	41	30		-	54,0	52,0	49,0	45,0	37,0	-	-	52,1	30	100	80	284,0
MMD/I 80-200/37	2054250004I	50	37		-	57,0	56,0	54,0	51,0	42,0	-	-	62,6	36	100	80	317,0
MMD/I 80-250/37	2054250104I	50	37		-	67,5	66,2	63,3	58,3	47,0	-	-	62,6	36	100	80	320,0
MMD/I 100-200/22	2055190004I	30	22		-	-	38,0	36,0	33,0	28,0	-	-	39,4	22,7	125	100	157,0
MMD/I 100-200/30	2055200004I	41	30		-	-	46,3	44,8	42,4	38,0	30,0	-	52,1	30	125	100	294,0
MMD/I 100-200/37	2055250004I	50	37		-	-	53,5	52,0	50,0	46,0	38,0	-	62,6	36	125	100	327,0

MMD4



End suction pumps in cast iron with impeller in AISI 304 and in cast iron (4 poles)

3D(4) SERIES - MD/MMD(4)

Three phase 230/400V 4 Poles

Model	Code	HP	kW	Q=Flow rate												Abs. Curr.		DNA	DNM	Weight [kg]	
				l/min	75	125	175	225	275	350	450	550	650	[A]							
				m³/h	5	8	11	14	17	21	27	33	39	230V	400V						
				H=Total head [m]																	
MMD4/1 32-250/1,1	2050070404I	1,5	1,1		18,5	17,5	15,9	12,8	-	-	-	-	-	-	-	4,2	2,4	50	32	50,0	
MMD4/1 32-250/1,5	2050080404I	2	1,5		22,0	21,2	19,4	16,5	13,0	-	-	-	-	-	-	5,6	3,2	50	32	51,0	
MMD4/1 40-250/1,5	2051080504I	2	1,5		-	18,0	17,4	16,7	15,6	13,7	-	-	-	-	-	5,6	3,2	65	40	49,0	
MMD4/1 40-250/2,2	2051100404I	3	2,2		-	22,3	21,7	21,2	20,2	18,5	-	-	-	-	-	8,3	4,8	65	40	55,0	
MMD4/1 50-250/2,2	2052100404I	3	2,2		-	-	-	18,3	17,8	17,0	15,5	13,5	11,3	-	-	8,3	4,8	65	50	58,0	
MMD4/1 50-250/3,0	2052110404I	4	3		-	-	-	22,4	22,2	21,5	20,2	18,5	16,3	-	-	11,8	6,8	65	50	65,0	

Three phase 230/400/690V 4 Poles

Model	Code	HP	kW	Q=Flow rate												Abs. Curr.			DNA	DNM	Weight [kg]	
				l/min	500	600	700	800	900	1000	1200	1400	1750	2000	[A]							
				m³/h	30	36	42	48	54	60	72	84	105	120	230V	400V	690V					
				H=Total head [m]																		
MMD4/1 65-250/4,0	2053120404I	5,5	4		19,5	19,1	18,5	17,5	16,5	15,5	12,5	-	-	-	-	14,2	8,2	-	80	65	79,0	
MMD4/1 65-250/5,5	2053130404I	7,5	5,5		23,0	22,6	22,2	21,4	20,6	19,7	17,3	14,0	-	-	-	-	10,6	6,1	80	65	103,0	
MMD4/1 80-160/1,5	2054080404I	2	1,5		-	7,7	7,5	7,3	7,0	6,7	6,1	5,4	-	-	-	5,6	3,2	-	100	80	46,0	
MMD4/1 80-160/2,2	2054100404I	3	2,2		-	9,7	9,5	9,3	9,0	8,8	8,2	7,5	6,0	-	-	8,3	4,8	-	100	80	52,0	
MMD4/1 80-200/3,0	2054110404I	4	3		-	12,0	11,7	11,5	11,3	11,0	10,0	9,0	7,0	-	-	11,8	6,8	-	100	80	68,0	
MMD4/1 80-200/4,0	2054120404I	5,5	4		-	14,4	14,2	14,0	13,8	13,5	12,6	11,6	9,0	6,5	-	14,2	8,2	-	100	80	72,0	
MMD4/1 80-250/5,5	2054130404I	7,5	5,5		-	-	-	19,2	18,9	18,5	17,6	16,5	14,0	12,0	-	-	10,6	6,1	100	80	109,0	
MMD4/1 80-250/7,5	2054140404I	10	7,5		-	-	-	22,3	22,1	21,9	21,3	20,5	18,5	16,9	-	-	16,4	9,5	100	80	119,0	

Three phase 230/400/690V 4 Poles

Model	Code	HP	kW	Q=Flow rate										Abs. Curr.			DNA	DNM	Weight [kg]		
				l/min	900	1200	1500	2000	2500	3000	3500	4000	4500	[A]							
				m³/h	54	72	90	120	150	180	210	240	270	230V	400V	690V					
				H=Total head [m]																	
MMD4/1 100-200/4,0	2055120404I	5,5	4		12,3	11,8	11,2	9,3	6,6	-	-	-	-	-	-	14,2	8,2	-	125	100	77,0
MMD4/1 100-200/5,5	2055130404I	7,5	5,5		14,5	14,0	13,4	12,0	9,8	-	-	-	-	-	-	-	10,6	6,1	125	100	103,0
MMD4/1 100-250/7,5	2055140404I	10	7,5		-	19,1	18,5	16,5	14,0	-	-	-	-	-	-	-	16,4	9,5	125	100	125,0
MMD4/1 100-250/11	2055150404I	15	11		-	21,8	21,5	19,5	17,0	12,8	-	-	-	-	-	-	22,0	12,7	125	100	168,0
MMD4/1 125-200/5,5	2056130404I	7,5	5,5		-	-	10,5	9,9	9,1	7,9	6,4	-	-	-	-	-	10,6	6,1	150	125	137,0
MMD4/1 125-200/7,5R	2056140504I	10	7,5		-	-	11,8	11,3	10,6	9,6	8,3	6,7	-	-	-	-	16,4	9,5	150	125	147,0
MMD4/1 125-200/7,5	2056140404I	10	7,5		-	-	-	12,7	12,1	11,2	10,1	8,7	7,1	-	-	-	16,4	9,5	150	125	147,0
MMD4/1 125-200/11	2056150404I	15	11		-	-	-	14,1	13,6	12,8	11,8	10,6	9,2	-	-	-	22,0	12,7	150	125	190,0
MMD4/1 125-250/11	2056160404I	15	11		-	-	-	16,7	15,5	13,9	12,0	10,0	-	-	-	-	22,0	12,7	150	125	196,0
MMD4/1 125-250/15	2056170404I	20	15		-	-	-	20,5	19,5	18,2	16,6	14,8	12,8	-	-	-	29,0	16,7	150	125	216,0

Three phase 230/400/690V 4 Poles

Model	Code	HP	kW	Q=Flow rate										Abs. Curr.		DNA	DNM	Weight [kg]		
				l/min	2000	3000	4000	4500	5000	5500	7000	8500	9500	[A]						
				m³/h	120	180	240	270	300	330	420	510	570	400V	690V					
				H=Total head [m]																
MMD4/1 150-200/7,5	2057140404I	10	7,5		11,0	9,7	7,8	6,6	5,3	-	-	-	-	-	-	16,4	9,5	200	150	180,0
MMD4/1 150-200/11 R	2057150404I	15	11		12,0	10,9	9,2	8,0	6,8	5,6	-	-	-	-	-	22,0	12,7	200	150	223,0
MMD4/1 150-200/11	2057160404I	15	11		-	13,2	11,7	10,8	9,8	8,7	-	-	-	-	-	22,0	12,7	200	150	223,0
MMD4/1 150-200/15	2057170404I	20	15		-	14,7	13,4	12,5	11,6	10,5	6,8	-	-	-	-	29,0	16,7	200	150	229,0
MMD4/1 200-250/18,5R	2058180504I	25	18,5		-	14,9	14,1	13,6	13,0	12,3	10,3	7,8	-	-	-	34,3	19,8	250	200	368,0
MMD4/1 200-250/18,5	2058180404I	25	18,5		-	15,9	15,2	14,7	14,2	13,6	11,6	9,1	-	-	-	34,3	19,8	250	200	368,0
MMD4/1 200-250/22R	2058190504I	30	22		-	-	17,6	17,1	16,6	16,0	13,9	11,2	9,0	-	-	40,2	23,2	250	200	383,0
MMD4/1 200-250/22	2058190404I	30	22		-	-	18,8	18,3	17,8	17,3	15,3	12,7	10,7	-	-	40,2	23,2	250	200	383,0

3DS(4) SERIES



End suction pumps in cast iron with impeller in AISI 304 and AISI 316

3DS SERIES is the EBARA range of Standardized pumps manufactured according to EN733 pumps with cast iron body and AISI 304 or AISI 316 stainless steel impeller. 3DS SERIES pumps represent a versatile range suitable for a lot of applications and offer significant advantages in terms of reliability, efficiency and cost saving. Suitable for handling clean water for residential, commercial, agricultural and industrial use, pressure booster sets, heating and air-conditioning systems. Also used for irrigation on farms, sports centres, washing systems.



High efficiency



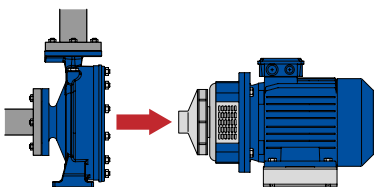
Sturdy construction



Impeller in stainless steel

Materials

Pump body	Cast iron
Impeller	AISI 304 (AISI 316 for 3DS 65)
Shaft	AISI 304
Mechanical seal	Ceramic/Carbon/NBR (standard)
Motor support	Cast iron



Back pull-out

Impeller, bracket and motor can be extracted without disconnecting the pump body from the piping for any maintenance operations

Technical data

Max. working pressure	10 bar
Max. temperature of the liquid	-5°C ÷ +90°C -5°C ÷ +110°C for H-HS-HW-HSW versions -5°C ÷ +120°C for E, U3U3EGG, U3CEGG, Q1Q1EGG, Q1U3EGG, Q1AEGG version
MEI	> 0,4
Poles	2 and 4
Insulation class	F (rise temperature class B)
Protection degree	IP55
Voltage	Three phase 230/400V ±10% (up to 4 kW included) Three phase 400/690V ±10% (from 5,5kW and above)

Accessories



Counterflanges kit

Page 389 - Galvanized counterflanges kit



Control systems

Page 362 - E-drive

Variable speed control systems

Page 367 - Control panels

1EP-E - QA50/B - QA60/C - SMART
- QM1 - QT1 - QS1

Options



Mechanical seal

Page 392 - H, HS, HS, HW, HSW, E, U3U3EGG, U3CEGG, Q1Q1EGG, Q1U3EGG, Q1AEGG

Standard Motors

IEC Standard motor is used.

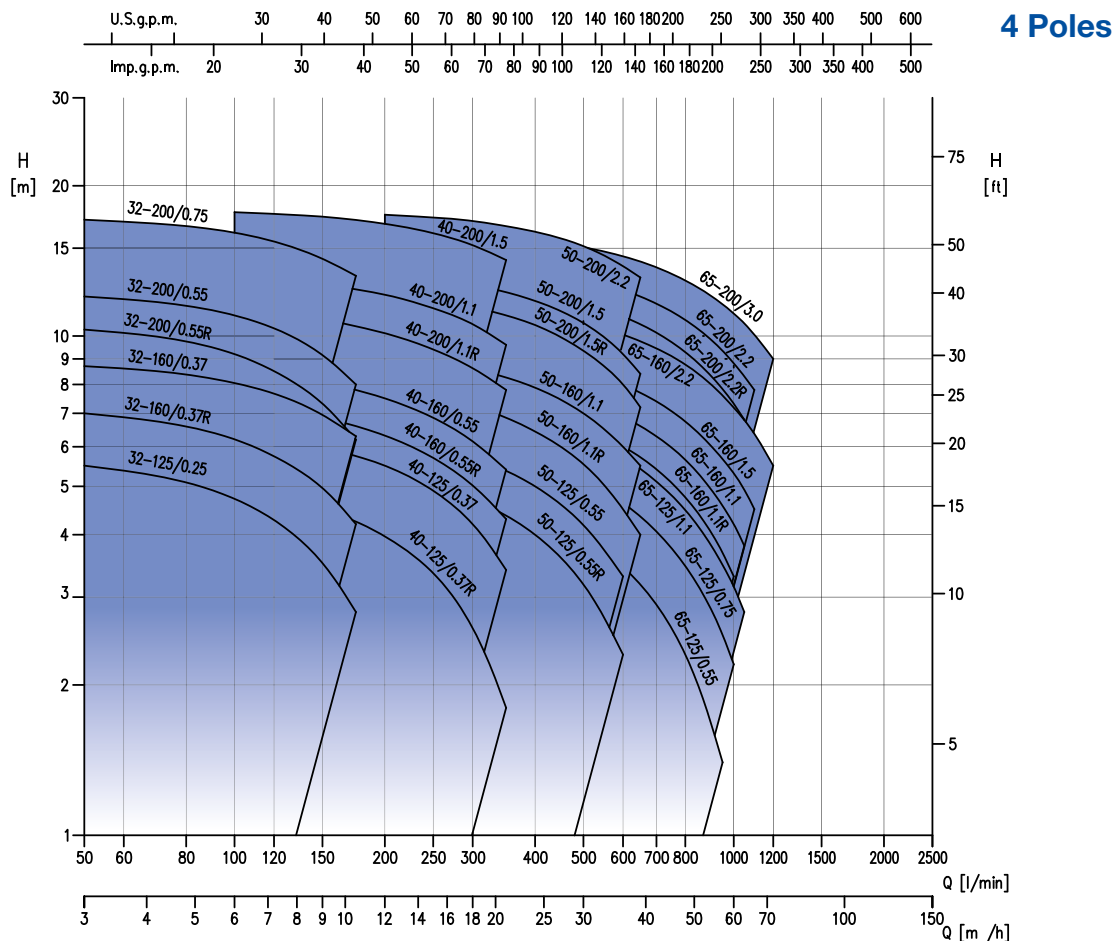
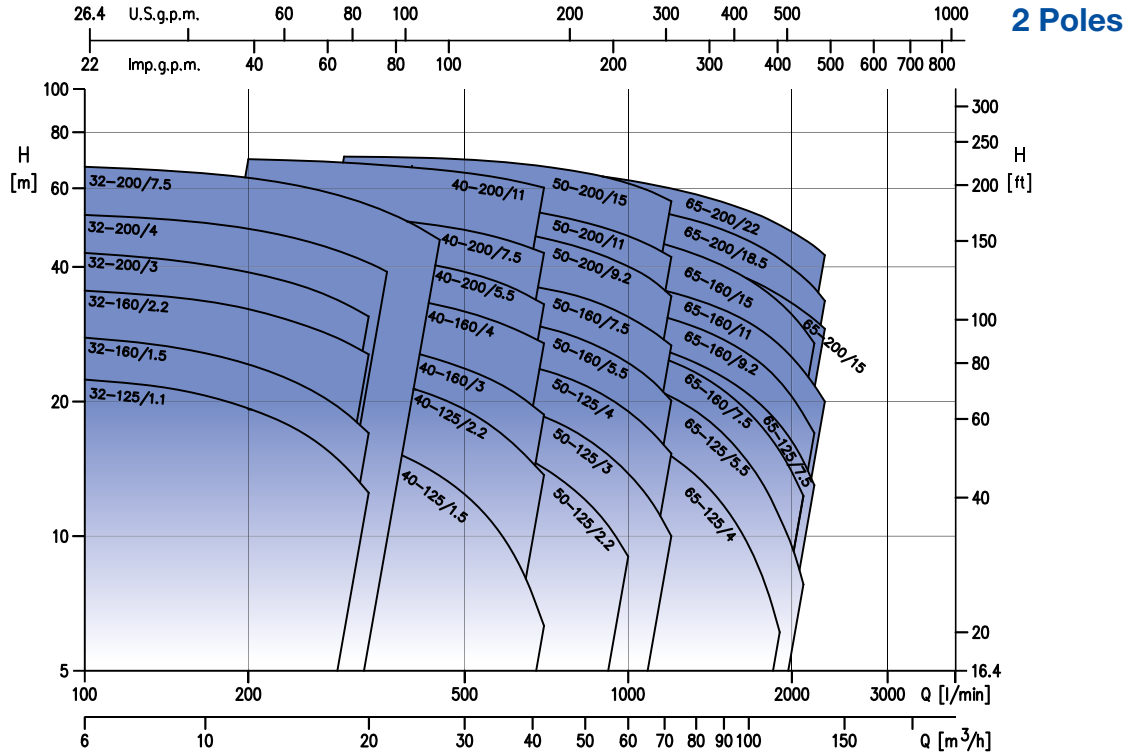
This makes easier to find a replacement motor, in case of necessity

3DS(4) SERIES

End suction pumps in cast iron with impeller in AISI 304 and AISI 316



3DS(4) SERIES



3DS SERIES



End suction pumps in cast iron with impeller in AISI 304 and AISI 316

3DS(4) SERIES

Three phase 230/400/690V																	2 Poles					
Model	Code	HP	kW	Q=Flow rate												Abs. Curr.			DNA	DNM	Weight [kg]	
				l/min	100	200	300	360	450	600	700	800	1000	1200	[A]							
				m ³ /h	6	12	18	22	27	36	42	48	60	72	230V	400V	690V					
				H=Total head [m]																		
3DS/I 32-125/1,1	2560070004I	1,5	1,1		22,4	21,2	19,3	14,4	-	-	-	-	-	-	-	-	4,2	2,4	-	50	32	32,1
3DS/I 32-160/1,5	2560080004I	2	1,5		27,5	25,9	23,7	18,5	-	-	-	-	-	-	-	-	5,2	3,0	-	50	32	36,3
3DS/I 32-160/2,2	2560100004I	3	2,2		35,4	34,1	32,2	27,3	-	-	-	-	-	-	-	-	8	4,6	-	50	32	40,4
3DS/I 32-200/3,0	2560110004I	4	3		43,0	41,0	39,0	33,0	-	-	-	-	-	-	-	-	9,7	5,6	-	50	32	59,3
3DS/I 32-200/4,0	2560120004I	5,5	4		52,5	51,0	49,0	43,0	-	-	-	-	-	-	-	-	12,1	7,0	-	50	32	60,8
3DS/I 32-200/7,5	2560140004I	10	7,5		67,0	65,0	63,0	57,0	-	-	-	-	-	-	-	-	-	13,1	7,6	50	32	92,0
3DS/I 40-125/1,5	2561080004I	2	1,5		-	-	18,2	16,8	14,8	12,4	6,3	-	-	-	-	-	5,2	3,0	-	65	40	31,9
3DS/I 40-125/2,2	2561100004I	3	2,2		-	-	24,4	23,2	21,4	19,2	13,7	-	-	-	-	-	8,0	4,6	-	65	40	35,5
3DS/I 40-160/3,0	2561110004I	4	3		-	-	29,4	27,8	25,8	23,7	18,7	-	-	-	-	-	9,7	5,6	-	65	40	65,6
3DS/I 40-160/4,0	2561120004I	5,5	4		-	-	37,2	35,7	33,8	31,8	27,0	-	-	-	-	-	12,1	7,0	-	65	40	51,8
3DS/I 40-200/5,5	2561130004I	7,5	5,5		-	-	44,5	43,0	41,0	39,0	33,0	-	-	-	-	-	-	10,0	5,8	65	40	79,7
3DS/I 40-200/7,5	2561140004I	10	7,5		-	-	53,5	52,0	50,5	48,5	43,0	-	-	-	-	-	-	13,1	7,6	65	40	88,8
3DS/I 40-200/11,0	2561160004I	15	11		-	-	70,0	68,5	67,0	65,0	60,0	-	-	-	-	-	-	19,7	11,4	65	40	130,8
3DS/I 50-125/2,2	2562100004I	3	2,2		-	-	-	-	18,0	17,0	14,2	12,6	9,0	-	-	-	8,0	4,6	-	65	50	37,9
3DS/I 50-125/3,0	2562110004I	4	3		-	-	-	-	21,5	20,8	18,5	17,1	13,8	10,0	-	-	9,7	5,6	-	65	50	44,1
3DS/I 50-125/4,0	2562120004I	5,5	4		-	-	-	-	25,8	25,3	23,5	22,2	19,0	15,3	-	-	12,1	7,0	-	65	50	52,7
3DS/I 50-160/5,5	2562130004I	7,5	5,5		-	-	-	-	32,0	31,5	29,3	27,9	24,4	20,0	-	-	-	10,0	5,8	65	50	77,3
3DS/I 50-160/7,5	2562140004I	10	7,5		-	-	-	-	38,2	37,6	35,8	34,5	30,9	26,7	-	-	-	13,1	7,6	65	50	99,5
3DS/I 50-200/9,2	2562150004I	12,5	9,2		-	-	-	-	-	49,5	46,5	44,5	40,0	34,4	-	-	-	16,5	9,5	65	50	104,0
3DS/I 50-200/11,0	2562160004I	15	11		-	-	-	-	-	55,5	52,5	51,0	47,0	42,0	-	-	-	19,7	11,4	65	50	130,8
3DS/I 50-200/15,0	2562170004I	20	15		-	-	-	-	-	69,5	67,0	65,5	61,5	56,0	-	-	-	26,7	15,4	65	50	166,9

Pumps supplied without counterflanges. See counterflanges kit on page 389
 "SCA" version with drain plug available with a 5% increase on the price list.
 "K2 SCA" version available: tropicalized motor with drain plug with 20% increase on the price list.

Three phase 230/400/690V																	2 Poles					
Model	Code	HP	kW	Q=Flow rate												Abs. Curr.			DNA	DNM	Weight [kg]	
				l/min	700	900	1300	1500	1700	1900	2100	2200	2300	[A]								
				m ³ /h	42	54	78	90	102	114	126	132	138	230V	400V	690V						
				H=Total head [m]																		
3DS/I 65-125/4,0	2563120004I	5,5	4		20,4	19,8	17,2	14,0	10,4	6,0	-	-	-	-	-	-	12,1	7,0	-	80	65	65,4
3DS/I 65-125/5,5	2563130004I	7,5	5,5		-	25,0	22,5	19,4	15,5	11,0	8,0	-	-	-	-	-	-	10,0	5,8	80	65	76,3
3DS/M 65-125/7,5	2563140004M	10	7,5		-	29,6	27,5	24,7	21,5	17,8	14,7	13,0	-	-	-	-	-	13,1	7,6	80	65	99,9
3DS/M 65-160/7,5	2566140004M	10	7,5		-	29,0	26,6	23,5	19,8	15,5	12,3	-	-	-	-	-	-	13,1	7,6	80	65	99,2
3DS/M 65-160/9,2	2563150004M	12,5	9,2		-	34,7	32,4	29,6	26,3	22,2	18,8	17,0	-	-	-	-	-	16,5	9,5	80	65	108,0
3DS/M 65-160/11,0	2563160004M	15	11		-	39,0	37,0	34,0	31,0	27,0	23,0	22,0	20,0	-	-	-	-	19,7	11,4	80	65	106,8
3DS/M 65-160/15,0	2563170004M	20	15		-	46,0	44,0	41,5	38,4	34,6	31,9	30,5	29,0	-	-	-	-	26,7	15,4	80	65	142,9
3DS/M 65-200/15,0	2566170004M	20	15		-	51,0	47,0	43,0	38,6	33,3	29,2	27,0	-	-	-	-	-	26,7	15,4	80	65	156,9
3DS/M 65-200/18,5	2563180004M	25	18,5		-	58,0	55,0	51,0	47,0	41,5	37,9	35,9	33,6	-	-	-	-	33,0	19,1	80	65	158,5
3DS/M 65-200/22,0	2563190004M	30	22		-	65,5	62,5	58,5	54,5	49,5	46,0	44,5	42,5	-	-	-	-	38,0	22,0	80	65	197,0

Pumps supplied without counterflanges. See counterflanges kit on page 389
 "SCA" version with drain plug available with a 5% increase on the price list.
 "K2 SCA" version available: tropicalized motor with drain plug with 20% increase on the price list.



3DS4 SERIES



End suction pumps in cast iron with impeller in AISI 304 and AISI 316 (4 poles)

Three phase 230/400V														4 Poles					
Model	Code	HP	kW	Q=Flow rate										Abs. Curr. [A]		DNA	DNM	Weight [kg]	
				l/min	50	100	150	175	200	250	300	350	230V	400V					
				m³/h	3	6	9	10,5	12	15	18	21							
H=Total head [m]																			
3DS4 32-125/0,25	2560010004	0,33	0,25		5,5	4,7	3,5	2,8	-	-	-	-	1,6	0,9	50	32	24,3		
3DS4 32-160/0,37R	2569020004	0,5	0,37		7,0	6,2	5,0	4,2	-	-	-	-	2,1	1,2	50	32	29,9		
3DS4 32-160/0,37	2560020004	0,5	0,37		8,7	8,1	7,0	6,3	-	-	-	-	2,1	1,2	50	32	30,1		
3DS4 32-200/0,55R	2569030004	0,75	0,55		10,3	9,2	7,3	6,2	-	-	-	-	2,8	1,6	50	32	39,4		
3DS4 32-200/0,55	2560030004	0,75	0,55		12,0	11,0	9,2	8,0	-	-	-	-	2,8	1,6	50	32	44,4		
3DS4/I 32-200/0,75	2560050004I	1	0,75		17,1	16,1	14,3	13,2	-	-	-	-	3,1	1,8	50	32	40,9		
3DS4 40-125/0,37R	2568020004	0,5	0,37		-	4,8	4,5	4,3	4,0	3,4	2,6	1,8	2,1	1,2	65	40	25,3		
3DS4 40-125/0,37	2561020004	0,5	0,37		-	6,3	6,0	5,8	5,5	4,9	4,2	3,4	2,1	1,2	65	40	25,3		
3DS4 40-160/0,55R	2568030004	0,75	0,55		-	7,3	6,9	6,6	6,3	5,7	5,0	4,3	2,8	1,6	65	40	35,6		
3DS4 40-160/0,55	2561030004	0,75	0,55		-	8,6	8,1	7,8	7,5	6,9	6,2	5,4	2,8	1,6	65	40	35,6		
3DS4/I 40-200/1,1R	2568070004I	1,5	1,1		-	11,2	10,8	10,5	10,1	9,4	8,6	7,8	4,3	2,5	65	40	49,2		
3DS4/I 40-200/1,1	2561070004I	1,5	1,1		-	13,2	12,7	12,4	12,1	11,4	10,6	9,6	4,3	2,5	65	40	49,2		
3DS4/I 40-200/1,5	2568080004I	2	1,5		-	17,7	17,3	17,1	16,8	16,1	15,2	14,2	6,2	3,6	65	40	50,8		

Pumps supplied without counterflanges. See counterflanges kit on page 389
 "SCA" version with drain plug available with a 5% increase on the price list.
 "K2 SCA" version available: tropicalized motor with drain plug with 20% increase on the price list.

Three phase 230/400V														4 Poles					
Model	Code	HP	kW	Q=Flow rate										Abs. Curr. [A]		DNA	DNM	Weight [kg]	
				l/min	200	250	300	350	500	600	800	950	1050	1200	230V				400V
				m³/h	12	15	18	21	30	36	48	57	63	72					
H=Total head [m]																			
3DS4 50-125/0,55R	2567030004	0,75	0,55		5,2	5,0	4,7	4,4	3,2	2,3	-	-	-	-	2,8	1,6	65	50	36,0
3DS4 50-125/0,55	2562030004	0,75	0,55		6,2	6,0	5,7	5,4	4,2	3,3	-	-	-	-	2,8	1,6	65	50	36,0
3DS4/I 50-160/1,1R	2567070004I	1,5	1,1		7,8	7,6	7,2	6,9	5,5	4,5	-	-	-	-	4,3	2,5	65	50	49,8
3DS4/I 50-160/1,1	2562070004I	1,5	1,1		9,1	8,9	8,6	8,3	7,0	6,0	-	-	-	-	4,3	2,5	65	50	49,8
3DS4/I 50-200/1,5R	2567080004I	2	1,5		12,1	11,8	11,4	11,0	9,3	8,0	-	-	-	-	6,2	3,6	65	50	52,6
3DS4/I 50-200/1,5	2562080004I	2	1,5		13,3	13,0	12,7	12,2	10,6	9,2	-	-	-	-	6,2	3,6	65	50	52,6
3DS4/I 50-200/2,2	2567100004I	3	2,2		17,5	17,3	17,0	16,6	15,1	13,8	-	-	-	-	10,2	5,9	65	50	56,3
3DS4/H 65-125/0,55	2563030004H	0,75	0,55		-	-	4,8	4,6	4,0	3,5	2,3	1,4	-	-	2,8	1,6	80	65	36,8
3DS4/I 65-125/0,75	2563050004I	1	0,75		-	-	6,0	5,8	5,2	4,6	3,5	2,5	-	-	3,1	1,8	80	65	45,3
3DS4/I 65-125/1,1	2563070004I	1,5	1,1		-	-	7,2	7,0	6,3	5,7	4,5	3,5	2,8	-	4,3	2,5	80	65	47,5
3DS4/I 65-160/1,1	2566070004I	1,5	1,1		-	-	-	8,1	7,4	6,9	5,7	4,6	3,8	-	4,3	2,5	80	65	49,3
3DS4/I 65-160/1,5	2563080004I	2	1,5		-	-	-	9,2	8,5	8,0	6,7	5,7	4,9	-	6,2	3,6	80	65	61,7
3DS4/I 65-160/2,2	2563100004I	3	2,2		-	-	-	11,3	10,6	10,1	8,8	7,6	6,8	5,5	10,2	5,9	80	65	62,5
3DS4/I 65-200/2,2R	2565100004I	3	2,2		-	-	-	12,4	11,6	10,9	9,3	7,8	6,8	-	10,2	5,9	80	65	59,4
3DS4/I 65-200/2,2	2566100004I	3	2,2		-	-	-	13,9	13,0	12,4	10,8	9,3	8,3	-	10,2	5,9	80	65	59,9
3DS4/I 65-200/3,0	2563110004I	4	3		-	-	-	15,8	15,1	14,4	12,9	11,6	10,6	9	11,8	6,8	80	65	65,0

Pumps supplied without counterflanges. See counterflanges kit on page 389
 "SCA" version with drain plug available with a 5% increase on the price list.
 "K2 SCA" version available: tropicalized motor with drain plug with 20% increase on the price list.

3DS(4) SERIES

3DP(4) SERIES



End suction pumps in cast iron with impeller in AISI 304 and AISI 316

3DP SERIES is the EBARA range of Standardized pumps manufactured according to EN733 pumps with cast iron body and AISI 304 or AISI 316 stainless steel impeller. 3DP SERIES pumps represent a versatile range suitable for a lot of applications and offer significant advantages in terms of reliability, efficiency and cost saving. Suitable for handling clean water for residential, commercial, agricultural and industrial use, pressure booster sets, heating and air-conditioning systems. Also used for irrigation on farms, sports centres, washing systems.



High efficiency



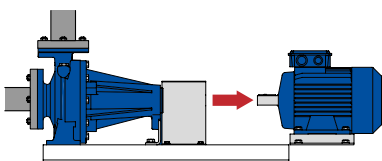
Sturdy construction



Impeller in stainless steel

Materials

Pump body	Cast iron
Impeller	AISI 304 (AISI 316 for 3DP 65)
Shaft	AISI 304
Mechanical seal	Ceramic/Carbon/NBR (standard)
Motor support	Cast iron



Back pull-out

Impeller, bracket and motor can be extracted without disconnecting the pump body from the piping for any maintenance operations

Technical data

Max. working pressure	10 bar
Max. temperature of the liquid	-5°C ÷ +90°C -5°C ÷ +110°C for H-HS-HW-HSW versions -5°C ÷ +120°C for E, U3U3EGG, U3CEGG, Q1Q1EGG, Q1U3EGG, Q1AEGG version
MEI	> 0,4
Poles	2 and 4
Insulation class	F (rise temperature class B)
Protection degree	IP55
Voltage	Three phase 230/400V ±10% (up to 4 kW included) Three phase 400/690V ±10% (from 5,5kW and above)

Accessories



Counterflanges kit

Page 389 - Galvanized counterflanges kit



Control systems

Page 362 - E-drive

Variable speed control systems

Page 367 - Control panels

1EP-E - QA50/B - QA60/C - SMART
- QM1 - QT1 - QS1

Options



Mechanical seal

Page 392 - H, HS, HS, HW, HSW, E, U3U3EGG, U3CEGG, Q1Q1EGG, Q1U3EGG, Q1AEGG

Standard Motors

IEC Standard motor is used.

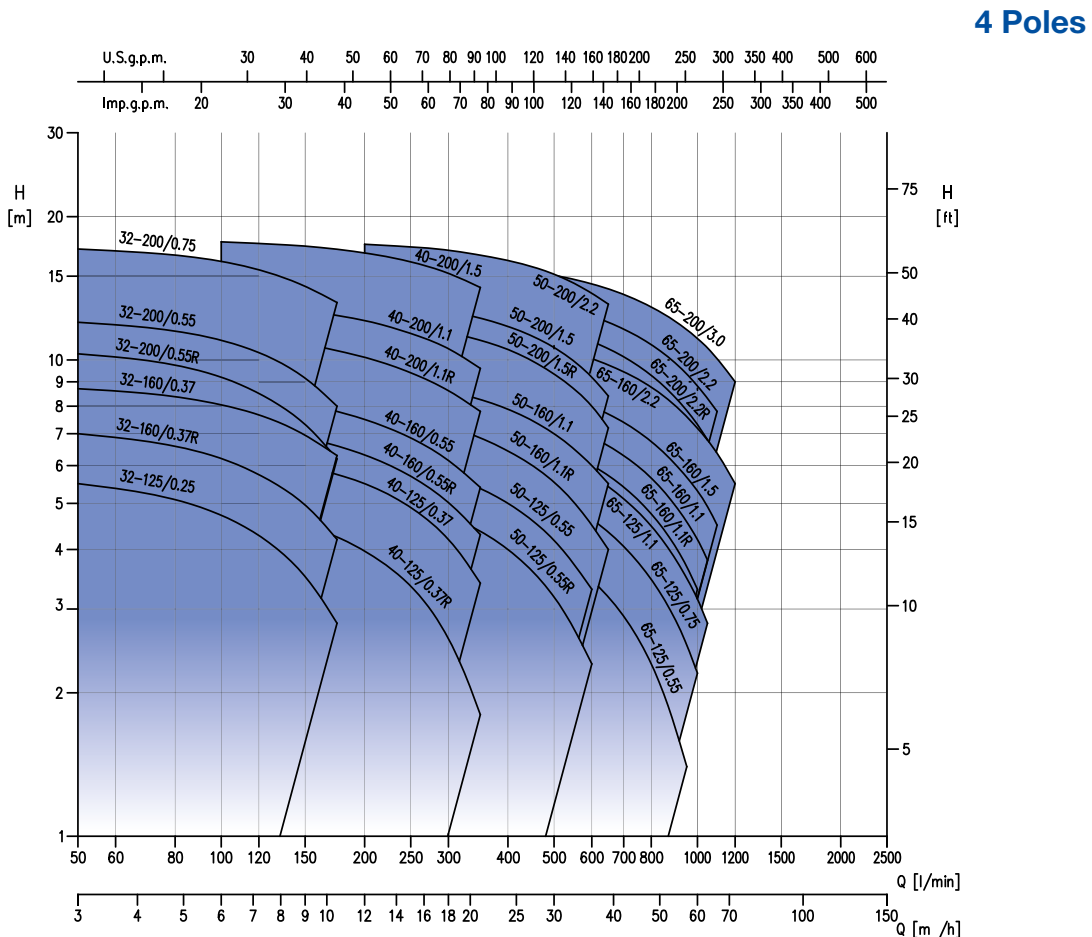
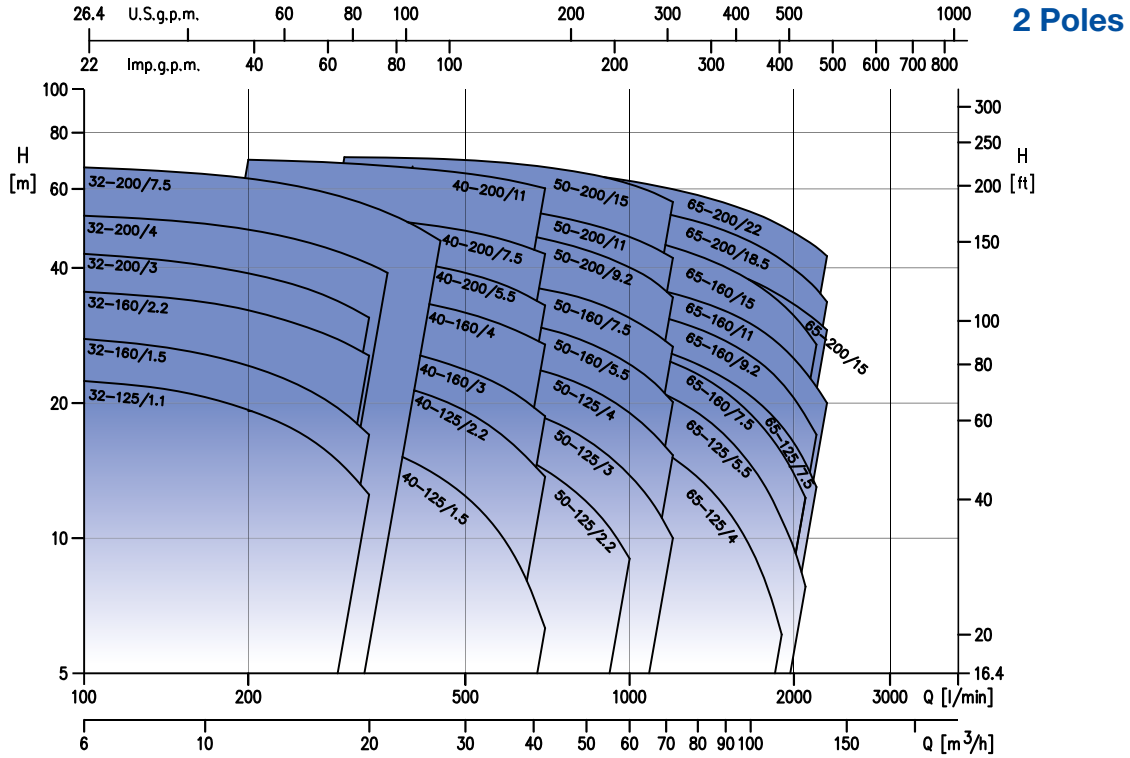
This makes easier to find a replacement motor, in case of necessity

3DP(4) SERIES

End suction pumps in cast iron with impeller in AISI 304 and AISI 316



3DP(4) SERIES



3DP SERIES



End suction pumps in cast iron with impeller in AISI 304 and AISI 316

3DS(4) SERIES

Three phase 230/400/690V																2 Poles					
Model	Code	HP	kW	Q=Flow rate												Abs. Curr. [A]			DNA	DNM	Weight [kg]
				I/min	100	200	300	360	450	600	700	800	1000	1200	230V	400V	690V				
				m ³ /h	6	12	18	22	27	36	42	48	60	72							
H=Total head [m]																					
3DP/I 32-125/1,1	2570070004I	1,5	1,1		22,4	21,2	19,3	14,4	-	-	-	-	-	-	-	4,2	2,4	-	50	32	62,1
3DP/I 32-160/1,5	2570080004I	2	1,5		27,5	25,9	23,7	18,5	-	-	-	-	-	-	-	5,2	3,0	-	50	32	58,5
3DP/I 32-160/2,2	2570100004I	3	2,2		35,4	34,1	32,2	27,3	-	-	-	-	-	-	-	8	4,6	-	50	32	61,5
3DP/I 32-200/3,0	2570110004I	4	3		43,0	41,0	39,0	33,0	-	-	-	-	-	-	-	9,7	5,6	-	50	32	83,9
3DP/I 32-200/4,0	2570120004I	5,5	4		52,5	51,0	49,0	43,0	-	-	-	-	-	-	-	12,1	7,0	-	50	32	86,9
3DP/I 32-200/7,5	2570140004I	10	7,5		67,0	65,0	63,0	57,0	-	-	-	-	-	-	-	13,1	7,6	50	32	117,2	
3DP/I 40-125/1,5	2571080004I	2	1,5		-	-	18,2	16,8	14,8	12,4	6,3	-	-	-	-	5,2	3,0	-	65	40	76,2
3DP/I 40-125/2,2	2571100004I	3	2,2		-	-	24,4	23,2	21,4	19,2	13,7	-	-	-	-	8,0	4,6	-	65	40	56,9
3DP/I 40-160/3,0	2571110004I	4	3		-	-	29,4	27,8	25,8	23,7	18,7	-	-	-	-	9,7	5,6	-	65	40	93,4
3DP/I 40-160/4,0	2571120004I	5,5	4		-	-	37,2	35,7	33,8	31,8	27,0	-	-	-	-	12,1	7,0	-	65	40	74,8
3DP/I 40-200/5,5	2571130004I	7,5	5,5		-	-	44,5	43,0	41,0	39,0	33,0	-	-	-	-	10,0	5,8	65	40	105,0	
3DP/I 40-200/7,5	2571140004I	10	7,5		-	-	53,5	52,0	50,5	48,5	43,0	-	-	-	-	13,1	7,6	65	40	113,7	
3DP/I 40-200/11,0	2571160004I	15	11		-	-	70,0	68,5	67,0	65,0	60,0	-	-	-	-	19,7	11,4	65	40	140,6	
3DP/I 50-125/2,2	2572100004I	3	2,2		-	-	-	-	18,0	17,0	14,2	12,6	9,0	-	8,0	4,6	-	65	50	80,0	
3DP/I 50-125/3,0	2572110004I	4	3		-	-	-	-	21,5	20,8	18,5	17,1	13,8	10,0	9,7	5,6	-	65	50	91,1	
3DP/I 50-125/4,0	2572120004I	5,5	4		-	-	-	-	25,8	25,3	23,5	22,2	19,0	15,3	12,1	7,0	-	65	50	91,7	
3DP/I 50-160/5,5	2572130004I	7,5	5,5		-	-	-	-	32,0	31,5	29,3	27,9	24,4	20,0	-	10,0	5,8	65	50	111,5	
3DP/I 50-160/7,5	2572140004I	10	7,5		-	-	-	-	38,2	37,6	35,8	34,5	30,9	26,7	-	13,1	7,6	65	50	115,4	
3DP/I 50-200/9,2	2572150004I	12,5	9,2		-	-	-	-	-	49,5	46,5	44,5	40,0	34,4	-	16,5	9,5	65	50	124,1	
3DP/I 50-200/11,0	2572160004I	15	11		-	-	-	-	-	55,5	52,5	51,0	47,0	42,0	-	19,7	11,4	65	50	144,4	
3DP/I 50-200/15,0	2572170004I	20	15		-	-	-	-	-	69,5	67,0	65,5	61,5	56,0	-	26,7	15,4	65	50	154,4	

Pumps supplied without counterflanges. See counterflanges kit on page 389
 "K2 SCA" version available: tropicalized motor with drain plug with 20% increase on the price list.

Three phase 230/400/690V																2 Poles					
Model	Code	HP	kW	Q=Flow rate										Abs. Curr. [A]			DNA	DNM	Weight [kg]		
				I/min	700	900	1300	1500	1700	1900	2100	2200	2300	230V	400V	690V					
				m ³ /h	42	54	78	90	102	114	126	132	138								
H=Total head [m]																					
3DP/I 65-125/4,0	2573120004I	5,5	4		20,4	19,8	17,2	14,0	10,4	6,0	-	-	-	-	12,1	7,0	-	80	65	70,9	
3DP/I 65-125/5,5	2573130004I	7,5	5,5		-	25,0	22,5	19,4	15,5	11,0	8,0	-	-	-	-	10,0	5,8	80	65	115,3	
3DP/M 65-125/7,5	2573140004M	10	7,5		-	29,6	27,5	24,7	21,5	17,8	14,7	13,0	-	-	-	13,1	7,6	80	65	129,9	
3DP/M 65-160/7,5	2576140004M	10	7,5		-	29,0	26,6	23,5	19,8	15,5	12,3	-	-	-	-	13,1	7,6	80	65	133,2	
3DP/M 65-160/9,2	2573150004M	12,5	9,2		-	34,7	32,4	29,6	26,3	22,2	18,8	17,0	-	-	-	16,5	9,5	80	65	138,0	
3DP/M 65-160/11,0	2573160004M	15	11		-	39,0	37,0	34,0	31,0	27,0	23,0	22,0	20,0	-	-	19,7	11,4	80	65	144,8	
3DP/M 65-160/15,0	2573170004M	20	15		-	46,0	44,0	41,5	38,4	34,6	31,9	30,5	29,0	-	-	26,7	15,4	80	65	151,0	
3DP/M 65-200/15,0	2576170004M	20	15		-	51,0	47,0	43,0	38,6	33,3	29,2	27,0	-	-	-	26,7	15,4	80	65	156,0	
3DP/M 65-200/18,5	2573180004M	25	18,5		-	58,0	55,0	51,0	47,0	41,5	37,9	35,9	33,6	-	-	33,0	19,1	80	65	156,2	
3DP/M 65-200/22,0	2573190004M	30	22		-	65,5	62,5	58,5	54,5	49,5	46,0	44,5	42,5	-	-	38,0	22,0	80	65	211,0	

Pumps supplied without counterflanges. See counterflanges kit on page 389
 "K2 SCA" version available: tropicalized motor with drain plug with 20% increase on the price list.

3DP4 SERIES



End suction pumps in cast iron with impeller in AISI 304 and AISI 316 (4 poles)

Three phase 230/400V														4 Poles					
Model	Code	HP	kW	Q=Flow rate									Abs. Curr. [A]		DNA	DNM	Weight [kg]		
				I/min	50	100	150	175	200	250	300	350	230V	400V					
				m ³ /h	3	6	9	10,5	12	15	18	21							
H=Total head [m]																			
3DP4 32-125/0,25	2570010004	0,33	0,25		5,5	4,7	3,5	2,8	-	-	-	-	1,6	0,9	50	32	45,9		
3DP4 32-160/0,37R	2579020004	0,5	0,37		7,0	6,2	5,0	4,2	-	-	-	-	2,1	1,2	50	32	52,4		
3DP4 32-160/0,37	2570020004	0,5	0,37		8,7	8,1	7,0	6,3	-	-	-	-	2,1	1,2	50	32	52,4		
3DP4 32-200/0,55R	2579030004	0,75	0,55		10,3	9,2	7,3	6,2	-	-	-	-	2,8	1,6	50	32	64,9		
3DP4 32-200/0,55	2570030004	0,75	0,55		12,0	11,0	9,2	8,0	-	-	-	-	2,8	1,6	50	32	64,9		
3DP4/I 32-200/0,75	2570050004I	1	0,75		17,1	16,1	14,3	13,2	-	-	-	-	3,1	1,8	50	32	65,9		
3DP4 40-125/0,37R	2578020004	0,5	0,37		-	4,8	4,5	4,3	4,0	3,4	2,6	1,8	2,1	1,2	65	40	55,6		
3DP4 40-125/0,37	2571020004	0,5	0,37		-	6,3	6,0	5,8	5,5	4,9	4,2	3,4	2,1	1,2	65	40	55,6		
3DP4 40-160/0,55R	2578030004	0,75	0,55		-	7,3	6,9	6,6	6,3	5,7	5,0	4,3	2,8	1,6	65	40	56,6		
3DP4 40-160/0,55	2571030004	0,75	0,55		-	8,6	8,1	7,8	7,5	6,9	6,2	5,4	2,8	1,6	65	40	56,6		
3DP4/I 40-200/1,1R	2578070004I	1,5	1,1			11,2	10,8	10,5	10,1	9,4	8,6	7,8	4,3	2,5	65	40	76,4		
3DP4/I 40-200/1,1	2571070004I	1,5	1,1			13,2	12,7	12,4	12,1	11,4	10,6	9,6	4,3	2,5	65	40	76,4		
3DP4/I 40-200/1,5	2578080004I	2	1,5			17,7	17,3	17,1	16,8	16,1	15,2	14,2	6,2	3,6	65	40	79,3		

Pumps supplied without counterflanges. See counterflanges kit on page 389
 "K2 SCA" version available: tropicalized motor with drain plug with 20% increase on the price list.

Three phase 230/400V														4 Poles					
Model	Code	HP	kW	Q=Flow rate										Abs. Curr. [A]		DNA	DNM	Weight [kg]	
				I/min	200	250	300	350	500	600	800	950	1050	1200	230V				400V
				m ³ /h	12	15	18	21	30	36	48	57	63	72					
H=Total head [m]																			
3DP4 50-125/0,55R	2577030004	0,75	0,55		5,2	5,0	4,7	4,4	3,2	2,3	-	-	-	-	2,8	1,6	65	50	57,3
3DP4 50-125/0,55	2572030004	0,75	0,55		6,2	6,0	5,7	5,4	4,2	3,3	-	-	-	-	2,8	1,6	65	50	57,3
3DP4/I 50-160/1,1R	2577070004I	1,5	1,1		7,8	7,6	7,2	6,9	5,5	4,5	-	-	-	-	4,3	2,5	65	50	68,3
3DP4/I 50-160/1,1	2572070004I	1,5	1,1		9,1	8,9	8,6	8,3	7,0	6,0	-	-	-	-	4,3	2,5	65	50	68,3
3DP4/I 50-200/1,5R	2577080004I	2	1,5		12,1	11,8	11,4	11,0	9,3	8,0	-	-	-	-	6,2	3,6	65	50	79,5
3DP4/I 50-200/1,5	2572080004I	2	1,5		13,3	13,0	12,7	12,2	10,6	9,2	-	-	-	-	6,2	3,6	65	50	79,5
3DP4/I 50-200/2,2	2577100004I	3	2,2		17,5	17,3	17,0	16,6	15,1	13,8	-	-	-	-	10,2	5,9	65	50	83,3
3DP4/H 65-125/0,55	2573030004H	0,75	0,55		-	-	4,8	4,6	4,0	3,5	2,3	1,4	-	-	2,8	1,6	80	65	63,8
3DP4/I 65-125/0,75	2573050004I	1	0,75		-	-	6,0	5,8	5,2	4,6	3,5	2,5	-	-	3,1	1,8	80	65	63,8
3DP4/I 65-125/1,1	2573070004I	1,5	1,1		-	-	7,2	7,0	6,3	5,7	4,5	3,5	2,8	-	4,3	2,5	80	65	73,5
3DP4/I 65-160/1,1	2576070004I	1,5	1,1		-	-	-	8,1	7,4	6,9	5,7	4,6	3,8	-	4,3	2,5	80	65	80,8
3DP4/I 65-160/1,5	2573080004I	2	1,5		-	-	-	9,2	8,5	8,0	6,7	5,7	4,9	-	6,2	3,6	80	65	82,2
3DP4/I 65-160/2,2	2573100004I	3	2,2		-	-	-	11,3	10,6	10,1	8,8	7,6	6,8	5,5	10,2	5,9	80	65	88,0
3DP4/I 65-200/2,2R	2575100004I	3	2,2		-	-	-	12,4	11,6	10,9	9,3	7,8	6,8	-	10,2	5,9	80	65	90,9
3DP4/I 65-200/2,2	2576100004I	3	2,2		-	-	-	13,9	13,0	12,4	10,8	9,3	8,3	-	10,2	5,9	80	65	90,9
3DP4/I 65-200/3,0	2573110004I	4	3		-	-	-	15,8	15,1	14,4	12,9	11,6	10,6	9	11,8	6,8	80	65	94,0

Pumps supplied without counterflanges. See counterflanges kit on page 389
 "K2 SCA" version available: tropicalized motor with drain plug with 20% increase on the price list.

3DS(4) SERIES

GS Series



Standardised end suction pumps

The new GS pumps unite top technical and performance features in one single solution: an extensive range (from DN 32 to size DN 200-500), variety of available materials, easy of maintenance and hydraulic efficiency - all made even better by an ability to interact with EBARA's electronic solutions. GS is the ideal solution for applications in industrial processes, for cooling, air-conditioning, pressurisation and fire-fighting systems.

GS SERIES



High efficiency



Sturdy construction



Available with bronze or cast iron impeller

Technical data

Max. working pressure:	16 bar
Max. temperature of the liquid	-10°C to 120°C
MEI	> 0,6
Poles	2, 4
Insulation class	F
Protection degree	IP55
Voltage	Three phase 230/400V ±10%

Materials

Pump body	Cast iron
Impeller	Cast iron, ductile cast iron, bronze
Shaft	AISI 431
Mechanical seal	Mechanical type (SiC/Carbon/EPDM), Gland Packing (Silicon Carbide fiber)
Supporto motore	Cast iron

Accessories



Control systems

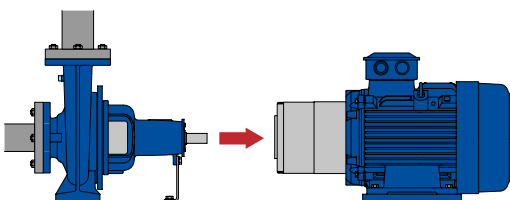
 Page 362 - **E-drive**

Variable speed control systems

 Pag. 371 - **Control panels**

QS1 SERIES

For further information please contact our Sales Network



Back pull-out

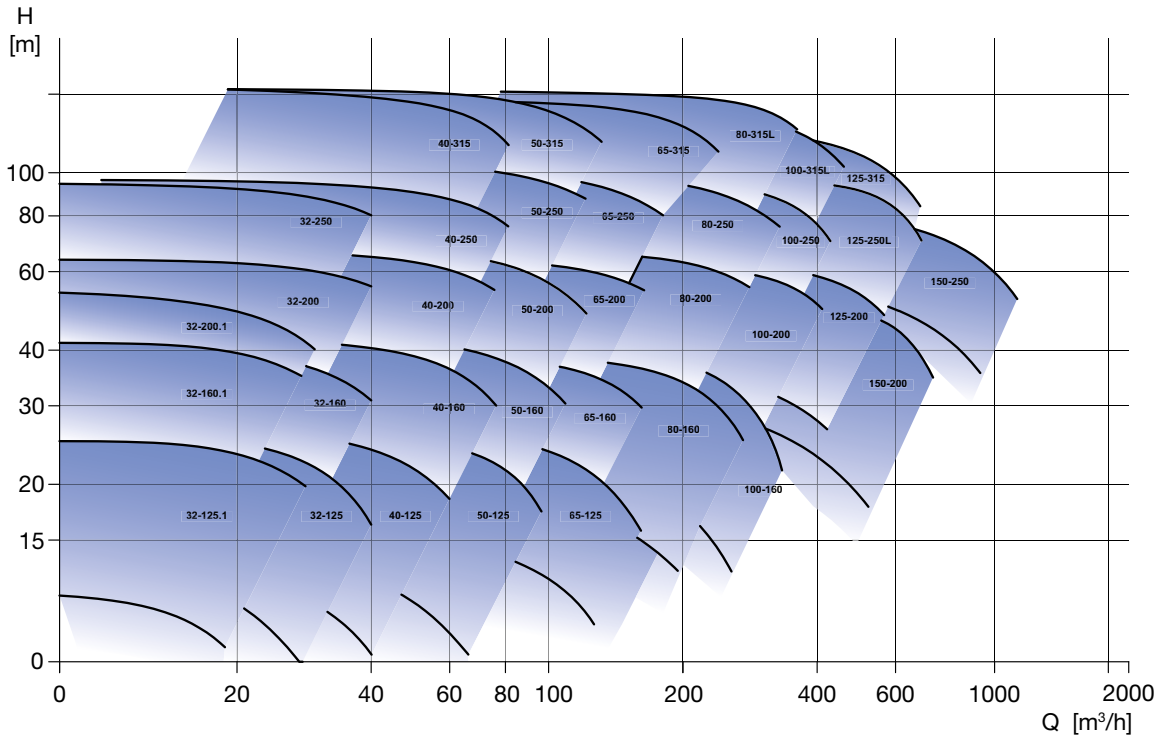
Impeller, bracket and motor can be extracted without disconnecting the pump body from the piping for any maintenance operations

GS Series

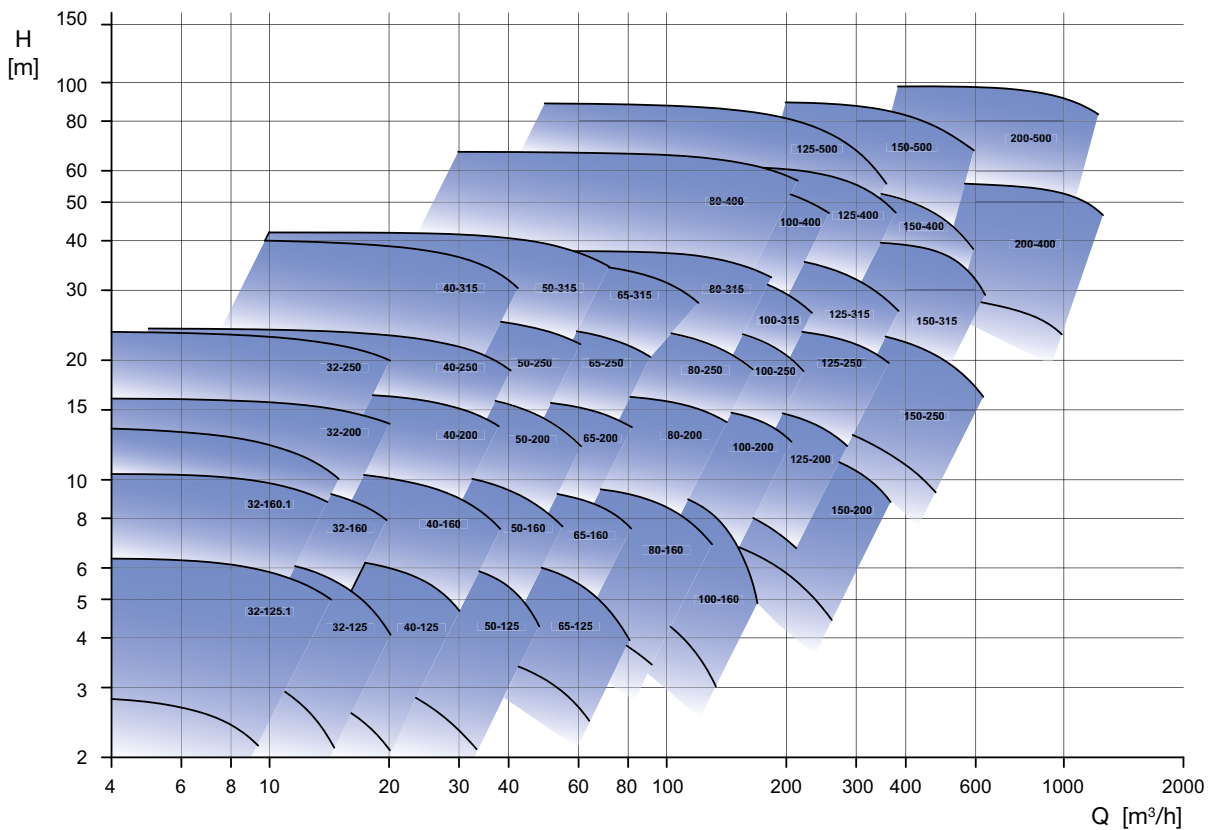
Standardised end suction pumps



2 poles



4 poles



Multistage pumps

MULTISTAGE

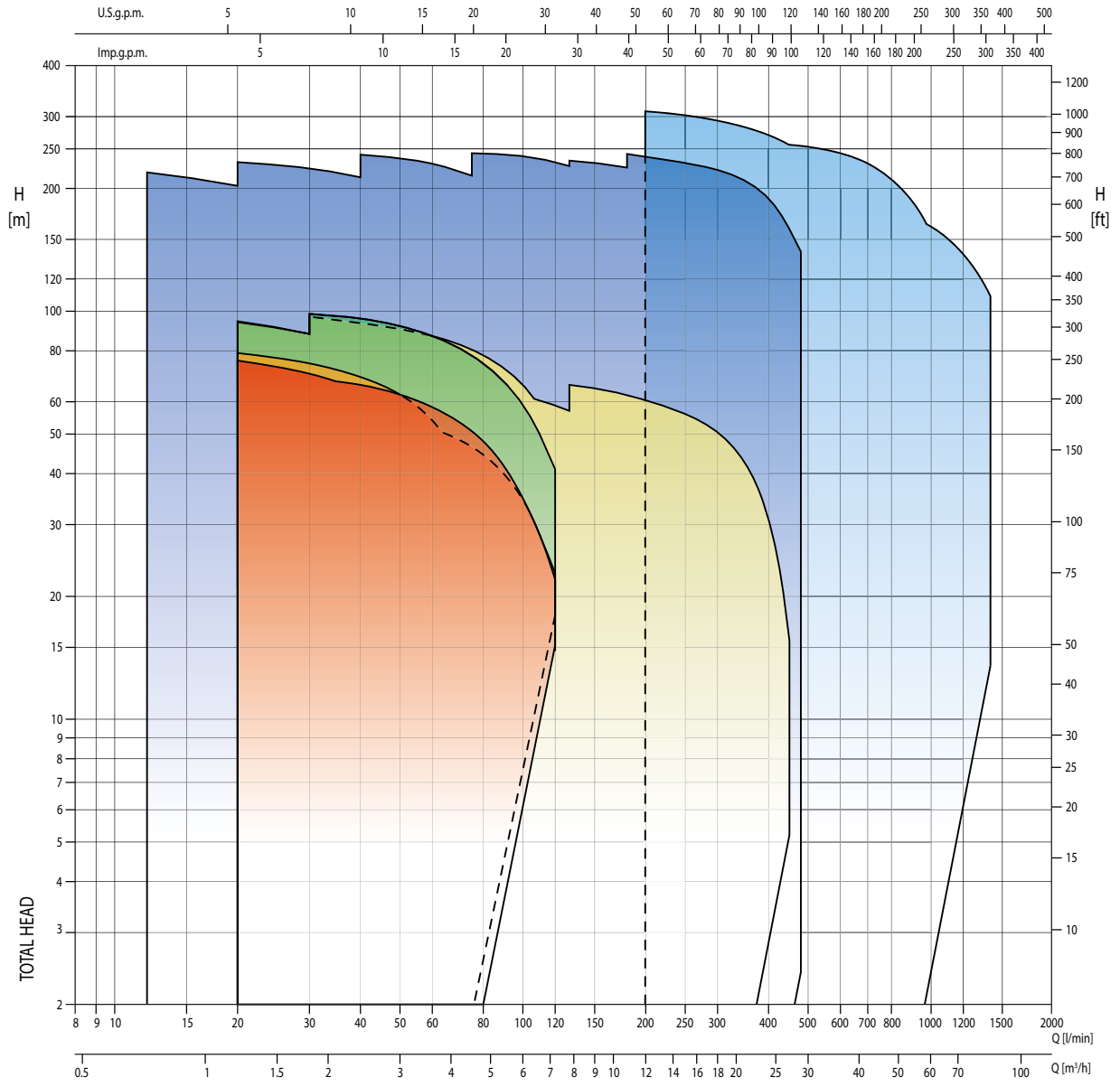
Model	Pump body	Impeller material	Type	Max. working pressure
COMPACT	Cast iron	PPE + PS	Horizontal	10 bar
MATRIX	AISI 304	AISI 304	Horizontal	10 bar
CVM	Cast iron	PPE + PS	Vertical	11 bar
MULTIGO	AISI 304	PPE + PS	Vertical	11 bar
EVMS - EVMSG - EVMSL	AISI 304 / AISI 316 / Cast iron ¹	AISI 304/316 ²	Vertical	16 bar for oval flanged version 25 bar for the rest of the range
EVM - EVMG - EVML	AISI 304 / AISI 316 / Cast iron ³	AISI 304 / AISI 316	Vertical	16, 25, 30 bar

PPE+PS= Technopolymer reinforced with fibreglass - SS= Stainless steel

¹ AISI 304 for EVMS - Cast iron for EVMSG - AISI 316 for EVMSL (version on request, please contact our sales network)

² AISI 316 for EVSML

³ AISI 304 for EVM - Cast iron for EVMG - AISI 316 for EVML (version on request, please contact our sales network)





COMPACT

105

Horizontal multistage centrifugal pumps in cast iron



MATRIX

109

Horizontal multistage centrifugal pumps in AISI 304 stainless steel



CVM

113

Vertical multistage centrifugal pumps in cast iron



MULTIGO

118

Vertical multistage centrifugal pumps in AISI 304 stainless steel



EVMS - EVMSG - EVMSL

121

Vertical multistage pumps in cast iron, in AISI 304 and AISI 316 stainless steel



EVM - EVMG - EVML

141

Vertical multistage pumps in cast iron, in AISI 304 and AISI 316 stainless steel



EVM(S)G with E-drive

146

Vertical multistage pumps in cast iron with variable frequency drive

COMPACT



Horizontal multistage centrifugal pumps in cast iron

Horizontal multistage centrifugal pumps featuring particularly silent running. Suitable for increasing pressure in general, domestic water boosting, small-scale garden watering, vehicle washing and handling clean water.



Lightweight and easy to transport



Practical and easy to use



Low noise

Technical data

Max. working pressure 10 bar

Max. temperature of the liquid +40°C

Poles 2

Insulation class F

Protection degree IP44

Voltage Single phase 230V ±10%
Three phase 230/400V ±10%

Materials

Pump body	Cast iron
Impeller	PPE+PS reinforced with fibreglass
Stages	PPE+PS reinforced with fibreglass/PTFE
Shaft	AISI 416
Mechanical seal	Ceramic/Carbon/NBR (standard)
Motor support	Cast iron

Accessories



Tanks

Page 384 - 8/10 bar 5/10 litres tanks



Floats

Page 379 - Key floats with counterweight



Pressure switches

Page 379 - 1,3÷12 bar pressure switches



Control panels and Control systems

Page 366 - **Presscomfort**

Pressure regulator

Page 364 - **E-power**

Variable speed control systems

Page 362 - **E-drive**

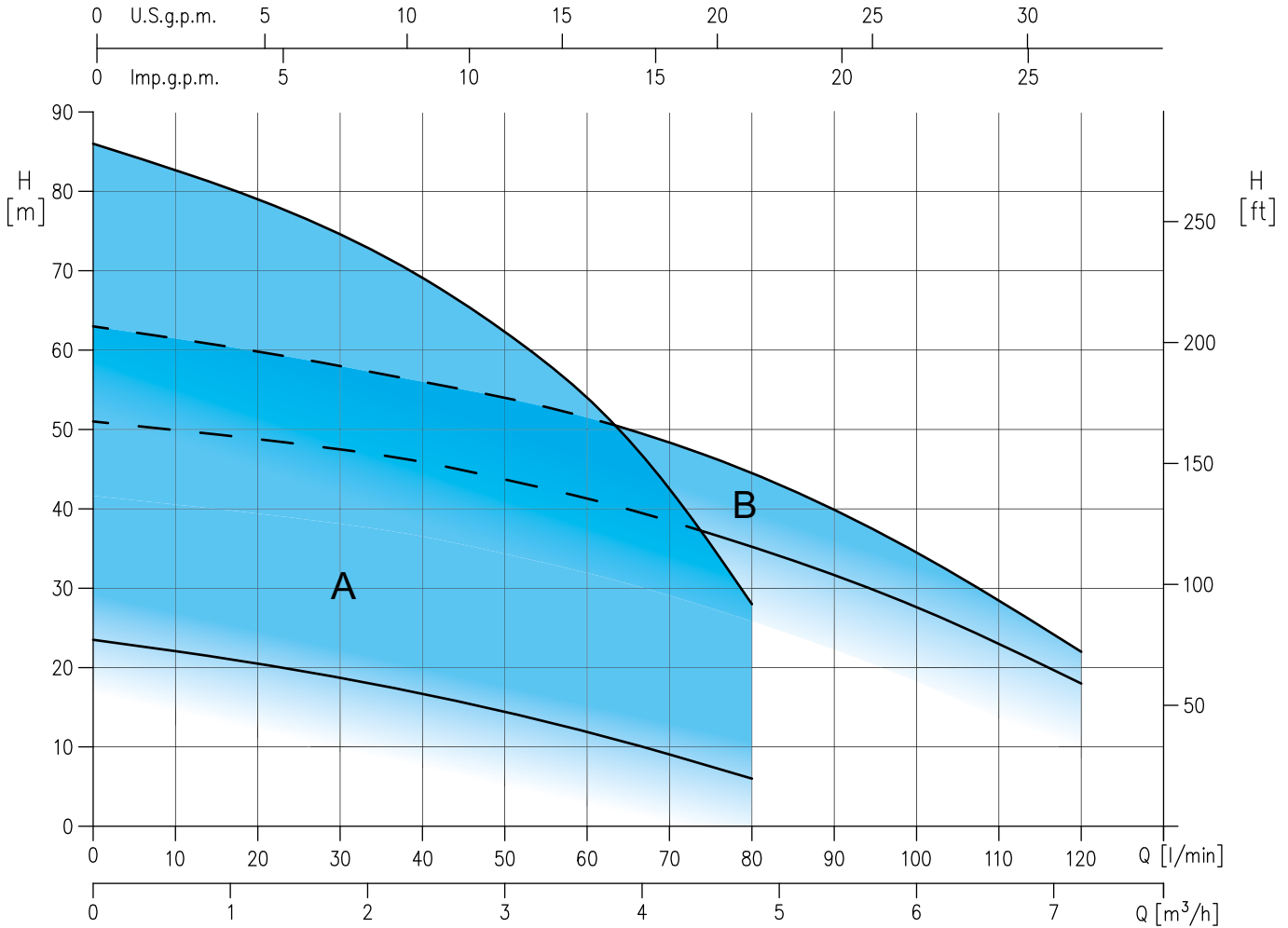
Variable speed control systems

Page 367 - **Control panels**

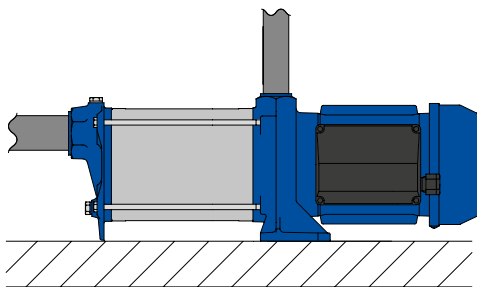
1EP-E - QA50/B - QA60/C - SMART

COMPACT

Horizontal multistage pumps in cast iron



Installation



COMPACT centrifugal pumps, thanks to their reduced dimensions, result easy to install also in that situations where space are small or difficult to reach. Its sturdy and reliable construction, provide high performance in the application where, as a the water distribution, long – life working without a demanding maintenance is required.

COMPACT

COMPACT

Horizontal multistage pumps in cast iron



Single phase 230V												2 Poles			
Model	Code	HP	kW	Q=Flow rate								Abs. Curr. [A] 230V	DNA	DNM	Weight [kg]
				l/min m ³ /h	20 1,2	30 1,8	40 2,4	50 3	60 3,6	80 4,8	120 7,2				
H=Total head [m]															
COMPACT/A AM/4	1480010000A	0,4	0,3		20,5	18,7	16,7	14,4	11,9	6,0	-	2,5	G1	G1	8,4
COMPACT/A AM/6	1480020000A	0,6	0,44		30,7	28,2	25,2	21,8	18,0	9,0	-	3	G1	G1	9,3
COMPACT/A AM/8	1480030000A	0,8	0,6		39,7	36,1	32,0	27,4	22,4	10,5	-	4	G1	G1	10,3
COMPACT AM/10	1480040000	1	0,75		56,5	53,0	48,5	43,5	37,1	20,0	-	6	G1	G1	14,5
COMPACT AM/12	1480050000	1,2	0,9		67,5	63,5	58,5	52,5	45,0	24,0	-	6,2	G1	G1	15,5
COMPACT AM/15	1480060000	1,5	1,1		79,0	74,6	69,0	62,5	54,0	28,0	-	7,3	G1	G1	16,7
COMPACT BM/12	1480070000	1,2	0,9		-	47,5	46,0	43,5	41,5	35,2	18,0	5,8	G1¼	G1	14,9
COMPACT BM/15	1480080000	1,5	1,1		-	58,0	56,0	54,0	51,5	44,5	22,0	7,3	G1¼	G1	15,9

Three phase 230/400V												2 Poles				
Model	Code	HP	kW	Q=Flow rate								Abs. Curr. [A]		DNA	DNM	Weight [kg]
				l/min m ³ /h	20 1,2	30 1,8	40 2,4	50 3	60 3,6	80 4,8	120 7,2	230V	400V			
H=Total head [m]																
COMPACT/A A/4	1480010004A	0,4	0,3		20,5	18,7	16,7	14,4	11,9	6,0	-	1,9	1,1	G1	G1	8,4
COMPACT/A A/6	1480020004A	0,6	0,44		30,7	28,2	25,2	21,8	18,0	9,0	-	2,3	1,3	G1	G1	9,3
COMPACT/A A/8	1480030004A	0,8	0,6		39,7	36,1	32,0	27,4	22,4	10,5	-	2,6	1,5	G1	G1	10,3
COMPACT/I A/10	1480040004I	1	0,75		56,5	53,0	48,5	43,5	37,1	20,0	-	3,3	1,9	G1	G1	14,5
COMPACT/I A/12	1480050004I	1,2	0,9		67,5	63,4	58,5	52,5	45,0	24,0	-	4,3	2,5	G1	G1	16,3
COMPACT/I A/15	1480060004I	1,5	1,1		79,0	74,6	69,0	62,5	54,0	28,0	-	4,3	2,5	G1	G1	16,7
COMPACT/I B/12	1480070004I	1,2	0,9		-	47,5	46,0	43,5	41,5	35,2	18,0	4,3	2,5	G1¼	G1	15,7
COMPACT/I B/15	1480080004I	1,5	1,1		-	58,0	56,0	54,0	51,5	44,5	22,0	4,3	2,5	G1¼	G1	15,9

MATRIX



Horizontal multistage centrifugal pumps in AISI 304 stainless steel

Horizontal multistage centrifugal pumps in AISI 304 featuring particularly robust construction. Suitable for water boosting increasing pressure in general, heating and conditioning, small-scale garden watering, vehicle washing, handling clean water and industrial plants. Standard version WRAS-approved (up to +85°C).



Small dimensions



Sturdy hydraulic frame



Low noise

Materials

Pump body	AISI 304
Impeller	AISI 304
Shaft	AISI 304
Mechanical seal	Ceramic/Carbon/EPDM (standard)
Motor support	EN AB-AISi11Cu2(Fe) (microcasted aluminium)

Options



Mechanical seal

Page 391 - H, HS, U3Q1EGG, Q1AEGG,

Technical data

Max. working pressure	10 bar
Max. temperature of the liquid	-15°C ÷ +85°C (standard) -15°C ÷ +110°C (TE version for high temperature)
Poles	2
Insulation class	F
Protection degree	IP55
Voltage	Single phase 230V ±10% Three phase 230/400V ±10%

Accessories



Tanks

Page 384 - 8/10 bar 5/10 litres tanks



Floats

Page 379 - Key floats with counterweight



Pressure switches

Page 379 - 1,3÷12 bar pressure switches



Control panels and Control systems

Page 366 - **Presscomfort**

Pressure regulator

Page 364 - **E-power**

Variable speed control systems

Page 362 - **E-drive**

Variable speed control systems

Page 367 - **Control panels**

1EP-E - QA50/B - QA60/C - SMART - QT!



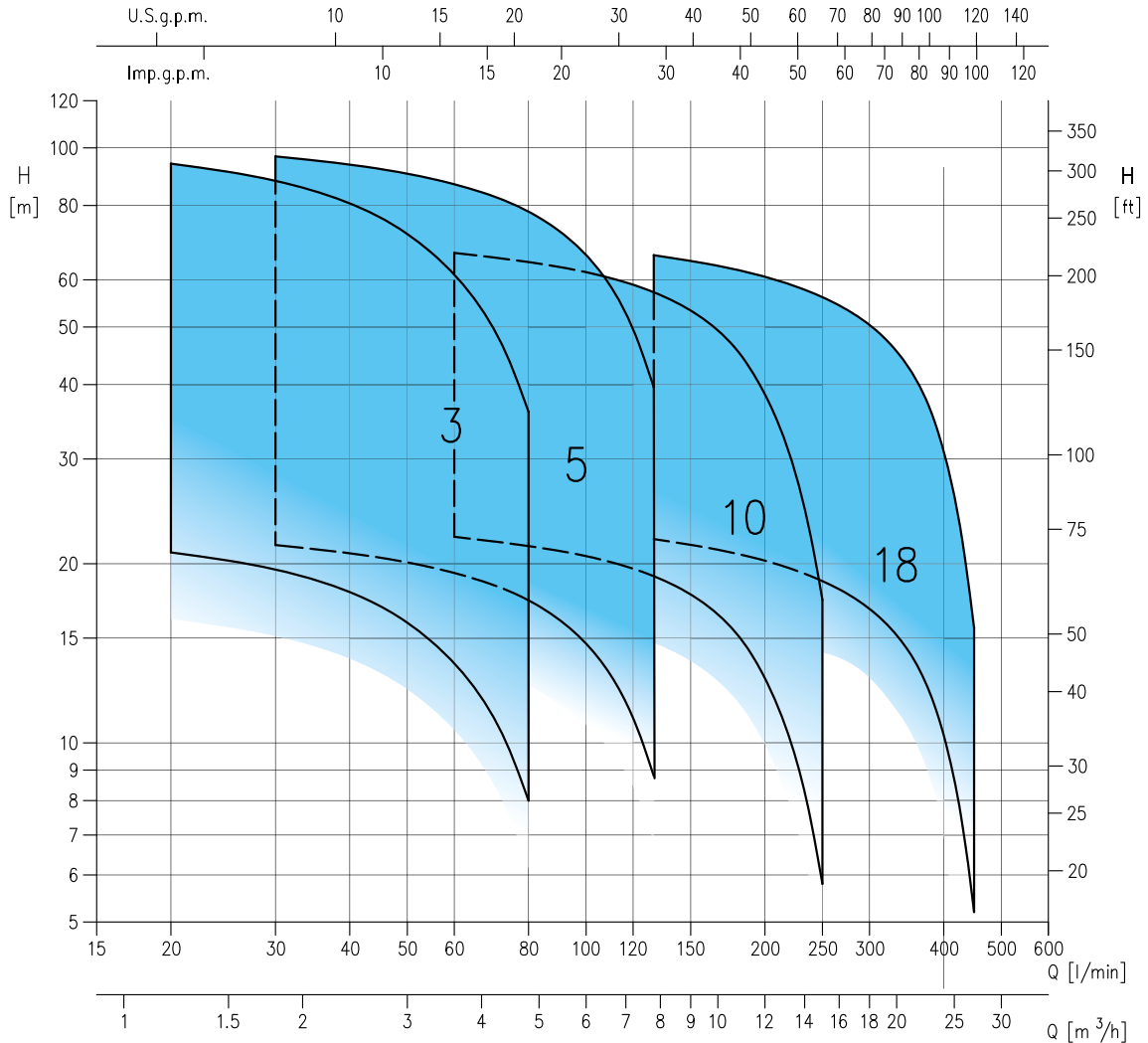
Insulation casing

Page 380 - Insulation casing for MATRIX

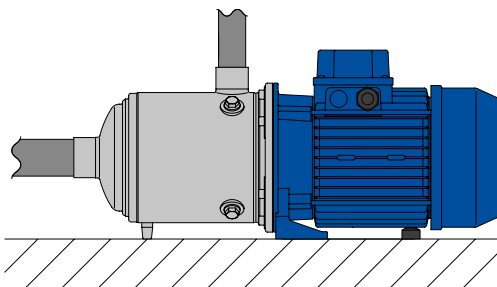
MATRIX



Horizontal multistage centrifugal pumps in AISI 304 stainless steel



Installation



MATRIX centrifugal pumps, thanks to their reduced dimensions, result easy to install also in that situations where space are small or difficult to reach. Its sturdy and reliable construction, provide high performance in the application where, as a the water distribution, long - life working without a demanding maintenance is required.

Insulation casing



Thermal insulation is available as accessory. Ready to be used for chiller application, please see page 380

MATRIX



Horizontal multistage centrifugal pumps in AISI 304 stainless steel

Single phase 230V												2 Poles			
Model	Code	HP	kW	Q=Flow rate								Abs. Curr. [A] 230V	DNA	DNM	Weight [kg]
				I/min	20	45	80	130	200	300	450				
				m³/h	1,2	2,7	4,8	7,8	12	18	27				
H=Total head [m]															
MATRIX 3-2T/0,45M	2470320000	0,6	0,45		20,9	17,0	8,0	-	-	-	-	3,2	G1	G1	8,5
MATRIX 3-3T/0,65M	2470330000	0,9	0,65		31,4	25,5	12,0	-	-	-	-	4,5	G1	G1	9,9
MATRIX 3-4T/0,65M	2470340000	0,9	0,65		42,0	34,0	16,0	-	-	-	-	4,5	G1	G1	10,6
MATRIX 3-5T/0,75M	2470350000	1	0,75		52,5	42,5	20,0	-	-	-	-	5,4	G1	G1	12,5
MATRIX 3-6T/0,9M	2470360000	1,2	0,9		62,5	51,0	24,0	-	-	-	-	5,7	G1	G1	13,7
MATRIX/A 3-7T/1,3M	2470370000A	1,8	1,3		73,0	59,5	28,0	-	-	-	-	7,8	G1	G1	16,3
MATRIX/A 3-8T/1,3M	2470380000A	1,8	1,3		83,5	68,0	32,0	-	-	-	-	7,8	G1	G1	16,3
MATRIX/A 3-9T/1,5M	2470390000A	2	1,5		94,0	76,5	36,0	-	-	-	-	8,7	G1	G1	18,3
MATRIX 5-2T/0,45M	2470520000	0,6	0,45		-	20,5	17,4	8,8	-	-	-	3,2	G1	G1	8,5
MATRIX 5-3T/0,65M	2470530000	0,9	0,65		-	30,7	26,0	13,2	-	-	-	4,5	G1	G1	9,9
MATRIX 5-4T/0,9M	2470540000	1,2	0,9		-	41,0	34,7	17,6	-	-	-	5,7	G1	G1	12,2
MATRIX/A 5-5T/1,3M	2470550000A	1,8	1,3		-	51,0	43,5	22,0	-	-	-	7,8	G1	G1	15,8
MATRIX/A 5-6T/1,3M	2470560000A	1,8	1,3		-	61,5	52,0	26,4	-	-	-	7,8	G1	G1	15,2
MATRIX/A 5-7T/1,5M	2470570000A	2	1,5		-	72,0	61,0	30,8	-	-	-	8,7	G1	G1	18,3
MATRIX 5-8T/2,2M	2470580000	3	2,2		-	82,0	69,5	35,2	-	-	-	13	G1	G1	22,3
MATRIX 5-9T/2,2M	2470590000	3	2,2		-	92,0	78,0	39,6	-	-	-	13	G1	G1	23,3
MATRIX 10-2T/0,75M	2471020000	1	0,75		-	-	21,4	19,1	12,8	-	-	5,4	G1	G1	11,3
MATRIX/A 10-3T/1,3M	2471030000A	1,8	1,3		-	-	32,1	28,6	19,3	-	-	7,8	G1	G1	14,3
MATRIX/A 10-4T/1,5M	2471040000A	2	1,5		-	-	43,0	38,1	25,7	-	-	8,7	G1	G1	15,6
MATRIX 10-5T/2,2M	2471050000	3	2,2		-	-	53,5	47,5	32,1	-	-	13	G1	G1	21,8
MATRIX 10-6T/2,2M	2471060000	3	2,2		-	-	64,5	57,0	38,5	-	-	13	G1	G1	22,1
MATRIX/A 18-2T/1,5M	2471820000A	2	1,5		-	-	-	22,0	20,2	16,8	5,2	8,7	G1	G1	14,5
MATRIX 18-3T/2,2M	2471830000	3	2,2		-	-	-	33,0	30,4	25,2	7,8	13	G1	G1	20,7

Standard version with WRAS approval (up to 85°C)
 "TE" version for high temperature (up to 110°C) available with 72,00€ increase on the price list.

MATRIX

MATRIX



Horizontal multistage centrifugal pumps in AISI 304 stainless steel

Three phase 230/400V														2 Poles		
Model	Code	HP	kW	Q=Flow rate								Abs. Curr.		DNA	DNM	Weight [kg]
				l/min m ³ /h	20 1,2	45 2,7	80 4,8	130 7,8	200 12	300 18	450 27	230V	400V			
H=Total head [m]																
MATRIX 3-2T/0,45	2470320004	0,6	0,45		20,9	17,0	8,0	-	-	-	-	2,3	1,3	G1	G1	8,4
MATRIX 3-3T/0,65	2470330004	0,9	0,65		31,4	25,5	12,0	-	-	-	-	2,8	1,6	G1	G1	9,8
MATRIX 3-4T/0,65	2470340004	0,9	0,65		42,0	34,0	16,0	-	-	-	-	3,1	1,8	G1	G1	10,4
MATRIX/I 3-5T/0,75	2470350004I	1	0,75		52,5	42,5	20,0	-	-	-	-	3,0	1,7	G1	G1	12,4
MATRIX/I 3-6T/0,9	2470360004I	1,2	0,9		62,5	51,0	24,0	-	-	-	-	4,3	2,5	G1	G1	13,6
MATRIX/I 3-7T/1,3	2470370004I	1,8	1,3		73,0	59,5	28,0	-	-	-	-	5,8	3,3	G1	G1	17,9
MATRIX/I 3-8T/1,3	2470380004I	1,8	1,3		83,5	68,0	32,0	-	-	-	-	5,8	3,3	G1	G1	18,7
MATRIX/I 3-9T/1,5	2470390004I	2	1,5		94,0	76,5	36,0	-	-	-	-	6,6	3,8	G1	G1	20,9
MATRIX 5-2T/0,45	2470520004	0,6	0,45		-	20,5	17,4	8,8	-	-	-	2,3	1,3	G1¼	G1	8,4
MATRIX 5-3T/0,65	2470530004	0,9	0,65		-	30,7	26,0	13,2	-	-	-	3,1	1,8	G1¼	G1	9,8
MATRIX/I 5-4T/0,9	2470540004I	1,2	0,9		-	41,0	34,7	17,6	-	-	-	4,3	2,5	G1¼	G1	12,4
MATRIX/I 5-5T/1,3	2470550004I	1,8	1,3		-	51,0	43,5	22,0	-	-	-	5,8	3,3	G1¼	G1	16,7
MATRIX/I 5-6T/1,3	2470560004I	1,8	1,3		-	61,5	52,0	26,4	-	-	-	5,8	3,3	G1¼	G1	17,1
MATRIX/I 5-7T/1,5	2470570004I	2	1,5		-	72,0	61,0	30,8	-	-	-	6,6	3,8	G1¼	G1	19,6
MATRIX/I 5-8T/2,2	2470580004I	3	2,2		-	82,0	69,5	35,2	-	-	-	8,2	4,7	G1¼	G1	19,6
MATRIX/I 5-9T/2,2	2470590004I	3	2,2		-	92,0	78,0	39,6	-	-	-	8,2	4,7	G1¼	G1	19,7
MATRIX/I10-2T/0,75	2471020004I	1	0,75		-	-	21,4	19,1	12,8	-	-	3,0	1,7	G1½	G1¼	11,2
MATRIX/I 10-3T/1,3	2471030004I	1,8	1,3		-	-	32,1	28,6	19,3	-	-	5,8	3,3	G1½	G1¼	14,5
MATRIX/I 10-4T/1,5	2471040004I	2	1,5		-	-	43,0	38,1	25,7	-	-	6,6	3,8	G1½	G1¼	18,2
MATRIX/I 10-5T/2,2	2471050004I	3	2,2		-	-	53,5	47,5	32,1	-	-	8,2	4,7	G1½	G1¼	18,8
MATRIX/I 10-6T/2,2	2471060004I	3	2,2		-	-	64,5	57,0	38,5	-	-	8,2	4,7	G1½	G1¼	19,2
MATRIX/I 18-2T/1,5	2471820004I	2	1,5		-	-	-	22,0	20,2	16,8	5,2	6,6	3,8	G2	G1½	17,1
MATRIX/I 18-3T/2,2	2471830004I	3	2,2		-	-	-	33,0	30,4	25,2	7,8	8,2	4,7	G2	G1½	18,1
MATRIX/I 18-4T/3	2471840004I	4	3		-	-	-	44,0	40,5	33,6	10,4	11,1	6,4	G2	G1½	23,8
MATRIX/I 18-5T/4	2471850004I	5,5	4		-	-	-	55,0	50,5	42,0	13,0	15,1	8,7	G2	G1½	33,2
MATRIX/I 18-6T/4	2471860004I	5,5	4		-	-	-	66,0	60,5	50,5	15,6	15,1	8,7	G2	G1½	34,2

Standard version with WRAS approval (up to 85°C)

"TE" version for high temperature (up to 110°C) available with 72,00€ increase on the price list.

CVM



Vertical multistage centrifugal pumps in cast iron

Reliable vertical multistage electric centrifugal pumps with very low noise and easy of maintenance. Suitable for increasing pressure in general, pressure boosting systems, irrigation, washing systems and handling clean water.



Pump supplied with counter-flanges



Easy maintenance



Practical and easy to use



Low noise

Materials

Pump body	Cast iron
Impeller	PPE+PS reinforced with fibreglass
Shaft	AISI 416
Mechanical seal	Ceramic/Carbon/NBR (standard)
Motor support	Cast iron

Technical data

Max. working pressure	11 bar
Max. temperature of the liquid	40°C
MEI	> 0,4
Poles	2
Insulation class	F
Protection degree	IP44
Voltage	Single phase 230V ±10% Three phase 230/400V ±10%

Accessories



Tanks
Page 384 - 8/10/16 bar 5/24 litres tanks



Floats
Page 379 - Key floats with counterweight



Pressure switches
Page 379 - 1,4÷10,5 bar pressure switches



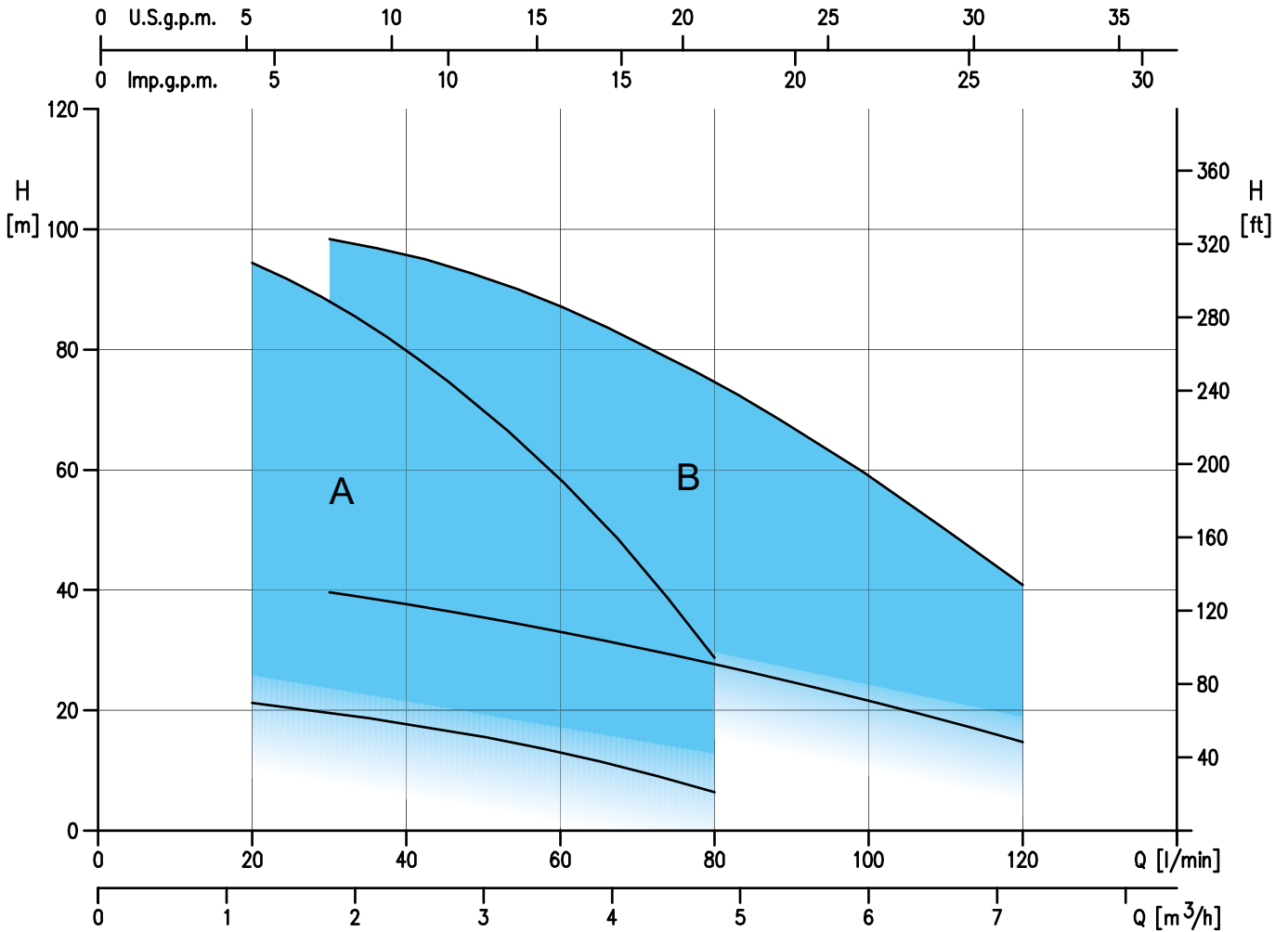
Control panels and Control systems
Page 366 - **Presscomfort**
Pressure regulator
Page 364 - **E-power**
Variable speed control systems
Page 362 - **E-drive**
Variable speed control systems
Page 367 - **Control panels**
1EP-E SERIES, QA50/B - QA60/C, SMART

CVM

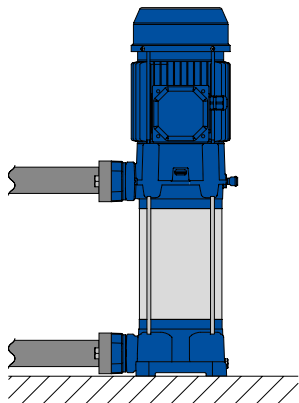
Vertical multistage centrifugal pumps in cast iron



CVM



Installation



CVM centrifugal pumps, thanks to their reduced dimensions, result easy to install also in that situations where space are small or difficult to reach. Its sturdy and reliable construction, provide high performance in the application where, as a the water distribution, long – life working without a demanding maintenance is required.

CVM



Vertical multistage centrifugal pumps in cast iron

Single phase 230V												2 Poles			
Model	Code	HP	kW	Q=Flow rate								Abs. Curr. [A] 230V	DNA	DNM	Weight [kg]
				l/min	20	30	40	60	80	100	120				
				m³/h	1,2	1,8	2,4	3,6	4,8	6	7,2				
H=Total head [m]															
CVM AM/4	2170000000	0,4	0,3		21,2	19,7	17,8	13,0	6,4	-	-	2,6	G1¼	G1¼	11,0
CVM AM/6	2170010000	0,6	0,44		31,8	29,5	26,7	19,4	9,6	-	-	3,2	G1¼	G1¼	11,7
CVM AM/8	2170020000	0,8	0,6		42,5	39,4	35,6	25,9	12,8	-	-	4	G1¼	G1¼	12,7
CVM AM/10	2170030000	1	0,75		57,5	54,0	49,5	36,6	19,5	-	-	6	G1¼	G1¼	16,5
CVM AM/12	2170040000	1,2	0,9		69,0	65,0	59,5	44,0	23,4	-	-	6,5	G1¼	G1¼	17,5
CVM AM/15	2170050000	1,5	1,1		80,5	75,5	69,5	51,0	27,3	-	-	7,2	G1¼	G1¼	18,5
CVM/A AM/18	2170100000A	1,8	1,3		94,5	88,0	80,0	58,5	28,8	-	-	7,8	G1¼	G1¼	21,2
CVM BM/10	2170060000	1	0,75		-	36,2	35,1	32,0	27,5	21,6	14,7	5,6	G1¼	G1¼	15,9
CVM BM/12	2170070000	1,2	0,9		-	48,0	46,8	42,6	36,6	28,8	19,6	6,2	G1¼	G1¼	16,8
CVM BM/15	2170080000	1,5	1,1		-	60,5	58,5	53,3	45,8	36,0	24,5	7,4	G1¼	G1¼	18,0
CVM/A BM/20	2170090000A	2	1,5		-	74,0	72,0	65,5	56,0	44,5	30,6	8,3	G1¼	G1¼	21,3
CVM BM/23	2170110000	2,3	1,7		-	86,0	84,0	76,5	65,5	51,5	35,7	9,6	G1¼	G1¼	22,6

Pumps supplied with counterflanges

Three phase 230/400V												2 Poles				
Model	Code	HP	kW	Q=Flow rate								Abs. Curr. [A]		DNA	DNM	Weight [kg]
				l/min	20	30	40	60	80	100	120	230V	400V			
				m³/h	1,2	1,8	2,4	3,6	4,8	6	7,2					
H=Total head [m]																
CVM A/4	2170000004	0,4	0,3		21,2	19,7	17,8	13,0	6,4	-	-	1,9	1,1	G1¼	G1¼	11,0
CVM A/6	2170010004	0,6	0,44		31,8	29,5	26,7	19,4	9,6	-	-	2,3	1,3	G1¼	G1¼	11,6
CVM A/8	2170020004	0,8	0,6		42,5	39,4	35,6	25,9	12,8	-	-	2,8	1,6	G1¼	G1¼	12,6
CVM/I A/10	2170030004I	1	0,75		57,5	54,0	49,5	36,6	19,5	-	-	3	1,7	G1¼	G1¼	16,6
CVM/I A/12	2170040004I	1,2	0,9		69,0	65,0	59,5	44,0	23,4	-	-	4,3	2,5	G1¼	G1¼	18,4
CVM/I A/15	2170050004I	1,5	1,1		80,5	75,5	69,5	51,0	27,3	-	-	4,3	2,5	G1¼	G1¼	18,6
CVM/I A/18	2170100004I	1,8	1,3		94,5	88,0	80,0	58,5	28,8	-	-	5,8	3,3	G1¼	G1¼	22,7
CVM/I B/10	2170060004I	1	0,75		-	36,2	35,1	32,0	27,5	21,6	14,7	3	1,7	G1¼	G1¼	15,9
CVM/I B/12	2170070004I	1,2	0,9		-	48,0	46,8	42,6	36,6	28,8	19,6	4,3	2,5	G1¼	G1¼	17,5
CVM/I B/15	2170080004I	1,5	1,1		-	60,5	58,5	53,3	45,8	36,0	24,5	4,3	2,5	G1¼	G1¼	17,9
CVM/I B/20	2170090004I	2	1,5		-	74,0	72,0	65,5	56,0	44,5	30,6	6,6	3,8	G1¼	G1¼	23,7
CVM/I B/23	2170110004I	2,3	1,7		-	86,0	84,0	76,5	65,5	51,5	35,7	7,1	4,1	G1¼	G1¼	24,3
CVM/I B/25	2170120004I	2,5	1,85		-	98,5	96,0	87,0	74,5	59,0	41,0	8,2	4,7	G1¼	G1¼	24,6

Pumps supplied with counterflanges

CVM

CVM with E-drive



Vertical multistage centrifugal pumps in cast iron with variable frequency drive

Vertical multistage centrifugal pumps complete with inverter. Reliable, these pumps combine the features of a standard CVM and all advantages of an E-drive system. Energy saving and high performances are his strengths points; the possibility to use different set points provide makes them even more suitable for increasing pressure in general, pressure boosting system, irrigation, washing systems and handling clean water.



Pump supplied with counter-flanges



Easy maintenance



Practical and easy to use



Low noise

Technical data

Max. working pressure 11 bar

Max. temperature of the liquid 40°C

MEI > 0,4

Poles 2

Insulation class F

Protection degree IP44

Voltage Inverter single phase 230V
Inverter three phase 400V

Materials

Pump body	Cast iron
Impeller	PPE+PS reinforced with fibreglass
Shaft	AISI 416
Mechanical seal	Ceramic/Carbon/NBR (standard)
Motor support	Cast iron

Accessories



Tanks

Page 384 - 8/10/16 bar 5/24 litres tanks



Floats

Page 379 - Key floats with counterweight



Pressure switches

Page 379 - 1,4÷10,5 bar pressure switches

CVM with E-drive



Vertical multistage centrifugal pumps in cast iron with variable frequency drive

Single phase 230V*												2 Poles			
Model	Code	HP	kW	Q=Flow rate								Abs. Curr. [A]** 230V	DNA	DNM	Weight [kg]
				l/min m ³ /h	20 1,2	30 1,8	40 2,4	60 3,6	80 4,8	100 6	120 7,2				
H=Total head [m]															
CVM/I A/10 EDM	1547501101I	1	0,75		57,5	54,0	49,5	36,6	19,5	-	-	15	G1¼	G1¼	20,6
CVM/I A/12 EDM	1547501102I	1	0,9		69,0	65,0	59,5	44,0	23,4	-	-	15	G1¼	G1¼	22,4
CVM/I A/15 EDM	1547501103I	1,5	1,1		80,5	75,5	69,5	51,0	27,3	-	-	15	G1¼	G1¼	22,6
CVM/I B/15 EDM	1547501104I	1,5	1,1		-	60,5	58,5	53,3	45,8	36,0	24,5	15	G1¼	G1¼	21,9
CVM/I B/20 EDM	1547501105I	2	1,5		-	74,0	72,0	65,5	56,0	44,5	30,6	15	G1¼	G1¼	26,8

* Inverter single phase 230V main supply with 230V three phase pump

** Max. absorbed current from the inverter

Three phase 400V												2 Poles			
Model	Code	HP	kW	Q=Flow rate								Abs. Curr. [A]** 400V	DNA	DNM	Weight [kg]
				l/min m ³ /h	20 1,2	30 1,8	40 2,4	60 3,6	80 4,8	100 6	120 7,2				
H=Total head [m]															
CVM/I A/10 EDT	1547501108I	1	0,75		57,5	54,0	49,5	36,6	19,5	-	-	10	G1¼	G1¼	21,1
CVM/I A/12 EDT	1547501109I	1	0,9		69,0	65,0	59,5	44,0	23,4	-	-	10	G1¼	G1¼	22,9
CVM/I A/15 EDT	1547501110I	1,5	1,1		80,5	75,5	69,5	51,0	27,3	-	-	10	G1¼	G1¼	23,1
CVM/I B/15 EDT	1547501111I	1,5	1,1		-	60,5	58,5	53,3	45,8	36,0	24,5	10	G1¼	G1¼	22,4
CVM/I B/20 EDT	1547501112I	2	1,5		-	74,0	72,0	65,5	56,0	44,5	30,6	10	G1¼	G1¼	27,3
CVM/I B/23 EDT	1547501106I	2,3	1,7		-	86,0	84,0	76,5	65,5	51,5	35,7	10	G1¼	G1¼	27,9
CVM/I B/25 EDT	1547501107I	2,5	1,85		-	98,5	96,0	87,0	74,5	59,0	41,0	10	G1¼	G1¼	28,2

** Max. absorbed current from the inverter

MULTIGO



Vertical multistage centrifugal pumps in AISI 304

Reliable vertical multistage centrifugal pumps featuring particularly silent running. Fitted with motor cooled by the flow of water being handled and double mechanical seal with a chamber between them containing the lubricating liquid, assuring long life. Suitable for pressure boosting in domestic, community, hospital etc. water supply systems, handling liquids in places subject to flooding, supplying fountains and dancing water features and for sprinkler irrigation of small vegetable patches and gardens. Comes with 5 m length of H07 RN-F power cord. In-line version available for single phase models.



Easy maintenance



Practical and easy to use



Low noise

Technical data

Max. working pressure 10 bar

Max. temperature of the liquid 40°C

Max. suction depth 6m

MEI > 0,4

Poles 2

Insulation class F

Protection degree IP68

Voltage Single phase 230V ±10%
Three phase 230V - 400V ±10%

Materials

Pump body	AISI 304
Impeller	PPE+PS reinforced with fibreglass
Shaft	AISI 431
Mechanical seal	Ceramic/Carbon/NBR
Motor cover	AISI 304

Low noise emission

These vertical multistage centrifugal pumps are particularly silent running. The motor is cooled by the flow of water being handled, which flows over the motor casing. The liquid passes through an innerspace which encloses the whole pump, also dampening the vibrations caused by the hydraulic action.

Accessories



Tanks

Page 384 - 8/10/16 bar 5/24 litres tanks



Floats

Page 379 - Key floats with counterweight



Pressure switches

Page 379 - 1,4÷10,5 bar pressure switches



Control panels and Control systems

Page 366 - **Presscomfort**

Pressure regulator

Page 364 - **E-power**

Variable speed control systems

Page 362 - **E-drive**

Variable speed control systems

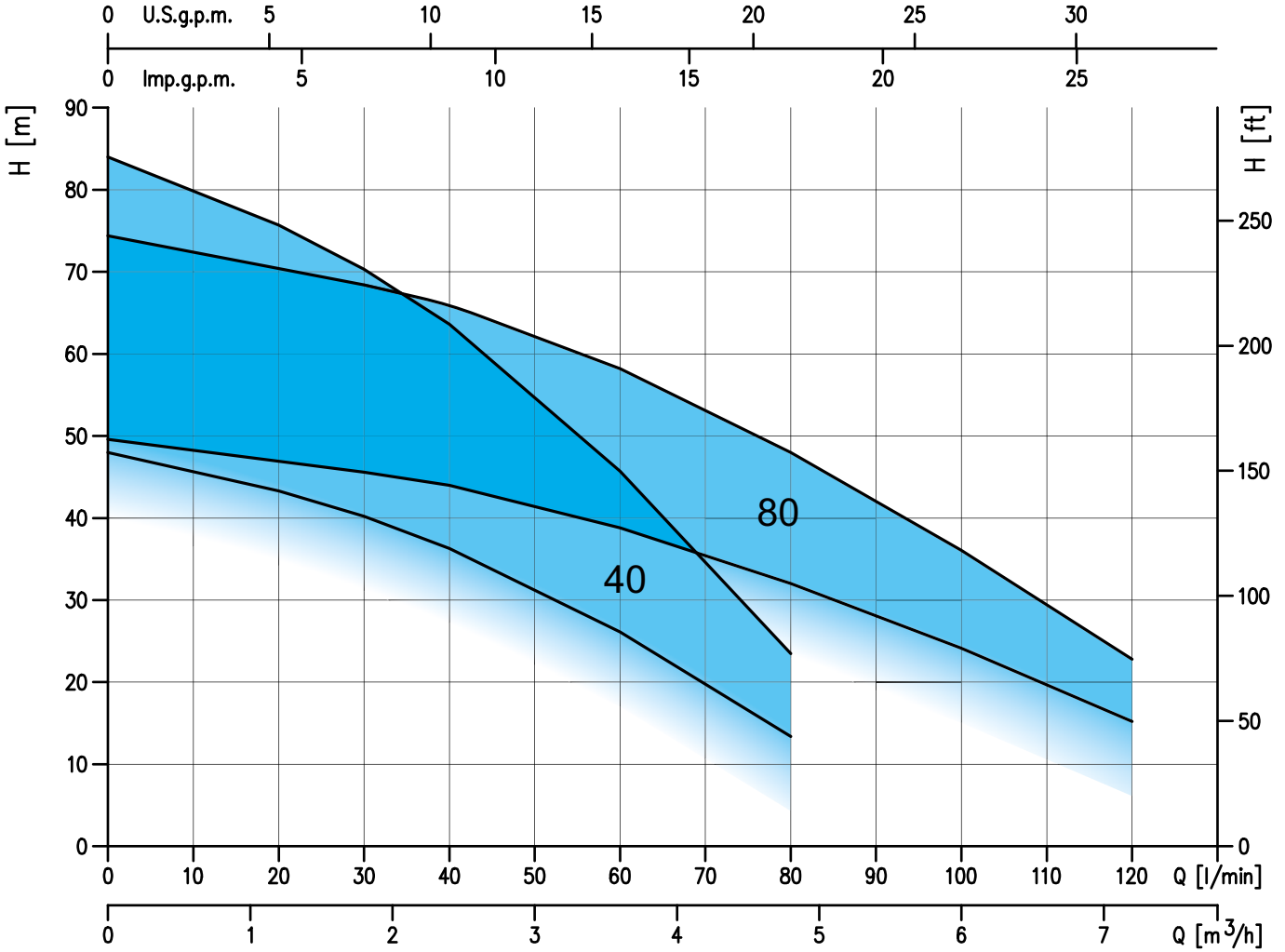
Page 367 - **Control panels**

1EP-E - QA50/B - QA60/C - SMART

MULTIGO

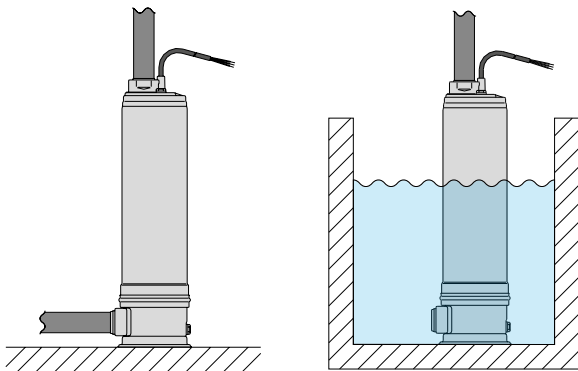


Vertical multistage centrifugal pumps in AISI 304



MULTIGO

Installation



MULTIGO centrifugal pumps, thanks to their reduced dimensions, result easy to install also in that situations where space are small or difficult to reach. Its sturdy and reliable construction, provide high performance in the application where, as a water distribution, long - life working without a demanding maintenance is required. MULTIGO pumps, thank to their versatility, can be used submersed in tank

MULTIGO



Vertical multistage centrifugal pumps in AISI 304

MULTIGO

Single phase 230V												2 Poles			
Model	Code	HP	kW	Q=Flow rate								Abs. Curr. [A] 230V	DNA	DNM	Weight [kg]
				l/min	20	30	40	60	80	100	120				
				m ³ /h	1,2	1,8	2,4	3,6	4,8	6	7,2				
H=Total head [m]															
MULTIGO M40/8	1564040021	0,8	0,6	43,3	40,2	36,3	26,1	13,4	-	-	4,3	G1¼	G1¼	15,3	
MULTIGO M40/10	1564050021	1	0,75	54,1	50,2	45,4	32,6	16,8	-	-	5,7	G1¼	G1¼	16,5	
MULTIGO M40/12	1564060021	1,2	0,9	64,9	60,2	54,5	39,2	20,2	-	-	6,8	G1¼	G1¼	17,7	
MULTIGO M40/15	1564070021	1,5	1,1	75,7	70,3	63,6	45,7	23,5	-	-	7,3	G1¼	G1¼	18,8	
MULTIGO M80/12	1578060021	1,2	0,9	-	45,6	44,0	38,8	32,0	23,2	15,2	6,4	G1¼	G1¼	17,0	
MULTIGO M80/15	1578070021	1,5	1,1	-	57,0	55,0	48,5	40,0	28,0	19,0	7,5	G1¼	G1¼	18,2	

In-line version available with 20% increase on the price list

Available with hook and 20m cable with 6% increase on the price list for single phase models

Three phase 230V												2 Poles			
Model	Code	HP	kW	Q=Flow rate								Abs. Curr. [A] 230V	DNA	DNM	Weight [kg]
				l/min	20	30	40	60	80	100	120				
				m ³ /h	1,2	1,8	2,4	3,6	4,8	6	7,2				
H=Total head [m]															
MULTIGO 40/8	1564040009	0,8	0,6	43,3	40,2	36,3	26,1	13,4	-	-	3,3	G1¼	G1¼	16,0	
MULTIGO 40/10	1564050009	1	0,75	54,1	50,2	45,4	32,6	16,8	-	-	3,8	G1¼	G1¼	17,0	
MULTIGO 40/12	1564060009	1,2	0,9	64,9	60,2	54,5	39,2	20,2	-	-	4,2	G1¼	G1¼	18,0	
MULTIGO 40/15	1564070006	1,5	1,1	75,7	70,3	63,6	45,7	23,5	-	-	5,2	G1¼	G1¼	18,7	
MULTIGO 80/12	1578060009	1,2	0,9	-	45,6	44,0	38,8	32,0	23,2	15,2	4	G1¼	G1¼	17,4	
MULTIGO 80/15	1578070009	1,5	1,1	-	57,0	55,0	48,5	40,0	28,0	19,0	5,4	G1¼	G1¼	18,2	
MULTIGO 80/20	1578080009	2	1,5	-	68,4	66,0	58,2	48,0	34,8	22,8	6,1	G1¼	G1¼	19,2	

Available with hook and 20m cable with 8% increase on the price list for three phase models

Three phase 400V												2 Poles			
Model	Code	HP	kW	Q=Flow rate								Abs. Curr. [A] 400V	DNA	DNM	Weight [kg]
				l/min	20	30	40	60	80	100	120				
				m ³ /h	1,2	1,8	2,4	3,6	4,8	6	7,2				
H=Total head [m]															
MULTIGO 40/8	1564040004	0,8	0,6	43,3	40,2	36,3	26,1	13,4	-	-	1,9	G1¼	G1¼	16,0	
MULTIGO 40/10	1564050004	1	0,75	54,1	50,2	45,4	32,6	16,8	-	-	2,2	G1¼	G1¼	17,0	
MULTIGO 40/12	1564060004	1,2	0,9	64,9	60,2	54,5	39,2	20,2	-	-	2,4	G1¼	G1¼	18,0	
MULTIGO 40/15	1564070004	1,5	1,1	75,7	70,3	63,6	45,7	23,5	-	-	3	G1¼	G1¼	18,7	
MULTIGO 80/12	1578060004	1,2	0,9	-	45,6	44,0	38,8	32,0	23,2	15,2	2,3	G1¼	G1¼	17,4	
MULTIGO 80/15	1578070004	1,5	1,1	-	57,0	55,0	48,5	40,0	28,0	19,0	3,1	G1¼	G1¼	18,2	
MULTIGO 80/20	1578080004	2	1,5	-	68,4	66,0	58,2	48,0	34,8	22,8	3,5	G1¼	G1¼	19,2	

Available with hook and 20m cable with 8% increase on the price list for three phase models

EVMS(L)(G)



Vertical multistage pumps in AISI 304, AISI 316, cast iron

Vertical multistage pumps in AISI 304 (EVMS), AISI 316 (EVMSL) stainless steel and cast iron (EVMSG) multistage pumps. Reliable, quiet and easy to maintain. Used in residential, commercial, industrial, agricultural and fire-fighting pressure boosting systems, in primary water treatment, reverse osmosis, filtration systems, etc. Suitable for handling moderately aggressive fluids, filling boilers, washing, heating, refrigeration and airconditioning systems.



Available in AISI 316 (EVMSL)



Available in cast iron (EVMSG)



Easy maintenance



High efficiency



Different solutions for pipe connections

Technical data

Max. working pressure 16 bar for oval flanged version (N)
25 bar for the rest of the range

Max. temperature of the liquid -30° ÷ +140°C

MEI > 0,7

Poles 2

Insulation class F (temperature rise class B)

Protection degree IP55

Voltage Single phase 230V±10%
Three phase 230/400V±10% (up to 4 kW)
Three phase 400/690±10% (from 5,5 kW)

Materials

Pump body	AISI 304 AISI 316L (EVMSL) Cast iron (EVMSG)
Impeller	AISI 304 AISI 316L (EVMSL)
Shaft	AISI 304 AISI 316L (EVMSL)
Mechanical seal	Unbalanced Q ₁ BEG: SiC/Carbon/EPDM Q ₁ BVG: SiC/Carbon/FPM
	Balanced HQ ₁ BEG: SiC/Carbon/EPDM HQ ₉ Q ₁ EG: SiC/SiC/EPDM HQ ₁ BVG: SiC/Carbon/FPM HQ ₉ Q ₁ VG: SiC/SiC/FPM
Motor support	Cast iron

Accessories



Counterflanges kit
Page 388 - Galvanized and AISI 316 counterflanges kit



Control panels and Control systems
Page 362 - E-drive
Variable speed control systems
Page 367 - Control panels
1EP-E SERIES, QM1, QT1, QS1, QA50/B - QA60/C, SMART



Connections
Page 388 - Victaulic® coupling (V)
- Victaulic® coupling (V) with stubs pipe
- Clamp pipe stub for welding (C)

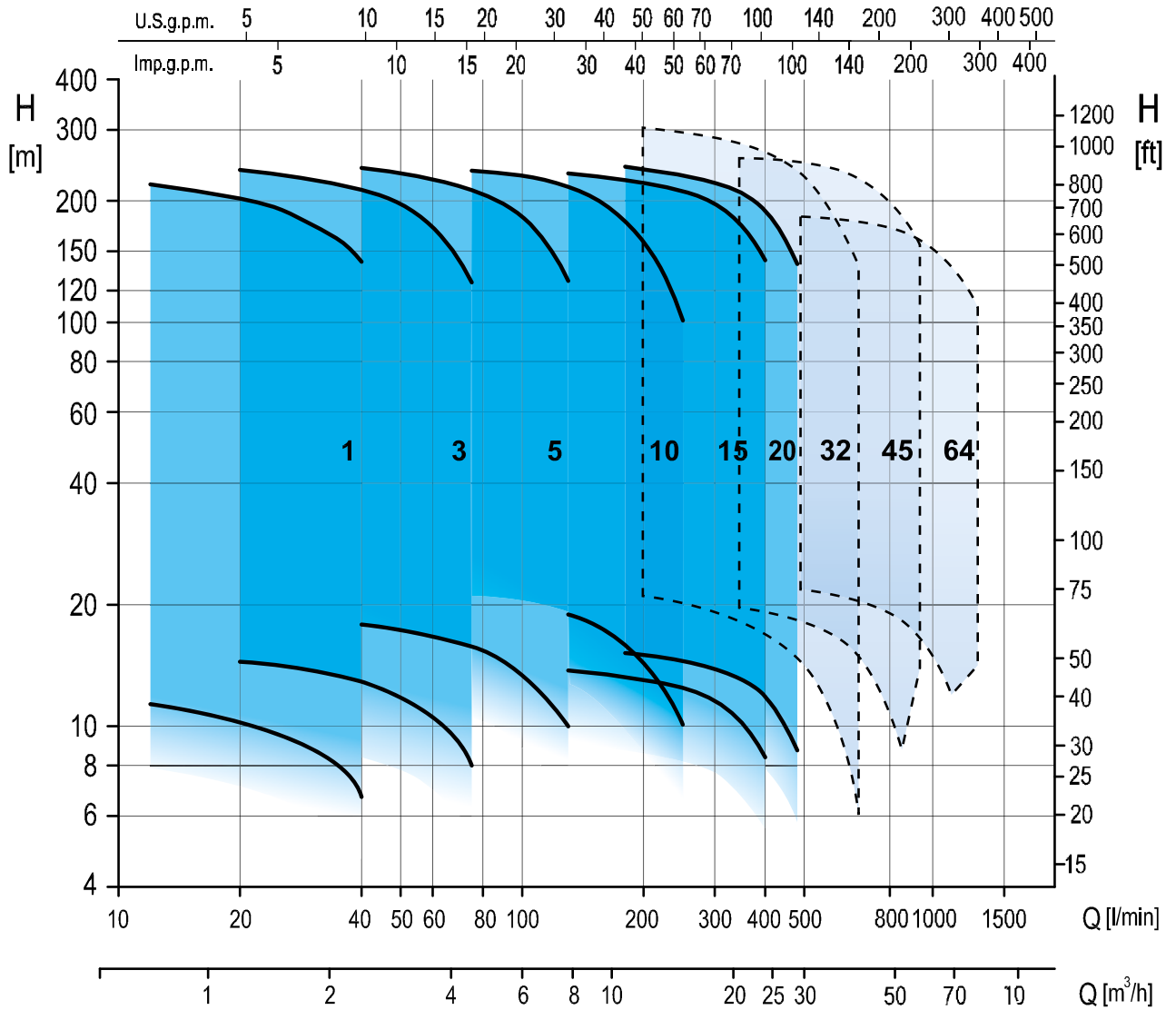
EVMSL is available.
Please contact our sales network

EVMS(L)(G)

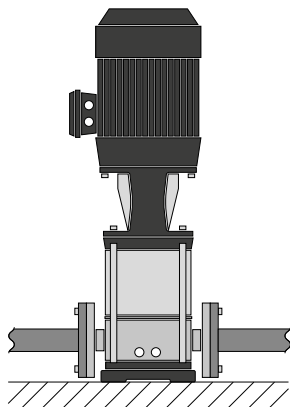


Vertical multistage pumps in AISI 304, AISI 316, cast iron

EVMS(L)(G)



Installation



EVMS centrifugal pumps, thanks to their reduced dimensions, result easy to install also in that situations where space are small or difficult to reach. Its sturdy and reliable construction, provide high performance in the application where, as the water distribution, long - life working without a demanding maintenance is required.

EVMS 1

Vertical multistage pumps



Selection table

Model		HP	kW	Q=Flow rate						Motor size	Abs. Curr. [A]		
Single phase 230V	Three phase 230/400V			l/min	0	12	20	30	40		1~ 230V	3~	
				m³/h	0	0,7	1,2	1,8	2,4			230V	400V
				H=Total head [m]									
EVMS(.)1 2/0.37M	EVMS(.)1 2/0.37	0,5	0,37		11,9	11,2	10,4	9,1	7,1	71	3,1	1,70	1,00
EVMS(.)1 3/0.37M	EVMS(.)1 3/0.37	0,5	0,37		17,9	16,8	15,6	13,6	10,6	71	3,1	1,70	1,00
EVMS(.)1 4/0.37M	EVMS(.)1 4/0.37	0,5	0,37		23,8	22,4	20,8	18,2	14,2	71	3,1	1,70	1,00
EVMS(.)1 5/0.37M	EVMS(.)1 5/0.37	0,5	0,37		30,0	28,0	26,0	22,7	17,7	71	3,1	1,70	1,00
EVMS(.)1 6/0.37M	EVMS(.)1 6/0.37	0,5	0,37		35,8	33,6	31,2	27,3	21,2	71	3,1	1,70	1,00
EVMS(.)1 7/0.37M	EVMS(.)1 7/0.37	0,5	0,37		41,5	39,2	36,4	31,8	24,8	71	3,1	1,70	1,00
EVMS(.)1 8/0.37M	EVMS(.)1 8/0.37	0,5	0,37		47,5	44,5	41,5	36,4	28,3	71	3,1	1,70	1,00
EVMS(.)1 9/0.55M	EVMS(.)1 9/0.55	0,75	0,55		53,5	50,5	47,0	41,0	31,8	71	3,9	2,60	1,50
EVMS(.)1 10/0.55M	EVMS(.)1 10/0.55	0,75	0,55		59,6	56,0	52,0	45,5	35,4	71	3,9	2,60	1,50
EVMS(.)1 11/0.55M	EVMS(.)1 11/0.55	0,75	0,55		65,5	61,5	57,0	50,0	38,9	71	3,9	2,60	1,50
EVMS(.)1 12/0.55M	EVMS(.)1 12/0.55	0,75	0,55		71,5	67,0	62,5	54,5	42,5	71	3,9	2,60	1,50
EVMS(.)1 13/0.55M	EVMS(.)1 13/0.55	0,75	0,55		77,5	73,0	67,5	59,0	46,0	71	3,9	2,60	1,50
EVMS(.)1 14/0.75M	EVMS(.)1 14/0.75	1	0,75		83,5	78,5	73,0	63,5	49,5	80	5,3	3,0	1,7
EVMS(.)1 16/0.75M	EVMS(.)1 16/0.75	1	0,75		95,5	89,5	83,0	72,5	56,5	80	5,3	3,0	1,7
EVMS(.)1 18/1.1M	EVMS(.)1 18/1.1	1,5	1,1		107,0	101,0	93,5	82,0	63,5	80	6,5	4,3	2,5
EVMS(.)1 20/1.1M	EVMS(.)1 20/1.1	1,5	1,1		119,0	112,0	104,0	91,0	71,0	80	6,5	4,3	2,5
EVMS(.)1 22/1.1M	EVMS(.)1 22/1.1	1,5	1,1		131,0	123,0	114,0	100,0	78,0	80	6,5	4,3	2,5
EVMS(.)1 24/1.1M	EVMS(.)1 24/1.1	1,5	1,1		143,0	135,0	125,0	109,0	85,0	80	6,5	4,3	2,5
EVMS(.)1 26/1.1M	EVMS(.)1 26/1.1	1,5	1,1		155,0	146,0	135,0	118,0	92,0	80	6,5	4,3	2,5
EVMS(.)1 27/1.5M	EVMS(.)1 27/1.5	2	1,5		161,0	151,0	140,0	123,0	95,5	90	8,8	5,8	3,3
EVMS(.)1 29/1.5M	EVMS(.)1 29/1.5	2	1,5		173,0	163,0	151,0	132,0	103,0	90	8,8	5,8	3,3
EVMS(.)1 32/1.5M	EVMS(.)1 32/1.5	2	1,5		191,0	179,0	166,0	145,0	113,0	90	8,8	5,8	3,3
EVMS(.)1 34/1.5M	EVMS(.)1 34/1.5	2	1,5		203,0	191,0	177,0	155,0	120,0	90	8,8	5,8	3,3
EVMS(.)1 37/2.2M	EVMS(.)1 37/2.2	3	2,2		221,0	207,0	192,0	168,0	131,0	90	12,9	8,2	4,7
EVMS(.)1 39/2.2M	EVMS(.)1 39/2.2	3	2,2		232,0	219,0	203,0	177,0	138,0	90	12,9	8,2	4,7

EVMS(L)(G)

Model configuration

Cartridge shaft seal		Max. working pressure [bar]	EVMS in AISI 304 - EVMSL in AISI 316 *					EVMSG in cast iron	
			Oval flange (N)	Round flange (F)	Loose flange (LF)	Victaulic® (V)	Clamp (C)	Oval flange (N)	Round flange (F)
Unbalanced SiC/Carbon EPDM	Q ₁ BEG	16	page 124	page 124	o	o	o	page 125	page 125
Balanced SiC/Carbon EPDM	HQ ₁ BEG	25	o	16 bar: o 25 bar: page 124	o	o	o	o	16 bar: o 25 bar: page 125
Balanced SiC/SiC EPDM	HQ ₉ Q ₁ EG	25	o	o	o	o	o	o	o
Unbalanced SiC/Carbon FPM	Q ₁ BVG	16	o	o	o	o	o	o	o
Balanced SiC/Carbon FPM	HQ ₁ BVG	25	o	o	o	o	o	o	o
Balanced SiC/SiC FPM	HQ ₉ Q ₁ VG	25	o	o	o	o	o	o	o

o On request, please contact our sales network.

Included: oval counterflanges (N), clamp connections (C)

Not included: round counterflanges (F), Victaulic® connection (V), clamp pipe stub, as accessories. See page 388



* AISI 316 on request. Please contact our sales network.

EVMS 1



Vertical multistage pumps in AISI 304

EVMS(L)(G)

Model	HP	kW	Oval flange (N)		Round flange (F)	
			Code 1 x 230V	Code 3 x 230/400V	Code 1 x 230V	Code 3 x 230/400V
						
				DNA DNM G1		DNA DNM Ø25
EVMS1-2	0,5	0,37	26251000020	26251000024	26251100020	26251100024
EVMS1-3	0,5	0,37	26251000030	26251000034	26251100030	26251100034
EVMS1-4	0,5	0,37	26251000040	26251000044	26251100040	26251100044
EVMS1-5	0,5	0,37	26251000050	26251000054	26251100050	26251100054
EVMS1-6	0,5	0,37	26251000060	26251000064	26251100060	26251100064
EVMS1-7	0,5	0,37	26251000070	26251000074	26251100070	26251100074
EVMS1-8	0,5	0,37	26251000080	26251000084	26251100080	26251100084
EVMS1-9	0,75	0,55	26251000090	26251000094	26251100090	26251100094
EVMS1-10	0,75	0,55	26251000100	26251000104	26251100100	26251100104
EVMS1-11	0,75	0,55	26251000110	26251000114	26251100110	26251100114
EVMS1-12	0,75	0,55	26251000120	26251000124	26251100120	26251100124
EVMS1-13	0,75	0,55	26251000130	26251000134	26251100130	26251100134
EVMS1-14	1	0,75	26251000140	26251000145	26251100140	26251100145
EVMS1-16	1	0,75	26251000160	26251000165	26251100160	26251100165
EVMS1-18	1,5	1,1	26251000180	26251000185	26251100180	26251100185
EVMS1-20	1,5	1,1	26251000200	26251000205	26251100200	26251100205
EVMS1-22	1,5	1,1	26251000220	26251000225	26251100220	26251100225
EVMS1-24	1,5	1,1	26251000240	26251000245	26251100240	26251100245
EVMS1-26	1,5	1,1	26251000260	26251000265	26251100260	26251100265
EVMS1-27	2	1,5	-	-	26251100270	26251100275
EVMS1-29	2	1,5	-	-	26251100290	26251100295
EVMS1-32	2	1,5	-	-	26251100320	26251100325
EVMS1-34	2	1,5	-	-	26251100340	26251100345
EVMS1-37	3	2,2	-	-	26251100370	26251100375
EVMS1-39	3	2,2	-	-	26251100390	26251100395

Included: oval counterflanges (N)

Not included: round counterflanges as accessories. See page 388

EVMSG 1

Vertical multistage pumps in cast iron



Model	HP	kW	Oval flange (N)		Round flange (F)	
			Code 1 x 230V	Code 3 x 230/400V	Code 1 x 230V	Code 3 x 230/400V
			 DNA DNM G1		 DNA DNM 025	
EVMSG1-2	0,5	0,37	2625000020	2625000024	26250100020	26250100024
EVMSG1-3	0,5	0,37	2625000030	2625000034	26250100030	26250100034
EVMSG1-4	0,5	0,37	2625000040	2625000044	26250100040	26250100044
EVMSG1-5	0,5	0,37	2625000050	2625000054	26250100050	26250100054
EVMSG1-6	0,5	0,37	2625000060	2625000064	26250100060	26250100064
EVMSG1-7	0,5	0,37	2625000070	2625000074	26250100070	26250100074
EVMSG1-8	0,5	0,37	2625000080	2625000084	26250100080	26250100084
EVMSG1-9	0,75	0,55	2625000090	2625000094	26250100090	26250100094
EVMSG1-10	0,75	0,55	2625000100	2625000104	26250100100	26250100104
EVMSG1-11	0,75	0,55	2625000110	2625000114	26250100110	26250100114
EVMSG1-12	0,75	0,55	2625000120	2625000124	26250100120	26250100124
EVMSG1-13	0,75	0,55	2625000130	2625000134	26250100130	26250100134
EVMSG1-14	1	0,75	2625000140	2625000145	26250100140	26250100145
EVMSG1-16	1	0,75	2625000160	2625000165	26250100160	26250100165
EVMSG1-18	1,5	1,1	2625000180	2625000185	26250100180	26250100185
EVMSG1-20	1,5	1,1	2625000200	2625000205	26250100200	26250100205
EVMSG1-22	1,5	1,1	2625000220	2625000225	26250100220	26250100225
EVMSG1-24	1,5	1,1	2625000240	2625000245	26250100240	26250100245
EVMSG1-26	1,5	1,1	2625000260	2625000265	26250100260	26250100265
EVMSG1-27	2	1,5	-	-	26250100270	26250100275
EVMSG1-29	2	1,5	-	-	26250100290	26250100295
EVMSG1-32	2	1,5	-	-	26250100320	26250100325
EVMSG1-34	2	1,5	-	-	26250100340	26250100345
EVMSG1-37	3	2,2	-	-	26250100370	26250100375
EVMSG1-39	3	2,2	-	-	26250100390	26250100395

Included: oval counterflanges (N)
 Not included: round counterflanges as accessories. See page 388

EVMS(L)(G)

EVMS 3


Vertical multistage pumps

EVMS(L)(G)

Selection table

Model		HP	kW	Q=Flow rate							Motor size	Abs. Curr. [A]		
Single phase 230V	Three phase 230/400V			l/min	0	20	30	40	60	75		1~ 230V	3~	
				m³/h	0	1,2	1,8	2,4	3,6	4,5			230V	400V
		H=Total head [m]												
EVMS(.)3 2/0.37M	EVMS(.)3 2/0.37	0,5	0,37		14,7	14,1	13,6	12,9	10,9	8,3	71	3,1	1,70	1,00
EVMS(.)3 3/0.37M	EVMS(.)3 3/0.37	0,5	0,37		22,1	21,1	20,4	19,4	16,4	12,5	71	3,1	1,70	1,00
EVMS(.)3 4/0.37M	EVMS(.)3 4/0.37	0,5	0,37		29,5	28,2	27,1	25,8	21,9	16,7	71	3,1	1,70	1,00
EVMS(.)3 5/0.55M	EVMS(.)3 5/0.55	0,75	0,55		36,9	35,2	33,9	32,3	27,4	20,9	71	3,9	2,60	1,50
EVMS(.)3 6/0.55M	EVMS(.)3 6/0.55	0,75	0,55		44,2	42,5	40,5	38,8	32,8	25	71	3,9	2,60	1,50
EVMS(.)3 7/0.75M	EVMS(.)3 7/0.75	1	0,75		51,5	49,5	47,5	45	38,3	29,2	80	5,3	3,0	1,7
EVMS(.)3 8/0.75M	EVMS(.)3 8/0.75	1	0,75		59	56,5	54,5	51,5	44	33,4	80	5,3	3,0	1,7
EVMS(.)3 9/1.1M	EVMS(.)3 9/1.1	1,5	1,1		66,5	63,5	61	58	49	37,6	80	6,5	4,3	2,5
EVMS(.)3 10/1.1M	EVMS(.)3 10/1.1	1,5	1,1		73,5	70,5	68	64,5	54,5	41,5	80	6,5	4,3	2,5
EVMS(.)3 11/1.1M	EVMS(.)3 11/1.1	1,5	1,1		81	77,5	74,5	71	60	46,0	80	6,5	4,3	2,5
EVMS(.)3 12/1.1M	EVMS(.)3 12/1.1	1,5	1,1		88,5	84,5	81,5	77,5	65,5	50,0	80	6,5	4,3	2,5
EVMS(.)3 13/1.5M	EVMS(.)3 13/1.5	2	1,5		96	91,5	88	84	71	54,5	90	8,8	5,8	3,3
EVMS(.)3 14/1.5M	EVMS(.)3 14/1.5	2	1,5		103	98,5	95	90,5	76,5	58,5	90	8,8	5,8	3,3
EVMS(.)3 15/1.5M	EVMS(.)3 15/1.5	2	1,5		111	106	102	97	82	62,5	90	8,8	5,8	3,3
EVMS(.)3 16/1.5M	EVMS(.)3 16/1.5	2	1,5		118	113	109	103	87,5	67,0	90	8,8	5,8	3,3
EVMS(.)3 17/2.2M	EVMS(.)3 17/2.2	3	2,2		125	120	115	110	93	71,0	90	12,9	8,2	4,7
EVMS(.)3 19/2.2M	EVMS(.)3 19/2.2	3	2,2		140	134	129	123	104	79,5	90	12,9	8,2	4,7
EVMS(.)3 21/2.2M	EVMS(.)3 21/2.2	3	2,2		155	148	142	136	115	87,5	90	12,9	8,2	4,7
EVMS(.)3 23/2.2M	EVMS(.)3 23/2.2	3	2,2		170	162	156	149	126	96,0	90	12,9	8,2	4,7
EVMS(.)3 24/2.2M	EVMS(.)3 24/2.2	3	2,2		177	169	163	155	131	100,0	90	12,9	8,2	4,7
-	EVMS(.)3 25/3.0	4	3		184	176	170	161	137	104,0	100	-	11,1	6,4
-	EVMS(.)3 27/3.0	4	3		199	190	183	174	148	113,0	100	-	11,1	6,4
-	EVMS(.)3 29/3.0	4	3		214	204	197	187	159	121,0	100	-	11,1	6,4
-	EVMS(.)3 31/3.0	4	3		229	218	210	200	170	129,0	100	-	11,1	6,4
-	EVMS(.)3 33/3.0	4	3		243	232	224	213	181	138,0	100	-	11,1	6,4

Model configuration

 Cartridge shaft seal		Max. working pressure [bar]	EVMS in AISI 304 - EVMSL in AISI 316 *					EVMSG in cast iron	
			Oval flange (N)	Round flange (F)	Loose flange (LF)	Victaulic® (V)	Clamp (C)	Oval flange (N)	Round flange (F)
Unbalanced SiC/Carbon EPDM	Q ₁ BEG	16	page 127	page 127	o	o	o	page 128	page 128
Balanced SiC/Carbon EPDM	HQ ₁ BEG	25	o	16 bar: o 25 bar: page 127	o	o	o	o	16 bar: o 25 bar: page 128
Balanced SiC/SiC EPDM	HQ ₉ Q ₁ EG	25	o	o	o	o	o	o	o
Unbalanced SiC/Carbon FPM	Q ₁ BVG	16	o	o	o	o	o	o	o
Balanced SiC/Carbon FPM	HQ ₁ BVG	25	o	o	o	o	o	o	o
Balanced SiC/SiC FPM	HQ ₉ Q ₁ VG	25	o	o	o	o	o	o	o

o On request, please contact our sales network.

Included: oval counterflanges (N), clamp connections (C)

Not included: round counterflanges (F), Victaulic® connection (V), clamp pipe stub, as accessories. See page 388

* AISI 316 on request. Please contact our sales network.

EVMS 3



Vertical multistage pumps in AISI 304

Model	HP	kW	Oval flange (N)		Round flange (F)	
			Code 1 x 230V	Code 3 x 230/400V	Code 1 x 230V	Code 3 x 230/400V
EVMS3- 2	0,5	0,37	26351000020	26351000024	26351100020	26351100024
EVMS3- 3	0,5	0,37	26351000030	26351000034	26351100030	26351100034
EVMS3- 4	0,5	0,37	26351000040	26351000044	26351100040	26351100044
EVMS3- 5	0,75	0,55	26351000050	26351000054	26351100050	26351100054
EVMS3- 6	0,75	0,55	26351000060	26351000064	26351100060	26351100064
EVMS3- 7	1	0,75	26351000070	26351000075	26351100070	26351100075
EVMS3- 8	1	0,75	26351000080	26351000085	26351100080	26351100085
EVMS3- 9	1,5	1,1	26351000090	26351000095	26351100090	26351100095
EVMS3- 10	1,5	1,1	26351000100	26351000105	26351100100	26351100105
EVMS3- 11	1,5	1,1	26351000110	26351000115	26351100110	26351100115
EVMS3- 12	1,5	1,1	26351000120	26351000125	26351100120	26351100125
EVMS3- 13	2	1,5	26351000130	26351000135	26351100130	26351100135
EVMS3- 14	2	1,5	26351000140	26351000145	26351100140	26351100145
EVMS3- 15	2	1,5	26351000150	26351000155	26351100150	26351100155
EVMS3- 16	2	1,5	26351000160	26351000165	26351100160	26351100165
EVMS3- 17	3	2,2	26351000170	26351000175	26351100170	26351100175
EVMS3- 19	3	2,2	26351000190	26351000195	26351100190	26351100195
EVMS3- 21	3	2,2	26351000210	26351000215	26351100210	26351100215
EVMS3- 23	3	2,2	-	-	26351100230	26351100235
EVMS3- 24	3	2,2	-	-	26351100240	26351100245
EVMS3- 25	4	3	-	-	-	26351100255
EVMS3- 27	4	3	-	-	-	26351100275
EVMS3- 29	4	3	-	-	-	26351100295
EVMS3- 31	4	3	-	-	-	26351100315
EVMS3- 33	4	3	-	-	-	26351100335

Included: oval counterflanges (N)



Not included: round counterflanges as accessories. See page 388

EVMSG 3

Vertical multistage pumps in cast iron



EVMS(L)(G)

Model	HP	kW	Oval flange (N)		Round flange (F)	
			Code 1 x 230V	Code 3 x 230/400V	Code 1 x 230V	Code 3 x 230/400V
						
				DNA DNM G1		DNA DNM Ø25
EVMSG3-2	0,5	0,37	26350000020	26350000024	26350100020	26350100024
EVMSG3-3	0,5	0,37	26350000030	26350000034	26350100030	26350100034
EVMSG3-4	0,5	0,37	26350000040	26350000044	26350100040	26350100044
EVMSG3-5	0,75	0,55	26350000050	26350000054	26350100050	26350100054
EVMSG3-6	0,75	0,55	26350000060	26350000064	26350100060	26350100064
EVMSG3-7	1	0,75	26350000070	26350000075	26350100070	26350100075
EVMSG3-8	1	0,75	26350000080	26350000085	26350100080	26350100085
EVMSG3-9	1,5	1,1	26350000090	26350000095	26350100090	26350100095
EVMSG3-10	1,5	1,1	26350000100	26350000105	26350100100	26350100105
EVMSG3-11	1,5	1,1	26350000110	26350000115	26350100110	26350100115
EVMSG3-12	1,5	1,1	26350000120	26350000125	26350100120	26350100125
EVMSG3-13	2	1,5	26350000130	26350000135	26350100130	26350100135
EVMSG3-14	2	1,5	26350000140	26350000145	26350100140	26350100145
EVMSG3-15	2	1,5	26350000150	26350000155	26350100150	26350100155
EVMSG3-16	2	1,5	26350000160	26350000165	26350100160	26350100165
EVMSG3-17	3	2,2	26350000170	26350000175	26350100170	26350100175
EVMSG3-19	3	2,2	26350000190	26350000195	26350100190	26350100195
EVMSG3-21	3	2,2	26350000210	26350000215	26350100210	26350100215
EVMSG3-23	3	2,2	-	-	26350100230	26350100235
EVMSG3-24	3	2,2	-	-	26350100240	26350100245
EVMSG3-25	4	3	-	-	-	26350100255
EVMSG3-27	4	3	-	-	-	26350100275
EVMSG3-29	4	3	-	-	-	26350100295
EVMSG3-31	4	3	-	-	-	26350100315
EVMSG3-33	4	3	-	-	-	26350100335

Included: oval counterflanges (N)

Not included: round counterflanges as accessories. See page 388

EVMS 5

Vertical multistage pumps

Selection table

Model		HP	kW	Q=Flow rate							Motor size	Abs. Curr. [A]			
Single phase 230V	Three phase 230/400/690V			l/min	0	40	60	75	100	130		1~ 230V	3~		
				m³/h	0	2,4	3,6	4,5	6	7,8			230V	400V	690V
				H=Total head [m]											
EVMS(.)5 2/0.37M	EVMS(.)5 2/0.37	0,5	0,37		19,0	18,0	17,1	16,0	13,8	10,2	71	3,1	1,70	1,00	-
EVMS(.)5 3/0.55M	EVMS(.)5 3/0.55	0,75	0,55		28,4	26,9	25,6	23,9	20,7	15,3	71	3,9	2,60	1,50	-
EVMS(.)5 4/0.75M	EVMS(.)5 4/0.75	1	0,75		37,9	35,9	34,1	31,9	27,6	20,4	80	5,3	3,0	1,7	-
EVMS(.)5 5/1.1M	EVMS(.)5 5/1.1	1,5	1,1		47,5	45,0	42,5	39,9	34,5	25,5	80	6,5	4,3	2,5	-
EVMS(.)5 6/1.5M	EVMS(.)5 6/1.5	2	1,5		57,0	54,0	51,0	48,0	41,5	30,6	90	8,8	5,8	3,3	-
EVMS(.)5 7/1.5M	EVMS(.)5 7/1.5	2	1,5		66,5	63,0	59,5	56,0	48,5	35,7	90	8,8	5,8	3,3	-
EVMS(.)5 8/2.2M	EVMS(.)5 8/2.2	3	2,2		76,0	72,0	68,0	64,0	55,0	41,0	90	12,9	8,2	4,7	-
EVMS(.)5 9/2.2M	EVMS(.)5 9/2.2	3	2,2		85,5	81,0	77,0	72,0	62,0	46,0	90	12,9	8,2	4,7	-
EVMS(.)5 10/2.2M	EVMS(.)5 10/2.2	3	2,2		95,0	90,0	85,5	80,0	69,0	51,0	90	12,9	8,2	4,7	-
EVMS(.)5 11/2.2M	EVMS(.)5 11/2.2	3	2,2		104,0	98,5	94,0	87,5	76,0	56,0	90	12,9	8,2	4,7	-
-	EVMS(.)5 12/3.0	4	3,0		114,0	108,0	102,0	95,5	83,0	61,0	100	-	11,1	6,4	-
-	EVMS(.)5 13/3.0	4	3,0		123,0	117,0	111,0	104,0	89,5	66,5	100	-	11,1	6,4	-
-	EVMS(.)5 14/3.0	4	3,0		133,0	126,0	119,0	112,0	96,5	71,5	100	-	11,1	6,4	-
-	EVMS(.)5 15/3.0	4	3,0		142,0	135,0	128,0	120,0	104,0	76,5	100	-	11,1	6,4	-
-	EVMS(.)5 17/4.0	5,5	4,0		161,0	153,0	145,0	136,0	117,0	86,5	112	-	15,1	8,7	-
-	EVMS(.)5 19/4.0	5,5	4,0		180,0	171,0	162,0	152,0	131,0	97,0	112	-	15,1	8,7	-
-	EVMS(.)5 20/4.0	5,5	4,0		190,0	179,0	171,0	160,0	138,0	102,0	112	-	15,1	8,7	-
-	EVMS(.)5 23/5.5	7,5	5,5		218,0	206,0	196,0	183,0	159,0	117,0	132	-	-	10,4	6,0
-	EVMS(.)5 25/5.5	7,5	5,5		237,0	224,0	213,0	199,0	173,0	127,0	132	-	-	10,4	6,0
-	EVMS(.)5 27/5.5	7,5	5,5		256,0	242,0	230,0	215,0	186,0	138,0	132	-	-	10,4	6,0

EVMS(L)(G)

Model configuration



Cartridge shaft seal

Max. working pressure [bar]

		Max. working pressure [bar]	EVMS in AISI 304 - EVMSL in AISI 316 *					EVMSG in cast iron	
			Oval flange (N)	Round flange (F)	Loose flange (LF)	Victaulic® (V)	Clamp (C)	Oval flange (N)	Round flange (F)
Unbalanced SiC/Carbon EPDM	Q ₁ BEG	16	page 130	page 130	o	o	o	page 131	page 131
Balanced SiC/Carbon EPDM	HQ ₁ BEG	25	o	16 bar: o 25 bar: page 130	o	o	o	o	16 bar: o 25 bar: page 131
Balanced SiC/SiC EPDM	HQ ₉ Q ₁ EG	25	o	o	o	o	o	o	o
Unbalanced SiC/Carbon FPM	Q ₁ BVG	16	o	o	o	o	o	o	o
Balanced SiC/Carbon FPM	HQ ₁ BVG	25	o	o	o	o	o	o	o
Balanced SiC/SiC FPM	HQ ₉ Q ₁ VG	25	o	o	o	o	o	o	o

o On request, please contact our sales network.

Included: oval counterflanges (N), clamp connections (C)

Not included: round counterflanges (F), Victaulic® connection (V), clamp pipe stub, as accessories. See page 388

* AISI 316 on request. Please contact our sales network.

EVMS 5



Vertical multistage pumps in AISI 304

EVMS(L)(G)

Model	HP	kW	Oval flange (N)		Round flange (F)	
			Code 1 x 230V	Code 3 x 230/400/690V	Code 1 x 230V	Code 3 x 230/400/690V
EVMS5- 2	0,5	0,37	26451000020	26451000024	26451100020	26451100024
EVMS5- 3	0,75	0,55	26451000030	26451000034	26451100030	26451100034
EVMS5- 4	1	0,75	26451000040	26451000045	26451100040	26451100045
EVMS5- 5	1,5	1,1	26451000050	26451000055	26451100050	26451100055
EVMS5- 6	2	1,5	26451000060	26451000065	26451100060	26451100065
EVMS5- 7	2	1,5	26451000070	26451000075	26451100070	26451100075
EVMS5- 8	3	2,2	26451000080	26451000085	26451100080	26451100085
EVMS5- 9	3	2,2	26451000090	26451000095	26451100090	26451100095
EVMS5- 10	3	2,2	26451000100	26451000105	26451100100	26451100105
EVMS5- 11	3	2,2	26451000110	26451000115	26451100110	26451100115
EVMS5- 12	4	3,0	-	26451000125	-	26451100125
EVMS5- 13	4	3,0	-	26451000135	-	26451100135
EVMS5- 14	4	3,0	-	26451000145	-	26451100145
EVMS5- 15	4	3,0	-	26451000155	-	26451100155
EVMS5- 17	5,5	4,0	-	26451000175	-	26451100175
EVMS5- 19	5,5	4,0	-	-	-	26451100195
EVMS5- 20	5,5	4,0	-	-	-	26451100205
EVMS5- 23	7,5	5,5	-	-	-	26451100235
EVMS5- 25	7,5	5,5	-	-	-	26451100255
EVMS5- 27	7,5	5,5	-	-	-	26451100275

Included: oval counterflanges (N)

Not included: round counterflanges as accessories. See page 388

EVMSG 5

Vertical multistage pumps in cast iron



Model	HP	kW	Oval flange (N)		Round flange (F)	
			Code 1 x 230V	Code 3 x 230/400/690V	Code 1 x 230V	Code 3 x 230/400/690V
						
				DNA DNM G1¼		DNA DNM Ø32
EVMSG5- 2	0,5	0,37	26450000020	26450000024	26450100020	26450100024
EVMSG5- 3	0,75	0,55	26450000030	26450000034	26450100030	26450100034
EVMSG5- 4	1	0,75	26450000040	26450000045	26450100040	26450100045
EVMSG5- 5	1,5	1,1	26450000050	26450000055	26450100050	26450100055
EVMSG5- 6	2	1,5	26450000060	26450000065	26450100060	26450100065
EVMSG5- 7	2	1,5	26450000070	26450000075	26450100070	26450100075
EVMSG5- 8	3	2,2	26450000080	26450000085	26450100080	26450100085
EVMSG5- 9	3	2,2	26450000090	26450000095	26450100090	26450100095
EVMSG5- 10	3	2,2	26450000100	26450000105	26450100100	26450100105
EVMSG5- 11	3	2,2	26450000110	26450000115	26450100110	26450100115
EVMSG5- 12	4	3,0	-	26450000125	-	26450100125
EVMSG5- 13	4	3,0	-	26450000135	-	26450100135
EVMSG5- 14	4	3,0	-	26450000145	-	26450100145
EVMSG5- 15	4	3,0	-	26450000155	-	26450100155
EVMSG5- 17	5,5	4,0	-	26450000175	-	26450100175
EVMSG5- 19	5,5	4,0	-	-	-	26450100195
EVMSG5- 20	5,5	4,0	-	-	-	26450100205
EVMSG5- 23	7,5	5,5	-	-	-	26450100235
EVMSG5- 25	7,5	5,5	-	-	-	26450100255
EVMSG5- 27	7,5	5,5	-	-	-	26450100275

Included: oval counterflanges (N)

Not included: round counterflanges as accessories. See page 388

EVMS 10









Vertical multistage pumps

EVMS(L)(G)

Selection table

Model		HP	kW	Q=Flow rate									Motor size	Abs. Curr. [A]						
Single phase 230V	Three phase 230/400/690V			H=Total head [m]										1~ 230V		3~ 230V 400V 690V				
				l/min m³/h	0	75	100	130	150	180	200	250		0	4,5	6,0	7,8	9,0	10,8	12,0
EVMS(.)10 2/0.75M	EVMS(.)10 2/0.75	1	0,75	21,8	21,2	20,8	19,7	18,7	16,6	14,9	9,8	80	5,3	3,0	1,7	-				
EVMS(.)10 3/1.5M	EVMS(.)10 3/1.5	2	1,5	32,7	31,8	31,2	29,6	28,0	24,9	22,4	14,7	90	8,8	5,8	3,3	-				
EVMS(.)10 4/2.2M	EVMS(.)10 4/2.2	3	2,2	43,6	42,4	41,7	39,5	37,3	33,2	29,8	19,6	90	12,9	8,2	4,7	-				
EVMS(.)10 5/2.2M	EVMS(.)10 5/2.2	3	2,2	54,5	53	52	49,3	46,7	41,5	37,3	24,6	90	12,9	8,2	4,7	-				
EVMS(.)10 6/2.2M	EVMS(.)10 6/2.2	3	2,2	65,5	63,5	62,5	59	56	50	45	29,5	90	12,9	8,2	4,7	-				
-	EVMS(.)10 7/3.0	4	3,0	76,5	74	73	69	65,5	58	52	34,4	100	-	11,1	6,4	-				
-	EVMS(.)10 8/3.0	4	3,0	87,0	84,5	83,5	79	74,5	66,5	59,5	39,3	100	-	11,1	6,4	-				
-	EVMS(.)10 9/4.0	5,5	4,0	98	95,5	93,5	89	84	74,5	67	44,0	112	-	15,1	8,7	-				
-	EVMS(.)10 10/4.0	5,5	4,0	109	106	104	98,5	93,5	83	74,5	49,0	112	-	15,1	8,7	-				
-	EVMS(.)10 11/4.0	5,5	4,0	120	116	115	109	103	91,5	82	54,0	112	-	15,1	8,7	-				
-	EVMS(.)10 12/5.5	7,5	5,5	131	127	125	118	112	99,5	89,5	59,0	132	-	-	10,4	6,0				
-	EVMS(.)10 14/5.5	7,5	5,5	153	148	146	138	131	116	104	68,5	132	-	-	10,4	6,0				
-	EVMS(.)10 15/5.5	7,5	5,5	163	159	156	148	140	124	112	73,5	132	-	-	10,4	6,0				
-	EVMS(.)10 16/7.5	10	7,5	174	169	167	158	149	133	119	78,5	132	-	-	13,6	7,9				
-	EVMS(.)10 18/7.5	10	7,5	196	191	187	178	168	149	134	88,5	132	-	-	13,6	7,9				
-	EVMS(.)10 19/7.5	10	7,5	207	201	198	188	177	158	142	93,5	132	-	-	13,6	7,9				
-	EVMS(.)10 21/7.5	10	7,5	229	222	219	207	196	174	157	103,0	132	-	-	13,6	7,9				
-	EVMS(.)10 22/11	15	11	240	233	229	217	205	183	164	108,0	160	-	-	21,3	12,3				
-	EVMS(.)10 23/11	15	11	251	244	240	227	215	191	172	113,0	160	-	-	21,3	12,3				

Model configuration

 Cartridge shaft seal		Max. working pressure [bar]	EVMS in AISI 304 - EVMSL in AISI 316 *					EVMSG in cast iron	
			 Oval flange (N)	 Round flange (F)	 Loose flange (LF)	 Victaulic® (V)	 Clamp (C)	 Oval flange (N)	 Round flange (F)
Unbalanced SiC/Carbon EPDM	Q ₁ BEG	16	page 133	page 133	o	o	o	page 134	page 134
Balanced SiC/Carbon EPDM	HQ ₁ BEG	25	o	16 bar: o 25 bar: page 133	o	o	o	o	16 bar: o 25 bar: page 134
Balanced SiC/SiC EPDM	HQ ₉ Q ₁ EG	25	o	o	o	o	o	o	o
Unbalanced SiC/Carbon FPM	Q ₁ BVG	16	o	o	o	o	o	o	o
Balanced SiC/Carbon FPM	HQ ₁ BVG	25	o	o	o	o	o	o	o
Balanced SiC/SiC FPM	HQ ₉ Q ₁ VG	25	o	o	o	o	o	o	o

o On request, please contact our sales network.

Included: oval counterflanges (N), clamp connections (C)

Not included: round counterflanges (F), Victaulic® connection (V), clamp pipe stub, as accessories. See page 388

* AISI 316 on request. Please contact our sales network.

EVMS 10



Vertical multistage pumps in AISI 304

Model	HP	kW	Oval flange (N)		Round flange (F)	
			Code 1 x 230V	Code 3 x 230/400/690V	Code 1 x 230V	Code 3 x 230/400/690V
EVMS10- 2	1	0,75	26551000020	26551000025	26551100020	26551100025
EVMS10- 3	2	1,5	26551000030	26551000035	26551100030	26551100035
EVMS10- 4	3	2,2	26551000040	26551000045	26551100040	26551100045
EVMS10- 5	3	2,2	26551000050	26551000055	26551100050	26551100055
EVMS10- 6	3	2,2	26551000060	26551000065	26551100060	26551100065
EVMS10- 7	4	3,0	-	26551000075	-	26551100075
EVMS10- 8	4	3,0	-	26551000085	-	26551100085
EVMS10- 9	5,5	4,0	-	26551000095	-	26551100095
EVMS10- 10	5,5	4,0	-	26551000105	-	26551100105
EVMS10- 11	5,5	4,0	-	26551000115	-	26551100115
EVMS10- 12	7,5	5,5	-	26551000125	-	26551100125
EVMS10- 14	7,5	5,5	-	26551000145	-	26551100145
EVMS10- 15	7,5	5,5	-	26551000155	-	26551100155
EVMS10- 16	10	7,5	-	-	-	26551100165
EVMS10- 18	10	7,5	-	-	-	26551100185
EVMS10- 19	10	7,5	-	-	-	26551100195
EVMS10- 21	10	7,5	-	-	-	26551100215
EVMS10- 22	15	11	-	-	-	26551100225
EVMS10- 23	15	11	-	-	-	26551100235

Included: oval counterflanges (N)

Not included: round counterflanges as accessories. See page 388

EVMSG 10

Vertical multistage pumps in cast iron



EVMS(L)(G)

Model	HP	kW	Oval flange (N)		Round flange (F)	
			Code 1 x 230V	Code 3 x 230/400/690V	Code 1 x 230V	Code 3 x 230/400/690V
EVMSG10- 2	1	0,75	26550000020	26550000025	26550100020	26550100025
EVMSG10- 3	2	1,5	26550000030	26550000035	26550100030	26550100035
EVMSG10- 4	3	2,2	26550000040	26550000045	26550100040	26550100045
EVMSG10- 5	3	2,2	26550000050	26550000055	26550100050	26550100055
EVMSG10- 6	3	2,2	26550000060	26550000065	26550100060	26550100065
EVMSG10- 7	4	3,0	-	26550000075	-	26550100075
EVMSG10- 8	4	3,0	-	26550000085	-	26550100085
EVMSG10- 9	5,5	4,0	-	26550000095	-	26550100095
EVMSG10- 10	5,5	4,0	-	26550000105	-	26550100105
EVMSG10- 11	5,5	4,0	-	26550000115	-	26550100115
EVMSG10- 12	7,5	5,5	-	26550000125	-	26550100125
EVMSG10- 14	7,5	5,5	-	26550000145	-	26550100145
EVMSG10- 15	7,5	5,5	-	26550000155	-	26550100155
EVMSG10- 16	10	7,5	-	-	-	26550100165
EVMSG10- 18	10	7,5	-	-	-	26550100185
EVMSG10- 19	10	7,5	-	-	-	26550100195
EVMSG10- 21	10	7,5	-	-	-	26550100215
EVMSG10- 22	15	11	-	-	-	26550100225
EVMSG10- 23	15	11	-	-	-	26550100235

Included: oval counterflanges (N)

Not included: round counterflanges as accessories. See page 388

EVMS 15

Vertical multistage pumps

Selection table

Model		HP	kW	Q=Flow rate										Motor size	Abs. Curr. [A]			
Single phase 230V	Three phase 230/400/690V			l/min	0	130	150	180	200	250	300	350	400		1~ 230V	3~ 230V	3~ 400V	3~ 690V
				m³/h	0	7,8	9,0	10,8	12,0	15,0	18,0	21,0	24,0	H=Total head [m]				
EVMS(.)15 1/1.1M	EVMS(.)15 1/1.1	1,5	1,1		14,9	13,3	13	12,4	12,1	10,8	9,5	7,5	4,8	80	6,5	4,3	2,5	-
EVMS(.)15 2/2.2M	EVMS(.)15 2/2.2	3	2,2		29,5	27,5	27,1	26	26,1	24,9	23,1	20,4	16,8	90	12,9	8,2	4,7	-
-	EVMS(.)15 3/3.0	4	3,0		44,5	41,5	40,5	39,7	39,1	37,3	34,7	30,6	25,2	100	-	11,1	6,4	-
-	EVMS(.)15 4/4.0	5,5	4,0		59	55	54,5	53	52	50	46,5	41	33,6	112	-	15,1	8,7	-
-	EVMS(.)15 5/5.5	7,5	5,5		73,5	69	68	66	65	62	58	51	42,0	132	-	-	10,4	6,0
-	EVMS(.)15 6/5.5	7,5	5,5		88,5	82,5	81,5	79,5	78	74,5	69,5	61	50,5	132	-	-	10,4	6,0
-	EVMS(.)15 7/7.5	10	7,5		103	96,5	95,0	92,5	91	87	81	71,5	58,5	132	-	-	13,6	7,9
-	EVMS(.)15 8/7.5	10	7,5		118	110	109	106	104	99,5	92,5	81,5	67,0	132	-	-	13,6	7,9
-	EVMS(.)15 9/11	15	11		133	124	122	119	117	112	104	92	75,5	160	-	-	21,3	12,3
-	EVMS(.)15 10/11	15	11		147	138	136	132	130	124	116	102	84,0	160	-	-	21,3	12,3
-	EVMS(.)15 11/11	15	11		162	151	149	146	143	137	127	112	92,5	160	-	-	21,3	12,3
-	EVMS(.)15 12/11	15	11		177	165	163	159	156	149	139	122	101,0	160	-	-	21,3	12,3
-	EVMS(.)15 13/11	15	11		191	179	176	172	169	162	150	133	109,0	160	-	-	21,3	12,3
-	EVMS(.)15 15/15	20	15		221	206	203	199	195	187	174	153	126,0	160 M	-	-	26,7	15,4
-	EVMS(.)15 17/15	20	15		250	234	231	225	221	211	197	173	143,0	160 M	-	-	26,7	15,4

EVMS(L)(G)

Model configuration



Cartridge shaft seal

Max. working pressure [bar]

		EVMS in AISI 304 - EVMSL in AISI 316 *					EVMSG in cast iron	
		Oval flange (N)	Round flange (F)	Loose flange (LF)	Victaulic® (V)	Clamp (C)	Oval flange (N)	Round flange (F)
Unbalanced SiC/Carbon EPDM	Q ₁ BEG	16	page 136	page 136	o	o	o	o
Balanced SiC/Carbon EPDM	HQ ₁ BEG	25	o	16 bar: o 25 bar: page 136	o	o	o	16 bar: o 25 bar: page 137
Balanced SiC/SiC EPDM	HQ ₉ Q ₁ EG	25	o	o	o	o	o	o
Unbalanced SiC/Carbon FPM	Q ₁ BVG	16	o	o	o	o	o	o
Balanced SiC/Carbon FPM	HQ ₁ BVG	25	o	o	o	o	o	o
Balanced SiC/SiC FPM	HQ ₉ Q ₁ VG	25	o	o	o	o	o	o

o On request, please contact our sales network.

Included: oval counterflanges (N), clamp connections (C)

Not included: round counterflanges (F), Victaulic® connection (V), clamp pipe stub, as accessories. See page 388

* AISI 316 on request. Please contact our sales network.

EVMS 15



Vertical multistage pumps in AISI 304

EVMS(L)(G)

Model	HP	kW	Oval flange (N)		Round flange (F)	
			Code 1 x 230V	Code 3 x 230/400/690V	Code 1 x 230V	Code 3 x 230/400/690V
EVMS15- 1	1,5	1,1	26651000010	26651000015	26651100010	26651100015
EVMS15- 2	3	2,2	26651000020	26651000025	26651100020	26651100025
EVMS15- 3	4	3,0	-	26651000035	-	26651100035
EVMS15- 4	5,5	4,0	-	26651000045	-	26651100045
EVMS15- 5	7,5	5,5	-	26651000055	-	26651100055
EVMS15- 6	7,5	5,5	-	26651000065	-	26651100065
EVMS15- 7	10	7,5	-	26651000075	-	26651100075
EVMS15- 8	10	7,5	-	26651000085	-	26651100085
EVMS15- 9	15	11	-	26651000095	-	26651100095
EVMS15- 10	15	11	-	26651000105	-	26651100105
EVMS15- 11	15	11	-	26651000115	-	26651100115
EVMS15- 12	15	11	-	-	-	26651100125
EVMS15- 13	15	11	-	-	-	26651100135
EVMS15- 15	20	15	-	-	-	26651100154
EVMS15- 17	20	15	-	-	-	26651100174

Included: oval counterflanges (N)

Not included: round counterflanges as accessories. See page 388

EVMSG 15

Vertical multistage pumps in cast iron



Model	HP	kW	Oval flange (N)		Round flange (F)	
			Code 1 x 230V	Code 3 x 230/400/690V	Code 1 x 230V	Code 3 x 230/400/690V
			 DNA DNM G2		 DNA DNM Ø50	
EVMSG15- 1	1,5	1,1	26650000010	26650000015	26650100010	26650100015
EVMSG15- 2	3	2,2	26650000020	26650000025	26650100020	26650100025
EVMSG15- 3	4	3,0	-	26650000035	-	26650100035
EVMSG15- 4	5,5	4,0	-	26650000045	-	26650100045
EVMSG15- 5	7,5	5,5	-	26650000055	-	26650100055
EVMSG15- 6	7,5	5,5	-	26650000065	-	26650100065
EVMSG15- 7	10	7,5	-	26650000075	-	26650100075
EVMSG15- 8	10	7,5	-	26650000085	-	26650100085
EVMSG15- 9	15	11	-	26650000095	-	26650100095
EVMSG15- 10	15	11	-	26650000105	-	26650100105
EVMSG15- 11	15	11	-	26650000115	-	26650100115
EVMSG15- 12	15	11	-	-	-	26650100125
EVMSG15- 13	15	11	-	-	-	26650100135
EVMSG15- 15	20	15	-	-	-	26650100154
EVMSG15- 17	20	15	-	-	-	26650100174

Included: oval counterflanges (N)
Not included: round counterflanges as accessories. See page 388

EVMS 20

Vertical multistage pumps

EVMS(L)(G)

Selection table

Model		HP	kW	Q=Flow rate										Motor size	Abs. Curr. [A]							
Single phase 230V	Three phase 230/400/690V			H=Total head [m]											1~ 230V		3~ 400V 690V					
				l/min m³/h	0	180	200	250	300	350	400	450	480		0	10,8	12,0	15,0	18,0	21,0	24,0	27,0
EVMS(.)20 1/1.5M	EVMS(.)20 1/1.5	2	1,5		17,2	14,3	13,9	12,8	11,3	9,6	7,3	4,3	2,4	90	8,8	5,8	3,3	-				
-	EVMS(.)20 2/3.0	4	3,0		33,7	30,4	29,9	28,9	27,7	26,2	23,6	19,9	17,4	100	-	11,1	6,4	-				
-	EVMS(.)20 3/4.0	5,5	4,0		50,5	46	45	43,4	41,6	39,2	35,5	29,9	26,2	112	-	15,1	8,7	-				
-	EVMS(.)20 4/5.5	7,5	5,5		67,4	61	60	58	55,4	52,3	47,3	39,8	34,9	132	-	-	10,4	6,0				
-	EVMS(.)20 5/7.5	10	7,5		84,2	76,0	75	72,3	69,3	65,4	59	49,8	43,6	132	-	-	13,6	7,9				
-	EVMS(.)20 6/7.5	10	7,5		101	91,2	90	87	83,1	78,5	71	59,7	52,3	132	-	-	13,6	7,9				
-	EVMS(.)20 7/11	15	11		118	106	105	101	97	91,5	82,7	70	61,1	160	-	-	21,3	12,3				
-	EVMS(.)20 8/11	15	11		135	122	120	116	111	105	95	80	70,0	160	-	-	21,3	12,3				
-	EVMS(.)20 9/11	15	11		152	137	135	130	125	118	106	89,6	79,0	160	-	-	21,3	12,3				
-	EVMS(.)20 10/11	15	11		168	152	150	145	139	131	118	100	87,0	160	-	-	21,3	12,3				
-	EVMS(.)20 11/15	20	15		185	167	165	159	152	144	130	110	96,0	160 M	-	-	26,7	15,4				
-	EVMS(.)20 12/15	20	15		202	182	179	173	166	157	142	119	105,0	160 M	-	-	26,7	15,4				
-	EVMS(.)20 13/15	20	15		219	198	194	188	180	170	154	129	113,0	160 M	-	-	26,7	15,4				
-	EVMS(.)20 14/18.5	25	18,5		236	213	209	202	194	183	166	139	122,0	160 L	-	-	33,0	19,1				
-	EVMS(.)20 15/18.5	25	18,5		253	228	224	217	208	196	177	149	131,0	160 L	-	-	33,0	19,1				
-	EVMS(.)20 16/18.5	25	18,5		270	243	239	231	222	209	189	159	140,0	160 L	-	-	33,0	19,1				

Model configuration



Cartridge shaft seal

Max. working pressure [bar]

EVMS in AISI 304 - EVMSL in AISI 316 *

EVMSG in cast iron

		Max. working pressure [bar]	EVMS in AISI 304 - EVMSL in AISI 316 *					EVMSG in cast iron	
			Oval flange (N)	Round flange (F)	Loose flange (LF)	Victaulic® (V)	Clamp (C)	Oval flange (N)	Round flange (F)
Unbalanced SiC/Carbon EPDM	Q ₁ BEG	16	page 139	page 139	o	o	o	page 140	page 140
Balanced SiC/Carbon EPDM	HQ ₁ BEG	25	o	16 bar: o 25 bar: page 139	o	o	o	o	16 bar: o 25 bar: page 140
Balanced SiC/SiC EPDM	HQ ₉ Q ₁ EG	25	o	o	o	o	o	o	o
Unbalanced SiC/Carbon FPM	Q ₁ BVG	16	o	o	o	o	o	o	o
Balanced SiC/Carbon FPM	HQ ₁ BVG	25	o	o	o	o	o	o	o
Balanced SiC/SiC FPM	HQ ₉ Q ₁ VG	25	o	o	o	o	o	o	o

o On request, please contact our sales network.

Included: oval counterflanges (N), clamp connections (C)

Not included: round counterflanges (F), Victaulic® connection (V), clamp pipe stub, as accessories. See page 388

* AISI 316 on request. Please contact our sales network.

EVMS 20



Vertical multistage pumps in AISI 304

Model	HP	kW	Oval flange (N)		Round flange (F)	
			Code 1 x 230V	Code 3 x 230/400/690V	Code 1 x 230V	Code 3 x 230/400/690V
EVMS20- 1	2	1,5	26751000010	26751000015	26751100010	26751100015
EVMS20- 2	4	3,0	-	26751000025	-	26751100025
EVMS20- 3	5,5	4,0	-	26751000035	-	26751100035
EVMS20- 4	7,5	5,5	-	26751000045	-	26751100045
EVMS20- 5	10	7,5	-	26751000055	-	26751100055
EVMS20- 6	10	7,5	-	26751000065	-	26751100065
EVMS20- 7	15	11	-	26751000075	-	26751100075
EVMS20- 8	15	11	-	26751000085	-	26751100085
EVMS20- 9	15	11	-	26751000095	-	26751100095
EVMS20- 10	15	11	-	-	-	26751100105
EVMS20- 11	20	15	-	-	-	26751100114
EVMS20- 12	20	15	-	-	-	26751100124
EVMS20- 13	20	15	-	-	-	26751100134
EVMS20- 14	25	18,5	-	-	-	26751100144
EVMS20- 15	25	18,5	-	-	-	26751100154
EVMS20- 16	25	18,5	-	-	-	26751100164

Included: oval counterflanges (N)

Not included: round counterflanges as accessories. See page 388

EVMSG 20

Vertical multistage pumps in cast iron



EVMS(L)(G)

Model	HP	kW	Oval flange (N)		Round flange (F)	
			Code 1 x 230V	Code 3 x 230/400/690V	Code 1 x 230V	Code 3 x 230/400/690V
EVMSG20- 1	2	1,5	26750000010	26750000015	26750100010	26750100015
EVMSG20- 2	4	3,0	-	26750000025	-	26750100025
EVMSG20- 3	5,5	4,0	-	26750000035	-	26750100035
EVMSG20- 4	7,5	5,5	-	26750000045	-	26750100045
EVMSG20- 5	10	7,5	-	26750000055	-	26750100055
EVMSG20- 6	10	7,5	-	26750000065	-	26750100065
EVMSG20- 7	15	11	-	26750000075	-	26750100075
EVMSG20- 8	15	11	-	26750000085	-	26750100085
EVMSG20- 9	15	11	-	26750000095	-	26750100095
EVMSG20- 10	15	11	-	-	-	26750100105
EVMSG20- 11	20	15	-	-	-	26750100114
EVMSG20- 12	20	15	-	-	-	26750100124
EVMSG20- 13	20	15	-	-	-	26750100134
EVMSG20- 14	25	18,5	-	-	-	26750100144
EVMSG20- 15	25	18,5	-	-	-	26750100154
EVMSG20- 16	25	18,5	-	-	-	26750100164

Included: oval counterflanges (N)

Not included: round counterflanges as accessories. See page 388

EVM(G)(L)



Vertical multistage pumps in AISI 304 or cast iron

Vertical multistage pumps in AISI 304 stainless steel (EVM) and cast iron (EVMG) multistage electric pumps. Reliable, quiet and easy to maintain. Used in residential, commercial, industrial, agricultural and fire-fighting pressure boosting systems, in primary water treatment, reverse osmosis, filtration systems, etc. Suitable for handling moderately aggressive fluids, filling boilers, washing, heating, refrigeration and airconditioning systems. IEC standard motors available, robust construction.



Easy maintenance



High efficiency



Practical and easy to use

Materials

Pump body	AISI 304 (EVM), AISI 316 (EVMSL) Cast iron (EVMG)
Impeller	AISI 304 (EVM, EVMG), AISI 316 (EVMSL)
Shaft	AISI 304 (EVM, EVMG), AISI 316 (EVMSL)
Mechanical seal	SiC/Carbon/FPM
Motor bracket	Cast iron

Technical data

Max. working pressure	30 bar
Max. temperature of the liquid	-15°C ÷ +120°C
MEI	> 0,7
Poles	2
Insulation class	F (temperature rise class B)
Protection degree	IP55
Voltage	Three phase 230/400V ±10% (up to 4kW) Three phase 400/690V ±10% (from 5,5kW and above)

Accessories



Counterflanges kit

Page 388 - Galvanized counterflanges kit



Control panels

Page 367 - Control panels
1EP-E SERIES, QM1, QT1, QS1,
QA50/B - QA60/C, SMART

Standard Motors

IEC Standard motor is used.

This makes easier to find a replacement motor, in case of necessity

EVMG 32 - 45



Vertical multistage pumps in cast iron

Three phase 230/400/690V															2 Poles	
Model	Code	HP	kW	Q=Flow rate								Abs. Curr.			DNA DNM	Weight [kg]
				l/min	200	350	500	600	700	900	1000	[A]				
				m³/h	12	21	30	36	42	54	60	230V	400V	690V		
				H=Total head [m]												
EVMG/132 1-0F5/2,2	2360100004I	3	2,2		21,7	19,6	16,4	13,2	9,7	-	-	8	4,6	-	Ø65	72,0
EVMG/132 2-2F5/3,0	2360110204I	4	3		36,9	31,6	23,5	17,4	-	-	-	9,7	5,6	-	Ø65	80,0
EVMG/132 2-0F5/4,0	2360120004I	5,5	4		43,5	39,2	32,8	26,5	19,4	-	-	12,1	7	-	Ø65	84,0
EVMG/132 3-3F5/5,5	2360130304I	7,5	5,5		55,5	47,5	35,2	26,1	-	-	-	-	10	5,8	Ø65	111,0
EVMG/132 3-1F5/5,5	2360130004I	7,5	5,5		62,0	55,0	44,5	35,2	24,5	-	-	-	10	5,8	Ø65	111,0
EVMG/132 4-3F5/7,5	2360140304I	10	7,5		77,0	67,0	51,5	39,4	-	-	-	-	13,5	7,8	Ø65	116,0
EVMG/132 4-1F5/7,5	2360140004I	10	7,5		83,5	74,5	61,0	48,5	34,2	-	-	-	13,5	7,8	Ø65	116,0
EVMG/132 5-3F5/11	2360160304I	15	11		100,0	89,0	70,0	54,0	37,3	-	-	-	19,5	11,2	Ø65	156,0
EVMG/132 5-0F5/11	2360160004I	15	11		110,0	100,0	84,0	67,0	49,0	-	-	-	19,5	11,2	Ø65	156,0
EVMG/132 6-3F5/11	2360161304I	15	11		122,0	109,0	87,0	67,5	47,0	-	-	-	19,5	11,2	Ø65	159,0
EVMG/132 6-2F5/11	2360161004I	15	11		125,0	113,0	91,5	71,5	51,0	-	-	-	19,5	11,2	Ø65	159,0
EVMG/132 7-3F5/15	2360170304I	20	15		144,0	129,0	104,0	81,0	57,0	-	-	-	26,7	15,4	Ø65	189,0
EVMG/132 7-0F5/15	2360170004I	20	15		154,0	141,0	118,0	94,0	69,0	-	-	-	26,7	15,4	Ø65	189,0
EVMG/132 8-3F5/15	2360171304I	20	15		166,0	150,0	121,0	94,0	67,0	-	-	-	26,7	15,4	Ø65	194,0
EVMG/132 8-2F5/15	2360172004I	20	15		172,0	157,0	130,0	103,0	75,0	-	-	-	26,7	15,4	Ø65	194,0
EVMG/132 9-3F5/18,5	2360180304I	25	18,5		188,0	170,0	137,0	108,0	76,5	-	-	-	35,3	20,4	Ø65	212,0
EVMG/132 9-0F5/18,5	2360180004I	25	18,5		197,0	181,0	152,0	121,0	88,5	-	-	-	35,3	20,4	Ø65	212,0
EVMG/132 10-3F5/18,5	2360181304I	25	18,5		210,0	190,0	154,0	121,0	86,5	-	-	-	35,3	20,4	Ø65	215,0
EVMG/132 10-2F5/18,5	2360181104I	25	18,5		213,0	193,0	159,0	125,0	90,5	-	-	-	35,3	20,4	Ø65	215,0
EVMG/132 11-3F5/22	2360190304I	30	22		232,0	210,0	171,0	134,0	96,5	-	-	-	38	22	Ø65	278,0
EVMG/132 11-0F5/22	2360190004I	30	22		241,0	221,0	185,0	147,0	108,0	-	-	-	38	22	Ø65	278,0
EVMG/132 12-3F5/22	2360191304I	30	22		254,0	230,0	188,0	148,0	106,0	-	-	-	38	22	Ø65	285,0
EVMG/132 13-3F5/30	2360200304I	40	30		276,0	250,0	205,0	161,0	116,0	-	-	-	51,8	30	Ø65	359,0
EVMG/132 13-0F5/30	2360200004I	40	30		285,0	261,0	219,0	174,0	128,0	-	-	-	51,8	30	Ø65	359,0
EVMG/132 14-3F5/30	2360201304I	40	30		298,0	270,0	222,0	175,0	126,0	-	-	-	51,8	30	Ø65	362,0
EVMG/132 14-0F5/30	2360201004I	40	30		307,0	281,0	236,0	188,0	138,0	-	-	-	51,8	30	Ø65	362,0
EVMG/145 1-1F5/3,0	2410100104I	4	3		-	18,9	17,6	16,3	14,3	8,3	-	9,7	5,6	-	Ø80	92,0
EVMG/145 1-0F5/4,0	2410120004I	5,5	4		-	25,6	24,6	23,5	21,8	16,7	13,3	12,1	7	-	Ø80	98,0
EVMG/145 2-2F5/5,5	2410130204I	7,5	5,5		-	38,1	35,8	33,4	29,8	18,6	-	-	10	5,8	Ø80	118,0
EVMG/145 2-0F5/7,5	2410140004I	10	7,5		-	51,5	50,0	48,0	45,0	35,4	29,1	-	13,5	7,8	Ø80	120,0
EVMG/145 3-2F5/11	2410160204I	15	11		-	64,0	61,0	58,0	53,0	37,3	-	-	19,5	11,2	Ø80	159,0
EVMG/145 3-0F5/11	2410160004I	15	11		-	77,5	75,0	72,5	68,0	54,0	45,0	-	19,5	11,2	Ø80	159,0
EVMG/145 4-2F5/15	2410170204I	20	15		-	90,0	86,0	82,0	76,0	56,0	43,0	-	26,7	15,4	Ø80	194,0
EVMG/145 4-0F5/15	2410170004I	20	15		-	103,0	100,0	96,5	91,0	73,0	60,5	-	26,7	15,4	Ø80	194,0
EVMG/145 5-2F5/18,5	2410180204I	25	18,5		-	116,0	111,0	107,0	99,0	74,5	58,5	-	35,3	20,4	Ø80	230,0
EVMG/145 5-0F5/18,5	2410180004I	25	18,5		-	129,0	125,0	121,0	114,0	91,5	76,5	-	35,3	20,4	Ø80	230,0
EVMG/145 6-2F5/22	2410190204I	30	22		-	142,0	137,0	131,0	122,0	93,5	74,5	-	38	22	Ø80	293,0
EVMG/145 6-0F5/22	2410190004I	30	22		-	155,0	151,0	146,0	137,0	110,0	92,5	-	38	22	Ø80	293,0
EVMG/145 7-2F5/30	2410200204I	40	30		-	168,0	162,0	155,0	145,0	112,0	90,5	-	51,8	30	Ø80	364,0
EVMG/145 7-0F5/30	2410200004I	40	30		-	181,0	176,0	170,0	160,0	129,0	108,0	-	51,8	30	Ø80	364,0
EVMG/145 8-2F5/30	2410201204I	40	30		-	194,0	187,0	180,0	168,0	131,0	106,0	-	51,8	30	Ø80	375,0
EVMG/145 8-0F5/30	2410201004I	40	30		-	207,0	201,0	194,0	183,0	148,0	124,0	-	51,8	30	Ø80	375,0
EVMG/145 9-2F5/30	2410202204I	40	30		-	219,0	212,0	204,0	191,0	150,0	122,0	-	51,8	30	Ø80	379,0
EVMG/145 9-0F5/37	2410250004I	50	37		-	233,0	226,0	219,0	206,0	166,0	140,0	-	62,5	36	Ø80	400,0
EVMG/145 10-2F5/37	2410250204I	50	37		-	245,0	237,0	229,0	214,0	168,0	138,0	-	62,5	36	Ø80	404,0
EVMG/145 10-0F5/37	2410251004I	50	37		-	259,0	251,0	243,0	229,0	185,0	156,0	-	62,5	36	Ø80	404,0

"F" version = round counterflanges (as accessories, see page 388)

EVMG 32-45-64 pumps house the mechanical seal with cartridge as per standard

"K2 SCA" version available: tropicalized motor with drain plug with a price increase of 20% on the price list.

EVMG 64

Vertical multistage pumps in cast iron



Three phase 230/400/690V 2 Poles

Model	Code	HP	kW	Q=Flow rate								Abs. Curr.			DNA DNM	Weight [kg]
				l/min	500	600	700	900	1000	1200	1400	[A]				
				m ³ /h	30	36	42	54	60	72	84	230V	400V	690V		
				H=Total head [m]												
EVMG/I64 1-1F5/4,0	2460120104I	5,5	4		21	20,4	19,7	17,5	15,9	11,4	-	12,1	7	-	Ø100	92,0
EVMG/I64 1-0F5/5,5	2460130004I	7,5	5,5		26,6	26,1	25,4	23,7	22,3	18,5	13,5	-	10	5,8	Ø100	114,0
EVMG/I64 2-2F5/7,5	2460140204I	10	7,5		42,5	41,5	40,5	36,5	33,5	25,3	-	-	13,5	7,8	Ø100	120,0
EVMG/I64 2-1F5/11	2460160104I	15	11		48	47	46	42,5	40	32,4	23	-	19,5	11,2	Ø100	154,0
EVMG/I64 2-0F5/11	2460160004I	15	11		53,5	53	52	49	46,5	39,5	30,6	-	19,5	11,2	Ø100	154,0
EVMG/I64 3-3F5/15	2460170304I	20	15		64	62,5	61	55,5	51	39,3	-	-	26,7	15,4	Ø100	186,0
EVMG/I64 3-2F5/15	2460170204I	20	15		69,5	68	66,5	61,5	57,5	46,5	32,5	-	26,7	15,4	Ø100	186,0
EVMG/I64 3-1F5/15	2460170104I	20	15		75	74	72,5	68	64	53,5	40	-	26,7	15,4	Ø100	186,0
EVMG/I64 3-0F5/18,5	2460180004I	25	18,5		80,5	79,5	78	74	70,5	60,5	47,5	-	35,3	20,4	Ø100	201,0
EVMG/I64 4-3F5/18,5	2460180304I	25	18,5		91	89	87	80,5	75,5	60,5	42	-	35,3	20,4	Ø100	209,0
EVMG/I64 4-2F5/18,5	2460180204I	25	18,5		96,5	95	93	87	81,5	67,5	49,5	-	35,3	20,4	Ø100	209,0
EVMG/I64 4-1F5/22	2460190104I	30	22		102	101	98,5	93	88	74,5	57	-	38	22	Ø100	275,0
EVMG/I64 4-0F5/22	2460190004I	30	22		108	106	104	99	94,5	81,5	64,5	-	38	22	Ø100	275,0
EVMG/I64 5-3F5/30	2460200304I	40	30		118	116	114	106	99,5	81,5	59	-	51,8	30	Ø100	354,0
EVMG/I64 5-2F5/30	2460200204I	40	30		124	122	119	112	106	88,5	66,5	-	51,8	30	Ø100	354,0
EVMG/I64 5-1F5/30	2460200104I	40	30		129	127	125	118	112	95,5	74	-	51,8	30	Ø100	354,0
EVMG/I64 5-0F5/30	2460201004I	40	30		135	133	131	124	119	103	81,5	-	51,8	30	Ø100	354,0
EVMG/I64 6-3F5/30	2460201304I	40	30		145	143	140	131	124	103	76	-	51,8	30	Ø100	362,0
EVMG/I64 6-2F5/30	2460201204I	40	30		151	148	146	137	130	110	83,5	-	51,8	30	Ø100	362,0
EVMG/I64 6-1F5/37	2460250104I	50	37		156	154	151	143	136	117	91	-	62,5	36	Ø100	376,0
EVMG/I64 6-0F5/37	2460250004I	50	37		162	160	157	149	143	124	99	-	62,5	36	Ø100	376,0
EVMG/I64 7-3F5/37	2460251304I	50	37		172	169	166	156	148	124	93	-	62,5	36	Ø100	378,0
EVMG/I64 7-2F5/37	2460251204I	50	37		178	175	172	162	154	131	101	-	62,5	36	Ø100	378,0
EVMG/I64 7-1F5/37	2460251104I	50	37		183	181	178	168	161	138	108	-	62,5	36	Ø100	378,0

"F" version = round counterflanges (as accessories, see page 388)

EVMG 32-45-64 pumps house the mechanical seal with cartridge as per standard

"K2 SCA" version available: tropicalized motor with drain plug with a price increase of 20% on the price list.

EVM(G)

EVM 32 - 45

Vertical multistage pumps in AISI 304



EVM(G)

Three phase 230/400/690V													2 Poles			
Model	Code	HP	kW	Q=Flow rate								Abs. Curr.			DNA DNM	Weight [kg]
				l/min	200	350	500	600	700	900	1000	[A]				
				m³/h	12	21	30	36	42	54	60	230V	400V	690V		
H=Total head [m]																
EVM/132 1-0F5/2,2	2361100004I	3	2,2		21,7	19,6	16,4	13,2	9,7	-	-	8	4,6	-	Ø65	77,0
EVM/132 2-2F5/3,0	2361110204I	4	3		36,9	31,6	23,5	17,4	-	-	-	9,7	5,6	-	Ø65	86,0
EVM/132 2-0F5/4,0	2361120004I	5,5	4		43,5	39,2	32,8	26,5	19,4	-	-	12,1	7	-	Ø65	90,0
EVM/132 3-3F5/5,5	2361130304I	7,5	5,5		55,5	47,5	35,2	26,1	-	-	-	-	10	5,8	Ø65	118,0
EVM/132 3-1F5/5,5	2361130004I	7,5	5,5		62,0	55,0	44,5	35,2	24,5	-	-	-	10	5,8	Ø65	118,0
EVM/132 4-3F5/7,5	2361140304I	10	7,5		77,0	67,0	51,5	39,4	-	-	-	-	13,5	7,8	Ø65	123,0
EVM/132 4-1F5/7,5	2361140004I	10	7,5		83,5	74,5	61,0	48,5	34,2	-	-	-	13,5	7,8	Ø65	123,0
EVM/132 5-3F5/11	2361160304I	15	11		100,0	89,0	70,0	54,0	37,3	-	-	-	19,5	11,2	Ø65	165,0
EVM/132 5-0F5/11	2361160004I	15	11		110,0	100,0	84,0	67,0	49,0	-	-	-	19,5	11,2	Ø65	165,0
EVM/132 6-3F5/11	2361161304I	15	11		122,0	109,0	87,0	67,5	47,0	-	-	-	19,5	11,2	Ø65	168,0
EVM/132 6-2F5/11	2361161004I	15	11		125,0	113,0	91,5	71,5	51,0	-	-	-	19,5	11,2	Ø65	168,0
EVM/132 7-3F5/15	2361170304I	20	15		144,0	129,0	104,0	81,0	57,0	-	-	-	26,7	15,4	Ø65	198,0
EVM/132 7-0F5/15	2361170004I	20	15		154,0	141,0	118,0	94,0	69,0	-	-	-	26,7	15,4	Ø65	198,0
EVM/132 8-3F5/15	2361171304I	20	15		166,0	150,0	121,0	94,0	67,0	-	-	-	26,7	15,4	Ø65	204,0
EVM/132 8-2F5/15	2361172004I	20	15		172,0	157,0	130,0	103,0	75,0	-	-	-	26,7	15,4	Ø65	204,0
EVM/132 9-3F5/18,5	2361180304I	25	18,5		188,0	170,0	137,0	108,0	76,5	-	-	-	35,3	20,4	Ø65	222,0
EVM/132 9-0F5/18,5	2361180004I	25	18,5		197,0	181,0	152,0	121,0	88,5	-	-	-	35,3	20,4	Ø65	222,0
EVM/132 10-3F5/18,5	2361181304I	25	18,5		210,0	190,0	154,0	121,0	86,5	-	-	-	35,3	20,4	Ø65	226,0
EVM/132 10-2F5/18,5	2361181104I	25	18,5		213,0	193,0	159,0	125,0	90,5	-	-	-	35,3	20,4	Ø65	226,0
EVM/132 11-3F5/22	2361190304I	30	22		232,0	210,0	171,0	134,0	96,5	-	-	-	38	22	Ø65	289,0
EVM/132 11-0F5/22	2361190004I	30	22		241,0	221,0	185,0	147,0	108,0	-	-	-	38	22	Ø65	289,0
EVM/132 12-3F5/22	2361191304I	30	22		254,0	230,0	188,0	148,0	106,0	-	-	-	38	22	Ø65	296,0
EVM/132 13-3F5/30	2361200304I	40	30		276,0	250,0	205,0	161,0	116,0	-	-	-	51,8	30	Ø65	371,0
EVM/132 13-0F5/30	2361200004I	40	30		285,0	261,0	219,0	174,0	128,0	-	-	-	51,8	30	Ø65	371,0
EVM/132 14-3F5/30	2361201304I	40	30		298,0	270,0	222,0	175,0	126,0	-	-	-	51,8	30	Ø65	375,0
EVM/132 14-0F5/30	2361201004I	40	30		307,0	281,0	236,0	188,0	138,0	-	-	-	51,8	30	Ø65	375,0
EVM/145 1-1F5/3,0	2411100104I	4	3		-	18,9	17,6	16,3	14,3	8,3	-	9,7	5,6	-	Ø80	99,0
EVM/145 1-0F5/4,0	2411120004I	5,5	4		-	25,6	24,6	23,5	21,8	16,7	13,3	12,1	7	-	Ø80	105,0
EVM/145 2-2F5/5,5	2411130204I	7,5	5,5		-	38,1	35,8	33,4	29,8	18,6	-	-	10	5,8	Ø80	125,0
EVM/145 2-0F5/7,5	2411140004I	10	7,5		-	51,5	50,0	48,0	45,0	35,4	29,1	-	13,5	7,8	Ø80	127,0
EVM/145 3-2F5/11	2411160204I	15	11		-	64,0	61,0	58,0	53,0	37,3	-	-	19,5	11,2	Ø80	168,0
EVM/145 3-0F5/11	2411160004I	15	11		-	77,5	75,0	72,5	68,0	54,0	45,0	-	19,5	11,2	Ø80	168,0
EVM/145 4-2F5/15	2411170204I	20	15		-	90,0	86,0	82,0	76,0	56,0	43,0	-	26,7	15,4	Ø80	204,0
EVM/145 4-0F5/15	2411170004I	20	15		-	103,0	100,0	96,5	91,0	73,0	60,5	-	26,7	15,4	Ø80	204,0
EVM/145 5-2F5/18,5	2411180204I	25	18,5		-	116,0	111,0	107,0	99,0	74,5	58,5	-	35,3	20,4	Ø80	242,0
EVM/145 5-0F5/18,5	2411180004I	25	18,5		-	129,0	125,0	121,0	114,0	91,5	76,5	-	35,3	20,4	Ø80	242,0
EVM/145 6-2F5/22	2411190204I	30	22		-	142,0	137,0	131,0	122,0	93,5	74,5	-	38	22	Ø80	306,0
EVM/145 6-0F5/22	2411190004I	30	22		-	155,0	151,0	146,0	137,0	110,0	92,5	-	38	22	Ø80	306,0
EVM/145 7-2F5/30	2411200204I	40	30		-	168,0	162,0	155,0	145,0	112,0	90,5	-	51,8	30	Ø80	377,0
EVM/145 7-0F5/30	2411200004I	40	30		-	181,0	176,0	170,0	160,0	129,0	108,0	-	51,8	30	Ø80	377,0
EVM/145 8-2F5/30	2411201204I	40	30		-	194,0	187,0	180,0	168,0	131,0	106,0	-	51,8	30	Ø80	388,0
EVM/145 8-0F5/30	2411201004I	40	30		-	207,0	201,0	194,0	183,0	148,0	124,0	-	51,8	30	Ø80	388,0
EVM/145 9-2F5/30	2411202204I	40	30		-	219,0	212,0	204,0	191,0	150,0	122,0	-	51,8	30	Ø80	393,0
EVM/145 9-0F5/37	2411250004I	50	37		-	233,0	226,0	219,0	206,0	166,0	140,0	-	62,5	36	Ø80	414,0
EVM/145 10-2F5/37	2411250204I	50	37		-	245,0	237,0	229,0	214,0	168,0	138,0	-	62,5	36	Ø80	419,0
EVM/145 10-0F5/37	2411251004I	50	37		-	259,0	251,0	243,0	229,0	185,0	156,0	-	62,5	36	Ø80	419,0

"F" version = round counterflanges (as accessories, see page 388)

EVM 32-45-64 pumps house the mechanical seal with cartridge as per standard

"K2 SCA" version available: tropicalized motor with drain plug with a price increase of 20% on the price list.

EVM 64

Vertical multistage pumps in AISI 304



Three phase 230/400/690V 2 Poles

Model	Code	HP	kW	Q=Flow rate								Abs. Curr.			DNA DNM	Weight [kg]
				l/min	500	600	700	900	1000	1200	1400	[A]				
				m³/h	30	36	42	54	60	72	84	230V	400V	690V		
H=Total head [m]																
EVM/64 1-1F5/4,0	2461120104I	5,5	4		21	20,4	19,7	17,5	15,9	11,4	-	12,1	7	-	Ø100	99,0
EVM/64 1-0F5/5,5	2461130004I	7,5	5,5		26,6	26,1	25,4	23,7	22,3	18,5	13,5	-	10	5,8	Ø100	105,0
EVM/64 2-2F5/7,5	2461140204I	10	7,5		42,5	41,5	40,5	36,5	33,5	25,3	-	-	13,5	7,8	Ø100	125,0
EVM/64 2-1F5/11	2461160104I	15	11		48	47	46	42,5	40	32,4	23	-	19,5	11,2	Ø100	127,0
EVM/64 2-0F5/11	2461160004I	15	11		53,5	53	52	49	46,5	39,5	30,6	-	19,5	11,2	Ø100	168,0
EVM/64 3-3F5/15	2461170304I	20	15		64	62,5	61	55,5	51	39,3	-	-	26,7	15,4	Ø100	168,0
EVM/64 3-2F5/15	2461170204I	20	15		69,5	68	66,5	61,5	57,5	46,5	32,5	-	26,7	15,4	Ø100	204,0
EVM/64 3-1F5/15	2461170104I	20	15		75	74	72,5	68	64	53,5	40	-	26,7	15,4	Ø100	204,0
EVM/64 3-0F5/18,5	2461180004I	25	18,5		80,5	79,5	78	74	70,5	60,5	47,5	-	35,3	20,4	Ø100	242,0
EVM/64 4-3F5/18,5	2461180304I	25	18,5		91	89	87	80,5	75,5	60,5	42	-	35,3	20,4	Ø100	242,0
EVM/64 4-2F5/18,5	2461180204I	25	18,5		96,5	95	93	87	81,5	67,5	49,5	-	35,3	20,4	Ø100	306,0
EVM/64 4-1F5/22	2461190104I	30	22		102	101	98,5	93	88	74,5	57	-	38	22	Ø100	306,0
EVM/64 4-0F5/22	2461190004I	30	22		108	106	104	99	94,5	81,5	64,5	-	38	22	Ø100	377,0
EVM/64 5-3F5/30	2461200304I	40	30		118	116	114	106	99,5	81,5	59	-	51,8	30	Ø100	377,0
EVM/64 5-2F5/30	2461200204I	40	30		124	122	119	112	106	88,5	66,5	-	51,8	30	Ø100	388,0
EVM/64 5-1F5/30	2461200104I	40	30		129	127	125	118	112	95,5	74	-	51,8	30	Ø100	388,0
EVM/64 5-0F5/30	2461201004I	40	30		135	133	131	124	119	103	81,5	-	51,8	30	Ø100	393,0
EVM/64 6-3F5/30	2461201304I	40	30		145	143	140	131	124	103	76	-	51,8	30	Ø100	414,0
EVM/64 6-2F5/30	2461201204I	40	30		151	148	146	137	130	110	83,5	-	51,8	30	Ø100	419,0
EVM/64 6-1F5/37	2461250104I	50	37		156	154	151	143	136	117	91	-	62,5	36	Ø100	419,0
EVM/64 6-0F5/37	2461250004I	50	37		162	160	157	149	143	124	99	-	62,5	36	Ø100	376,0
EVM/64 7-3F5/37	2461251304I	50	37		172	169	166	156	148	124	93	-	62,5	36	Ø100	378,0
EVM/64 7-2F5/37	2461251204I	50	37		178	175	172	162	154	131	101	-	62,5	36	Ø100	378,0
EVM/64 7-1F5/37	2461251104I	50	37		183	181	178	168	161	138	108	-	62,5	36	Ø100	378,0

"F" version = round counterflanges (as accessories, see page 388)

EVM 32-45-64 pumps house the mechanical seal with cartridge as per standard

"K2 SCA" version available: tropicalized motor with drain plug with a price increase of 20% on the price list.

EVM(G)

EVM(S)G with E-drive



Electric vertical multistage pumps in cast iron

Vertical multistage centrifugal pumps complete with inverter. Reliable, these pumps combine the features of a standard EVM(S)G and all advantages of an E-drive system. Energy saving and high performances are his strengths points; the possibility to use different set points provide makes them even more suitable for increasing pressure in general, pressure boosting system, irrigation, washing systems and handling clean water.



Easy maintenance



High efficiency



Practical and easy to use

Technical data

Max. working pressure	16 bar for oval flanged version (N) 25 bar for the rest of the range
------------------------------	---

Max. temperature of the liquid	-30°C ÷ 140°C
---------------------------------------	---------------

MEI	> 0,7
------------	-------

Poles	2
--------------	---

Insulation class	F (temperature rise class B)
-------------------------	------------------------------

Protection degree	IP55
--------------------------	------

Voltage	Inverter single phase 230V Inverter three phase 400V
----------------	---

Materials

Pump body	Cast iron
Impeller	AISI 304
Shaft	AISI 304
Mechanical seal	Q ₁ BEG - Unbalanced SiC/Carbon EPDM HQ ₁ BEG - Balanced SiC/Carbon EPDM HQ ₉ Q ₁ EG - Balanced SiC/SiC EPDM Q ₁ BVG - Unbalanced SiC/Carbon FPM HQ ₁ BVG - Balanced SiC/Carbon FPM HQ ₉ Q ₁ VG - Balanced SiC/SiC FPM
Motor support	Cast iron

Accessories



Counterflanges kit

Page 388 - Galvanized, AISI 304 and AISI 316 counterflanges kit

EVM(S)G with E-drive



Vertical multistage pumps in cast iron

Single phase 230V*												2 Poles		
Model	Code	HP	kW	Q=Flow rate								Abs. Curr. [A]** 230V	DNA DNM	Weight [kg]
				l/min	20	30	40	60	75	100	130			
				m³/h	1,2	1,8	2,4	3,6	4,5	6,0	7,8			
H=Total head [m]														
EVMG3 8N5/0,75 ETM EDM	1547501601	1	0,75		56,5	54,5	51,5	44	33,4	-	-	15	G1	29,5
EVMG3 9N5/1,1 ETM EDM	1547501602	1,5	1,1		63,5	61	58	49	37,6	-	-	15	G1	31,5
EVMG5 6N5/1,5 ETM EDM	1547501603	2	1,5		-	-	54	51	48	41,5	30,6	15	G1¼	33,5
EVMG5 7N5/1,5 ETM EDM	1547501604	2	1,5		-	-	63	59,5	56	48,5	35,7	15	G1¼	34,0

* Inverter single phase 230V main supply with 230V three phase pump

** Max. absorbed current from the inverter

Three phase 400V												2 Poles		
Model	Code	HP	kW	Q=Flow rate								Abs. Curr. [A]** 400V	DNA DNM	Weight [kg]
				l/min	40	60	75	100	130	150	200			
				m³/h	2,4	3,6	4,5	6,0	7,8	9,0	12,0			
H=Total head [m]														
EVMG5 6N5/1,5 ETM EDT	1547501605	2	1,5		54	51	48	41,5	30,6	-	-	10,0	G1¼	34,0
EVMG5 7N5/1,5 ETM EDT	1547501606	2	1,5		63	59,5	56	48,5	35,7	-	-	10,0	G1¼	34,5
EVMG10 5N5/2,2 ETM EDT	1547501607	3	2,2		-	53	52	49,3	46,7	41,5	37,3	10,0	G1½	44,7
EVMG10 6N5/2,2 ETM EDT	1547501608	3	2,2		-	63,5	62,5	59	56	50	45	10,0	G1½	45,5
EVMG10 7N5/3 ETM EDT	1547501609	4	3		-	74	73	69	65,5	58	52	13,5	G1½	53,3

** Max. absorbed current from the inverter

Three phase 400V												2 Poles				
Model	Code	HP	kW	Q=Flow rate										Abs. Curr. [A]** 400V	DNA DNM	Weight [kg]
				l/min	200	350	500	600	700	900	1000	1200	1400			
				m³/h	12	21	30	36	42	54	60	72	84			
H=Total head [m]																
EVMG/132 1-0F5/2,2 EDT	1547501046I	3	2,2		21,7	19,6	16,4	13,2	9,7	-	-	-	-	10	Ø65	76,5
EVMG/132 2-0F5/4,0 EDT	1547501047I	5,5	4		43,5	39,2	32,8	26,5	19,4	-	-	-	-	13,5	Ø65	89,0
EVMG/132 3-1F5/5,5 EDT	1547501048I	7,5	5,5		62,0	55,0	44,5	35,2	24,5	-	-	-	-	16	Ø65	119,6
EVMG/132 4-1F5/7,5 EDT	1547501049I	10	7,5		83,5	74,5	61,0	48,5	34,2	-	-	-	-	21,0	Ø65	126,4
EVMG/132 5-0F5/11 EDT	1547501050I	15	11		110,0	100,0	84,0	67,0	49,0	-	-	-	-	31,0	Ø65	176,3
EVMG/132 6-2F5/11 EDT	1547501051I	15	11		125,0	113,0	91,5	71,5	51,0	-	-	-	-	31,0	Ø65	179,3
EVMG/145 1-1F5/3 EDT	1547501052I	4	3		-	18,9	17,6	16,3	14,3	8,3	-	-	-	13,5	Ø80	98,3
EVMG/145 1-0F5/4 EDT	1547501053I	5,5	4		-	25,6	24,6	23,5	21,8	16,7	13,3	-	-	13,5	Ø80	104,0
EVMG/145 2-2F5/5,5 EDT	1547501054I	7,5	5,5		-	38,1	35,8	33,4	29,8	18,6	-	-	-	16	Ø80	126,6
EVMG/145 2-0F5/7,5 EDT	1547501055I	10	7,5		-	51,5	50,0	48,0	45,0	35,4	29,1	-	-	21,0	Ø80	130,4
EVMG/145 3-0F5/11 EDT	1547501056I	15	11		-	77,5	75,0	72,5	68,0	54,0	45,0	-	-	31	Ø80	179,3
EVMG/164 1-1F5/4 EDT	1547501057I	5,5	4		-	-	21	20,4	19,7	17,5	15,9	11,4	-	13,5	Ø100	101,4
EVMG/164 1-0F5/5,5 EDT	1547501058I	7,5	5,5		-	-	26,6	26,1	25,4	23,7	22,3	18,5	13,5	16	Ø100	122,6
EVMG/164 2-2F5/7,5 EDT	1547501059I	10	7,5		-	-	42,5	41,5	40,5	36,5	33,5	25,3	-	21	Ø100	130,8
EVMG/164 2-0F5/11 EDT	1547501060I	15	11		-	-	53,5	53	52	49	46,5	39,5	30,6	31	Ø100	173,8

** Max. absorbed current from the inverter

EVM(S)G WITH E-drive

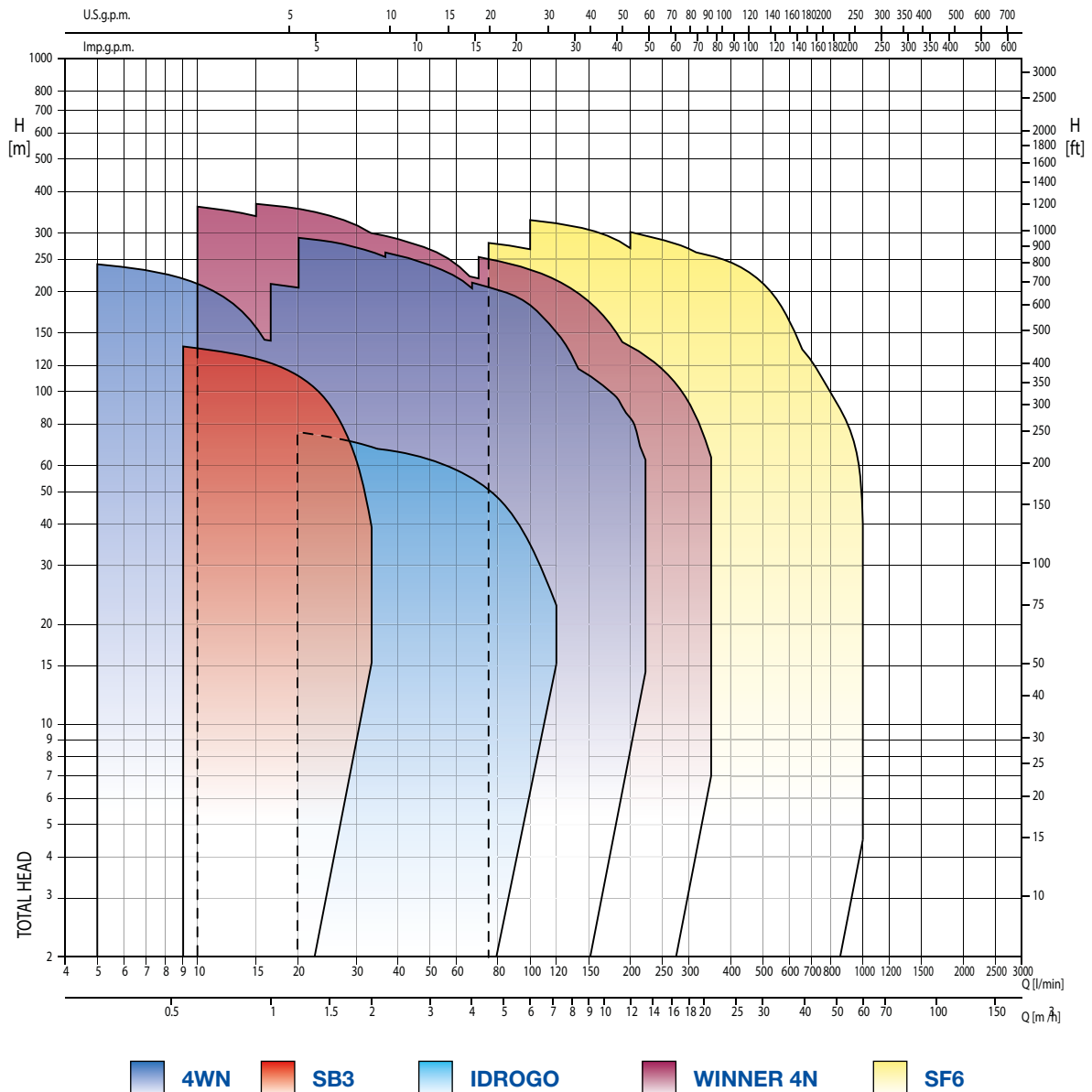
Borehole pumps

Model	External casing	Impeller material	Well size
IDROGO	AISI 304	PPE + PS	5"
SB3	AISI 304	Technopolymer	3"
WINNER 4N	AISI 304	Technopolymer/Ixef®	4"
4WN	AISI 304	PPO reinforced with fibreglass	4"
4BHS	AISI 304	AISI 304	4"
SF6	AISI 304	Technopolymer	6"
6BHE(L)	AISI 304 ¹	AISI 304/316 ¹	6"
8BHE(L)	AISI 304 ¹	AISI 304/316 ¹	8"

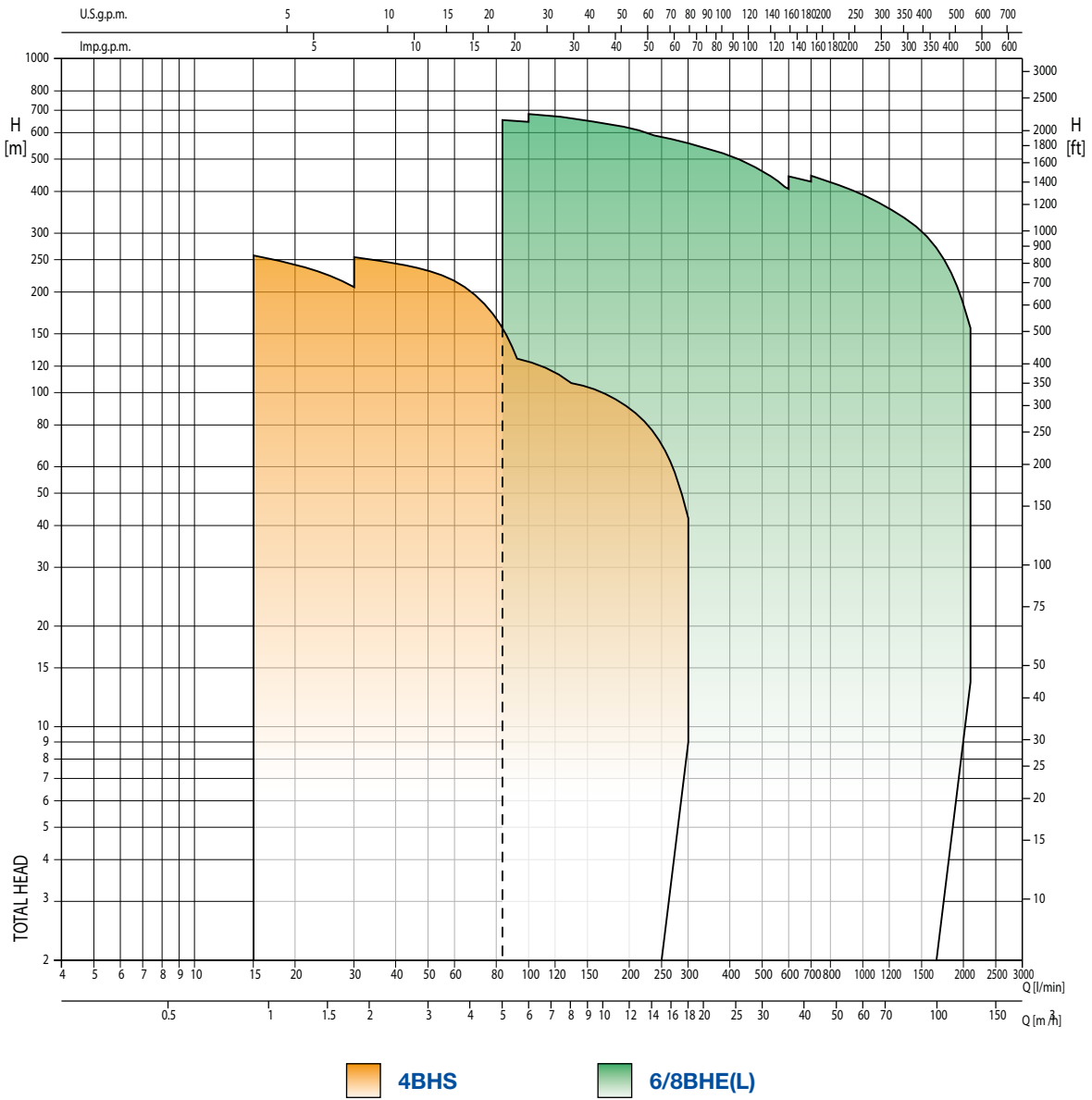
PPE+PS= Technopolymer reinforced with fibreglass

¹AISI 316 for BHEL

PPE/TECHNOPOLYMER



AISI 304/316



Borehole pumps

Introduction to application of borehole pumps

A different water quality (quantity of sand, PH, TH,...) need a different pump solution. We designed and realized a complete borehole range to give the right solution for every application.

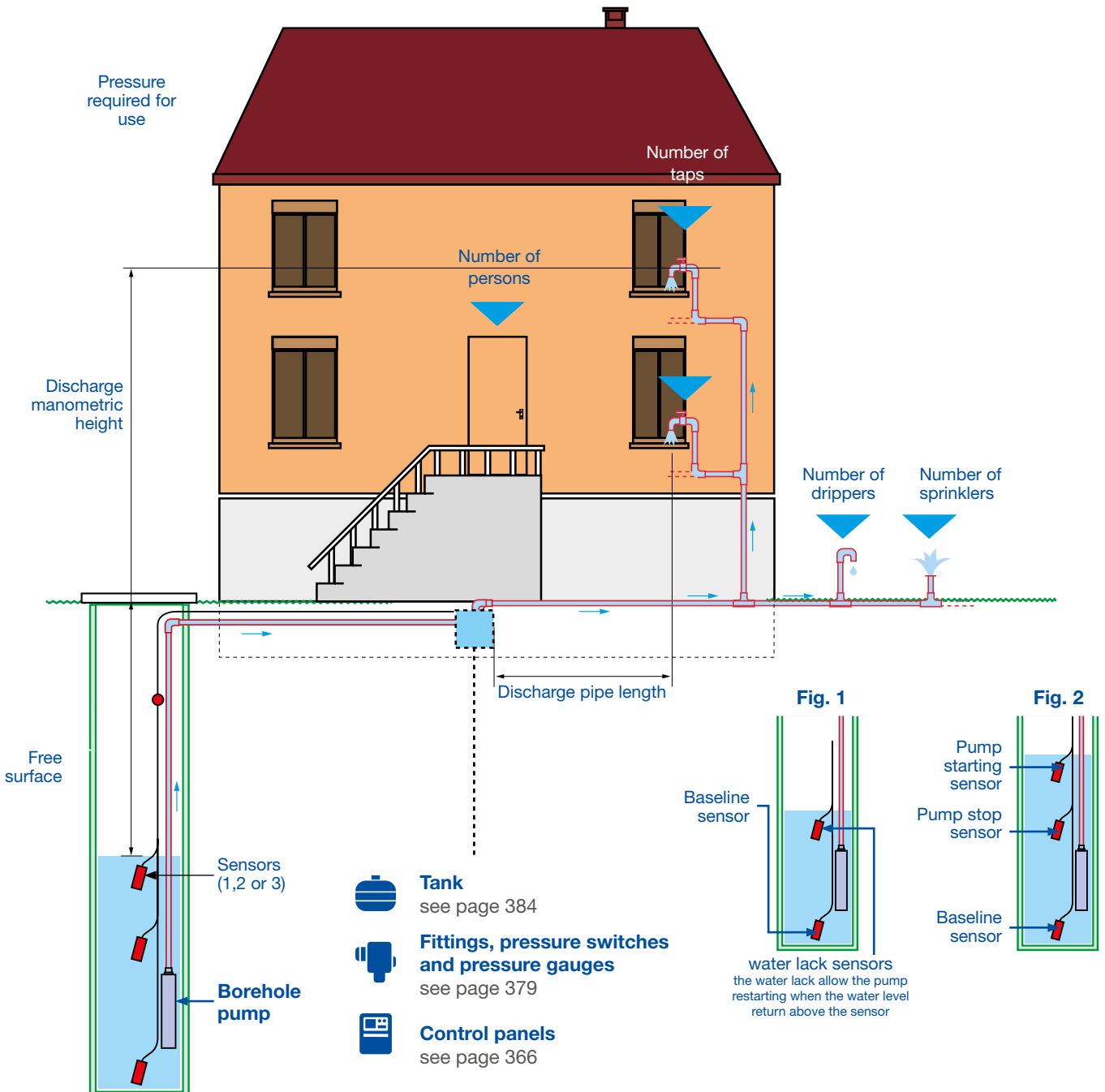
Protection: Cos ϕ 1, 2, 3 sensors

Thermal protection

Our control panel ensure a right thermal protection

Protection against lack of water

- Manhole or perforation with return of ground water notable (high flow rate)
 - 1 or 2 temporized sensors (see Fig.1)
 - Cos ϕ stop the pumps when the water level is achieved and control the water presence with a temporized control.
- Manhole with return of ground water insufficient
 - 3 sensors can verify, for each start, if water level is achieve (see Fig.2).



	SB3 3" borehole centrifugal pumps (hydraulic only)	152
	WINNER 4N 4" borehole centrifugal pumps	154
	4WN 4" borehole centrifugal pumps	164
	4BHS 4" borehole centrifugal pumps completely in AISI 304 stainless steel	177
	IDROGO 5" borehole or open-well pumps	181
	SF6 6" borehole centrifugal pumps completely in AISI 304 (hydraulic only)	184
	6BHE(L) 6" borehole centrifugal pumps in AISI 304 and AISI 316 stainless steel (hydraulic only)	188
	8BHE(L) 8" borehole centrifugal pumps in AISI 304 and AISI 316 stainless steel (hydraulic only)	206
	MOTORS 3"-4"-6"-8" borehole motors	212
	CABLES DIMENSIONING	222

SB3



3" borehole centrifugal pumps (hydraulic only)

3" borehole pumps for deep wells particularly suitable for water supply systems on housing, irrigation field and industrial applications.



Low noise



Practical and easy to use



Suitable for horizontal operation

Technical data

Max. immersion 60 m

Max. temperature of the liquid 30°C

Max. sand content 50 ppm

Poles 2

Insulation class F

Protection degree IP 58

Voltage Single phase 230V $\pm 6-10\%$
Three phase 400V $\pm 6-10\%$

Materials

External casing	AISI 304
Impeller	PPO reinforced with fibreglass
Shaft	AISI 430F
Discharge casing	AISI 304
Motor connection	AISI 304

Accessories



Capacitors

Page 381 - **Capacitors 450V**



Floats

Page 379 - **Key floats with counterweight**



Control panels and Control systems

Page 366 - **Presscomfort**

Pressure regulator

Page 364 - **E-power**

Variable speed control systems

Page 362 - **E-drive**

Variable speed control systems

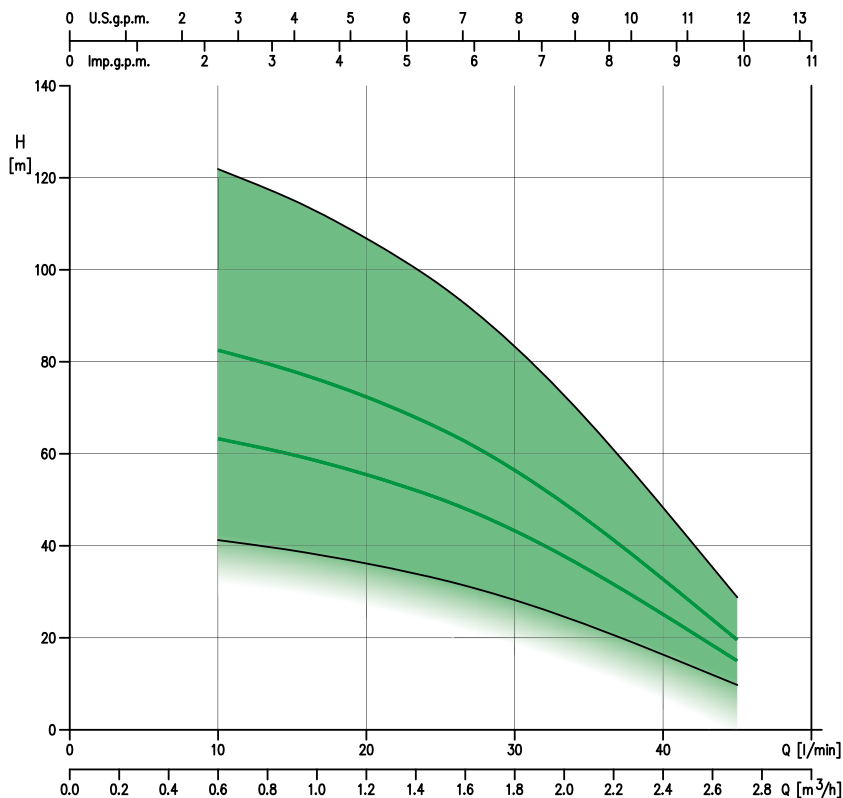
Page 366 - **Control panels**

Q - 1EP-E - QA50/B - QA60/C - SMART

SB3



3" borehole centrifugal pumps (hydraulic only)



Selection table

Model	HP	kW	Q=Flow rate								
			l/min m³/h	10 0,6	15 0,9	20 1,2	25 1,5	30 1,8	35 2,1	40 2,4	45 2,7
			H=Total head [m]								
SB3-15	0,5	0,37		41,5	39,0	36,2	32,7	28,2	22,7	16,5	9,8
SB3-23	0,75	0,55		63,5	60,0	55,5	50,0	43,5	34,7	25,1	15,0
SB3-30	1	0,75		82,5	78,0	72,5	65,5	56,5	45,5	32,7	19,5
SB3-45	1,5	1,1		122,0	115,0	107,0	96,6	83,5	67,0	48,5	28,8

Single phase 230V 2 Poles

Model	Code	HP	kW	Abs. Curr. [A] 230V	DNM	Weight [kg]	Suitable motor for coupling 1~
SB3-15	1540000316A	0,5	0,37	3,75	G1	3,3	1505000200
SB3-23	1540000216A	0,75	0,55	4,5	G1	4,4	1505000100
SB3-30	1540000116A	1	0,75	5,85	G1	5,6	1505000000

Three phase 400V 2 Poles

Model	Code	HP	kW	Abs. Curr. [A] 230V	DNM	Weight [kg]	Suitable motor for coupling 3~
SB3-15	1540000316A	0,5	0,37	2	G1	3,3	1505060100
SB3-23	1540000216A	0,75	0,55	2,1	G1	4,4	1505000104
SB3-30	1540000116A	1	0,75	2,5	G1	5,6	1505000004
SB3-45	1540000416A	1,5	1,1	3,2	G1	7,6	1505000204

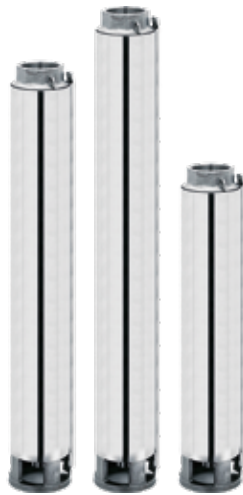
SB3

WINNER 4N



4" borehole centrifugal pumps

Borehole centrifugal pumps with floating impellers suitable for clean water handling, boosters, irrigations field for agriculture, domestic or industrial use. Pumps can work horizontally.



Low noise



Practical and easy to use



Suitable for horizontal operation

Materials

External casing	AISI 304
Impeller	Ixef® for 4N1 - 4N2 - 4N4 - 4N7, PC reinforced with fibreglass for 4N10, 4N15
Shaft	AISI 304
Discharge casing	ASTM CF8
Motor connection	AISI 304

Technical data

Max. immersion	350 m (water filled motor) 150 m (oil filled motor)
Max. temperature of the liquid	40°C (depends on max. motor temperature)
Max. sand content	50 ppm
Poles	2
Insulation class	F (OY), B (WY)
Protection degree	IP 68
Voltage	Single phase 230V ±10% OYM Three phase 380-415V ±10% OY Single phase 230V -10%+6% WYM Three phase 380-415V -10%+6% WY Three phase 400V -10%+6% WY

Accessories



Cables

Page 381 - **Quadripolar cables**



Capacitors

Page 381 - **Capacitors 450V**



Floats

Page 379 - **Key floats with counterweight**



Control panels and Control systems

Page 366 - **Presscomfort**

Pressure regulator

Page 364 - **E-power**

Variable speed control systems

Page 362 - **E-drive**

Variable speed control systems

Page 366 - **Control panels**

Q - 1EP-E - QA50/B - QA60/C - SMART

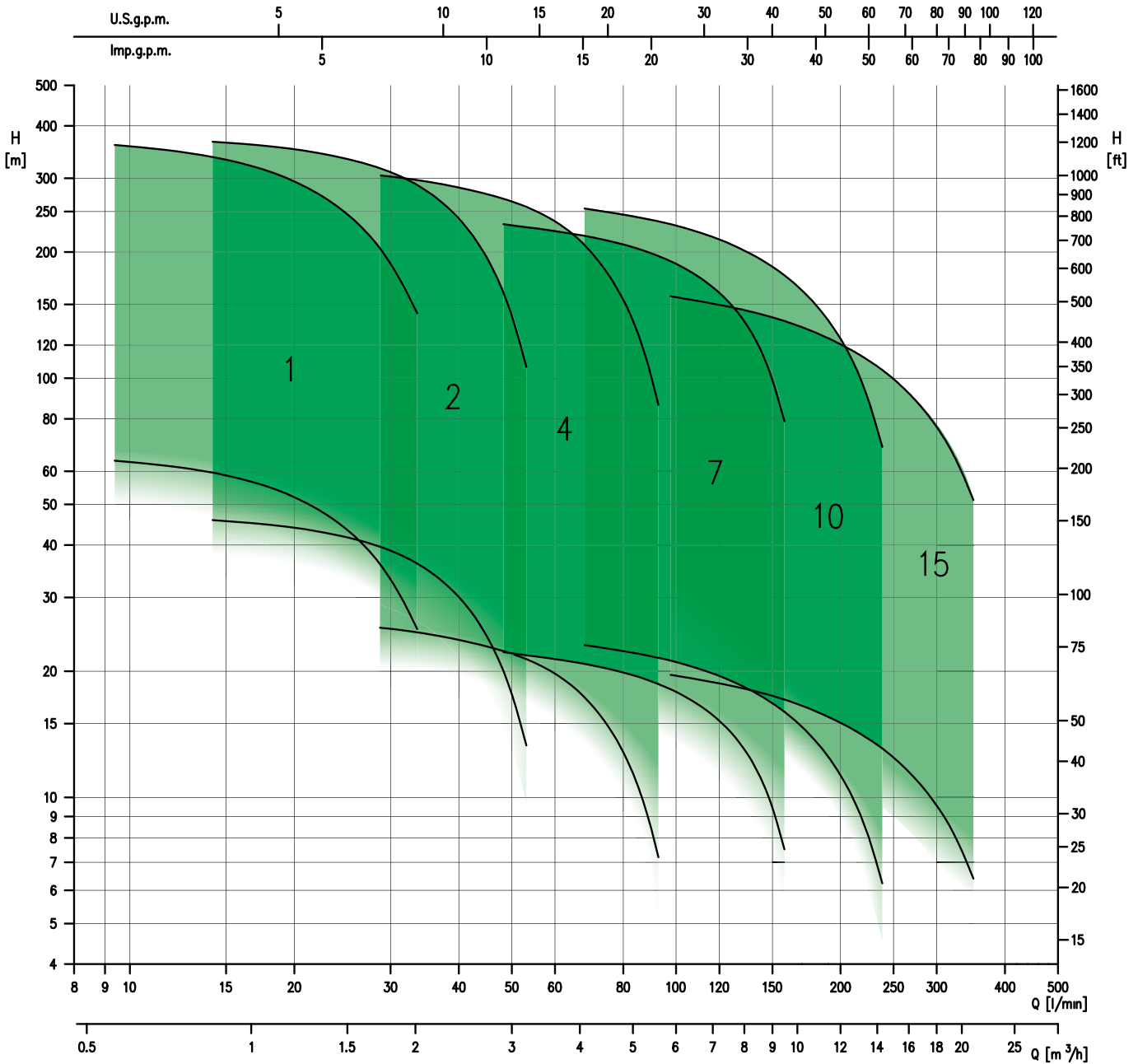


Cooling sleeve

Page 382 - **Cooling sleeve for 4" borehole pumps**

WINNER 4N

4" borehole centrifugal pumps



WINNER 4N

WINNER 4N

4" borehole centrifugal pumps



Selection table

Model	HP	kW	Q=Flow rate										
			l/min	10	15	20	25	30	35	45	55	75	95
			m ³ /h	0,6	0,9	1,2	1,5	1,8	2,1	2,7	3,3	4,5	5,7
H=Total head [m]													
WINNER 4N1A-12	0,5	0,37		63,5	59,5	53,5	45,5	36,0	25,2	-	-	-	-
WINNER 4N1A-18	0,75	0,55		95,5	89,5	80,5	68,5	54,0	37,8	-	-	-	-
WINNER 4N1A-24	1	0,75		127,0	119,0	107,0	91,0	72,0	50,5	-	-	-	-
WINNER 4N1A-34	1,5	1,1		180,0	169,0	152,0	129,0	102,0	71,5	-	-	-	-
WINNER 4N1A-48	2	1,5		254,0	238,0	214,0	182,0	144,0	101,0	-	-	-	-
WINNER 4N1A-68	3	2,2		360,0	337,0	303,0	258,0	204,0	142,0	-	-	-	-
WINNER 4N2A-7	0,5	0,37		-	46,0	44,5	42,5	39,6	36,1	26,2	13,3	-	-
WINNER 4N2A-10	0,75	0,55		-	65,5	63,5	60,5	56,5	51,5	37,5	19,0	-	-
WINNER 4N2A-14	1	0,75		-	91,5	89,0	84,5	79,0	72,0	52,5	26,6	-	-
WINNER 4N2A-20	1,5	1,1		-	131,0	127,0	121,0	113,0	103,0	75,0	38,0	-	-
WINNER 4N2A-28	2	1,5		-	183,0	178,0	169,0	158,0	144,0	105,0	53,0	-	-
WINNER 4N2A-40	3	2,2		-	262,0	254,0	242,0	226,0	206,0	150,0	76,0	-	-
WINNER 4N2A-56	4	3		-	367,0	355,0	338,0	317,0	289,0	210,0	106,0	-	-
WINNER 4N4A-4	0,5	0,37		-	-	-	-	25,4	24,8	23,2	21,4	15,5	7,2
WINNER 4N4A-7	0,75	0,55		-	-	-	-	44,45	43,33	40,6	37,38	27,23	12,6
WINNER 4N4A-9	1	0,75		-	-	-	-	57,0	55,5	52,0	48,0	35,0	16,2
WINNER 4N4A-13	1,5	1,1		-	-	-	-	82,5	80,5	75,5	69,5	50,5	23,4
WINNER 4N4A-18	2	1,5		-	-	-	-	114,0	111,0	104,0	96,0	70,0	32,4
WINNER 4N4A-27	3	2,2		-	-	-	-	171,0	167,0	157,0	144,0	105,0	48,5
WINNER 4N4A-36	4	3		-	-	-	-	229,0	223,0	209,0	192,0	140,0	65,0
WINNER 4N4A-48	5,5	4		-	-	-	-	305,0	297,0	278,0	256,0	187,0	86,5

Selection table

Model	HP	kW	Q=Flow rate										
			l/min	50	70	100	130	160	200	240	280	320	350
			m ³ /h	3	4,2	6	7,8	9,6	12	14,4	16,8	19,2	21
H=Total head [m]													
WINNER 4N7A-4	0,75	0,55		22,2	20,8	18,1	14,0	7,5	-	-	-	-	-
WINNER 4N7A-6	1	0,75		33,3	31,2	27,1	21,0	11,3	-	-	-	-	-
WINNER 4N7A-8	1,5	1,1		44,5	41,5	36,2	28,0	15,0	-	-	-	-	-
WINNER 4N7A-12	2	1,5		66,5	62,5	54,5	42,0	22,6	-	-	-	-	-
WINNER 4N7A-17	3	2,2		94,5	88,5	77,0	59,5	32,0	-	-	-	-	-
WINNER 4N7A-23	4	3		128,0	120,0	104,0	80,5	43,5	-	-	-	-	-
WINNER 4N7A-30	5,5	4		166,0	156,0	136,0	105,0	56,5	-	-	-	-	-
WINNER 4N7A-42	7,5	5,5		233,0	219,0	190,0	147,0	79,0	-	-	-	-	-
WINNER 4N10-4	1	0,75		-	23,1	21,2	18,8	16,0	11,5	6,2	-	-	-
WINNER 4N10-6	1,5	1,1		-	34,6	31,8	28,2	24,0	17,3	9,4	-	-	-
WINNER 4N10-8	2	1,5		-	46,2	42,5	37,7	32,0	23,1	12,5	-	-	-
WINNER 4N10-13	3	2,2		-	75,0	69,0	61,0	52,0	37,5	20,3	-	-	-
WINNER 4N10-17	4	3		-	98,0	90,0	80,0	68,0	49,0	26,5	-	-	-
WINNER 4N10-23	5,5	4		-	133,0	122,0	108,0	92,0	66,5	35,8	-	-	-
WINNER 4N10-32	7,5	5,5		-	185,0	170,0	151,0	128,0	92,0	50,0	-	-	-
WINNER 4N10-44	10	7,5		-	254,0	233,0	207,0	176,0	127	68,5	-	-	-
WINNER 4N15-4	1,5	1,1		-	-	23,5	22,4	21,0	18,9	16,3	13,3	9,8	7,0
WINNER 4N15-6	2	1,5		-	-	35,3	33,6	31,5	28,3	24,4	19,9	14,7	10,5
WINNER 4N15-8	3	2,2		-	-	47,0	45,0	42,0	37,7	32,5	26,5	19,6	14,0
WINNER 4N15-11	4	3		-	-	67,5	65,0	61,5	56,0	49,5	41,9	33,2	25,9
WINNER 4N15-14	5,5	4		-	-	86,0	82,5	78,0	71,5	63,0	53,5	42,0	33,0
WINNER 4N15-20	7,5	5,5		-	-	123,0	118,0	112,0	102,0	90,0	76,0	60,5	47,0
WINNER 4N15-27	10	7,5		-	-	166,0	159,0	151,0	137,0	121,0	103,0	81,5	63,5

WINNER 4N - only hydraulic

4" borehole centrifugal pumps (hydraulic only)



Hydraulic only						2 Poles			
Model	Code	HP	kW	DNM	Weight [kg]	Suitable motor for coupling			
						Oil filled OY		Water filled WY	
						1~	3~	1~	3~
WINNER 4N1A-12	3551000012A	0,5	0,37	G1¼	3,7	1509050000	1509030004	1505050000	1505050004
WINNER 4N1A-18	3551000018A	0,75	0,55	G1¼	4,8	1509070000	1509070004	1505090000	1505090004
WINNER 4N1A-24	3551000024A	1	0,75	G1¼	5,9	1509100000	1509100004	1505100000	1505100004
WINNER 4N1A-34	3551000034A	1,5	1,1	G1¼	8,0	1509110000	1509150004	1505150000	1505150004
WINNER 4N1A-48	3551000048A	2	1,5	G1¼	11,8	1509150000	1509200004	1505200000	1505200004
WINNER 4N1A-68	3551000068A	3	2,2	G1¼	15,0	1509220100	1509300004	1505300000	1505300004
WINNER 4N2A-7	3552000007A	0,5	0,37	G1¼	3,8	1509050000	1509030004	1505050000	1505050004
WINNER 4N2A-10	3552000010A	0,75	0,55	G1¼	4,1	1509070000	1509070004	1505090000	1505090004
WINNER 4N2A-14	3552000014A	1	0,75	G1¼	4,4	1509100000	1509100004	1505100000	1505100004
WINNER 4N2A-20	3552000020A	1,5	1,1	G1¼	5,3	1509110000	1509150004	1505150000	1505150004
WINNER 4N2A-28	3552000028A	2	1,5	G1¼	6,7	1509150000	1509200004	1505200000	1505200004
WINNER 4N2A-40	3552000040A	3	2,2	G1¼	10,0	1509220100	1509300004	1505300000	1505300004
WINNER 4N2A-56	3552000056A	4	3	G1¼	13,0	-	1509400004	-	1505400004
WINNER 4N4A-4	3553000004A	0,5	0,37	G1¼	2,4	1509050000	1509030004	1505050000	1505050004
WINNER 4N4A-7	3553000007A	0,75	0,55	G1¼	3,0	1509070000	1509070004	1505090000	1505090004
WINNER 4N4A-9	3553000009A	1	0,75	G1¼	3,4	1509100000	1509100004	1505100000	1505100004
WINNER 4N4A-13	3553000013A	1,5	1,1	G1¼	4,3	1509110000	1509150004	1505150000	1505150004
WINNER 4N4A-18	3553000018A	2	1,5	G1¼	5,4	1509150000	1509200004	1505200000	1505200004
WINNER 4N4A-27	3553000027A	3	2,2	G1¼	7,3	1509220100	1509300004	1505300000	1505300004
WINNER 4N4A-36	3553000036A	4	3	G1¼	11,0	-	1509400004	-	1505400004
WINNER 4N4A-48	3553000048A	5,5	4	G1¼	14,0	-	1509550004	-	1505550004
WINNER 4N7A-4	3557000004A	0,75	0,55	G2	3,0	1509070000	1509070004	1505090000	1505090004
WINNER 4N7A-6	3557000006A	1	0,75	G2	3,5	1509100000	1509100004	1505100000	1505100004
WINNER 4N7A-8	3557000008A	1,5	1,1	G2	4,0	1509110000	1509150004	1505150000	1505150004
WINNER 4N7A-12	3557000012A	2	1,5	G2	5,5	1509150000	1509200004	1505200000	1505200004
WINNER 4N7A-17	3557000017A	3	2,2	G2	7,1	1509220100	1509300004	1505300000	1505300004
WINNER 4N7A-23	3557000023A	4	3	G2	9,0	-	1509400004	-	1505400004
WINNER 4N7A-30	3557000030A	5,5	4	G2	12,8	-	1509550004	-	1505550004
WINNER 4N7A-42	3557000042A	7,5	5,5	G2	16,5	-	1509750004	-	1505750004
WINNER 4N10-4	3571100004	1	0,75	G2	3,3	1509100000	1509100004	1505100000	1505100004
WINNER 4N10-6	3571100006	1,5	1,1	G2	4,1	1509110000	1509150004	1505150000	1505150004
WINNER 4N10-8	3571100008	2	1,5	G2	5,0	1509150000	1509200004	1505200000	1505200004
WINNER 4N10-13	3571100013	3	2,2	G2	7,3	1509220100	1509300004	1505300000	1505300004
WINNER 4N10-17	3571100017	4	3	G2	9,1	-	1509400004	-	1505400004
WINNER 4N10-23	3571100023	5,5	4	G2	11,7	-	1509550004	-	1505550004
WINNER 4N10-32	3571100032	7,5	5,5	G2	17,0	-	1509750004	-	1505750004
WINNER 4N10-44	3571100044	10	7,5	G2	22,7	-	1509100104	-	1505110004
WINNER 4N15-4	3571150004	1,5	1,1	G2	3,8	1509110000	1509150004	1505150000	1505150004
WINNER 4N15-6	3571150006	2	1,5	G2	5,0	1509150000	1509200004	1505200000	1505200004
WINNER 4N15-8	3571150008	3	2,2	G2	6,0	1509220100	1509300004	1505300000	1505300004
WINNER 4N15-11	3571150011	4	3	G2	8,2	-	1509400004	-	1505400004
WINNER 4N15-14	3571150014	5,5	4	G2	10,5	-	1509550004	-	1505550004
WINNER 4N15-20	3571150020	7,5	5,5	G2	15,5	-	1509750004	-	1505750004
WINNER 4N15-27	3571150027	10	7,5	G2	23,0	-	1509100104	-	1505110004

See motors on page 214

OY: oil filled motor - WY: water filled motor

WINNER 4N - electric pumps



WINNER 4N pumps with oil filled motor OYM - EBARA MOTORS

WINNER 4N

Single phase 230V												2 Poles			
Model	Code	HP	kW	Q=Flow rate									Abs. Curr. [A] 230V	DNM	Weight [kg]
				I/min	10	15	25	30	35	55	75	95			
				m ³ /h	0,6	0,9	1,5	1,8	2,1	3,3	4,5	5,7			
H=Total head [m]															
WINNER OYM 4N1-12/0,37	2510100000A	0,5	0,37		63,5	59,5	45,5	36,0	25,2	-	-	-	3,4	G1¼	10,7
WINNER OYM 4N1-18/0,55	2510110000A	0,75	0,55		95,5	89,5	68,5	54,0	37,8	-	-	-	4,2	G1¼	12,4
WINNER OYM 4N1-24/0,75	2510120000A	1	0,75		127,0	119,0	91,0	72,0	50,5	-	-	-	5,6	G1¼	14,6
WINNER OYM 4N1-34/1,1	2510130000A	1,5	1,1		180,0	169,0	129,0	102,0	71,5	-	-	-	7,8	G1¼	18,3
WINNER OYM 4N1-48/1,5	2510140000A	2	1,5		254,0	238,0	182,0	144,0	101,0	-	-	-	10,8	G1¼	23,8
WINNER OYM 4N1-68/2,2	2510150000A	3	2,2		360,0	337,0	258,0	204,0	142,0	-	-	-	14,6	G1¼	29,2
WINNER OYM 4N2-7/0,37	2510200000A	0,5	0,37		-	46,0	42,5	39,6	36,1	13,3	-	-	3,4	G1¼	10,8
WINNER OYM 4N2-10/0,55	2510210000A	0,75	0,55		-	65,5	60,5	56,5	51,5	19,0	-	-	4,25	G1¼	11,7
WINNER OYM 4N2-14/0,75	2510220000A	1	0,75		-	91,5	84,5	79,0	72,0	26,6	-	-	5,6	G1¼	13,1
WINNER OYM 4N2-20/1,1	2510230000A	1,5	1,1		-	131,0	121,0	113,0	103,0	38,0	-	-	7,8	G1¼	15,6
WINNER OYM 4N2-28/1,5	2510240000A	2	1,5		-	183,0	169,0	158,0	144,0	53,0	-	-	10,8	G1¼	18,7
WINNER OYM 4N2-40/2,2	2510250000A	3	2,2		-	262,0	242,0	226,0	206,0	76,0	-	-	14,6	G1¼	24,2
WINNER OYM 4N4-4/0,37	2510400000A	0,5	0,37		-	-	-	25,4	24,8	21,4	15,5	7,2	3,4	G1¼	9,4
WINNER OYM 4N4-7/0,55	2510410000A	0,75	0,55		-	-	-	44,5	43,3	37,4	27,2	12,6	4,2	G1¼	10,6
WINNER OYM 4N4-9/0,75	2510420000A	1	0,75		-	-	-	57,0	55,5	48,0	35,0	16,2	5,6	G1¼	12,1
WINNER OYM 4N4-13/1,1	2510430000A	1,5	1,1		-	-	-	82,5	80,5	69,5	50,5	23,4	7,8	G1¼	14,6
WINNER OYM 4N4-18/1,5	2510440000A	2	1,5		-	-	-	114,0	111,0	96,0	70,0	32,4	10,8	G1¼	17,4
WINNER OYM 4N4-27/2,2	2510450000A	3	2,2		-	-	-	171,0	167,0	144,0	105,0	48,5	14,6	G1¼	21,5

Single phase 230V												2 Poles			
Model	Code	HP	kW	Q=Flow rate									Abs. Curr. [A] 230V	DNM	Weight [kg]
				I/min	50	70	100	160	200	240	280	350			
				m ³ /h	3	4,2	6	9,6	12	14,4	16,8	21			
H=Total head [m]															
WINNER OYM 4N7-4/0,55	2510700000A	0,75	0,55		22,2	20,8	18,1	7,5	-	-	-	-	4,2	G2	10,6
WINNER OYM 4N7-6/0,75	2510710000A	1	0,75		33,3	31,2	27,1	11,3	-	-	-	-	5,6	G2	12,2
WINNER OYM 4N7-8/1,1	2510720000A	1,5	1,1		44,5	41,5	36,2	15,0	-	-	-	-	7,8	G2	14,3
WINNER OYM 4N7-12/1,5	2510730000A	2	1,5		66,5	62,5	54,5	22,6	-	-	-	-	10,8	G2	17,5
WINNER OYM 4N7-17/2,2	2510740000A	3	2,2		94,5	88,5	77,0	32,0	-	-	-	-	14,6	G2	21,3
WINNER OYM 4N10-4/0,75	2512100400	1	0,75		-	23,1	21,2	16,0	11,5	6,2	-	-	5,6	G2	12
WINNER OYM 4N10-6/1,1	2512100600	1,5	1,1		-	34,6	31,8	24,0	17,3	9,4	-	-	7,8	G2	14,4
WINNER OYM 4N10-8/1,5	2512100800	2	1,5		-	46,2	42,5	32,0	23,1	12,5	-	-	10,8	G2	17
WINNER OYM 4N10-13/2,2	2512101300	3	2,2		-	75,0	69,0	52,0	37,5	20,3	-	-	14,6	G2	21,5
WINNER OYM 4N15-4/1,1	2512150400	1,5	1,1		-	-	23,5	21,0	18,9	16,3	13,3	7,0	7,8	G2	14,1
WINNER OYM 4N15-6/1,5	2512150600	2	1,5		-	-	35,3	31,5	28,3	24,4	19,9	10,5	10,8	G2	17
WINNER OYM 4N15-8/2,2	2512150800	3	2,2		-	-	47,0	42,0	37,7	32,5	26,5	14,0	14,6	G2	20,2

WINNER 4N - electric pumps



WINNER 4N pumps with oil filled motor OY - EBARA MOTORS

Three phase 400V													2 Poles		
Model	Code	HP	kW	Q=Flow rate									Abs. Curr. [A] 400V	DNM	Weight [kg]
				I/min	10	15	25	30	35	55	75	95			
				m³/h	0,6	0,9	1,5	1,8	2,1	3,3	4,5	5,7			
H=Total head [m]															
WINNER OY 4N1-12/0,37	2510100004A	0,5	0,37		63,5	59,5	45,5	36,0	25,2	-	-	-	1,3	G1¼	10,2
WINNER OY 4N1-18/0,55	2510110004A	0,75	0,55		95,5	89,5	68,5	54,0	37,8	-	-	-	1,9	G1¼	11,8
WINNER OY 4N1-24/0,75	2510120004A	1	0,75		127,0	119,0	91,0	72,0	50,5	-	-	-	2,4	G1¼	13,5
WINNER OY 4N1-34/1,1	2510130004A	1,5	1,1		180,0	169,0	129,0	102,0	71,5	-	-	-	3,2	G1¼	16,7
WINNER OY 4N1-48/1,5	2510140004A	2	1,5		254,0	238,0	182,0	144,0	101,0	-	-	-	4,4	G1¼	22,2
WINNER OY 4N1-68/2,2	2510150004A	3	2,2		360,0	337,0	258,0	204,0	142,0	-	-	-	5,8	G1¼	27
WINNER OY 4N2-7/0,37	2510200004A	0,5	0,37		-	46,0	42,5	39,6	36,1	13,3	-	-	1,3	G1¼	10,3
WINNER OY 4N2-10/0,55	2510210004A	0,75	0,55		-	65,5	60,5	56,5	51,5	19,0	-	-	1,9	G1¼	11,1
WINNER OY 4N2-14/0,75	2510220004A	1	0,75		-	91,5	84,5	79,0	72,0	26,6	-	-	2,4	G1¼	12
WINNER OY 4N2-20/1,1	2510230004A	1,5	1,1		-	131,0	121,0	113,0	103,0	38,0	-	-	3,2	G1¼	14
WINNER OY 4N2-28/1,5	2510240004A	2	1,5		-	183,0	169,0	158,0	144,0	53,0	-	-	4,4	G1¼	17,1
WINNER OY 4N2-40/2,2	2510250004A	3	2,2		-	262,0	242,0	226,0	206,0	76,0	-	-	5,8	G1¼	22
WINNER OY 4N2-56/3,0	2510260004A	4	3		-	367,0	338,0	317,0	289,0	106,0	-	-	7,6	G1¼	25,8
WINNER OY 4N4-4/0,37	2510400004A	0,5	0,37		-	-	-	25,4	24,8	21,4	15,5	7,2	1,3	G1¼	8,9
WINNER OY 4N4-7/0,55	2510410004A	0,75	0,55		-	-	-	44,5	43,3	37,4	27,2	12,6	1,9	G1¼	10
WINNER OY 4N4-9/0,75	2510420004A	1	0,75		-	-	-	57,0	55,5	48,0	35,0	16,2	2,4	G1¼	11
WINNER OY 4N4-13/1,1	2510430004A	1,5	1,1		-	-	-	82,5	80,5	69,5	50,5	23,4	3,2	G1¼	13
WINNER OY 4N4-18/1,5	2510440004A	2	1,5		-	-	-	114,0	111,0	96,0	70,0	32,4	4,4	G1¼	15,8
WINNER OY 4N4-27/2,2	2510450004A	3	2,2		-	-	-	171,0	167,0	144,0	105,0	48,5	5,8	G1¼	19,3
WINNER OY 4N4-36/3,0	2510460004A	4	3		-	-	-	229,0	223,0	192,0	140,0	65,0	7,6	G1¼	23,8
WINNER OY 4N4-48/4,0	2510470004A	5,5	4		-	-	-	305,0	297,0	256,0	187,0	86,5	9,8	G1¼	29,3

Three phase 400V													2 Poles		
Model	Code	HP	kW	Q=Flow rate									Abs. Curr. [A] 400V	DNM	Weight [kg]
				I/min	50	70	100	160	200	240	280	350			
				m³/h	3	4,2	6	9,6	12	14,4	16,8	21			
H=Total head [m]															
WINNER OY 4N7-4/0,55	2510700004A	0,75	0,55		22,2	20,8	18,1	7,5	-	-	-	-	1,9	G2	10
WINNER OY 4N7-6/0,75	2510710004A	1	0,75		33,3	31,2	27,1	11,3	-	-	-	-	2,4	G2	11,1
WINNER OY 4N7-8/1,1	2510720004A	1,5	1,1		44,5	41,5	36,2	15,0	-	-	-	-	3,2	G2	12,7
WINNER OY 4N7-12/1,5	2510730004A	2	1,5		66,5	62,5	54,5	22,6	-	-	-	-	4,4	G2	15,9
WINNER OY 4N7-17/2,2	2510740004A	3	2,2		94,5	88,5	77,0	32,0	-	-	-	-	5,8	G2	19,1
WINNER OY 4N7-23/3,0	2510750004A	4	3		128,0	120,0	104,0	43,5	-	-	-	-	7,6	G2	21,8
WINNER OY 4N7-30/4,0	2510760004A	5,5	4		166,0	156,0	136,0	56,5	-	-	-	-	9,8	G2	28,1
WINNER OY 4N7-42/5,5	2510770004A	7,5	5,5		233,0	219,0	190,0	79,0	-	-	-	-	13,5	G2	35,1
WINNER OY 4N10-4/0,75	2512100404	1	0,75		-	23,1	21,2	16,0	11,5	6,2	-	-	2,4	G2	10,9
WINNER OY 4N10-6/1,1	2512100604	1,5	1,1		-	34,6	31,8	24,0	17,3	9,4	-	-	3,2	G2	12,8
WINNER OY 4N10-8/1,5	2512100804	2	1,5		-	46,2	42,5	32,0	23,1	12,5	-	-	4,4	G2	15,4
WINNER OY 4N10-13/2,2	2512101304	3	2,2		-	75,0	69,0	52,0	37,5	20,3	-	-	5,8	G2	19,3
WINNER OY 4N10-17/3	2512101704	4	3		-	98,0	90,0	68,0	49,0	26,5	-	-	7,6	G2	21,9
WINNER OY 4N10-23/4	2512102304	5,5	4		-	133,0	122,0	92,0	66,5	35,8	-	-	9,8	G2	27
WINNER OY 4N10-32/5,5	2512103204	7,5	5,5		-	185,0	170,0	128,0	92,0	50,0	-	-	13,5	G2	35,6
WINNER OY 4N10-44/7,5	2512104404	10	7,5		-	254,0	233,0	176,0	127,0	68,5	-	-	19	G2	49,7
WINNER OY 4N15-4/1,1	2512150404	1,5	1,1		-	-	23,5	21,0	18,9	16,3	13,3	7,0	3,2	G2	12,5
WINNER OY 4N15-6/1,5	2512150604	2	1,5		-	-	35,3	31,5	28,3	24,4	19,9	10,5	4,4	G2	15,4
WINNER OY 4N15-8/2,2	2512150804	3	2,2		-	-	47,0	42,0	37,7	32,5	26,5	14,0	5,8	G2	18
WINNER OY 4N15-11/3	2512151104	4	3		-	-	67,5	61,5	56,0	49,5	41,9	25,9	7,6	G2	21
WINNER OY 4N15-14/4	2512151404	5,5	4		-	-	86,0	78,0	71,5	63,0	53,5	33,0	9,8	G2	25,8
WINNER OY 4N15-20/5,5	2512152004	7,5	5,5		-	-	123,0	112,0	102,0	90,0	76,0	47,0	13,5	G2	34,1
WINNER OY 4N15-27/7,5	2512152704	10	7,5		-	-	166,0	151,0	137,0	121,0	103,0	63,5	19	G2	50

WINNER 4N

WINNER 4N - electric pumps



WINNER 4N pumps with water filled motor WYM - EBARA MOTORS

WINNER 4N

Single phase 230V												2 Poles			
Model	Code	HP	kW	Q=Flow rate								Abs. Curr. [A] 230V	DNM	Weight [kg]	
				l/min	10	15	25	30	35	55	75				95
				m ³ /h	0,6	0,9	1,5	1,8	2,1	3,3	4,5				5,7
H=Total head [m]															
WINNER WYM 4N1-12/0,37	2500100010A	0,5	0,37		63,5	59,5	45,5	36,0	25,2	-	-	-	3,4	G1¼	10,5
WINNER WYM 4N1-18/0,55	2500110010A	0,75	0,55		95,5	89,5	68,5	54,0	37,8	-	-	-	4,4	G1¼	12,9
WINNER WYM 4N1-24/0,75	2500120010A	1	0,75		127,0	119,0	91,0	72,0	50,5	-	-	-	6	G1¼	16,5
WINNER WYM 4N1-34/1,1	2500130010A	1,5	1,1		180,0	169,0	129,0	102,0	71,5	-	-	-	7,8	G1¼	19,2
WINNER WYM 4N1-48/1,5	2500140010A	2	1,5		254,0	238,0	182,0	144,0	101,0	-	-	-	10,5	G1¼	25,8
WINNER WYM 4N1-68/2,2	2500150010A	3	2,2		360,0	337,0	258,0	204,0	142,0	-	-	-	15	G1¼	31,4
WINNER WYM 4N2-7/0,37	2500200010A	0,5	0,37		-	46,0	42,5	39,6	36,1	13,3	-	-	3,4	G1¼	10,6
WINNER WYM 4N2-10/0,55	2500210010A	0,75	0,55		-	65,5	60,5	56,5	51,5	19,0	-	-	4,4	G1¼	12,2
WINNER WYM 4N2-14/0,75	2500220010A	1	0,75		-	91,5	84,5	79,0	72,0	26,6	-	-	6	G1¼	15
WINNER WYM 4N2-20/1,1	2500230010A	1,5	1,1		-	131,0	121,0	113,0	103,0	38,0	-	-	7,8	G1¼	16,5
WINNER WYM 4N2-28/1,5	2500240010A	2	1,5		-	183,0	169,0	158,0	144,0	53,0	-	-	10,5	G1¼	20,7
WINNER WYM 4N2-40/2,2	2500250010A	3	2,2		-	262,0	242,0	226,0	206,0	76,0	-	-	15	G1¼	26,4
WINNER WYM 4N4-4/0,37	2500400010A	0,5	0,37		-	-	-	25,4	24,8	21,4	15,5	7,2	3,4	G1¼	9,2
WINNER WYM 4N4-7/0,55	2500410010A	0,75	0,55		-	-	-	44,5	43,3	37,4	27,2	12,6	4,4	G1¼	11,1
WINNER WYM 4N4-9/0,75	2500420010A	1	0,75		-	-	-	57,0	55,5	48,0	35,0	16,2	6	G1¼	14
WINNER WYM 4N4-13/1,1	2500430010A	1,5	1,1		-	-	-	82,5	80,5	69,5	50,5	23,4	7,8	G1¼	15,5
WINNER WYM 4N4-18/1,5	2500440010A	2	1,5		-	-	-	114,0	111,0	96,0	70,0	32,4	10,5	G1¼	19,4
WINNER WYM 4N4-27/2,2	2500450010A	3	2,2		-	-	-	171,0	167,0	144,0	105,0	48,5	15	G1¼	23,7

Single phase 230V												2 Poles			
Model	Code	HP	kW	Q=Flow rate								Abs. Curr. [A] 230V	DNM	Weight [kg]	
				l/min	50	70	100	160	200	240	280				350
				m ³ /h	3	4,2	6	9,6	12	14,4	16,8				21
H=Total head [m]															
WINNER WYM 4N7-4/0,55	2500700010A	0,75	0,55		22,2	20,8	18,1	7,5	-	-	-	-	4,4	G2	11,1
WINNER WYM 4N7-6/0,75	2500710010A	1	0,75		33,3	31,2	27,1	11,3	-	-	-	-	6	G2	14,1
WINNER WYM 4N7-8/1,1	2500720010A	1,5	1,1		44,5	41,5	36,2	15,0	-	-	-	-	7,8	G2	15,2
WINNER WYM 4N7-12/1,5	2500730010A	2	1,5		66,5	62,5	54,5	22,6	-	-	-	-	10,5	G2	19,5
WINNER WYM 4N7-17/2,2	2500740010A	3	2,2		94,5	88,5	77,0	32,0	-	-	-	-	15	G2	23,5
WINNER WYM 4N10-4/0,75	2502100410	1	0,75		-	23,1	21,2	16,0	11,5	6,2	-	-	6	G2	13,9
WINNER WYM 4N10-6/1,1	2502100610	1,5	1,1		-	34,6	31,8	24,0	17,3	9,4	-	-	7,8	G2	15,3
WINNER WYM 4N10-8/1,5	2502100810	2	1,5		-	46,2	42,5	32,0	23,1	12,5	-	-	10,5	G2	19
WINNER WYM 4N10-12/2,2	2502101310	3	2,2		-	75,0	69,0	52,0	37,5	20,3	-	-	15	G2	23,7
WINNER WYM 4N15-4/1,1	2502150410	1,5	1,1		-	-	23,5	21,0	18,9	16,3	13,3	7,0	7,8	G2	15
WINNER WYM 4N15-6/1,5	2502150610	2	1,5		-	-	35,3	31,5	28,3	24,4	19,9	10,5	10,5	G2	19
WINNER WYM 4N15-9/2,2	2502150810	3	2,2		-	-	47,0	42,0	37,7	32,5	26,5	14,0	15	G2	22,4

WINNER 4N - electric pumps



WINNER 4N pumps with water filled motor WY - EBARA MOTORS

Three phase 400V													2 Poles		
Model	Code	HP	kW	Q=Flow rate									Abs. Curr. [A] 400V	DNM	Weight [kg]
				l/min	10	15	25	30	35	55	75	95			
				m³/h	0,6	0,9	1,5	1,8	2,1	3,3	4,5	5,7			
H=Total head [m]															
WINNER WY 4N1-12/0,37	2500100014A	0,5	0,37		63,5	59,5	45,5	36,0	25,2	-	-	-	1,3	G1¼	9,5
WINNER WY 4N1-18/0,55	2500110014A	0,75	0,55		95,5	89,5	68,5	54,0	37,8	-	-	-	1,7	G1¼	12,9
WINNER WY 4N1-24/0,75	2500120014A	1	0,75		127,0	119,0	91,0	72,0	50,5	-	-	-	2,2	G1¼	16,5
WINNER WY 4N1-34/1,1	2500130014A	1,5	1,1		180,0	169,0	129,0	102,0	71,5	-	-	-	3	G1¼	19,2
WINNER WY 4N1-48/1,5	2500140014A	2	1,5		254,0	238,0	182,0	144,0	101,0	-	-	-	4	G1¼	25,8
WINNER WY 4N1-68/2,2	2500150014A	3	2,2		360,0	337,0	258,0	204,0	142,0	-	-	-	5,6	G1¼	31,4
WINNER WY 4N2-7/0,37	2500200014A	0,5	0,37		-	46,0	42,5	39,6	36,1	13,3	-	-	1,3	G1¼	9,6
WINNER WY 4N2-10/0,55	2500210014A	0,75	0,55		-	65,5	60,5	56,5	51,5	19,0	-	-	1,7	G1¼	12,2
WINNER WY 4N2-14/0,75	2500220014A	1	0,75		-	91,5	84,5	79,0	72,0	26,6	-	-	2,2	G1¼	15
WINNER WY 4N2-20/1,1	2500230014A	1,5	1,1		-	131,0	121,0	113,0	103,0	38,0	-	-	3	G1¼	16,5
WINNER WY 4N2-28/1,5	2500240014A	2	1,5		-	183,0	169,0	158,0	144,0	53,0	-	-	4	G1¼	20,7
WINNER WY 4N2-40/2,2	2500250014A	3	2,2		-	262,0	242,0	226,0	206,0	76,0	-	-	5,6	G1¼	26,4
WINNER WY 4N2-56/3,0	2500260014A	4	3		-	367,0	338,0	317,0	289,0	106,0	-	-	7,5	G1¼	31,3
WINNER WY 4N4-4/0,37	2500400014A	0,5	0,37		-	-	-	25,4	24,8	21,4	15,5	7,2	1,3	G1¼	8,2
WINNER WY 4N4-7/0,55	2500410014A	0,75	0,55		-	-	-	44,5	43,3	37,4	27,2	12,6	1,7	G1¼	11,1
WINNER WY 4N4-9/0,75	2500420014A	1	0,75		-	-	-	57,0	55,5	48,0	35,0	16,2	2,2	G1¼	14
WINNER WY 4N4-13/1,1	2500430014A	1,5	1,1		-	-	-	82,5	80,5	69,5	50,5	23,4	3	G1¼	15,5
WINNER WY 4N4-18/1,5	2500440014A	2	1,5		-	-	-	114,0	111,0	96,0	70,0	32,4	4	G1¼	19,4
WINNER WY 4N4-27/2,2	2500450014A	3	2,2		-	-	-	171,0	167,0	144,0	105,0	48,5	5,6	G1¼	23,7
WINNER WY 4N4-36/3,0	2500460014A	4	3		-	-	-	229,0	223,0	192,0	140,0	65,0	7,5	G1¼	29,3
WINNER WY 4N4-48/4,0	2500470014A	5,5	4		-	-	-	305,0	297,0	256,0	187,0	86,5	10,6	G1¼	37,4

Three phase 400V													2 Poles		
Model	Code	HP	kW	Q=Flow rate									Abs. Curr. [A] 400V	DNM	Weight [kg]
				l/min	50	70	100	160	200	240	280	350			
				m³/h	3	4,2	6	9,6	12	14,4	16,8	21			
H=Total head [m]															
WINNER WY 4N7-4/0,55	2500700014A	0,75	0,55		22,2	20,8	18,1	7,5	-	-	-	-	1,7	G2	11,1
WINNER WY 4N7-6/0,75	2500710014A	1	0,75		33,3	31,2	27,1	11,3	-	-	-	-	2,2	G2	14,1
WINNER WY 4N7-8/1,1	2500720014A	1,5	1,1		44,5	41,5	36,2	15,0	-	-	-	-	3	G2	15,2
WINNER WY 4N7-12/1,5	2500730014A	2	1,5		66,5	62,5	54,5	22,6	-	-	-	-	4	G2	19,5
WINNER WY 4N7-17/2,2	2500740014A	3	2,2		94,5	88,5	77,0	32,0	-	-	-	-	5,6	G2	23,5
WINNER WY 4N7-23/3,0	2500750014A	4	3		128,0	120,0	104,0	43,5	-	-	-	-	7,5	G2	27,3
WINNER WY 4N7-30/4,0	2500760014A	5,5	4		166,0	156,0	136,0	56,5	-	-	-	-	10,6	G2	36,2
WINNER WY 4N7-42/5,5	2500770014A	7,5	5,5		233,0	219,0	190,0	79,0	-	-	-	-	13,6	G2	45,9
WINNER WY 4N10-4/0,75	2502100414	1	0,75		-	23,1	21,2	16,0	11,5	6,2	-	-	2,2	G2	4,3
WINNER WY 4N10-6/1,1	2502100614	1,5	1,1		-	34,6	31,8	24,0	17,3	9,4	-	-	3	G2	5,6
WINNER WY 4N10-8/1,5	2502100814	2	1,5		-	46,2	42,5	32,0	23,1	12,5	-	-	4	G2	7
WINNER WY 4N10-13/2,2	2502101314	3	2,2		-	75,0	69,0	52,0	37,5	20,3	-	-	5,6	G2	10,3
WINNER WY 4N10-17/3	2502101714	4	3		-	98,0	90,0	68,0	49,0	26,5	-	-	7,5	G2	13,1
WINNER WY 4N10-23/4	2502102314	5,5	4		-	133,0	122,0	92,0	66,5	35,8	-	-	10,6	G2	17,2
WINNER WY 4N10-32/5,5	2502103214	7,5	5,5		-	185,0	170,0	128,0	92,0	50,0	-	-	13,6	G2	24,5
WINNER WY 4N10-44/7,5	2502104414	10	7,5		-	254,0	233,0	176,0	127,0	68,5	-	-	18,3	G2	56,5
WINNER WY 4N15-4/1,1	2502150414	1,5	1,1		-	-	23,5	21,0	18,9	16,3	13,3	7,0	3	G2	5,3
WINNER WY 4N15-6/1,5	2502150614	2	1,5		-	-	35,3	31,5	28,3	24,4	19,9	10,5	4	G2	7
WINNER WY 4N15-8/2,2	2502150814	3	2,2		-	-	47,0	42,0	37,7	32,5	26,5	14,0	5,6	G2	9
WINNER WY 4N15-11/3	2502151114	4	3		-	-	67,5	61,5	56,0	49,5	41,9	25,9	7,5	G2	12,2
WINNER WY 4N15-14/4	2502151414	5,5	4		-	-	86,0	78,0	71,5	63,0	53,5	33,0	10,6	G2	16
WINNER WY 4N15-20/5,5	2502152014	7,5	5,5		-	-	123,0	112,0	102,0	90,0	76,0	47,0	13,6	G2	23
WINNER WY 4N15-27/7,5	2502152714	10	7,5		-	-	166,0	151,0	137,0	121,0	103,0	63,5	18,3	G2	56,8

WINNER 4N - electric pumps



WINNER 4N pumps with water filled motor WYM - FRANKLIN MOTORS

WINNER 4N

Single phase 230V												2 Poles			
Model	Code	HP	kW	Q=Flow rate									Abs. Curr. [A] 230V	DNM	Weight [kg]
				l/min	10	15	25	30	35	55	75	95			
				m³/h	0,6	0,9	1,5	1,8	2,1	3,3	4,5	5,7			
H=Total head [m]															
WINNER WYM 4N1-12/0,37	2500100000A	0,5	0,37		63,5	59,5	45,5	36,0	25,2	-	-	-	3,3	G1¼	11,7
WINNER WYM 4N1-18/0,55	2500110000A	0,75	0,55		95,5	89,5	68,5	54,0	37,8	-	-	-	4,3	G1¼	14
WINNER WYM 4N1-24/0,75	2500120000A	1	0,75		127,0	119,0	91,0	72,0	50,5	-	-	-	5,7	G1¼	16,3
WINNER WYM 4N1-34/1,1	2500130000A	1,5	1,1		180,0	169,0	129,0	102,0	71,5	-	-	-	8,4	G1¼	19,8
WINNER WYM 4N1-48/1,5	2500140000A	2	1,5		254,0	238,0	182,0	144,0	101,0	-	-	-	10,7	G1¼	24,7
WINNER WYM 4N1-68/2,2	2500150000A	3	2,2		360,0	337,0	258,0	204,0	142,0	-	-	-	14,7	G1¼	32,3
WINNER WYM 4N2-7/0,37	2500200000A	0,5	0,37		-	46,0	42,5	39,6	36,1	13,3	-	-	3,3	G1¼	12,8
WINNER WYM 4N2-10/0,55	2500210000A	0,75	0,55		-	65,5	60,5	56,5	51,5	19,0	-	-	4,3	G1¼	14,1
WINNER WYM 4N2-14/0,75	2500220000A	1	0,75		-	91,5	84,5	79,0	72,0	26,6	-	-	5,7	G1¼	14,8
WINNER WYM 4N2-20/1,1	2500230000A	1,5	1,1		-	131,0	121,0	113,0	103,0	38,0	-	-	8,4	G1¼	17,1
WINNER WYM 4N2-28/1,5	2500240000A	2	1,5		-	183,0	169,0	158,0	144,0	53,0	-	-	10,7	G1¼	19,6
WINNER WYM 4N2-40/2,2	2500250000A	3	2,2		-	262,0	242,0	226,0	206,0	76,0	-	-	14,7	G1¼	27,3
WINNER WYM 4N4-4/0,37	2500400000A	0,5	0,37		-	-	-	25,4	24,8	21,4	15,5	7,2	3,3	G1¼	10,4
WINNER WYM 4N4-7/0,55	2500410000A	0,75	0,55		-	-	-	44,45	43,33	37,38	27,23	12,6	4,3	G1¼	12,2
WINNER WYM 4N4-9/0,75	2500420000A	1	0,75		-	-	-	57,0	55,5	48,0	35,0	16,2	5,7	G1¼	13,8
WINNER WYM 4N4-13/1,1	2500430000A	1,5	1,1		-	-	-	82,5	80,5	69,5	50,5	23,4	8,4	G1¼	16,1
WINNER WYM 4N4-18/1,5	2500440000A	2	1,5		-	-	-	114,0	111,0	96,0	70,0	32,4	10,7	G1¼	18,3
WINNER WYM 4N4-27/2,2	2500450000A	3	2,2		-	-	-	171,0	167,0	144,0	105,0	48,5	14,7	G1¼	24,6

Single phase 230V												2 Poles			
Model	Code	HP	kW	Q=Flow rate									Abs. Curr. [A] 230V	DNM	Weight [kg]
				l/min	50	70	100	160	200	240	280	350			
				m³/h	3	4,2	6	9,6	12	14,4	16,8	21			
H=Total head [m]															
WINNER WYM 4N7-4/0,55	2500700000A	0,75	0,55		22,2	20,8	18,1	7,5	-	-	-	-	4,3	G2	12,2
WINNER WYM 4N7-6/0,75	2500710000A	1	0,75		33,3	31,2	27,1	11,3	-	-	-	-	5,7	G2	13,9
WINNER WYM 4N7-8/1,1	2500720000A	1,5	1,1		44,5	41,5	36,2	15,0	-	-	-	-	8,4	G2	15,8
WINNER WYM 4N7-12/1,5	2500730000A	2	1,5		66,5	62,5	54,5	22,6	-	-	-	-	10,7	G2	18,4
WINNER WYM 4N7-17/2,2	2500740000A	3	2,2		94,5	88,5	77,0	32,0	-	-	-	-	14,7	G2	24,4
WINNER WYM 4N10-4/0,75	2502100400	1	0,75		-	23,1	21,2	16,0	11,5	6,2	-	-	5,7	G2	13,7
WINNER WYM 4N10-6/1,1	2502100600	1,5	1,1		-	34,6	31,8	24,0	17,3	9,4	-	-	8,4	G2	15,9
WINNER WYM 4N10-8/1,5	2502100800	2	1,5		-	46,2	42,5	32,0	23,1	12,5	-	-	10,7	G2	17,9
WINNER WYM 4N10-12/2,2	2502101300	3	2,2		-	75,0	69,0	52,0	37,5	20,3	-	-	14,7	G2	24,6
WINNER WYM 4N15-4/1,1	2502150400	1,5	1,1		-	-	23,5	21,0	18,9	16,3	13,3	7,0	8,4	G2	15,6
WINNER WYM 4N15-6/1,5	2502150600	2	1,5		-	-	35,3	31,5	28,3	24,4	19,9	10,5	10,7	G2	17,9
WINNER WYM 4N15-9/2,2	2502150800	3	2,2		-	-	47,0	42,0	37,7	32,5	26,5	14,0	14,7	G2	23,3

WINNER 4N - electric pumps



WINNER 4N pumps with water filled motor WY - FRANKLIN MOTORS

Three phase 380-415V													2 Poles		
Model	Code	HP	kW	Q=Flow rate									Abs. Curr. [A] 415V	DNM	Weight [kg]
				l/min m³/h	10 0,6	15 0,9	25 1,5	30 1,8	35 2,1	55 3,3	75 4,5	95 5,7			
H=Total head [m]															
WINNER WY 4N1-12/0,37	2500100004A	0,5	0,37		63,5	59,5	45,5	36,0	25,2	-	-	-	1,14	G1¼	10,9
WINNER WY 4N1-18/0,55	2500110004A	0,75	0,55		95,5	89,5	68,5	54,0	37,8	-	-	-	1,7	G1¼	12,5
WINNER WY 4N1-24/0,75	2500120004A	1	0,75		127,0	119,0	91,0	72,0	50,5	-	-	-	2,1	G1¼	14,6
WINNER WY 4N1-34/1,1	2500130004A	1,5	1,1		180,0	169,0	129,0	102,0	71,5	-	-	-	2,9	G1¼	18,2
WINNER WY 4N1-48/1,5	2500140004A	2	1,5		254,0	238,0	182,0	144,0	101,0	-	-	-	4	G1¼	23
WINNER WY 4N1-68/2,2	2500150004A	3	2,2		360,0	337,0	258,0	204,0	142,0	-	-	-	5,8	G1¼	27,6
WINNER WY 4N2-7/0,37	2500200004A	0,5	0,37		-	46,0	42,5	39,6	36,1	13,3	-	-	1,14	G1¼	12,2
WINNER WY 4N2-10/0,55	2500210004A	0,75	0,55		-	65,5	60,5	56,5	51,5	19,0	-	-	1,7	G1¼	13
WINNER WY 4N2-14/0,75	2500220004A	1	0,75		-	91,5	84,5	79,0	72,0	26,6	-	-	2,1	G1¼	13,1
WINNER WY 4N2-20/1,1	2500230004A	1,5	1,1		-	131,0	121,0	113,0	103,0	38,0	-	-	2,9	G1¼	15,5
WINNER WY 4N2-28/1,5	2500240004A	2	1,5		-	183,0	169,0	158,0	144,0	53,0	-	-	4	G1¼	17,9
WINNER WY 4N2-40/2,2	2500250004A	3	2,2		-	262,0	242,0	226,0	206,0	76,0	-	-	5,8	G1¼	22,6
WINNER WY 4N2-56/3,0	2500260004A	4	3		-	367,0	338,0	317,0	289,0	106,0	-	-	7,9	G1¼	28
WINNER WY 4N4-4/0,37	2500400004A	0,5	0,37		-	-	-	25,4	24,8	21,4	15,5	7,2	1,14	G1¼	9,6
WINNER WY 4N4-7/0,55	2500410004A	0,75	0,55		-	-	-	44,45	43,33	37,38	27,23	12,6	1,7	G1¼	10,7
WINNER WY 4N4-9/0,75	2500420004A	1	0,75		-	-	-	57,0	55,5	48,0	35,0	16,2	2,1	G1¼	12,1
WINNER WY 4N4-13/1,1	2500430004A	1,5	1,1		-	-	-	82,5	80,5	69,5	50,5	23,4	2,9	G1¼	14,5
WINNER WY 4N4-18/1,5	2500440004A	2	1,5		-	-	-	114,0	111,0	96,0	70,0	32,4	4	G1¼	16,6
WINNER WY 4N4-27/2,2	2500450004A	3	2,2		-	-	-	171,0	167,0	144,0	105,0	48,5	5,8	G1¼	19,9
WINNER WY 4N4-36/3,0	2500460004A	4	3		-	-	-	229,0	223,0	192,0	140,0	65,0	7,9	G1¼	26
WINNER WY 4N4-48/4,0	2500470004A	5,5	4		-	-	-	305,0	297,0	256,0	187,0	86,5	10,4	G1¼	34

Three phase 380-415V													2 Poles		
Model	Code	HP	kW	Q=Flow rate									Abs. Curr. [A] 415V	DNM	Weight [kg]
				l/min m³/h	50 3	70 4,2	100 6	160 9,6	200 12	240 14,4	280 16,8	350 21			
H=Total head [m]															
WINNER WY 4N7-4/0,55	2500700004A	0,75	0,55		22,2	20,8	18,1	7,5	-	-	-	-	1,7	G2	10,7
WINNER WY 4N7-6/0,75	2500710004A	1	0,75		33,3	31,2	27,1	11,3	-	-	-	-	2,1	G2	12,2
WINNER WY 4N7-8/1,1	2500720004A	1,5	1,1		44,5	41,5	36,2	15,0	-	-	-	-	2,9	G2	14,2
WINNER WY 4N7-12/1,5	2500730004A	2	1,5		66,5	62,5	54,5	22,6	-	-	-	-	4	G2	16,7
WINNER WY 4N7-17/2,2	2500740004A	3	2,2		94,5	88,5	77,0	32,0	-	-	-	-	5,8	G2	19,7
WINNER WY 4N7-23/3,0	2500750004A	4	3		128,0	120,0	104,0	43,5	-	-	-	-	7,9	G2	24,0
WINNER WY 4N7-30/4,0	2500760004A	5,5	4		166,0	156,0	136,0	56,5	-	-	-	-	10,4	G2	32,8
WINNER WY 4N7-42/5,5	2500770004A	7,5	5,5		233,0	219,0	190,0	79,0	-	-	-	-	12,8	G2	43,1
WINNER WY 4N10-4/0,75	2502100404	1	0,75		-	23,1	21,2	16,0	11,5	6,2	-	-	2,1	G2	12,0
WINNER WY 4N10-6/1,1	2502100604	1,5	1,1		-	34,6	31,8	24,0	17,3	9,4	-	-	2,9	G2	14,3
WINNER WY 4N10-8/1,5	2502100804	2	1,5		-	46,2	42,5	32,0	23,1	12,5	-	-	4	G2	16,2
WINNER WY 4N10-13/2,2	2502101304	3	2,2		-	75,0	69,0	52,0	37,5	20,3	-	-	5,8	G2	19,9
WINNER WY 4N10-17/3	2502101704	4	3		-	98,0	90,0	68,0	49,0	26,5	-	-	7,9	G2	24,1
WINNER WY 4N10-23/4	2502102304	5,5	4		-	133,0	122,0	92,0	66,5	35,8	-	-	10,4	G2	31,7
WINNER WY 4N10-32/5,5	2502103204	7,5	5,5		-	185,0	170,0	128,0	92,0	50,0	-	-	12,8	G2	43,6
WINNER WY 4N10-44/7,5	2502104404	10	7,5		-	254,0	233,0	176,0	127	68,5	-	-	17,6	G2	53,3
WINNER WY 4N15-4/1,1	2502150404	1,5	1,1		-	-	23,5	21,0	18,9	16,3	13,3	7,0	2,9	G2	14,0
WINNER WY 4N15-6/1,5	2502150604	2	1,5		-	-	35,3	31,5	28,3	24,4	19,9	10,5	4	G2	16,2
WINNER WY 4N15-8/2,2	2502150804	3	2,2		-	-	47,0	42,0	37,7	32,5	26,5	14,0	5,8	G2	18,6
WINNER WY 4N15-11/3	2502151104	4	3		-	-	67,5	61,5	56,0	49,5	41,9	25,9	7,9	G2	23,2
WINNER WY 4N15-14/4	2502151404	5,5	4		-	-	86,0	78,0	71,5	63,0	53,5	33,0	10,4	G2	30,5
WINNER WY 4N15-20/5,5	2502152004	7,5	5,5		-	-	123,0	112,0	102,0	90,0	76,0	47,0	12,8	G2	42,1
WINNER WY 4N15-27/7,5	2502152704	10	7,5		-	-	166,0	151,0	137,0	121,0	103,0	63,5	17,6	G2	53,6

4WN



4" borehole centrifugal pumps

4" borehole centrifugal pumps with stainless steel external casing and floating impellers in Noryl to ensure a reliable resistance to scraping. Suitable for fountains, boosters, firefighting, irrigations and industrial use. Available with oil filled motor. NEMA standards motor connections.



Low noise



Practical and easy to use



Suitable for horizontal operation

Technical data

Max. immersion 150 m

Max. temperature of the liquid 35°C
(Depends on max. motor temperature)

Max. sand content 50 g/m³

Poles 2

Insulation class F

Protection degree IP 68 (water filled motor)
IP 58 (oil filled motor)

Voltage Single phase 230V +6-10% OYM
Three phase 400V +6-10% OY
Single phase 230V ±6% WYM
Three phase 400V ±6% WY

Materials

External casing	AISI 304
Impeller	PPO reinforced with fibreglass
Shaft	AISI 304
Discharge casing	AISI 304
Motor connection	AISI 304

Accessories



Cables

Page 321 - **Quadripolar cables**



Capacitors

Page 381 - **Capacitors 450V**



Floats

Page 379 - **Key floats with counterweight**



Control panels and Control systems

Page 366 - **Presscomfort**

Pressure regulator

Page 364 - **E-power**

Variable speed control systems

Page 362 - **E-drive**

Variable speed control systems

Page 366 - **Control panels**

Q - 1EP-E - QA50/B - QA60/C - SMART



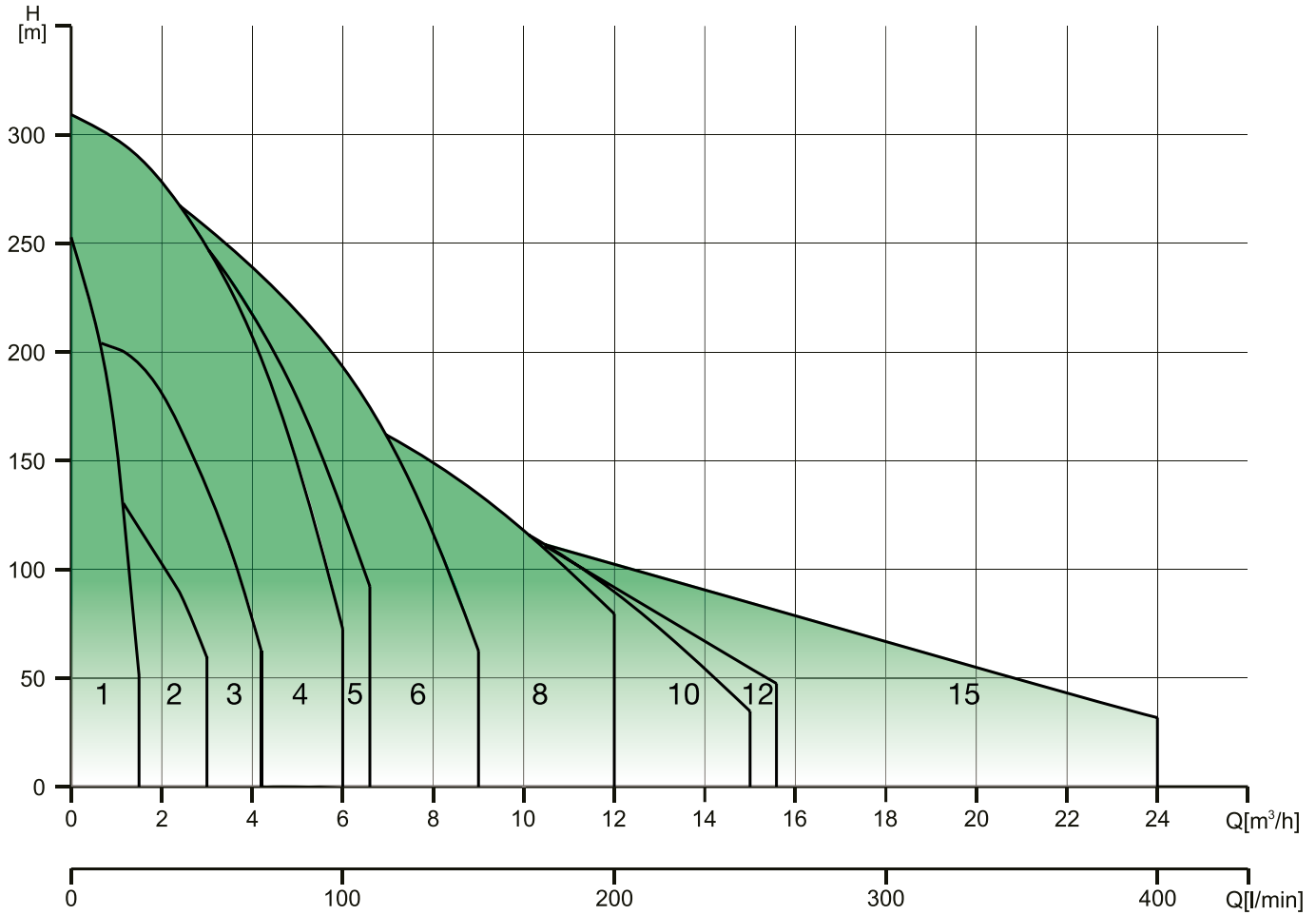
Cooling sleeve

Page 382 - **Cooling sleeve for 4" borehole pumps**

4WN



4" borehole centrifugal pumps



4WN

4WN



4" borehole centrifugal pumps

Selection table

Model	HP	kW	Q=Flow rate															
			l/min	5	10	15	20	25	30	35	40	45	50	60	70	80	90	100
			m ³ /h	0,3	0,6	0,9	1,2	1,5	1,8	2,1	2,4	2,7	3,0	3,6	4,2	4,8	5,4	6,0
			H=Total head [m]															
4WN1-10	0,5	0,37		63	55	46	33	18	-	-	-	-	-	-	-	-	-	-
4WN1-13	0,5	0,37		78	70	56	42	23	-	-	-	-	-	-	-	-	-	-
4WN1-19	0,75	0,55		118	105	86	60	30	-	-	-	-	-	-	-	-	-	-
4WN1-26	1	0,75		160	141	117	81	39	-	-	-	-	-	-	-	-	-	-
4WN1-38	1,5	1,1		234	208	169	117	52	-	-	-	-	-	-	-	-	-	-
4WN2-5	0,5	0,37		-	-	32	31	29	27	25	23	19	16	-	-	-	-	-
4WN2-7	0,5	0,37		-	-	43	42	39	36	33	29	26	22	-	-	-	-	-
4WN2-10	0,75	0,55		-	-	64	61	58	54	49	43	36	28	-	-	-	-	-
4WN2-14	1	0,75		-	-	86	83	79	74	67	60	52	42	-	-	-	-	-
4WN2-20	1,5	1,1		-	-	131	127	120	111	101	90	75	60	-	-	-	-	-
4WN3-5	0,5	0,37		-	-	-	32	31	30	29	27	25	23	18	11	-	-	-
4WN3-8	0,75	0,55		-	-	-	51	50	49	46	43	41	38	30	19	-	-	-
4WN3-11	1	0,75		-	-	-	68	66	64	61	58	54	49	38	26	-	-	-
4WN3-16	1,5	1,1		-	-	-	101	98	95	89	83	77	70	54	33	-	-	-
4WN3-21	2	1,5		-	-	-	135	132	127	122	115	108	100	79	49	-	-	-
4WN3-32	3	2,2		-	-	-	200	194	187	177	165	152	138	104	62	-	-	-
4WN4-5	0,5	0,37		-	-	-	-	29	28	27	26	25	24	21	18	13	8	3
4WN4-7	0,75	0,55		-	-	-	-	43	42	41	39	38	36	33	28	22	15	7
4WN4-9	1	0,75		-	-	-	-	55	54	52	51	49	47	43	37	28	20	10
4WN4-14	1,5	1,1		-	-	-	-	87	86	83	81	79	76	68	58	47	33	20
4WN4-18	2	1,5		-	-	-	-	113	111	108	105	102	98	88	75	60	42	25
4WN4-27	3	2,2		-	-	-	-	164	161	157	152	147	141	127	109	87	61	35
4WN4-35	4	3		-	-	-	-	212	208	203	197	191	184	166	145	119	85	46
4WN4-44	5	3,7		-	-	-	-	261	255	249	241	233	223	201	173	140	99	52
4WN4-48	5,5	4		-	-	-	-	289	283	276	267	258	248	225	197	162	120	73
4WN5-4	0,5	0,37		-	-	-	-	-	-	23	22	22	21	19	17	14	11	7
4WN5-6	0,75	0,55		-	-	-	-	-	-	36	35	33	32	30	26	22	18	12
4WN5-8	1	0,75		-	-	-	-	-	-	47	46	44	43	39	35	30	24	18
4WN5-12	1,5	1,1		-	-	-	-	-	-	72	71	69	68	63	57	49	41	31
4WN5-16	2	1,5		-	-	-	-	-	-	98	96	94	92	86	77	68	57	46
4WN5-24	3	2,2		-	-	-	-	-	-	142	139	136	132	122	111	97	80	62
4WN5-32	4	3		-	-	-	-	-	-	188	185	180	175	162	146	127	105	80
4WN5-40	5	3,7		-	-	-	-	-	-	232	227	222	216	202	182	159	131	102
4WN5-44	5,5	4		-	-	-	-	-	-	265	260	254	247	230	210	187	159	127

4WN

4WN



4" borehole centrifugal pumps

Selection table																										
Model	HP	kW	Q=Flow rate																							
			l/min	50	60	70	80	90	100	120	140	160	180	200	220	240	260	280	300	320	340	360	380	400		
			m³/h	3,0	3,6	4,2	4,8	5,4	6,0	7,2	8,4	9,6	10,8	12,0	13,2	14,4	15,6	16,8	18,0	19,2	20,4	21,6	22,8	24,0		
			H=Total head [m]																							
4WN6-7 *	1	0,75		36	34	32	30	28	25	19	11	-	-	-	-	-	-	-	-	-	-	-	-	-		
4WN6-10 *	1,5	1,1		53	51	48	45	41	38	29	18	-	-	-	-	-	-	-	-	-	-	-	-	-		
4WN6-14 *	2	1,5		77	74	71	68	63	59	46	28	-	-	-	-	-	-	-	-	-	-	-	-	-		
4WN6-20 *	3	2,2		107	102	97	92	86	80	62	40	-	-	-	-	-	-	-	-	-	-	-	-	-		
4WN6-27 *	4	3		145	139	131	123	115	107	84	55	-	-	-	-	-	-	-	-	-	-	-	-	-		
4WN6-34 *	5	3,7		178	170	162	153	143	132	103	66	-	-	-	-	-	-	-	-	-	-	-	-	-		
4WN6-36 *	5,5	4		190	181	173	164	154	143	112	72	-	-	-	-	-	-	-	-	-	-	-	-	-		
4WN6-49 *	7,5	5,5		257	246	234	222	209	193	151	96	-	-	-	-	-	-	-	-	-	-	-	-	-		
4WN8-4 *	1	0,75		-	-	-	23	22	21	20	18	16	12	9	-	-	-	-	-	-	-	-	-	-		
4WN8-6 *	1,5	1,1		-	-	-	35	34	33	31	28	24	19	14	-	-	-	-	-	-	-	-	-	-		
4WN8-8 *	2	1,5		-	-	-	47	45	44	41	37	31	25	18	-	-	-	-	-	-	-	-	-	-		
4WN8-13 *	3	2,2		-	-	-	75	73	71	66	59	50	40	30	-	-	-	-	-	-	-	-	-	-		
4WN8-17 *	4	3		-	-	-	98	96	94	87	79	70	58	46	-	-	-	-	-	-	-	-	-	-		
4WN8-21 *	5	3,7		-	-	-	117	114	111	103	93	82	68	52	-	-	-	-	-	-	-	-	-	-		
4WN8-23 *	5,5	4		-	-	-	134	131	127	118	108	95	79	60	-	-	-	-	-	-	-	-	-	-		
4WN8-32 *	7,5	5,5		-	-	-	182	178	172	160	143	125	105	80	-	-	-	-	-	-	-	-	-	-		
4WN10-7 *	1,5	1,1		-	-	-	35	34	33	32	29	26	23	18	14	8	-	-	-	-	-	-	-	-		
4WN10-10 *	2	1,5		-	-	-	49	48	47	44	41	37	32	27	20	13	-	-	-	-	-	-	-	-		
4WN10-14 *	3	2,2		-	-	-	71	69	67	63	58	54	48	40	31	20	-	-	-	-	-	-	-	-		
4WN10-18 *	4	3		-	-	-	92	90	87	83	77	70	62	52	39	26	-	-	-	-	-	-	-	-		
4WN10-22 *	5	3,7		-	-	-	110	107	104	98	91	82	71	58	45	30	-	-	-	-	-	-	-	-		
4WN10-24 *	5,5	4		-	-	-	118	116	113	106	97	88	77	63	49	33	-	-	-	-	-	-	-	-		
4WN10-32 *	7,5	5,5		-	-	-	162	157	153	144	134	122	107	90	70	47	-	-	-	-	-	-	-	-		
4WN12-7 *	2	1,5		-	-	-	-	-	37	36	33	31	28	25	22	18	14	-	-	-	-	-	-	-		
4WN12-10 *	3	2,2		-	-	-	-	-	54	52	48	44	41	36	32	26	20	-	-	-	-	-	-	-		
4WN12-14 *	4	3		-	-	-	-	-	76	72	67	62	56	49	43	35	28	-	-	-	-	-	-	-		
4WN12-17 *	5	3,7		-	-	-	-	-	90	86	80	74	67	59	51	42	32	-	-	-	-	-	-	-		
4WN12-19 *	5,5	4		-	-	-	-	-	102	97	91	89	76	68	58	48	37	-	-	-	-	-	-	-		
4WN12-26 *	7,5	5,5		-	-	-	-	-	136	129	120	111	100	87	75	61	48	-	-	-	-	-	-	-		
4WN12-38 *	1	7,5		-	-	-	-	-	202	192	182	168	150	133	115	95	70	-	-	-	-	-	-	-		
4WN15-8 *	3	2,2		-	-	-	-	-	-	-	39	38	36	34	32	30	28	25	23	20	18	15	12	9		
4WN15-11 *	4	3		-	-	-	-	-	-	-	55	53	50	48	45	42	39	36	33	30	27	23	20	16		
4WN15-13 *	5	3,7		-	-	-	-	-	-	-	65	62	59	56	53	50	47	43	40	36	32	28	24	20		
4WN15-15 *	5,5	4		-	-	-	-	-	-	-	76	73	70	66	62	59	55	51	47	43	39	34	29	25		
4WN15-20 *	7,5	5,5		-	-	-	-	-	-	-	99	95	90	86	81	76	72	67	61	56	50	44	38	32		
4WN15-26 *	1	7,5		-	-	-	-	-	-	-	128	122	115	111	105	100	95	90	85	80	72	67	56	49		

* Models that do not comply with EuP Directive and their sale in EU is restricted exclusively to the kit for fire-fighting units.

4WN - only hydraulic

4" borehole centrifugal pumps (hydraulic only)



Only hydraulic						2 Poles			
Model	Code	HP	kW	DNM	Weight [kg]	Suitable motor for coupling			
						Oil filled OY		Water filled WY	
						1~	3~	1~	3~
4WN1-10	2557010010A	0,5	0,37	G1¼	3,3	1509050000	1509030004	1505050000	1505050004
4WN1-13	2557010013A	0,5	0,37	G1¼	3,7	1509050000	1509030004	1505050000	1505050004
4WN1-19	2557010019A	0,75	0,55	G1¼	4,7	1509070000	1509070004	1505090000	1505090004
4WN1-26	2557010026A	1	0,75	G1¼	5,8	1509100000	1509100004	1505100000	1505100004
4WN1-38	2557010038A	1,5	1,1	G1¼	8,2	1509110000	1509150004	1505150000	1505150004
4WN2-5	2557020005A	0,5	0,37	G1¼	2,5	1509050000	1509030004	1505050000	1505050004
4WN2-7	2557020007A	0,5	0,37	G1¼	2,8	1509050000	1509030004	1505050000	1505050004
4WN2-10	2557020010A	0,75	0,55	G1¼	3,3	1509070000	1509070004	1505090000	1505090004
4WN2-14	2557020014A	1	0,75	G1¼	3,9	1509100000	1509100004	1505100000	1505100004
4WN2-20	2557020020A	1,5	1,1	G1¼	4,9	1509110000	1509150004	1505150000	1505150004
4WN3-5	2557030005A	0,5	0,37	G1¼	2,5	1509050000	1509030004	1505050000	1505050004
4WN3-8	2557030008A	0,75	0,55	G1¼	2,9	1509070000	1509070004	1505090000	1505090004
4WN3-11	2557030011A	1	0,75	G1¼	3,4	1509100000	1509100004	1505100000	1505100004
4WN3-16	2557030016A	1,5	1,1	G1¼	4,2	1509110000	1509150004	1505150000	1505150004
4WN3-21	2557030021A	2	1,5	G1¼	5,0	1509150000	1509200004	1505200000	1505200004
4WN3-32	2557030032A	3	2,2	G1¼	7,1	1509220000	1509300004	1505300000	1505300004
4WN4-5	2557040005A	0,5	0,37	G1¼	2,7	1509050000	1509030004	1505050000	1505050004
4WN4-7	2557040007A	0,75	0,55	G1¼	3,0	1509070000	1509070004	1505090000	1505090004
4WN4-9	2557040009A	1	0,75	G1¼	3,3	1509100000	1509100004	1505100000	1505100004
4WN4-14	2557040014A	1,5	1,1	G1¼	4,1	1509110000	1509150004	1505150000	1505150004
4WN4-18	2557040018A	2	1,5	G1¼	4,7	1509150000	1509200004	1505200000	1505200004
4WN4-27	2557040027A	3	2,2	G1¼	6,2	1509220000	1509300004	1505300000	1505300004
4WN4-35	2557040035A	4	3	G1¼	7,9	-	1509400004	-	1505400004
4WN4-44	2557040044A	5	3,7	G1¼	9,3	-	1509550004	-	1505550004
4WN4-48	2557040048A	5,5	4	G1¼	9,9	-	1509550004	-	1505550004
4WN5-4	2557050004A	0,5	0,37	G1¼	2,4	1509050000	1509030004	1505050000	1505050004
4WN5-6	2557050006A	0,75	0,55	G1¼	2,9	1509070000	1509070004	1505090000	1505090004
4WN5-8	2557050008A	1	0,75	G1¼	3,3	1509100000	1509100004	1505100000	1505100004
4WN5-12	2557050012A	1,5	1,1	G1¼	4,1	1509110000	1509150004	1505150000	1505150004
4WN5-16	2557050016A	2	1,5	G1¼	5,0	1509150000	1509200004	1505200000	1505200004
4WN5-24	2557050024A	3	2,2	G1¼	6,6	1509220000	1509300004	1505300000	1505300004
4WN5-32	2557050032A	4	3	G1¼	8,7	-	1509400004	-	1505400004
4WN5-40	2557050040A	5	3,7	G1¼	10,4	-	1509550004	-	1505550004
4WN5-44	2557050044A	5,5	4	G1¼	11,2	-	1509550004	-	1505550004

See motors on page 214

4WN - only hydraulic



4" borehole centrifugal pumps (hydraulic only)

Only hydraulic						2 Poles			
Model	Code	HP	kW	DNM	Weight [kg]	Suitable motor for coupling			
						Oil filled OY		Water filled WY	
						1~	3~	1~	3~
4WN6-7 *	2557070007	1	0,75	G2	3,7	1509100000	1509100004	1505100000	1505100004
4WN6-10 *	2557070010	1,5	1,1	G2	4,6	1509110000	1509150004	1505150000	1505150004
4WN6-14 *	2557070014	2	1,5	G2	5,7	1509150000	1509200004	1505200000	1505200004
4WN6-20 *	2557070020	3	2,2	G2	7,5	1509220000	1509300004	1505300000	1505300004
4WN6-27 *	2557070027	4	3	G2	9,6	-	1509400004	-	1505400004
4WN6-34 *	2557060034	5	3,7	G2	11,6	-	1509550004	-	1505550004
4WN6-36 *	2557070036	5,5	4	G2	12,2	-	1509550004	-	1505550004
4WN6-49 *	2557070049	7,5	5,5	G2	15,9	-	1509750004	-	1505750004
4WN8-4 *	2557130004	1	0,75	G2	2,8	1509100000	1509100004	1505100000	1505100004
4WN8-6 *	2557130006	1,5	1,1	G2	3,4	1509110000	1509150004	1505150000	1505150004
4WN8-8 *	2557130008	2	1,5	G2	4,0	1509150000	1509200004	1505200000	1505200004
4WN8-13 *	2557130013	3	2,2	G2	5,5	1509220000	1509300004	1505300000	1505300004
4WN8-17 *	2557130017	4	3	G2	6,6	-	1509400004	-	1505400004
4WN8-21 *	2557130021	5	3,7	G2	7,8	-	1509550004	-	1505550004
4WN8-23 *	2557130023	5,5	4	G2	8,4	-	1509550004	-	1505550004
4WN8-32 *	2557130032	7,5	5,5	G2	11,0	-	1509750004	-	1505750004
4WN10-7 *	2557100007	1,5	1,1	G2	5,3	1509110000	1509150004	1505150000	1505150004
4WN10-10 *	2557100010	2	1,5	G2	6,7	1509150000	1509200004	1505200000	1505200004
4WN10-14 *	2557100014	3	2,2	G2	8,5	1509220000	1509300004	1505300000	1505300004
4WN10-18 *	2557100018	4	3	G2	10,4	-	1509400004	-	1505400004
4WN10-22 *	2557100022	5	3,7	G2	12,3	-	1509550004	-	1505550004
4WN10-24 *	2557100024	5,5	4	G2	13,2	-	1509550004	-	1505550004
4WN10-32 *	2557100032	7,5	5,5	G2	17,0	-	1509750004	-	1505750004
4WN12-7 *	2557120007	2	1,5	G2	5,3	1509150000	1509200004	1505200000	1505200004
4WN12-10 *	2557120010	3	2,2	G2	6,7	1509220000	1509300004	1505300000	1505300004
4WN12-14 *	2557120014	4	3	G2	8,6	-	1509400004	-	1505400004
4WN12-17 *	2557120017	5	3,7	G2	10,1	-	1509550004	-	1505550004
4WN12-19 *	2557120019	5,5	4	G2	11,0	-	1509550004	-	1505550004
4WN12-26 *	2557120026	7,5	5,5	G2	14,3	-	1509750004	-	1505750004
4WN12-38 *	2557120038	10	7,5	G2	18,8	-	1509100104	-	1505110004
4WN15-8 *	2557150008	3	2,2	G2	6,3	1509220000	1509300004	1505300000	1505300004
4WN15-11 *	2557150011	4	3	G2	8,1	-	1509400004	-	1505400004
4WN15-13 *	2557150013	5	3,7	G2	9,3	-	1509550004	-	1505550004
4WN15-15 *	2557150015	5,5	4	G2	10,5	-	1509550004	-	1505550004
4WN15-20 *	2557150020	7,5	5,5	G2	13,5	-	1509750004	-	1505750004
4WN15-26 *	2557150026	10	7,5	G2	17,1	-	1509100104	-	1505110004

See motors on page 214

* Models that do not comply with EuP Directive and their sale in EU is restricted exclusively to the kit for fire-fighting units.

4WN

4" borehole pumps for wells + oil filled motor (OF) - EBARA MOTORS

Single phase 230V					2 Poles
Model	Code	HP	kW	DNM	Weight [kg]
4WN1-10/0,37M OF	2557010100	0,37	0,5	G1¼	10,3
4WN1-13/0,37M OF	2557010130	0,37	0,5	G1¼	10,8
4WN1-19/0,55M OF	2557010190	0,55	0,75	G1¼	12,3
4WN1-26/0,75M OF	2557010260	0,75	1	G1¼	14,5
4WN1-38/1,1M OF	2557010380	1,1	1,5	G1¼	18,3
4WN2-5/0,37M OF	2557020050	0,37	0,5	G1¼	9,5
4WN2-7/0,37M OF	2557020070	0,37	0,5	G1¼	9,8
4WN2-10/0,55M OF	2557020100	0,55	0,75	G1¼	10,9
4WN2-14/0,75M OF	2557020140	0,75	1	G1¼	12,6
4WN2-20/1,1M OF	2557020200	1,1	1,5	G1¼	15,2
4WN3-5/0,37M OF	2557030050	0,37	0,5	G1¼	9,5
4WN3-8/0,55M OF	2557030080	0,55	0,75	G1¼	10,5
4WN3-11/0,75M OF	2557030110	0,75	1	G1¼	12,1
4WN3-16/1,1M OF	2557030160	1,1	1,5	G1¼	14,5
4WN3-21/1,5M OF	2557030210	1,5	2	G1¼	17
4WN3-32/2,2M OF	2557030320	2,2	3	G1¼	21,3
4WN4-5/0,37M OF	2557040050	0,37	0,5	G1¼	9,7
4WN4-7/0,55M OF	2557040070	0,55	0,75	G1¼	10,6
4WN4-9/0,75M OF	2557040090	0,75	1	G1¼	12
4WN4-14/1,1M OF	2557040140	1,1	1,5	G1¼	14,4
4WN4-18/1,5M OF	2557040180	1,5	2	G1¼	16,7
4WN4-27/2,2M OF	2557040270	2,2	3	G1¼	20,4
4WN5-4/0,37M OF	2557050400	0,37	0,5	G1½	9,4
4WN5-6/0,55M OF	2557050060	0,55	0,75	G1½	10,5
4WN5-8/0,75M OF	2557050080	0,75	1	G1½	12
4WN5-12/1,1M OF	2557050120	1,1	1,5	G1½	14,4
4WN5-16/1,5M OF	2557050160	1,5	2	G1½	17
4WN5-24/2,2M OF	2557050240	2,2	3	G1½	20,8
4WN6-7/0,75M OF *	2557070070	0,75	1	G2	12,4
4WN6-10/1,1M OF *	2557070100	1,1	1,5	G2	14,9
4WN6-14/1,5M OF *	2557070140	1,5	2	G2	17,7
4WN6-20/2,2M OF *	2557070200	2,2	3	G2	21,7
4WN8-4/0,75M OF *	2557130040	0,75	1	G2	11,5
4WN8-6/1,1M OF *	2557130060	1,1	1,5	G2	13,7
4WN8-8/1,5M OF *	2557130080	1,5	2	G2	16
4WN8-13/2,2M OF *	2557130130	2,2	3	G2	19,7
4WN10-7/1,1M OF *	2557100070	1,1	1,5	G2	15,6
4WN10-10/1,5M OF *	2557100100	1,5	2	G2	18,7
4WN10-14/2,2M OF *	2557100140	2,2	3	G2	22,7
4WN12-7/1,5M OF *	2557120070	1,5	2	G2	17,3
4WN12-10/2,2M OF *	2557120100	2,2	3	G2	20,9
4WN15-8/2,2M OF *	2557150080	2,2	3	G2	20,5

OF: oil filled motor

* Models that do not comply with EuP Directive and their sale in EU is restricted exclusively to the kit for fire-fighting units.

4WN



4" borehole pumps for wells + oil filled motor (OF) - EBARA MOTORS

Three phase 400V					2 Poles
Model	Code	HP	kW	DNM	Weight [kg]
4WN1-10/0,37T OF	2557010104	0,37	0,5	G1¼	9,8
4WN1-13/0,37T OF	2557010134	0,37	0,5	G1¼	10,3
4WN1-19/0,55T OF	2557010194	0,55	0,75	G1¼	11,7
4WN1-26/0,75T OF	2557010264	0,75	1	G1¼	13,4
4WN1-38/1,1T OF	2557010384	1,1	1,5	G1¼	16,7
4WN2-5/0,37T OF	2557020054	0,37	0,5	G1¼	9
4WN2-7/0,37T OF	2557020074	0,37	0,5	G1¼	9,3
4WN2-10/0,55T OF	2557020104	0,55	0,75	G1¼	10,3
4WN2-14/0,75T OF	2557020144	0,75	1	G1¼	11,5
4WN2-20/1,1T OF	2557020204	1,1	1,5	G1¼	13,6
4WN3-5/0,37T OF	2557030054	0,37	0,5	G1¼	9
4WN3-8/0,55T OF	2557030084	0,55	0,75	G1¼	9,9
4WN3-11/0,75T OF	2557030114	0,75	1	G1¼	11
4WN3-16/1,1T OF	2557030164	1,1	1,5	G1¼	12,9
4WN3-21/1,5T OF	2557030214	1,5	2	G1¼	15,4
4WN3-32/2,2T OF	2557030324	2,2	3	G1¼	19,1
4WN4-5/0,37T OF	2557040054	0,37	0,5	G1¼	9,2
4WN4-7/0,55T OF	2557040074	0,55	0,75	G1¼	10
4WN4-9/0,75T OF	2557040094	0,75	1	G1¼	10,9
4WN4-14/1,1T OF	2557040144	1,1	1,5	G1¼	12,8
4WN4-18/1,5T OF	2557040184	1,5	2	G1¼	15,1
4WN4-27/2,2T OF	2557040274	2,2	3	G1¼	18,2
4WN4-35/3T OF	2557040354	3	4	G1½	21
4WN4-44/3,7T OF	2557040444	3,7	5	G1½	24,9
4WN4-48/4T OF	2557040484	4	5,5	G1½	25,5
4WN5-4/0,37T OF	2557051404	0,37	0,5	G1½	8,9
4WN5-6/0,55T OF	2557050064	0,55	0,75	G1½	9,9
4WN5-8/0,75T OF	2557050084	0,75	1	G1½	10,9
4WN5-12/1,1T OF	2557050124	1,1	1,5	G1¼	12,8
4WN5-16/1,5T OF	2557050164	1,5	2	G1¼	15,4
4WN5-24/2,2T OF	2557050244	2,2	3	G1¼	18,6
4WN5-32/3T OF	2557050324	3	4	G1¼	21,8
4WN5-40/3,7T OF	2557050404	3,7	5	G1¼	26
4WN5-44/4T OF	2557050444	4	5,5	G1¼	26,8
4WN6-7/0,75T OF *	2557070074	0,75	1	2	11,3
4WN6-10/1,1T OF *	2557070104	1,1	1,5	2	13,3
4WN6-14/1,5T OF *	2557070144	1,5	2	2	16,1
4WN6-20/2,2T OF *	2557070204	2,2	3	2	19,5
4WN6-27/3T OF *	2557070274	3	4	2	22,7
4WN6-34/3,7T OF *	2557060344	3,7	5	2	27,2
4WN6-36/4T OF *	2557070364	4	5,5	2	27,8
4WN6-49/5,5T OF *	2557070494	5,5	7,5	2	34,8

OF: oil filled motor

* Models that do not comply with EuP Directive and their sale in EU is restricted exclusively to the kit for fire-fighting units.

4WN



4" borehole pumps for wells + oil filled motor (OF) - EBARA MOTORS

Three phase 400V					2 Poles
Model	Code	HP	kW	DNM	Weight [kg]
4WN8-4/0,75T OF *	2557130044	0,75	1	2	10,4
4WN8-6/1,1T OF *	2557130064	1,1	1,5	2	12,1
4WN8-8/1,5T OF *	2557130084	1,5	2	2	14,4
4WN8-13/2,2T OF *	2557130134	2,2	3	2	17,5
4WN8-17/3T OF *	2557130174	3	4	2	19,7
4WN8-21/3,7T OF *	2557130214	3,7	5	2	23,4
4WN8-23/4T OF *	2557130234	4	5,5	2	24
4WN8-32/5,5T OF *	2557130324	5,5	7,5	2	29,9
4WN10-7/1,1T OF *	2557100074	1,1	1,5	2	14
4WN10-10/1,5T OF *	2557100104	1,5	2	2	17,1
4WN10-14/2,2T OF *	2557100144	2,2	3	2	20,5
4WN10-18/3T OF *	2557100184	3	4	2	23,5
4WN10-22/3,7T OF *	2557100224	3,7	5	2	27,9
4WN10-24/4T OF *	2557100244	4	5,5	2	28,8
4WN10-32/5,5T OF *	2557100324	5,5	7,5	2	35,9
4WN12-7/1,5T OF *	2557120074	1,5	2	2	15,7
4WN12-10/2,2T OF *	2557120104	2,2	3	2	18,7
4WN12-14/3T OF *	2557120144	3	4	2	21,7
4WN12-17/3,7T OF *	2557120174	3,7	5	2	25,7
4WN12-19/4T OF *	2557120194	4	5,5	2	26,6
4WN12-26/5,5T OF *	2557120264	5,5	7,5	2	33,2
4WN12-38/7,5T OF *	2557120384	7,5	10	2	45,8
4WN15-8/2,2T OF *	2557150084	2,2	3	2	18,3
4WN15-11/3T OF *	2557150114	3	4	2	21,2
4WN15-13/3,7T OF *	2557150134	3,7	5	2	24,9
4WN15-15/4T OF *	2557150154	4	5,5	2	26,1
4WN15-20/5,5T OF *	2557150204	5,5	7,5	2	32,4
4WN15-26/7,5T OF *	2557150264	7,5	10	2	44,1

OF: oil filled motor

* Models that do not comply with EuP Directive and their sale in EU is restricted exclusively to the kit for fire-fighting units.

4WN



4" borehole pumps for wells + water filled motor (WF) - EBARA MOTORS

Single phase 230V					2 Poles
Model	Code	HP	kW	DNM	Weight [kg]
4WN1-10/0,37M WF	2587010100	0,37	0,5	G1¼	10,1
4WN1-13/0,37M WF	2587010130	0,37	0,5	G1¼	10,6
4WN1-19/0,55M WF	2587010190	0,55	0,75	G1¼	12,8
4WN1-26/0,75M WF	2587010260	0,75	1	G1¼	16,4
4WN1-38/1,1M WF	2587010380	1,1	1,5	G1¼	19,2
4WN2-5/0,37M WF	2587020050	0,37	0,5	G1¼	9,3
4WN2-7/0,37M WF	2587020070	0,37	0,5	G1¼	9,6
4WN2-10/0,55M WF	2587020100	0,55	0,75	G1¼	11,4
4WN2-14/0,75M WF	2587020140	0,75	1	G1¼	14,5
4WN2-20/1,1M WF	2587020200	1,1	1,5	G1¼	16,1
4WN3-5/0,37M WF	2587030050	0,37	0,5	G1¼	9,3
4WN3-8/0,55M WF	2587030080	0,55	0,75	G1¼	11
4WN3-11/0,75M WF	2587030110	0,75	1	G1¼	14
4WN3-16/1,1M WF	2587030160	1,1	1,5	G1¼	15,4
4WN3-21/1,5M WF	2587030210	1,5	2	G1¼	19
4WN3-32/2,2M WF	2587030320	2,2	3	G1¼	23,5
4WN4-5/0,37M WF	2587040050	0,37	0,5	G1¼	9,5
4WN4-7/0,55M WF	2587040070	0,55	0,75	G1¼	11,1
4WN4-9/0,75M WF	2587040090	0,75	1	G1¼	13,9
4WN4-14/1,1M WF	2587040140	1,1	1,5	G1¼	15,3
4WN4-18/1,5M WF	2587040180	1,5	2	G1¼	18,7
4WN4-27/2,2M WF	2587040270	2,2	3	G1¼	22,6
4WN5-4/0,37M WF	2587050040	0,37	0,5	G1½	9,2
4WN5-6/0,55M WF	2587050060	0,55	0,75	G1½	11
4WN5-8/0,75M WF	2587050080	0,75	1	G1½	13,9
4WN5-12/1,1M WF	2587050120	1,1	1,5	G1½	15,3
4WN5-16/1,5M WF	2587050160	1,5	2	G1½	19
4WN5-24/2,2M WF	2587050240	2,2	3	G1½	23
4WN6-7/0,75M WF *	2587070070	0,75	1	G2	14,3
4WN6-10/1,1M WF *	2587070100	1,1	1,5	G2	15,8
4WN6-14/1,5M WF *	2587070140	1,5	2	G2	19,7
4WN6-20/2,2M WF *	2587070200	2,2	3	G2	23,9
4WN8-4/0,75M WF *	2587130040	0,75	1	G2	13,4
4WN8-6/1,1M WF *	2587130060	1,1	1,5	G2	14,6
4WN8-8/1,5M WF *	2587130080	1,5	2	G2	18
4WN8-13/2,2M WF *	2587130130	2,2	3	G2	21,9
4WN10-7/1,1M WF *	2587100070	1,1	1,5	G2	16,5
4WN10-10/1,5M WF *	2587100100	1,5	2	G2	20,7
4WN10-14/2,2M WF *	2587100140	2,2	3	G2	24,9
4WN12-7/1,5M WF *	2587120070	1,5	2	G2	19,3
4WN12-10/2,2M WF *	2587120100	2,2	3	G2	23,1
4WN15-8/2,2M WF *	2587150080	2,2	3	G2	22,7

WF: water filled motor

* Models that do not comply with EuP Directive and their sale in EU is restricted exclusively to the kit for fire-fighting units.

4WN

4" borehole pumps for wells + water filled motor (WF) - EBARA MOTORS

Three phase 400V					2 Poles
Model	Code	HP	kW	DNM	Weight [kg]
4WN1-10/0,37T WF	2587010104	0,37	0,5	G1¼	9,1
4WN1-13/0,37T WF	2587010134	0,37	0,5	G1¼	9,6
4WN1-19/0,55T WF	2587010194	0,55	0,75	G1¼	11,7
4WN1-26/0,75T WF	2587010264	0,75	1	G1¼	14,1
4WN1-38/1,1T WF	2587010384	1,1	1,5	G1¼	18,9
4WN2-5/0,37T WF	2587020054	0,37	0,5	G1¼	8,3
4WN2-7/0,37T WF	2587020074	0,37	0,5	G1¼	8,6
4WN2-10/0,55T WF	2587020104	0,55	0,75	G1¼	10,3
4WN2-14/0,75T WF	2587020144	0,75	1	G1¼	12,2
4WN2-20/1,1T WF	2587020204	1,1	1,5	G1¼	15,8
4WN3-5/0,37T WF	2587030054	0,37	0,5	G1¼	8,3
4WN3-8/0,55T WF	2587030084	0,55	0,75	G1¼	9,9
4WN3-11/0,75T WF	2587030114	0,75	1	G1¼	11,7
4WN3-16/1,1T WF	2587030164	1,1	1,5	G1¼	15,1
4WN3-21/1,5T WF	2587030214	1,5	2	G1¼	16,4
4WN3-32/2,2T WF	2587030324	2,2	3	G1¼	21,3
4WN4-5/0,37T WF	2587040054	0,37	0,5	G1¼	8,5
4WN4-7/0,55T WF	2587040074	0,55	0,75	G1¼	10
4WN4-9/0,75T WF	2587040094	0,75	1	G1¼	11,6
4WN4-14/1,1T WF	2587040144	1,1	1,5	G1¼	15
4WN4-18/1,5T WF	2587040184	1,5	2	G1¼	16,1
4WN4-27/2,2T WF	2587040274	2,2	3	G1¼	20,4
4WN4-35/3T WF	2587040354	3	4	G1½	26,2
4WN4-44/3,7T WF	2587040444	3,7	5	G1½	32,7
4WN4-48/4T WF	2587040484	4	5,5	G1½	33,3
4WN5-4/0,37T WF	2587050044	0,37	0,5	G1½	8,2
4WN5-6/0,55T WF	2587050064	0,55	0,75	G1½	9,9
4WN5-8/0,75T WF	2587050084	0,75	1	G1½	11,6
4WN5-12/1,1T WF	2587050124	1,1	1,5	G1¼	15
4WN5-16/1,5T WF	2587050164	1,5	2	G1¼	16,4
4WN5-24/2,2T WF	2587050244	2,2	3	G1¼	20,8
4WN5-32/3T WF	2587050324	3	4	G1¼	27
4WN5-40/3,7T WF	2587050404	3,7	5	G1¼	33,8
4WN5-44/4T WF	2587050444	4	5,5	G1¼	34,6
4WN6-7/0,75T WF *	2587070074	0,75	1	2	12
4WN6-10/1,1T WF *	2587070104	1,1	1,5	2	15,5
4WN6-14/1,5T WF *	2587070144	1,5	2	2	17,1
4WN6-20/2,2T WF *	2587070204	2,2	3	2	21,7
4WN6-27/3T WF *	2587070274	3	4	2	27,9
4WN6-34/3,7T WF *	2587060344	3,7	5	2	35
4WN6-36/4T WF *	2587070364	4	5,5	2	35,6
4WN6-49/5,5T WF *	2587070494	5,5	7,5	2	45,3

WF: water filled motor

* Models that do not comply with EuP Directive and their sale in EU is restricted exclusively to the kit for fire-fighting units.

4WN



4" borehole pumps for wells + water filled motor (WF) - EBARA MOTORS

Three phase 400V					2 Poles
Model	Code	HP	kW	DNM	Weight [kg]
4WN8-4/0,75T WF *	2587130044	0,75	1	2	11,1
4WN8-6/1,1T WF *	2587130064	1,1	1,5	2	14,3
4WN8-8/1,5T WF *	2587130084	1,5	2	2	15,4
4WN8-13/2,2T WF *	2587130134	2,2	3	2	19,7
4WN8-17/3T WF *	2587130174	3	4	2	24,9
4WN8-21/3,7T WF *	2587130214	3,7	5	2	31,2
4WN8-23/4T WF *	2587130234	4	5,5	2	31,8
4WN8-32/5,5T WF *	2587130324	5,5	7,5	2	40,4
4WN10-7/1,1T WF *	2587100074	1,1	1,5	2	16,2
4WN10-10/1,5T WF *	2587100104	1,5	2	2	18,1
4WN10-14/2,2T WF *	2587100144	2,2	3	2	22,7
4WN10-18/3T WF *	2587100184	3	4	2	28,7
4WN10-22/3,7T WF *	2587100224	3,7	5	2	35,7
4WN10-24/4T WF *	2587100244	4	5,5	2	36,6
4WN10-32/5,5T WF *	2587100324	5,5	7,5	2	46,4
4WN12-7/1,5T WF *	2587120074	1,5	2	2	16,7
4WN12-10/2,2T WF *	2587120104	2,2	3	2	20,9
4WN12-14/3T WF *	2587120144	3	4	2	26,9
4WN12-17/3,7T WF *	2587120174	3,7	5	2	33,5
4WN12-19/4T WF *	2587120194	4	5,5	2	34,4
4WN12-26/5,5T WF *	2587120264	5,5	7,5	2	43,7
4WN12-38/7,5T WF *	2587120384	7,5	10	2	52,6
4WN15-8/2,2T WF *	2587150084	2,2	3	2	20,5
4WN15-11/3T WF *	2587150114	3	4	2	26,4
4WN15-13/3,7T WF *	2587150134	3,7	5	2	32,7
4WN15-15/4T WF *	2587150154	4	5,5	2	33,9
4WN15-20/5,5T WF *	2587150204	5,5	7,5	2	42,9
4WN15-26/7,5T WF *	2587150264	7,5	10	2	50,9

WF: water filled motor

* Models that do not comply with EuP Directive and their sale in EU is restricted exclusively to the kit for fire-fighting units.

4WN



4" borehole pump sets for wells with 2-wire oil filled (OF) - EBARA MOTORS

Single phase 230V 2-wire

Model	Code	HP	kW
4WN1-10/0,37M OF 2-wire	2559101000	0,5	0,37
4WN1-13/0,37M OF 2-wire	2559101300	0,5	0,37
4WN1-19/0,55M OF 2-wire	2559101900	0,75	0,55
4WN1-26/0,75M OF 2-wire	2559102600	1	0,75
4WN1-38/1,1M OF 2-wire	2559103800	1,5	1,1
4WN2-5/0,37M OF 2-wire	2559200500	0,5	0,37
4WN2-7/0,37M OF 2-wire	2559200700	0,5	0,37
4WN2-10/0,55M OF 2-wire	2559201000	0,75	0,55
4WN2-14/0,75M OF 2-wire	2559201400	1	0,75
4WN2-20/1,1M OF 2-wire	2559202000	1,5	1,1
4WN3-5/0,37M OF 2-wire	2559300500	0,5	0,37
4WN3-8/0,55M OF 2-wire	2559300800	0,75	0,55
4WN3-11/0,75M OF 2-wire	2559301100	1	0,75
4WN3-16/1,1M OF 2-wire	2559301600	1,5	1,1
4WN4-5/0,37M OF 2-wire	2559400500	0,5	0,37
4WN4-7/0,55M OF 2-wire	2559400700	0,75	0,55
4WN4-9/0,75M OF 2-wire	2559400900	1	0,75
4WN4-14/1,1M OF 2-wire	2559401400	1,5	1,1
4WN5-4/0,37M OF 2-wire	2559500400	0,5	0,37
4WN5-6/0,55M OF 2-wire	2559500600	0,75	0,55
4WN5-8/0,75M OF 2-wire	2559500800	1	0,75
4WN5-12/1,1M OF 2-wire	2559501200	1,5	1,1
4WN6-7/0,75M OF 2-wire *	2559600700	1	0,75
4WN6-10/1,1M OF 2-wire *	2559601000	1,5	1,1
4WN8-4/0,75M OF 2-wire *	2559600400	1	0,75
4WN8-6/1,1M OF 2-wire *	2559600600	1,5	1,1
4WN10-7/1,1M OF 2-wire *	2559700700	1,5	1,1

Single phase 230V 2-wire

Model	Code	HP	kW
4WN1-10/0,37M WF 2-wire	2559191000	0,5	0,37
4WN1-13/0,37M WF 2-wire	2559191300	0,5	0,37
4WN1-19/0,55M WF 2-wire	2559191900	0,75	0,55
4WN1-26/0,75M WF 2-wire	2559192600	1	0,75
4WN1-38/1,1M WF 2-wire	2559193800	1,5	1,1
4WN2-5/0,37M WF 2-wire	2559290500	0,5	0,37
4WN2-7/0,37M WF 2-wire	2559290700	0,5	0,37
4WN2-10/0,55M WF 2-wire	2559291000	0,75	0,55
4WN2-14/0,75M WF 2-wire	2559291400	1	0,75
4WN2-20/1,1M WF 2-wire	2559292000	1,5	1,1
4WN3-5/0,37M WF 2-wire	2559390500	0,5	0,37
4WN3-8/0,55M WF 2-wire	2559390800	0,75	0,55
4WN3-11/0,75M WF 2-wire	2559391100	1	0,75
4WN3-16/1,1M WF 2-wire	2559391600	1,5	1,1
4WN4-5/0,37M WF 2-wire	2559490500	0,5	0,37
4WN4-7/0,55M WF 2-wire	2559490700	0,75	0,55
4WN4-9/0,75M WF 2-wire	2559490900	1	0,75
4WN4-14/1,1M WF 2-wire	2559491400	1,5	1,1
4WN5-4/0,37M WF 2-wire	2559590400	0,5	0,37
4WN5-6/0,55M WF 2-wire	2559590600	0,75	0,55
4WN5-8/0,75M WF 2-wire	2559590800	1	0,75
4WN5-12/1,1M WF 2-wire	2559591200	1,5	1,1
4WN6-7/0,75M WF 2-wire *	2559690700	1	0,75
4WN6-10/1,1M WF 2-wire *	2559691000	1,5	1,1
4WN8-4/0,75M WF 2-wire *	2559690400	1	0,75
4WN8-6/1,1M WF 2-wire *	2559690600	1,5	1,1
4WN10-7/1,1M WF 2-wire *	2559790700	1,5	1,1

* Models that do not comply with EuP Directive and their sale in EU is restricted exclusively to the kit for fire-fighting units.

4WN

4" borehole centrifugal pumps with oil filled motor - EBARA MOTORS



Single phase 220/230V

2 Poles

Model	Code	HP	kW	Q=Flow rate											DNM	Weight [kg]
				l/min	15	20	25	35	40	50	60	70	80	100		
				m ³ /h	0,9	1,2	1,5	2,1	2,4	3,0	3,6	4,2	4,8	6,0		
4WN2-7/0,37M OF	2588020007	0,5	0,37		43	42	39	33	29	22	-	-	-	-	G1¼	9,8
4WN2-10/0,55M OF	2588020010	0,75	0,55		64	61	58	49	43	28	-	-	-	-	G1¼	10,9
4WN2-14/0,75M OF	2588020014	1	0,75		86	83	79	67	60	42	-	-	-	-	G1¼	12,6
4WN2-20/1,1M OF	2588020020	1,5	1,1		131	127	120	101	90	60	-	-	-	-	G1¼	15,2
4WN3-8/0,55M OF	2588030008	0,75	0,55		-	51	50	46	43	38	30	19	-	-	G1¼	10,5
4WN3-11/0,75M OF	2588030011	1	0,75		-	68	66	61	58	49	38	26	-	-	G1¼	12,1
4WN3-16/1,1M OF	2588030016	1,5	1,1		-	101	98	89	83	70	54	33	-	-	G1¼	14,5
4WN3-21/1,5M OF	2588030021	2	1,5		-	135	132	122	115	100	79	49	-	-	G1¼	17,0
4WN4-9/0,75M OF	2588040009	1	0,75		-	-	55	52	51	47	43	37	28	10	G1¼	12,0
4WN4-14/1,1M OF	2588040014	1,5	1,1		-	-	87	83	81	76	68	58	47	20	G1¼	14,4
4WN4-18/1,5M OF	2588040018	2	1,5		-	-	113	108	105	98	88	75	60	25	G1¼	16,7
4WN5-12/1,1M OF	2588050012	1,5	1,1		-	-	-	72	71	68	63	57	49	31	G1¼	14,4
4WN5-16/1,5M OF	2588050016	2	1,5		-	-	-	98	96	92	86	77	68	46	G1¼	17,0

4BHS



4" borehole centrifugal pumps completely in AISI 304 (hydraulic only)

Reliable, sturdy to corrosion, and high efficiency thanks to smooth surface of impeller and diffuser. Suitable for domestic water, irrigation for agriculture and industrial application, firefighting and boosters, car washing and clean water handling. 4" motor connection as NEMA standards.



Low noise



Practical and easy to use



Sturdy design, corrosion resistant

Materials

External casing	AISI 304
Impeller	AISI 304
Shaft	AISI 316
Discharge casing	AISI 304
Motor connection	AISI 304

Technical data

Max. immersion	350 m water filled motor 150 m oil filled motor
Max. temperature of the liquid	30°C
Max. sand content	50 ppm
Poles	2
Insulation class	B (water filled motor) F (oil filled motor)
Protection degree	IP 58 (OY), IP 68 (WY)
Voltage	Single phase 230V (±10%) OYM Three phase 380-415V (±10%) OY Single phase 230V (-10%+6%) WYM Three phase 380-415V (-10%+6%) WY

Accessories



Cables
Page 381 - **Quadripolar cables**



Capacitors
Page 381 - **Capacitors 450V**



Floats
Page 379 - **Key floats with counterweight**



Control panels and Control systems
Page 366 - **Presscomfort**
Pressure regulator
Page 364 - **E-power**
Variable speed control systems
Page 362 - **E-drive**
Variable speed control systems
Page 366 - **Control panels**
Q - 1EP-E - QA50/B - QA60/C - SMART

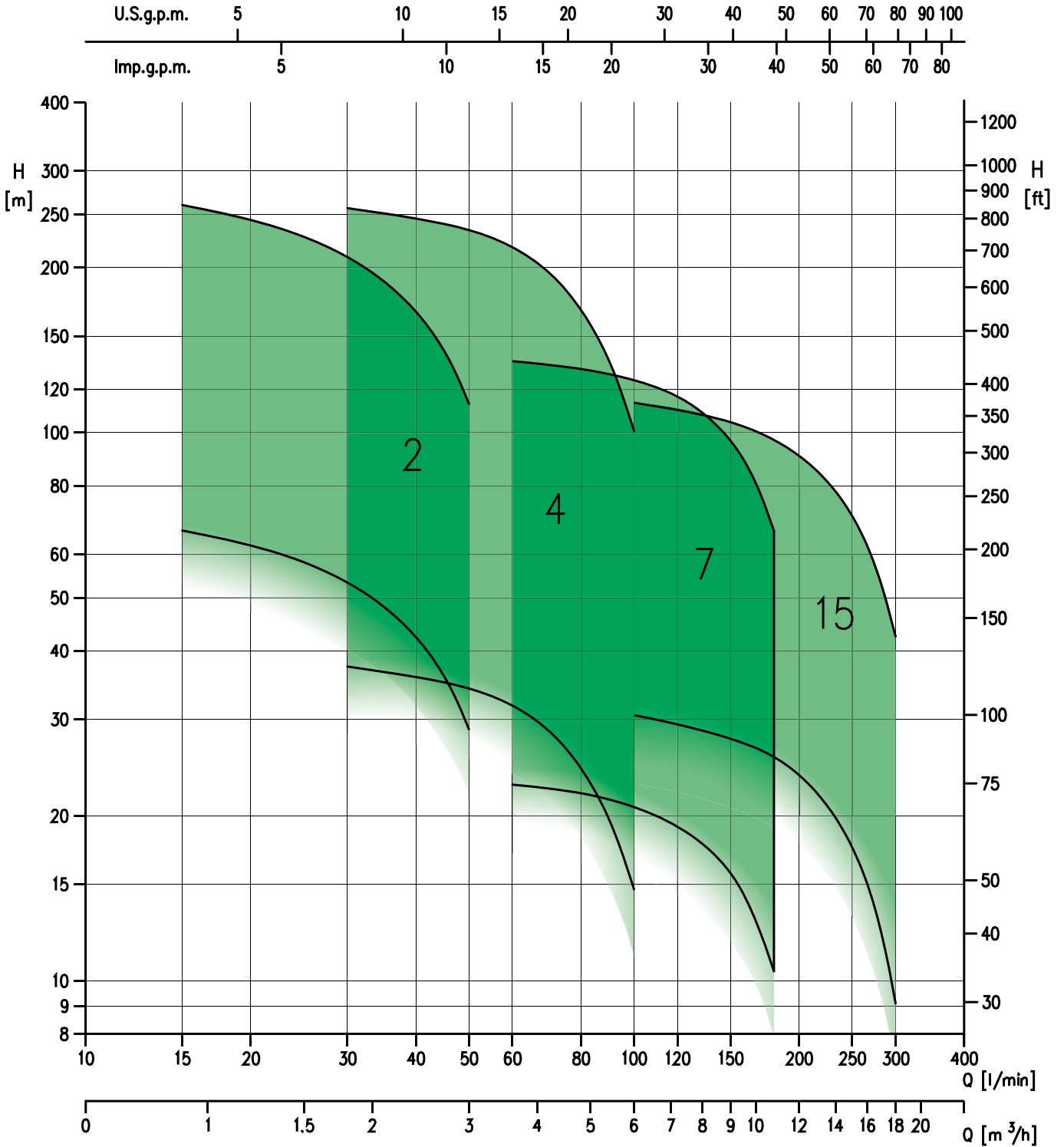


Cooling sleeve
Page 382 - **Cooling sleeve for 4" borehole pumps**

4BHS



4" borehole centrifugal pumps completely in AISI 304 (hydraulic only)



4BHS

4BHS



4" borehole centrifugal pumps completely in AISI 304 (hydraulic only)

Performance table																	
Model	HP	kW	Q=Flow rate														
			l/min	15	20	30	40	50	60	80	100	120	150	180	220	260	300
			m ³ /h	0,9	1,2	1,8	2,4	3	3,6	4,8	6	7,2	9	10,8	13,2	15,6	18
			H=Total head [m]														
4BHS/A 2-13	0,75	0,55		66,5	62,5	53,5	42,5	28,6	-	-	-	-	-	-	-	-	-
4BHS/A 2-18	1	0,75		92,0	86,0	74,0	58,5	39,6	-	-	-	-	-	-	-	-	-
4BHS/A 2-27	1,5	1,1		138,0	129,0	111,0	88,0	59,5	-	-	-	-	-	-	-	-	-
4BHS/A 2-36	2	1,5		184,0	172,0	148,0	117,0	79,0	-	-	-	-	-	-	-	-	-
4BHS/A 2-44	3	2,2		224,0	211,0	180,0	143,0	97,0	-	-	-	-	-	-	-	-	-
4BHS/A 2-51	3	2,2		260,0	244,0	209,0	166,0	112,0	-	-	-	-	-	-	-	-	-
4BHS/A 4-7	0,75	0,55		-	-	37,5	35,8	34,2	31,8	24,4	14,7	-	-	-	-	-	-
4BHS/A 4-10	1	0,75		-	-	53,5	51,0	49,0	45,5	34,9	21,0	-	-	-	-	-	-
4BHS/A 4-15	1,5	1,1		-	-	80,5	77,0	73,0	68,0	52,5	31,5	-	-	-	-	-	-
4BHS/A 4-20	2	1,5		-	-	107,0	102,0	97,5	91,0	70,0	42,0	-	-	-	-	-	-
4BHS/A 4-24	3	2,2		-	-	128,0	123,0	117,0	109,0	84,0	50,5	-	-	-	-	-	-
4BHS/A 4-29	3	2,2		-	-	155,0	148,0	142,0	132,0	101,0	61,0	-	-	-	-	-	-
4BHS/A 4-36	4	3		-	-	193,0	184,0	176,0	163,0	126,0	75,5	-	-	-	-	-	-
4BHS/A 4-48	5,5	4		-	-	257,0	246,0	234,0	218,0	168,0	101,0	-	-	-	-	-	-
4BHS/A 7-4	1	0,75		-	-	-	-	-	22,8	22,0	20,8	19,1	15,7	10,4	-	-	-
4BHS/A 7-7	1,5	1,1		-	-	-	-	-	39,9	38,5	36,3	33,5	27,5	18,2	-	-	-
4BHS/A 7-10	2	1,5		-	-	-	-	-	57,0	55,0	52,0	48,0	39,3	26,0	-	-	-
4BHS/A 7-12	3	2,2		-	-	-	-	-	68,5	66,0	62,5	57,5	47,0	31,3	-	-	-
4BHS/A 7-14	3	2,2		-	-	-	-	-	80,0	77,0	72,5	67,0	55,0	36,5	-	-	-
4BHS/A 7-18	4	3		-	-	-	-	-	106,0	102,0	97,5	91,0	75,5	52,0	-	-	-
4BHS/A 7-23	5,5	4		-	-	-	-	-	135,0	131,0	125,0	116,0	96,5	66,0	-	-	-
4BHS/A 15-7 *	2	1,5		-	-	-	-	-	-	-	30,5	29,3	27,7	25,6	21,5	16,0	9,1
4BHS/A 15-10 *	3	2,2		-	-	-	-	-	-	-	43,5	42,0	39,5	36,6	30,7	22,9	13,0
4BHS/A 15-13 *	4	3		-	-	-	-	-	-	-	59,0	57,5	54,5	50,5	43,5	34,1	22,1
4BHS/A 15-17 *	5,5	4		-	-	-	-	-	-	-	77,0	75,0	71,0	66,0	57,0	44,5	28,9
4BHS/A 15-25 *	7,5	5,5		-	-	-	-	-	-	-	114,0	110,0	105,0	97,0	83,5	65,5	42,5

* Models that do not comply with EuP Directive and their sale in EU is restricted exclusively to the kit for fire-fighting units.

4BHS



4" borehole centrifugal pumps completely in AISI 304 (hydraulic only)

2 Poles									
Model	Code	HP	kW	DNM	Weight [kg]	Suitable motor for coupling			
						Oil filled OY		Water filled WY	
						1~	3~	1~	3~
4BHS/A 2-13	3501031013A	0,75	0,55	G1¼	6,6	1509070000	1509070004	1505090000	1505090004
4BHS/A 2-18	3501051018A	1	0,75	G1¼	8,3	1509100000	1509100004	1505100000	1505100004
4BHS/A 2-27	3501071027A	1,5	1,1	G1¼	11,0	1509110000	1509150004	1505150000	1505150004
4BHS/A 2-36	3501081036A	2	1,5	G1¼	13,8	1509150000	1509200004	1505200000	1505200004
4BHS/A 2-44	3501101044A	3	2,2	G1¼	16,5	1509220100	1509300004	1505300000	1505300004
4BHS/A 2-51	3501101051A	3	2,2	G1¼	18,7	1509220100	1509300004	1505300000	1505300004
4BHS/A 4-7	3502031007A	0,75	0,55	G1½	4,4	1509070000	1509070004	1505090000	1505090004
4BHS/A 4-10	3502051010A	1	0,75	G1½	5,5	1509100000	1509100004	1505100000	1505100004
4BHS/A 4-15	3502071015A	1,5	1,1	G1½	7,2	1509110000	1509150004	1505150000	1505150004
4BHS/A 4-20	3502081020A	2	1,5	G1½	8,3	1509150000	1509200004	1505200000	1505200004
4BHS/A 4-24	3502101024A	3	2,2	G1½	9,9	1509220100	1509300004	1505300000	1505300004
4BHS/A 4-29	3502101029A	3	2,2	G1½	11,5	1509220100	1509300004	1505300000	1505300004
4BHS/A 4-36	3502111036A	4	3	G1½	14,3	-	1509400004	-	1505400004
4BHS/A 4-48	3502121048A	5,5	4	G1½	17,6	-	1509550004	-	1505550004
4BHS/A 7-4	3503051004A	1	0,75	G2	4,2	1509100000	1509100004	1505100000	1505100004
4BHS/A 7-7	3503071007A	1,5	1,1	G2	5,0	1509110000	1509150004	1505150000	1505150004
4BHS/A 7-10	3503081010A	2	1,5	G2	6,6	1509150000	1509200004	1505200000	1505200004
4BHS/A 7-12	3503101012A	3	2,2	G2	7,7	1509220100	1509300004	1505300000	1505300004
4BHS/A 7-14	3503101014A	3	2,2	G2	8,3	1509220100	1509300004	1505300000	1505300004
4BHS/A 7-18	3503111018A	4	3	G2	9,9	-	1509400004	-	1505400004
4BHS/A 7-23	3503121023A	5,5	4	G2	11,5	-	1509550004	-	1505550004
4BHS/A 15-7 *	3504081007A	2	1,5	G2	5,8	1509150000	1509200004	1508202000	1508202004
4BHS/A 15-10 *	3504101010A	3	2,2	G2	7,3	1509220100	1509300004	1508302000	1508302004
4BHS/A 15-13 *	3504111013A	4	3	G2	8,7	-	1509400004	-	1508402004
4BHS/A 15-17 *	3504121017A	5,5	4	G2	10,7	-	1509550004	-	1508552004
4BHS/A 15-25 *	3504131025A	7,5	5,5	G2	14,4	-	150750004	-	1508752004

OY: oil filled motor - WY: water filled motor

IDROGO



5" borehole centrifugal pumps

Borehole multistage centrifugal pumps suitable for clean water handling from tank or reservoir for first water collection. Use for domestic pressure boosting, small irrigation and car washing. Equipped with twin mechanical seal oil insert. Provided with 20 m cable H07RN-F type. Single phase version available with floats, on request ("A" version).



Low noise



Practical and easy to use



Suitable for horizontal operation

Materials

External casing	AISI 304
Impeller	PPE+PS reinforced with fibreglass
Shaft	AISI 431
Mechanical seal	(motor side) in Carbon/Ceramic/NBR (pump side) in SiC/Carbon/NBR

Technical data

Max. working pressure	10 bar
Max. temperature of the liquid	40°C
Poles	2
Insulation class	F
Protection degree	IP68
Voltage	Single phase 230V ±10% Three phase 230/400V ±10%

Accessories



Hydraulic discharge kit IDROGO

Page 383 - **Hydraulic kit for two pumps** (manifold, valves, pressure switches, pressure gauge) for pressure tank or inverter driven



Tanks

Page 384 - **8/10 bar 5/10 litres tanks**



Floats

Page 379 - **Key floats with counterweight**



Pressure switches

Page 379 - **1,3÷12 bar pressure switches**



Control panels and Control systems

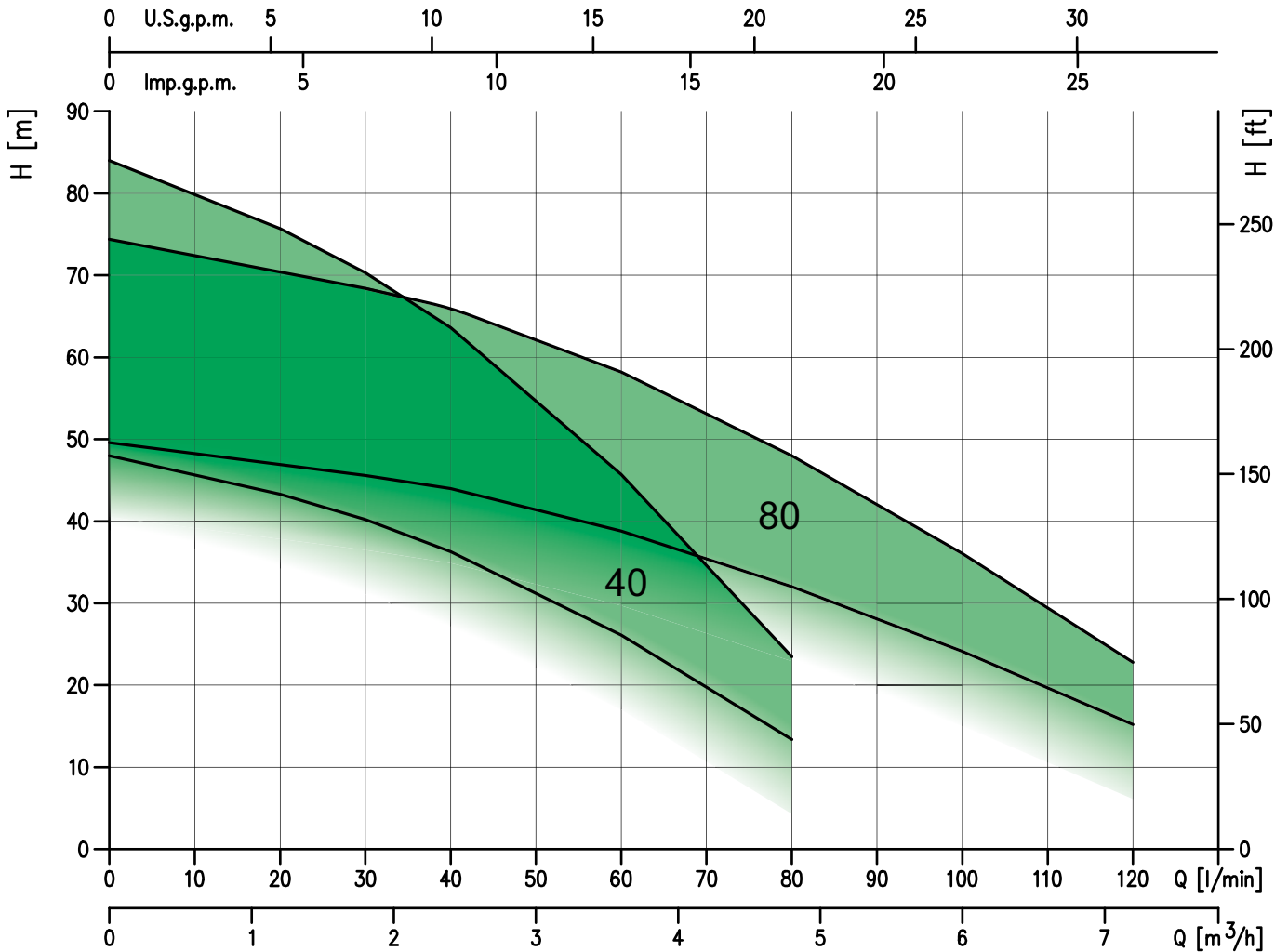
Page 366 - **Presscomfort**
Pressure regulator
Page 364 - **E-power**
Variable speed control systems
Page 362 - **E-drive**
Variable speed control systems
Page 366 - **Control panels**
Q - 1EP-E - QA50/B - QA60/C - SMART

IDROGO

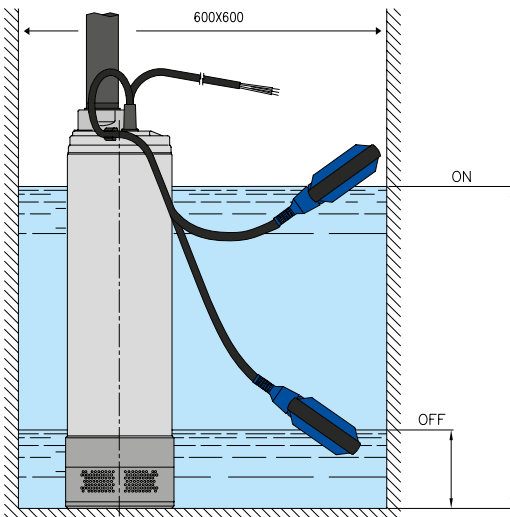
5" borehole centrifugal pumps



IDROGO



Installation



The key float with counterweight (5 m or 10 m) provided on request, is an efficient and useful accessory. It can allow the pump starting and stopping based on the water level in the tank. When it is installed, is necessary to respect the minimum required dimensions, to guarantee the right working of float.

IDROGO

5" borehole centrifugal pumps



Single phase 230V												2 Poles		
Model	Code	HP	kW	Q=Flow rate								Abs. Curr. [A] 230V	DNM	Weight [kg]
				l/min	20	30	40	60	80	100	120			
				m ³ /h	1,2	1,8	2,4	3,6	4,8	6	7,2			
H=Total head [m]														
IDROGO M40/06A *	1581030621	0,6	0,44		33,1	30,8	27,8	20,0	10,3	-	-	3,8	G1¼	13,2
IDROGO M40/06 *	1581020521	0,6	0,44		33,1	30,8	27,8	20,0	10,3	-	-	3,8	G1¼	13,0
IDROGO M40/08A	1582031221	0,8	0,6		43,3	40,2	36,3	26,1	13,4	-	-	4,3	G1¼	14,8
IDROGO M40/08	1582030021	0,8	0,6		43,3	40,2	36,3	26,1	13,4	-	-	4,3	G1¼	14,6
IDROGO M40/10A	1582051221	1	0,75		54,1	50,2	45,4	32,6	16,8	-	-	5,7	G1¼	16,2
IDROGO M40/10	1582050021	1	0,75		54,1	50,2	45,4	32,6	16,8	-	-	5,7	G1¼	16,0
IDROGO M40/12A	1582061221	1,2	0,9		64,9	60,2	54,5	39,2	20,2	-	-	6,8	G1¼	17,4
IDROGO M40/12	1582060021	1,2	0,9		64,9	60,2	54,5	39,2	20,2	-	-	6,8	G1¼	17,2
IDROGO M40/15A	1582071221	1,5	1,1		75,7	70,3	63,6	45,7	23,5	-	-	7,3	G1¼	18,5
IDROGO M40/15	1582070021	1,5	1,1		75,7	70,3	63,6	45,7	23,5	-	-	7,3	G1¼	18,3
IDROGO M80/12A	1592061221	1,2	0,9		-	45,6	44,0	38,8	32,0	23,2	15,2	6,4	G1¼	16,7
IDROGO M80/12	1592060021	1,2	0,9		-	45,6	44,0	38,8	32,0	23,2	15,2	6,4	G1¼	16,5
IDROGO M80/15A	1592071221	1,5	1,1		-	57,0	55,0	48,5	40,0	28,0	19,0	7,5	G1¼	17,9
IDROGO M80/15	1592070021	1,5	1,1		-	57,0	55,0	48,5	40,0	28,0	19,0	7,5	G1¼	17,7

*"A" version is complete with float

*= with 5 m cable HØ7RN-F (20 m for the rest of the range)

Three phase 230V												2 Poles		
Model	Code	HP	kW	Q=Flow rate								Abs. Curr. [A] 230V	DNM	Weight [kg]
				l/min	20	30	40	60	80	100	120			
				m ³ /h	1,2	1,8	2,4	3,6	4,8	6	7,2			
H=Total head [m]														
IDROGO 40/08	1582030009	0,8	0,6		43,3	40,2	36,3	26,1	13,4	-	-	3,3	G1¼	14,8
IDROGO 40/10	1582050009	1	0,75		54,1	50,2	45,4	32,6	16,8	-	-	3,8	G1¼	16,1
IDROGO 40/12	1582060009	1,2	0,9		64,9	60,2	54,5	39,2	20,2	-	-	4,2	G1¼	17,4
IDROGO 40/15	1582070009	1,5	1,1		75,7	70,3	63,6	45,7	23,5	-	-	5,2	G1¼	18,3
IDROGO 80/12	1592060009	1,2	0,9		-	45,6	44,0	38,8	32,0	23,2	15,2	4	G1¼	16,4
IDROGO 80/15	1592070009	1,5	1,1		-	57,0	55,0	48,5	40,0	28,0	19,0	5,4	G1¼	17,4
IDROGO 80/20	1592080009	2	1,5		-	68,4	66,0	58,2	48,0	34,8	22,8	6,1	G1¼	18,0

Three phase 400V												2 Poles		
Model	Code	HP	kW	Q=Flow rate								Abs. Curr. [A] 400V	DNM	Weight [kg]
				l/min	20	30	40	60	80	100	120			
				m ³ /h	1,2	1,8	2,4	3,6	4,8	6	7,2			
H=Total head [m]														
IDROGO 40/08	1582030004	0,8	0,6		43,3	40,2	36,3	26,1	13,4	-	-	1,9	G1¼	14,8
IDROGO 40/10	1582050004	1	0,75		54,1	50,2	45,4	32,6	16,8	-	-	2,2	G1¼	16,1
IDROGO 40/12	1582060004	1,2	0,9		64,9	60,2	54,5	39,2	20,2	-	-	2,4	G1¼	17,4
IDROGO 40/15	1582070004	1,5	1,1		75,7	70,3	63,6	45,7	23,5	-	-	3	G1¼	18,3
IDROGO 80/12	1592060004	1,2	0,9		-	45,6	44,0	38,8	32,0	23,2	15,2	2,3	G1¼	16,4
IDROGO 80/15	1592070004	1,5	1,1		-	57,0	55,0	48,5	40,0	28,0	19,0	3,1	G1¼	17,4
IDROGO 80/20	1592080004	2	1,5		-	68,4	66,0	58,2	48,0	34,8	22,8	3,5	G1¼	18,0

SF6



6" borehole centrifugal pumps (hydraulic only)

6" borehole centrifugal pumps suitable for domestic and industrial water supply, boosters, irrigation and community waterworks.



Practical and easy to use



Sturdy design, corrosion resistant



Lightweight and easily transportable

Technical data

Max. immersion	350 m water filled motor 150 m oil filled motor
Max. temperature of the liquid	30°C
Max. sand content	50 ppm
Poles	2
Insulation class	F (4" - 6" OY), (6" WY) B (4" WY)
Protection degree	IP 58 (4" - 6" OY), (6" WY) IP 68 (4" WY)
Voltage	Three phase 400V (±10%) Three phase 400V (+6% -10%)

Materials

External casing	AISI 304
Impeller	PPO reinforced with fibreglass
Shaft	AISI 420
Discharge casing	AISI 304
Motor connection	AISI 304

Accessories



Capacitors

Page 381 - **Capacitors 450V**



Floats

Page 379 - **Key floats with counterweight**



Control panels and Control systems

Page 366 - **Presscomfort**

Pressure regulator

Page 364 - **E-power**

Variable speed control systems

Page 362 - **E-drive**

Variable speed control systems

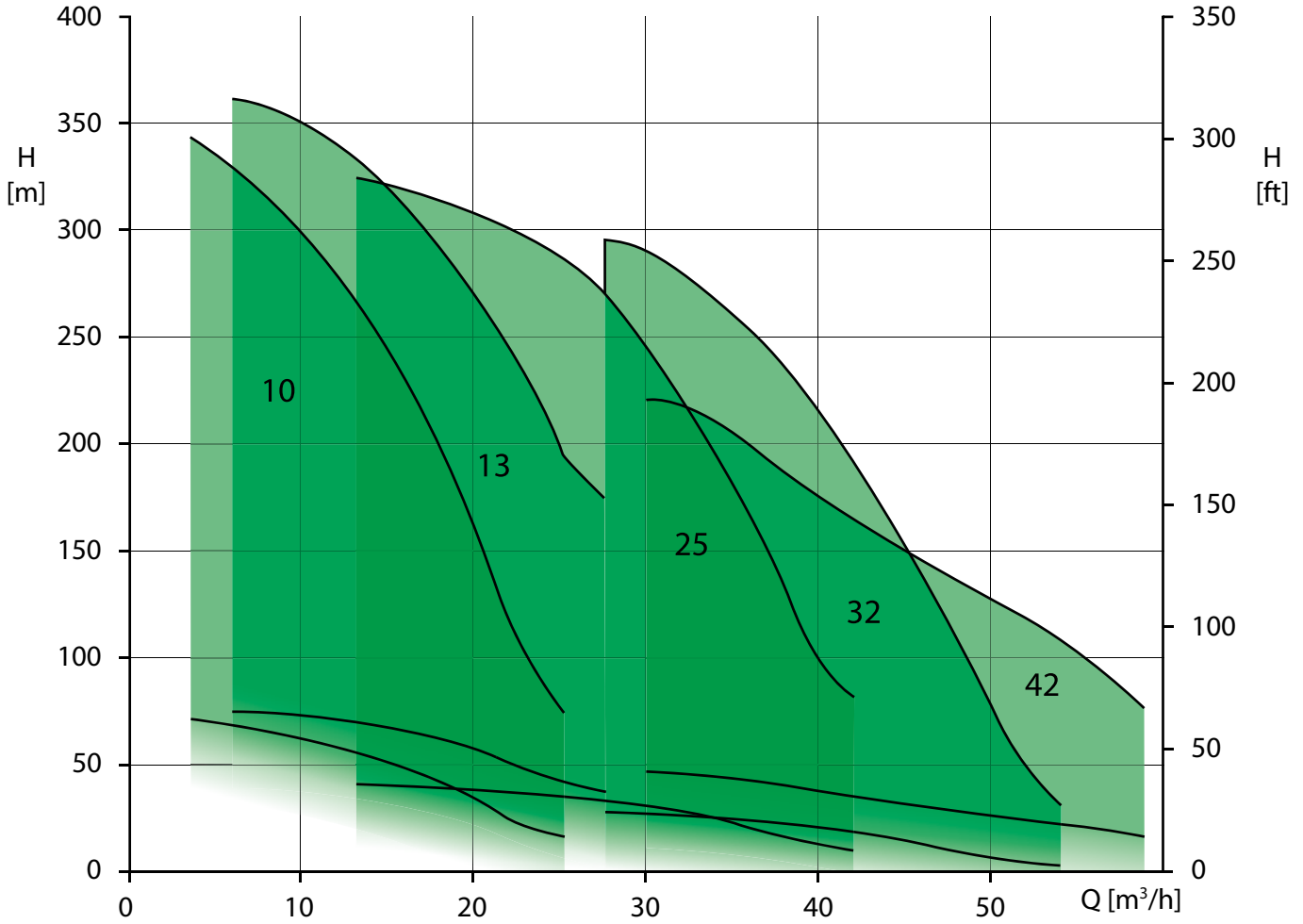
Page 367 - **Control panels**

1EP-E - QA50/B - QA60/C - SMART

SF6



6" borehole centrifugal pumps (hydraulic only)



SF6

SF6



6" borehole centrifugal pumps (hydraulic only)

Selection table

Model	HP	kW	Q=Flow rate																
			l/min	50	75	100	125	150	175	200	250	350	500	600	700	800	900	1000	1100
			m ³ /h	3	4,5	6	7,5	9	10,5	12	15	21	30	36	42	48	54	60	66
			H=Total head [m]																
SF6R10-5/2,2	3	2,2		73	70	67	63	58	53	46	27	-	-	-	-	-	-	-	
SF6R10-6/3	4	3		88	84	80	76	70	63	55	32	-	-	-	-	-	-	-	
SF6R10-7/3	4	3		102	98	94	89	82	74	64	38	-	-	-	-	-	-	-	
SF6R10-8/4	5	3,7		117	112	107	101	93	84	73	43	-	-	-	-	-	-	-	
SF6R10-9/4	5,5	4		131	126	121	114	105	95	82	48	-	-	-	-	-	-	-	
SF6R10-12/5,5	7,5	5,5		175	169	161	152	140	127	109	65	-	-	-	-	-	-	-	
SF6R10-16/7,5	10	7,5		234	225	214	202	187	169	146	86	-	-	-	-	-	-	-	
SF6R10-18/9,2	12,5	9,3		263	253	241	228	210	190	164	97	-	-	-	-	-	-	-	
SF6R10-21/9,2	12,5	9,3		307	295	281	266	245	222	192	113	-	-	-	-	-	-	-	
SF6R13-5/3	4	3		-	-	75	74	71	68	64	52	15	-	-	-	-	-	-	
SF6R13-6/4	5	3,7		-	-	90	88	86	81	76	63	17	-	-	-	-	-	-	
SF6R13-7/5,5	7,5	5,5		-	-	106	103	100	95	89	73	20	-	-	-	-	-	-	
SF6R13-8/5,5	7,5	5,5		-	-	121	118	114	109	102	83	23	-	-	-	-	-	-	
SF6R13-9/5,5	7,5	5,5		-	-	136	133	128	122	115	94	26	-	-	-	-	-	-	
SF6R13-12/7,5	10	7,5		-	-	181	177	171	163	153	125	35	-	-	-	-	-	-	
SF6R13-15/9,2	12,5	9,3		-	-	226	221	214	204	191	156	44	-	-	-	-	-	-	
SF6R13-18/11	15	11		-	-	271	265	257	244	229	188	52	-	-	-	-	-	-	
SF6R13-21/13	17,5	13		-	-	317	309	299	285	267	219	61	-	-	-	-	-	-	
SF6R13-24/15	20	15		-	-	362	354	342	326	306	250	70	-	-	-	-	-	-	
SF6S25-3/3 *	4	3		-	-	-	-	-	-	40	38	32	21	10	-	-	-	-	
SF6S25-4/4 *	5	3,7		-	-	-	-	-	-	53	50	43	27	13	-	-	-	-	
SF6S25-6/5,5 *	7,5	5,5		-	-	-	-	-	-	79	75	65	41	20	-	-	-	-	
SF6S25-8/7,5 *	10	7,5		-	-	-	-	-	-	106	100	86	55	27	-	-	-	-	
SF6S25-10/9,2 *	12,5	9,3		-	-	-	-	-	-	132	125	108	69	34	-	-	-	-	
SF6S25-12/11 *	15	11		-	-	-	-	-	-	159	150	129	82	40	-	-	-	-	
SF6S25-14/15 *	17,5	13		-	-	-	-	-	-	185	175	151	96	47	-	-	-	-	
SF6S25-16/15 *	20	15		-	-	-	-	-	-	212	200	172	110	54	-	-	-	-	
SF6S25-20/18,5 *	25	18,5		-	-	-	-	-	-	264	251	215	137	67	-	-	-	-	
SF6S25-24/22 *	30	22		-	-	-	-	-	-	317	301	258	164	81	-	-	-	-	
SF6S32-2/3 *	4	3		-	-	-	-	-	-	-	-	27	23	19	13	7	-	-	
SF6S32-3/4 *	5	3,7		-	-	-	-	-	-	-	-	40	35	28	20	10	-	-	
SF6S32-4/5,5 *	7,5	5,5		-	-	-	-	-	-	-	-	54	46	38	26	13	-	-	
SF6S32-5/7,5 *	10	7,5		-	-	-	-	-	-	-	-	67	58	47	33	17	-	-	
SF6S32-6/9,2 *	12,5	9,3		-	-	-	-	-	-	-	-	81	70	57	39	20	-	-	
SF6S32-8/11 *	15	11		-	-	-	-	-	-	-	-	108	93	76	53	26	-	-	
SF6S32-9/15 *	17,5	13		-	-	-	-	-	-	-	-	121	104	85	59	30	-	-	
SF6S32-10/15 *	20	15		-	-	-	-	-	-	-	-	135	116	95	66	33	-	-	
SF6S32-13/18,5 *	25	18,5		-	-	-	-	-	-	-	-	175	151	123	86	43	-	-	
SF6S32-16/22 *	30	22		-	-	-	-	-	-	-	-	216	186	151	105	53	-	-	
SF6S32-19/26 *	35	26		-	-	-	-	-	-	-	-	256	220	180	125	63	-	-	
SF6S32-22/30 *	40	30		-	-	-	-	-	-	-	-	296	255	208	145	73	-	-	
SF6S42-4/7,5 *	10	7,5		-	-	-	-	-	-	-	-	-	42	36	31	26	21	14	4
SF6S42-6/9,2 *	12,5	9,3		-	-	-	-	-	-	-	-	-	63	54	46	39	32	21	6
SF6S42-7/11 *	15	11		-	-	-	-	-	-	-	-	-	74	63	54	46	37	25	7
SF6S42-8/13 *	17,5	13		-	-	-	-	-	-	-	-	-	84	72	61	53	43	28	8
SF6S42-9/15 *	20	15		-	-	-	-	-	-	-	-	-	95	81	69	59	48	32	9
SF6S42-12/18,5 *	25	18,5		-	-	-	-	-	-	-	-	-	126	107	92	79	64	42	12
SF6S42-14/22 *	30	22		-	-	-	-	-	-	-	-	-	147	125	108	92	74	49	14
SF6S42-17/26 *	35	26		-	-	-	-	-	-	-	-	-	179	152	131	112	90	60	17
SF6S42-19/30 *	40	30		-	-	-	-	-	-	-	-	-	200	170	146	125	101	67	19

* Models that do not comply with EuP Directive and their sale in EU is restricted exclusively to the kit for fire-fighting units.

SF6



6" borehole centrifugal pumps (hydraulic only)

2 Poles								
Model	Code	HP	kW	Motor	DNM	Weight [kg]	Suitable motor for coupling	
							Oil filled OY 3~	Water filled WY 3~
SF6R10-5/2,2	3601002205	3	2,2	4"	G3	9,8	1509300004	1505300004
SF6R10-6/3	3601000306	4	3	4"	G3	10,4	1509400004	1505400004
SF6R10-7/3	3601000307	4	3	4"	G3	11	1509400004	1505400004
SF6R10-8/4	3601000408	5	3,7	4"	G3	11,8	1509550004	1505550004
SF6R10-9/4	3601000409	5,5	4	4"	G3	12,4	1509550004	1505550004
SF6R10-12/5,5	3601005512	7,5	5,5	4"	G3	14,3	1509750004	1505750004
SF6R10-16/7,5	3601007516	10	7,5	6"	G3	16,9	1505160604	1505140004
SF6R10-18/9,2	3601009218	12,5	9,3	6"	G3	18,2	1505150204	1505120004
SF6R10-21/9,2	3601009221	12,5	9,3	6"	G3	22,5	1505150204	1505120004
SF6R13-5/3	3601000305	4	3	4"	G3	9,8	1509400004	1505400004
SF6R13-6/4	3601000406	5	3,7	4"	G3	10,4	1509550004	1505550004
SF6R13-7/5,5	3601005507	7,5	5,5	4"	G3	11	1509750004	1505750004
SF6R13-8/5,5	3601005508	7,5	5,5	4"	G3	11,7	1509750004	1505750004
SF6R13-9/5,5	3601005509	7,5	5,5	4"	G3	12,4	1509750004	1505750004
SF6R13-12/7,5	3601007512	10	7,5	6"	G3	14,2	1505160604	1505140004
SF6R13-15/9,2	3601009215	12,5	9,3	6"	G3	16,2	1505150204	1505120004
SF6R13-18/11	3601001118	15	11	6"	G3	18,1	1505160200	1505160004
SF6R13-21/13	3601001321	17,5	13	6"	G3	22,5	1505170204	1505170004
SF6R13-24/15	3601001524	20	15	6"	G3	24	1505150206	1505170004
SF6S25-3/3 *	3601000303	4	3	4"	G3	9,2	1509400004	1505400004
SF6S25-4/4 *	3601000404	5	3,7	4"	G3	10,1	1509550004	1505550004
SF6S25-6/5,5 *	3601005506	7,5	5,5	4"	G3	11,9	1509750004	1505750004
SF6S25-8/7,5 *	3601007506	10	7,5	6"	G3	13,6	1505160604	1505140004
SF6S25-10/9,2 *	3601009210	12,5	9,3	6"	G3	15,5	1505150204	1505120004
SF6S25-12/11 *	3601001112	15	11	6"	G3	17,3	1505160200	1505160004
SF6S25-14/15 *	3601001514	17,5	13	6"	G3	19,1	1505150206	1505170004
SF6S25-16/15 *	3601001516	20	15	6"	G3	21,0	1505150206	1505170004
SF6S25-20/18,5 *	3601001820	25	18,5	6"	G3	27,5	1505160504	1505180004
SF6S25-24/22 *	3601002224	30	22	6"	G3	31,5	1505163004	1505190004
SF6S32-2/3 *	3601000302	4	3	4"	G3	8,5	1509400004	1505400004
SF6S32-3/4 *	3601000403	5	3,7	4"	G3	9,4	1509550004	1505550004
SF6S32-4/5,5 *	3601005504	7,5	5,5	4"	G3	10,2	1509750004	1505750004
SF6S32-5/7,5 *	3601007505	10	7,5	6"	G3	11,2	1505160604	1505140004
SF6S32-6/9,2 *	3601009206	12,5	9,3	6"	G3	12,1	1505150204	1505120004
SF6S32-8/11 *	3601001108	15	11	6"	G3	13,9	1505160200	1505160004
SF6S32-9/15 *	3601001509	17,5	13	6"	G3	15,0	1505150206	1505170004
SF6S32-10/15 *	3601001510	20	15	6"	G3	15,8	1505150206	1505170004
SF6S32-13/18,5 *	3601001813	25	18,5	6"	G3	17,7	1505160504	1505180004
SF6S32-16/22 *	3601002216	30	22	6"	G3	20,5	1505163004	1505190004
SF6S32-19/26 *	3601002619	35	26	6"	G3	26,5	1505160009	1505400304
SF6S32-22/30 *	3601003022	40	30	6"	G3	28,5	1505164004	1505400304
SF6S42-4/7,5 *	3601007504	10	7,5	6"	G3	10,1	1505160604	1505140004
SF6S42-6/9,2 *	3601019206	12,5	9,3	6"	G3	11,1	1505150204	1505120004
SF6S42-7/11 *	3601001107	15	11	6"	G3	12,0	1505160200	1505160004
SF6S42-8/13 *	3601001308	17,5	13	6"	G3	13,8	1505170204	1505170004
SF6S42-9/15 *	3601002509	20	15	6"	G3	14,8	1505150206	1505170004
SF6S42-12/18,5 *	3601011812	25	18,5	6"	G3	15,7	1505160504	1505180004
SF6S42-14/22 *	3601002214	30	22	6"	G3	17,8	1505163004	1505190004
SF6S42-17/26 *	3601002617	35	26	6"	G3	20,5	1505160009	1505400304
SF6S42-19/30 *	3601003019	40	30	6"	G3	26,5	1505164004	1505400304

* Models that do not comply with EuP Directive and their sale in EU is restricted exclusively to the kit for fire-fighting units.

6BHE



6" borehole centrifugal pumps in AISI 304 (hydraulic only)

6" borehole centrifugal pumps suitable for domestic and industrial water supply, boosters, irrigation and community waterworks.



Sturdy design, corrosion resistant



Suitable for horizontal operation



Available in AISI 316

Technical data

Max. immersion	350 m water filled motor 150 m oil filled motor
Max. temperature of the liquid	-5°C ÷ +60°C
Max. sand content	100 gr/m ³
Poles	2
Insulation class	F (4"-6" OY), (6"-8" WY) B (4" WY)
Protection degree	IP58 (OY), IP68 (WY)
Voltage	Three phase 380-415V ±10% OY Three phase 380-415V -10%+6% WY

Materials

External casing	AISI 304
Impeller	AISI 304
Shaft	AISI 431
Discharge casing	AISI 304
Motor connection	AISI 304

Accessories



Capacitors
Page 381 - **Capacitors 450V**



Floats
Page 379 - **Key floats with counterweight**



6BHE(L) adaptor kit
Page 383 - **Kit adaptor 6BHE(L) 6"x 4"**

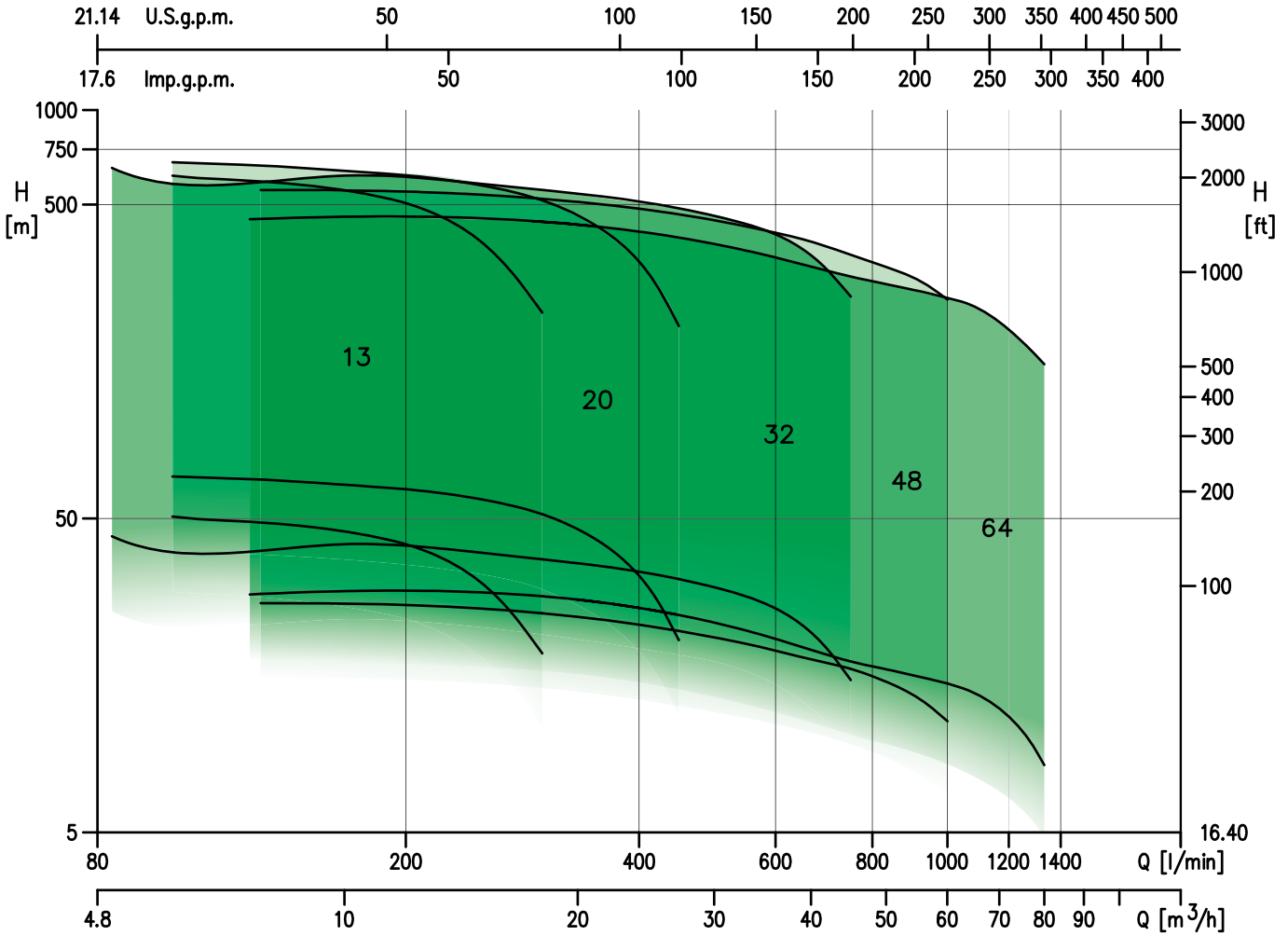


Control panels and Control systems
Page 366 - **Presscomfort**
Pressure regulator
Page 364 - **E-power**
Variable speed control systems
Page 362 - **E-drive**
Variable speed control systems
Page 367 - **Control panels**
1EP-E - SMART

6BHE



6" borehole centrifugal pumps in AISI 304 (hydraulic only)



6BHE

6BHE 13

6" borehole centrifugal pumps in AISI 304 (hydraulic only)



6BHE

2 Poles																
Model	Code	Standard			Optional **			Q=Flow rate						DNM	Weight [kg]	
		HP	kW	Motor	HP	kW	Motor	l/min	100	133	167	200	250			300
								m³/h	6	8	10	12	15			18
								H=Total head [m]								
6BHE 13-5*	3651300005	5,5	4	6"	3	2,2	4"		50,7	48,4	45,4	41,4	31,3	18,6	Rp2½	11,5
6BHE 13-6*	3651300006	5,5	4	6"	5	3,7	4"		60,8	58,1	54,5	49,7	37,5	22,3	Rp2½	13,0
6BHE 13-7*	3651300007	5,5	4	6"	5	3,7	4"		71,0	67,8	63,6	58,0	43,8	26,0	Rp2½	13,0
6BHE 13-8*	3651300008	5,5	4	6"	5	3,7	4"		81,1	77,5	72,7	66,3	50,0	29,7	Rp2½	14,0
6BHE 13-9*	3651300009	7,5	5,5	6"	7,5	5,5	4"		91,2	87,2	81,8	74,6	56,3	33,4	Rp2½	14,5
6BHE 13-10*	3651300010	7,5	5,5	6"	7,5	5,5	4"		101,4	96,9	90,9	82,9	62,5	37,1	Rp2½	15,0
6BHE 13-11*	3651300011	7,5	5,5	6"	7,5	5,5	4"		111,5	106,6	100,0	91,2	68,8	40,8	Rp2½	16,0
6BHE 13-12*	3651300012	7,5	5,5	6"	7,5	5,5	4"		121,7	116,3	109,1	99,5	75,0	44,6	Rp2½	16,8
6BHE 13-13*	3651300013	7,5	5,5	6"	7,5	5,5	4"		131,8	125,9	118,1	107,7	81,3	48,3	Rp2½	17,5
6BHE 13-14*	3651300014	10	7,5	6"	10	7,5	4"		141,9	135,6	127,2	116,0	87,5	52,0	Rp2½	18,5
6BHE 13-15*	3651300015	10	7,5	6"	10	7,5	4"		152,1	145,3	136,3	124,3	93,8	55,7	Rp2½	19,2
6BHE 13-16*	3651300016	10	7,5	6"	10	7,5	4"		162,2	155,0	145,4	132,6	100,0	59,4	Rp2½	19,8
6BHE 13-17*	3651300017	10	7,5	6"	10	7,5	4"		172,3	164,7	154,5	140,9	106,3	63,1	Rp2½	20,5
6BHE 13-18*	3651300018	12,5	9,3	6"	-	-	-		182,5	174,4	163,6	149,2	112,5	66,8	Rp2½	21,3
6BHE 13-19*	3651300019	12,5	9,3	6"	-	-	-		192,6	184,1	172,7	157,5	118,8	70,5	Rp2½	22,0
6BHE 13-20*	3651300020	12,5	9,3	6"	-	-	-		202,8	193,8	181,8	165,8	125,0	74,3	Rp2½	23,0
6BHE 13-21*	3651300021	12,5	9,3	6"	-	-	-		212,9	203,4	190,8	174,0	131,3	78,0	Rp2½	23,5
6BHE 13-22*	3651300022	12,5	9,3	6"	-	-	-		223,0	213,1	199,9	182,3	137,5	81,7	Rp2½	24,0
6BHE 13-23*	3651300023	15	11	6"	-	-	-		233,2	222,8	209,0	190,6	143,8	85,4	Rp2½	25,0
6BHE 13-24*	3651300024	15	11	6"	-	-	-		243,3	232,5	218,1	198,9	150,0	89,1	Rp2½	25,5
6BHE 13-25*	3651300025	15	11	6"	-	-	-		253,4	242,2	227,2	207,2	156,3	92,8	Rp2½	26,5
6BHE 13-26*	3651300026	15	11	6"	-	-	-		263,6	251,9	236,3	215,5	162,5	96,5	Rp2½	27,0
6BHE 13-27*	3651300027	20	15	6"	-	-	-		273,7	261,6	245,4	223,8	168,8	100,2	Rp2½	29,0
6BHE 13-28*	3651300028	20	15	6"	-	-	-		283,9	271,3	254,5	232,1	175,0	104,0	Rp2½	29,0
6BHE 13-29*	3651300029	20	15	6"	-	-	-		294,0	280,9	263,5	240,3	181,3	107,7	Rp2½	30,5
6BHE 13-30*	3651300030	20	15	6"	-	-	-		304,1	290,6	272,6	248,6	187,5	111,4	Rp2½	30,8
6BHE 13-31*	3651300031	20	15	6"	-	-	-		314,3	300,3	281,7	256,9	193,8	115,1	Rp2½	31,0
6BHE 13-32*	3651300032	20	15	6"	-	-	-		324,4	310,0	290,8	265,2	200,0	118,8	Rp2½	31,5
6BHE 13-33*	3651300033	20	15	6"	-	-	-		334,5	319,7	299,9	273,5	206,3	122,5	Rp2½	32,5
6BHE 13-34*	3651300034	20	15	6"	-	-	-		344,7	329,4	309,0	281,8	212,5	126,2	Rp2½	33,5
6BHE 13-35*	3651300035	20	15	6"	-	-	-		354,8	339,1	318,1	290,1	218,8	129,9	Rp2½	34,0
6BHE 13-36*	3651300036	20	15	6"	-	-	-		365,0	348,8	327,2	298,4	225,0	133,7	Rp2½	34,5
6BHE 13-37*	3651300037	25	18,5	6"	-	-	-		375,1	358,4	336,2	306,6	231,3	137,4	Rp2½	35,3
6BHE 13-38*	3651300038	25	18,5	6"	-	-	-		385,2	368,1	345,3	314,9	237,5	141,1	Rp2½	36,0
6BHE 13-39*	3651300039	25	18,5	6"	-	-	-		395,4	377,8	354,4	323,2	243,8	144,8	Rp2½	37,3
6BHE 13-40*	3651300040	25	18,5	6"	-	-	-		405,5	387,5	363,5	331,5	250,0	148,5	Rp2½	38,5
6BHE 13-41*	3651300041	25	18,5	6"	-	-	-		415,6	397,2	372,6	339,8	256,3	152,2	Rp2½	38,8
6BHE 13-42*	3651300042	25	18,5	6"	-	-	-		425,8	406,9	381,7	348,1	262,5	155,9	Rp2½	39,0
6BHE 13-43*	3651300043	25	18,5	6"	-	-	-		435,9	416,6	390,8	356,4	268,8	159,6	Rp2½	39,8
6BHE 13-44*	3651300044	25	18,5	6"	-	-	-		446,1	426,3	399,9	364,7	275,0	163,4	Rp2½	40,5
6BHE 13-45*	3651300045	30	22	6"	-	-	-		456,2	435,9	408,9	372,9	281,3	167,1	Rp2½	41,3
6BHE 13-46*	3651300046	30	22	6"	-	-	-		466,3	445,6	418,0	381,2	287,5	170,8	Rp2½	42,0
6BHE 13-47*	3651300047	30	22	6"	-	-	-		476,5	455,3	427,1	389,5	293,8	174,5	Rp2½	43,0
6BHE 13-48*	3651300048	30	22	6"	-	-	-		486,6	465,0	436,2	397,8	300,0	178,2	Rp2½	44,0
6BHE 13-49*	3651300049	30	22	6"	-	-	-		496,7	474,7	445,3	406,1	306,3	181,9	Rp2½	45,0
6BHE 13-50*	3651300050	30	22	6"	-	-	-		506,9	484,4	454,4	414,4	312,5	185,6	Rp2½	46,0
6BHE 13-51*	3651300051	30	22	6"	-	-	-		517,0	494,1	463,5	422,7	318,8	189,3	Rp2½	47,0

* Models that do not comply with EuP Directive and their sale in EU is restricted exclusively to the kit for fire-fighting units.

** Optional version with 4" motor: kit adaptor 6BHE 6"x 4" is mandatory (see page 383)

Price increase for double output cable cover: 94,00€

6BHE 13



6" borehole centrifugal pumps in AISI 304 (hydraulic only)

2 Poles																
Model	Code	Standard			Optional **			Q=Flow rate						DNM	Weight [kg]	
		HP	kW	Motor	HP	kW	Motor	l/min	100	133	167	200	250			300
									m ³ /h	6	8	10	12			15
								H=Total head [m]								
6BHE 13-52*	3651300052	30	22	6"	-	-	-		527,2	503,8	472,6	431,0	325,0	193,1	Rp2½	48,0
6BHE 13-53*	3651300053	40	30	6"	-	-	-		537,3	513,4	481,6	439,2	331,3	196,8	Rp2½	48,8
6BHE 13-54*	3651300054	40	30	6"	-	-	-		547,4	523,1	490,7	447,5	337,5	200,5	Rp2½	49,7
6BHE 13-55*	3651300055	40	30	6"	-	-	-		557,6	532,8	499,8	455,8	343,8	204,2	Rp2½	50,5
6BHE 13-56*	3651300056	40	30	6"	-	-	-		567,7	542,5	508,9	464,1	350,0	207,9	Rp2½	51,3
6BHE 13-57*	3651300057	40	30	6"	-	-	-		577,8	552,2	518,0	472,4	356,3	211,6	Rp2½	52,2
6BHE 13-58*	3651300058	40	30	6"	-	-	-		588,0	561,9	527,1	480,7	362,5	215,3	Rp2½	53,0
6BHE 13-59*	3651300059	40	30	6"	-	-	-		598,1	571,6	536,2	489,0	368,8	219,0	Rp2½	54,0
6BHE 13-60*	3651300060	40	30	6"	-	-	-		608,3	581,3	545,3	497,3	375,0	222,8	Rp2½	55,0
6BHE 13-61*	3651300061	40	30	6"	-	-	-		618,4	590,9	554,3	505,5	381,3	226,5	Rp2½	56,0

* Models that do not comply with EuP Directive and their sale in EU is restricted exclusively to the kit for fire-fighting units.

** Optional version with 4" motor: kit adaptor 6BHE 6"x 4" is mandatory (see page 383)

Price increase for double output cable cover: 94,00€

6BHE 20

6" borehole centrifugal pumps in AISI 304 (hydraulic only)



2 Poles																
Model	Code	Standard			Optional **			Q=Flow rate						DNM	Weight [kg]	
		HP	kW	Motor	HP	kW	Motor	l/min	100	167	200	250	350			450
								m ³ /h	6	10	12	15	21			27
H=Total head [m]																
6BHE 20-6	3652000006	5,5	4	6"	5	3,7	4"		68,0	64,0	62,0	57,6	43,2	20,5	Rp2½	12,5
6BHE 20-7	3652000007	7,5	5,5	6"	7,5	5,5	4"		79,0	74,7	72,3	67,2	50,4	23,9	Rp2½	13,5
6BHE 20-8	3652000008	7,5	5,5	6"	7,5	5,5	4"		90,9	85,3	82,7	76,8	57,6	27,4	Rp2½	14,3
6BHE 20-9	3652000009	7,5	5,5	6"	7,5	5,5	4"		102,0	96,0	93,0	86,4	64,8	30,8	Rp2½	15,0
6BHE 20-10	3652000010	10	7,5	6"	10	7,5	4"		113,7	106,7	103,3	96,0	72,0	34,2	Rp2½	16,0
6BHE 20-11	3652000011	10	7,5	6"	10	7,5	4"		125,0	117,3	113,7	105,6	79,2	37,6	Rp2½	17,0
6BHE 20-12	3652000012	10	7,5	6"	10	7,5	4"		136,0	128,0	124,0	115,2	86,4	41,0	Rp2½	17,5
6BHE 20-13	3652000013	12,5	9,3	6"	-	-	-		147,1	138,7	134,3	124,8	93,6	44,5	Rp2½	18,5
6BHE 20-14	3652000014	12,5	9,3	6"	-	-	-		157,0	149,3	144,7	134,4	100,8	47,9	Rp2½	19,3
6BHE 20-15	3652000015	12,5	9,3	6"	-	-	-		170,5	160,0	155,0	144,0	108,0	51,3	Rp2½	20,0
6BHE 20-16	3652000016	15	11	6"	-	-	-		181,9	170,7	165,3	153,6	115,2	54,7	Rp2½	21,0
6BHE 20-17	3652000017	15	11	6"	-	-	-		193,2	181,3	175,7	163,2	122,4	58,1	Rp2½	22,0
6BHE 20-18	3652000018	15	11	6"	-	-	-		204,6	192,0	186,0	172,8	129,6	61,6	Rp2½	22,5
6BHE 20-19	3652000019	20	15	6"	-	-	-		216,0	202,7	196,3	182,4	136,8	65,0	Rp2½	23,5
6BHE 20-20	3652000020	20	15	6"	-	-	-		227,3	213,3	206,7	192,0	144,0	68,4	Rp2½	24,0
6BHE 20-21	3652000021	20	15	6"	-	-	-		238,7	224,0	217,0	201,6	151,2	71,8	Rp2½	25,0
6BHE 20-22	3652000022	20	15	6"	-	-	-		250,0	234,7	227,3	211,2	158,4	75,2	Rp2½	26,0
6BHE 20-23	3652000023	20	15	6"	-	-	-		261,4	245,3	237,7	220,8	165,6	78,7	Rp2½	26,5
6BHE 20-24	3652000024	20	15	6"	-	-	-		272,8	256,0	248,0	230,4	172,8	82,1	Rp2½	27,5
6BHE 20-25	3652000025	25	18,5	6"	-	-	-		284,2	266,7	258,3	240,0	180,0	85,5	Rp2½	28,3
6BHE 20-26	3652000026	25	18,5	6"	-	-	-		295,5	277,3	268,7	249,6	187,2	88,9	Rp2½	29,0
6BHE 20-27	3652000027	25	18,5	6"	-	-	-		306,0	288,0	279,0	259,2	194,4	92,3	Rp2½	31,0
6BHE 20-28	3652000028	25	18,5	6"	-	-	-		318,3	298,7	289,3	268,8	201,6	95,8	Rp2½	31,0
6BHE 20-29	3652000029	25	18,5	6"	-	-	-		329,6	309,3	299,7	278,4	208,8	99,2	Rp2½	31,5
6BHE 20-30	3652000030	25	18,5	6"	-	-	-		341,0	320,0	310,0	288,0	216,0	102,6	Rp2½	32,5
6BHE 20-31	3652000031	30	22	6"	-	-	-		352,4	330,7	320,3	297,6	223,2	106,0	Rp2½	33,3
6BHE 20-32	3652000032	30	22	6"	-	-	-		363,7	341,3	330,7	307,2	230,4	109,4	Rp2½	34,0
6BHE 20-33	3652000033	30	22	6"	-	-	-		375,1	352,0	341,0	316,8	237,6	112,9	Rp2½	35,0
6BHE 20-34	3652000034	30	22	6"	-	-	-		386,5	362,7	351,3	326,4	244,8	116,3	Rp2½	35,7
6BHE 20-35	3652000035	30	22	6"	-	-	-		397,8	373,3	361,7	336,0	252,0	119,7	Rp2½	36,3
6BHE 20-36	3652000036	30	22	6"	-	-	-		409,2	384,0	372,0	345,6	259,2	123,1	Rp2½	37,0
6BHE 20-37	3652000037	40	30	6"	-	-	-		420,6	394,7	382,3	355,2	266,4	126,5	Rp2½	38,4
6BHE 20-38	3652000038	40	30	6"	-	-	-		431,9	405,3	392,7	364,8	273,6	130,0	Rp2½	39,8
6BHE 20-39	3652000039	40	30	6"	-	-	-		443,0	416,0	403,0	374,4	280,8	133,4	Rp2½	40,0
6BHE 20-40	3652000040	40	30	6"	-	-	-		455,0	426,7	413,3	384,0	288,0	136,8	Rp2½	40,5
6BHE 20-41	3652000041	40	30	6"	-	-	-		466,0	437,3	423,7	393,6	295,2	140,2	Rp2½	41,8
6BHE 20-42	3652000042	40	30	6"	-	-	-		477,0	448,0	434,0	403,2	302,4	143,6	Rp2½	43,0

** Optional version with 4" motor: kit adaptor 6BHE 6"x 4" is mandatory (see page 383)
 Price increase for double output cable cover: 94,00€



6BHE 20



6" borehole centrifugal pumps in AISI 304 (hydraulic only)

														2 Poles		
Model	Code	Standard			Optional **			Q=Flow rate							DNM	Weight [kg]
		HP	kW	Motor	HP	kW	Motor	l/min	H=Total head [m]							
									100	167	200	250	350	450		
								m ³ /h	6	10	12	15	21	27		
6BHE 20-43	3652000043	40	30	6"	-	-	-		489,0	458,7	444,3	412,8	309,6	147,1	Rp2½	44,0
6BHE 20-44	3652000044	40	30	6"	-	-	-		500,0	469,3	454,7	422,4	316,8	150,5	Rp2½	45,0
6BHE 20-45	3652000045	40	30	6"	-	-	-		511,5	480,0	465,0	432,0	324,0	153,9	Rp2½	46,0
6BHE 20-46	3652000046	40	30	6"	-	-	-		523,0	490,7	475,3	441,6	331,2	157,3	Rp2½	47,0
6BHE 20-47	3652000047	40	30	6"	-	-	-		534,2	501,3	485,7	451,2	338,4	160,7	Rp2½	47,5
6BHE 20-48	3652000048	40	30	6"	-	-	-		545,6	512,0	496,0	460,8	345,6	164,2	Rp2½	48,0
6BHE 20-49	3652000049	40	30	6"	-	-	-		557,0	522,7	506,3	470,4	352,8	167,6	Rp2½	50,0
6BHE 20-50	3652000050	50	37	6"	-	-	-		568,3	533,3	516,7	480,0	360,0	171,0	Rp2½	51,0
6BHE 20-51	3652000051	50	37	6"	-	-	-		579,7	544,0	527,0	489,6	367,2	174,4	Rp2½	52,0
6BHE 20-52	3652000052	50	37	6"	-	-	-		591,1	554,7	537,3	499,2	374,4	177,8	Rp2½	53,0
6BHE 20-53	3652000053	50	37	6"	-	-	-		602,4	565,3	547,7	508,8	381,6	181,3	Rp2½	54,0
6BHE 20-54	3652000054	50	37	6"	-	-	-		613,8	576,0	558,0	518,4	388,8	184,7	Rp2½	55,0
6BHE 20-55	3652000055	50	37	6"	-	-	-		625,2	586,7	568,3	528,0	396,0	188,1	Rp2½	56,0
6BHE 20-56	3652000056	50	37	6"	-	-	-		636,5	597,3	578,7	537,6	403,2	191,5	Rp2½	57,0
6BHE 20-57	3652000057	50	37	6"	-	-	-		647,9	608,0	589,0	547,2	410,4	194,9	Rp2½	58,0
6BHE 20-58	3652000058	50	37	6"	-	-	-		659,3	618,7	599,3	556,8	417,6	198,4	Rp2½	59,0
6BHE 20-59	3652000059	50	37	6"	-	-	-		670,6	629,3	609,7	566,4	424,8	201,8	Rp2½	60,0
6BHE 20-60	3652000060	50	37	6"	-	-	-		682,0	640,0	620,0	576,0	432,0	205,2	Rp2½	61,0

** Optional version with 4" motor: kit adaptor 6BHE 6"x 4" is mandatory (see page 383)
 Price increase for double output cable cover: 94,00€

6BHE 32



6" borehole centrifugal pumps in AISI 304 (hydraulic only)

Model	Code	Standard		Optional **			Q=Flow rate						DNM	Weight [kg]		
		HP	kW	Motor	HP	kW	Motor	l/min	83,5	166,5	333,5	416,5			583,5	750
									5	10	20	25			35	45
		m ³ /h	H=Total head [m]													
6BHE 32-3	3653200003	5,5	4	6"	5	3,7	4"		43,9	41,4	36,0	33,3	26,7	15,3	Rp3	14,7
6BHE 32-4	3653200004	7,5	5,5	6"	7,5	5,5	4"		59,5	56,0	48,8	45,2	36,5	21,4	Rp3	16,8
6BHE 32-5	3653200005	10	7,5	6"	10	7,5	4"		74,2	70,2	61,5	56,9	46,1	27,4	Rp3	18,9
6BHE 32-6	3653200006	10	7,5	6"	10	7,5	4"		88,4	83,4	72,6	67,1	54,0	31,2	Rp3	21,0
6BHE 32-7	3653200007	12,5	9,3	6"	-	-	-		104,2	98,4	86,0	79,7	64,6	38,4	Rp3	23,1
6BHE 32-8	3653200008	15	11	6"	-	-	-		119,4	113,3	98,1	90,9	73,6	43,5	Rp3	25,4
6BHE 32-9	3653200009	15	11	6"	-	-	-		132,7	125,3	109,3	101,1	81,4	47,3	Rp3	27,3
6BHE 32-10	3653200010	20	15	6"	-	-	-		149,9	141,6	123,8	114,9	93,5	56,1	Rp3	29,4
6BHE 32-11	3653200011	20	15	6"	-	-	-		163,9	154,8	135,3	125,4	101,7	60,4	Rp3	31,5
6BHE 32-12	3653200012	20	15	6"	-	-	-		177,8	167,9	146,6	135,7	109,6	64,4	Rp3	33,6
6BHE 32-13	3653200013	25	18,5	6"	-	-	-		194,0	183,7	160,6	148,9	121,1	72,4	Rp3	35,7
6BHE 32-14	3653200014	25	18,5	6"	-	-	-		208,5	196,9	172,1	159,4	129,2	76,7	Rp3	37,8
6BHE 32-15	3653200015	30	22	6"	-	-	-		224,6	212,2	185,5	172,1	140,0	84,0	Rp3	39,9
6BHE 32-16	3653200016	30	22	6"	-	-	-		238,7	225,5	197,1	182,6	148,3	88,3	Rp3	42,0
6BHE 32-17	3653200017	30	22	6"	-	-	-		252,6	238,5	208,4	193,0	156,4	92,5	Rp3	44,1
6BHE 32-18	3653200018	30	22	6"	-	-	-		226,8	251,8	219,7	203,3	164,3	96,5	Rp3	46,1
6BHE 32-19	3653200019	40	30	6"	-	-	-		286,0	270,5	236,8	219,9	179,7	109,1	Rp3	48,2
6BHE 32-20	3653200020	40	30	6"	-	-	-		300,6	284,0	248,6	230,7	188,2	113,8	Rp3	50,3
6BHE 32-21	3653200021	40	30	6"	-	-	-		315,0	297,4	260,2	241,5	196,7	118,3	Rp3	52,4
6BHE 32-22	3653200022	40	30	6"	-	-	-		329,1	310,9	271,8	252,1	205,0	122,7	Rp3	54,5
6BHE 32-23	3653200023	40	30	6"	-	-	-		343,2	324,1	283,4	262,6	213,2	127,0	Rp3	56,6
6BHE 32-24	3653200024	40	30	6"	-	-	-		357,2	337,3	294,8	273,1	221,4	131,2	Rp3	58,7
6BHE 32-25	3653200025	50	37	6"	-	-	-		374,5	353,8	309,4	287,0	233,5	140,1	Rp3	60,8
6BHE 32-26	3653200026	50	37	6"	-	-	-		388,1	367,0	320,9	297,5	241,8	144,5	Rp3	62,9
6BHE 32-27	3653200027	50	37	6"	-	-	-		402,6	380,3	332,4	308,1	250,0	148,8	Rp3	65,0
6BHE 32-28	3653200028	50	37	6"	-	-	-		416,7	393,5	343,8	318,5	258,1	152,9	Rp3	67,2
6BHE 32-29	3653200029	50	37	6"	-	-	-		430,5	406,5	355,2	328,9	266,2	157,0	Rp3	69,2
6BHE 32-30	3653200030	50	37	6"	-	-	-		436,0	420,0	366,4	339,1	274,1	160,9	Rp3	71,3
6BHE 32-31	3653200031	60	45	6"	-	-	-		464,3	438,6	383,6	355,8	289,4	173,6	Rp3	72,4
6BHE 32-32	3653200032	60	45	6"	-	-	-		478,5	451,9	395,2	366,4	297,7	177,9	Rp3	75,5
6BHE 32-33	3653200033	60	45	6"	-	-	-		492,5	465,2	406,7	376,9	305,9	182,1	Rp3	77,6
6BHE 32-34	3653200034	60	45	6"	-	-	-		513,0	491,5	418,1	387,3	314,0	186,2	Rp3	79,7
6BHE 32-35	3653200035	60	45	6"	-	-	-		520,5	491,5	429,5	397,7	322,0	190,2	Rp3	81,8
6BHE 32-36	3653200036	60	45	6"	-	-	-		534,5	504,9	440,8	408,0	329,9	194,2	Rp3	85,1
6BHE 32-37	3653200037	60	45	6"	-	-	-		548,1	517,6	452,0	418,2	337,7	198,0	Rp3	87,2
6BHE 32-38	3653200038	75	55	8"	-	-	-		581,2	549,2	481,6	448,2	368,6	229,2	Rp3	92,3
6BHE 32-39	3653200039	75	55	8"	-	-	-		595,8	563,1	493,7	459,4	377,6	234,4	Rp3	94,5
6BHE 32-40	3653200040	75	55	8"	-	-	-		610,5	577,0	505,8	470,6	386,6	239,6	Rp3	96,6
6BHE 32-41	3653200041	75	55	8"	-	-	-		625,2	590,9	517,9	481,7	395,6	244,7	Rp3	97,6
6BHE 32-42	3653200042	75	55	8"	-	-	-		639,8	604,7	529,9	492,8	404,5	249,8	Rp3	98,7
6BHE 32-43	3653200043	75	55	8"	-	-	-		654,4	618,5	542,0	503,9	413,3	254,8	Rp3	99,8

** Optional version with 4" motor: kit adaptor 6BHE 6"x 4" is mandatory (see page 383)
Price increase for double output cable cover: 94,00€

6BHE 48

6" borehole centrifugal pumps in AISI 304 (hydraulic only)



2 Poles																
Model	Code	Standard			Optional **			Q=Flow rate						DNM	Weight [kg]	
		HP	kW	Motor	HP	kW	Motor	l/min	416,5	500	583,5	666,5	833,5			1000
								m ³ /h	25	30	35	40	50			60
H=Total head [m]																
6BHE 48-2	3654800002	5,5	4	6"	4	3	4"		22,6	20,9	19,3	17,8	15,1	11,3	Rp3	13,5
6BHE 48-3	3654800003	5,5	4	6"	5,5	4	4"		33,8	31,2	28,8	26,6	22,5	16,8	Rp3	16,2
6BHE 48-4	3654800004	7,5	5,5	6"	7,5	5,5	4"		45,0	41,5	38,3	35,5	29,9	22,3	Rp3	18,8
6BHE 48-5	3654800005	10	7,5	6"	10	7,5	4"		56,8	52,3	48,3	44,7	37,8	28,4	Rp3	21,4
6BHE 48-6	3654800006	12,5	9,3	6"	-	-	-		70,0	65,2	60,4	55,5	46,0	35,7	Rp3	24,0
6BHE 48-7	3654800007	12,5	9,3	6"	-	-	-		80,4	74,8	69,3	63,5	52,7	40,5	Rp3	26,6
6BHE 48-8	3654800008	15	11	6"	-	-	-		91,6	85,1	78,9	72,2	59,9	46,0	Rp3	29,2
6BHE 48-9	3654800009	20	15	6"	-	-	-		105,5	98,2	91,0	83,7	69,5	54,1	Rp3	31,8
6BHE 48-10	3654800010	20	15	6"	-	-	-		116,1	108	100,1	91,9	76,2	59,0	Rp3	34,4
6BHE 48-11	3654800011	20	15	6"	-	-	-		126,5	117,6	109,0	99,9	82,8	63,7	Rp3	37,0
6BHE 48-12	3654800012	25	18,5	6"	-	-	-		140,0	130,3	120,8	110,9	92,0	71,4	Rp3	39,6
6BHE 48-13	3654800013	25	18,5	6"	-	-	-		150,5	140,0	129,8	119,0	98,7	76,3	Rp3	42,2
6BHE 48-14	3654800014	25	18,5	6"	-	-	-		160,9	149,5	138,7	127,0	105,3	81,0	Rp3	44,8
6BHE 48-15	3654800015	30	22	6"	-	-	-		174,1	161,9	150,1	137,7	114,3	88,4	Rp3	47,4
6BHE 48-16	3654800016	30	22	6"	-	-	-		184,5	171,5	159,1	145,8	120,9	93,2	Rp3	50,1
6BHE 48-17	3654800017	30	22	6"	-	-	-		194,7	181,0	167,8	153,6	127,3	97,8	Rp3	52,7
6BHE 48-18	3654800018	40	30	6"	-	-	-		212,3	197,6	183,1	168,6	139,9	109,2	Rp3	55,3
6BHE 48-19	3654800019	40	30	6"	-	-	-		223,1	207,7	192,5	177,0	146,9	114,4	Rp3	57,9
6BHE 48-20	3654800020	40	30	6"	-	-	-		233,8	217,6	201,7	185,3	153,7	119,5	Rp3	60,5
6BHE 48-21	3654800021	40	30	6"	-	-	-		244,4	227,4	210,8	193,5	160,5	124,4	Rp3	63,1
6BHE 48-22	3654800022	40	30	6"	-	-	-		254,9	237,0	219,8	201,6	167,2	129,3	Rp3	65,7
6BHE 48-23	3654800023	40	30	6"	-	-	-		265,2	246,6	228,6	209,5	173,8	134,0	Rp3	68,3
6BHE 48-24	3654800024	50	37	6"	-	-	-		279,8	260,3	241,3	221,6	183,8	142,6	Rp3	70,9
6BHE 48-25	3654800025	50	37	6"	-	-	-		290,3	270,0	250,3	229,7	190,6	147,5	Rp3	73,5
6BHE 48-26	3654800026	50	37	6"	-	-	-		300,7	279,6	259,3	237,8	197,2	152,3	Rp3	76,1
6BHE 48-27	3654800027	50	37	6"	-	-	-		311,1	289,2	268,2	245,7	203,7	157,0	Rp3	79,3
6BHE 48-28	3654800028	50	37	6"	-	-	-		321,3	298,6	276,9	253,6	210,2	161,7	Rp3	82,0
6BHE 48-29	3654800029	60	45	6"	-	-	-		338,7	315,1	292,1	268,3	222,6	172,9	Rp3	84,6
6BHE 48-30	3654800030	60	45	6"	-	-	-		349,2	324,9	301,1	276,5	229,4	177,8	Rp3	87,2
6BHE 48-31	3654800031	60	45	6"	-	-	-		359,6	334,5	310,1	284,5	236,0	182,6	Rp3	89,8
6BHE 48-32	3654800032	60	45	6"	-	-	-		370,0	344,1	319,0	292,5	242,6	187,4	Rp3	92,4
6BHE 48-33	3654800033	60	45	6"	-	-	-		380,3	353,5	327,8	300,4	249,1	192,0	Rp3	95,0
6BHE 48-34	3654800034	75	55	8"	-	-	-		410,9	383,1	354,8	328,0	271,9	215,7	Rp3	100,8
6BHE 48-35	3654800035	75	55	8"	-	-	-		422,3	393,7	364,6	337,0	279,4	221,4	Rp3	103,5
6BHE 48-36	3654800036	75	55	8"	-	-	-		433,7	404,3	374,4	345,9	286,8	227,0	Rp3	106,1
6BHE 48-37	3654800037	75	55	8"	-	-	-		445,0	414,8	384,1	354,8	294,2	233,6	Rp3	108,7
6BHE 48-38	3654800038	75	55	8"	-	-	-		456,3	425,3	393,8	363,7	301,6	238,2	Rp3	111,3
6BHE 48-39	3654800039	75	55	8"	-	-	-		467,5	435,7	403,5	372,5	308,9	243,8	Rp3	114,0
6BHE 48-40	3654800040	75	55	8"	-	-	-		478,7	446,1	413,1	381,3	316,2	249,3	Rp3	116,6

** Optional version with 4" motor: kit adaptor 6BHE 6"x 4" is mandatory (see page 383)

Price increase for double output cable cover: 94,00€

6BHE 64



6" borehole centrifugal pumps in AISI 304 (hydraulic only)

Model	Code	Standard			Optional **			Q=Flow rate						DNM	Weight [kg]
		HP	kW	Motor	HP	kW	Motor	l/min	H=Total head [m]						
									666,5	750	833,5	1000	1166,5		
								40	45	50	60	70	75		
6BHE 64-2	3656400002	5,5	4	6"	5	3,7	4"	21,1	19,0	17,3	15,7	13,9	12,4	Rp3	13,6
6BHE 64-3	3656400003	7,5	5,5	6"	7,5	5,5	4"	31,8	28,8	26,2	23,7	21,0	18,9	Rp3	16,2
6BHE 64-4	3656400004	10	7,5	6"	10	7,5	4"	42,5	38,4	35,0	31,6	28,0	25,2	Rp3	18,8
6BHE 64-5	3656400005	12,5	9,3	6"	-	-	-	53,8	48,7	44,3	40,1	35,6	32,2	Rp3	21,4
6BHE 64-6	3656400006	15	11	6"	-	-	-	64,0	57,9	52,7	47,7	42,3	38,1	Rp3	24,0
6BHE 64-7	3656400007	20	15	6"	-	-	-	76,2	70,1	65,2	58,6	52,1	46,1	Rp3	26,7
6BHE 64-8	3656400008	20	15	6"	-	-	-	86,0	79,1	73,5	66,1	58,5	51,6	Rp3	29,3
6BHE 64-9	3656400009	20	15	6"	-	-	-	95,5	87,8	81,5	73,4	64,6	56,8	Rp3	31,9
6BHE 64-10	3656400010	25	18,5	6"	-	-	-	107,6	99,0	91,9	82,7	73,2	64,6	Rp3	34,5
6BHE 64-11	3656400011	25	18,5	6"	-	-	-	117,2	107,8	100,1	90,0	79,4	69,8	Rp3	37,1
6BHE 64-12	3656400012	30	22	6"	-	-	-	128,9	118,5	110,1	99,1	87,6	77,3	Rp3	39,7
6BHE 64-13	3656400013	30	22	6"	-	-	-	138,5	127,3	118,2	106,4	93,8	82,5	Rp3	42,3
6BHE 64-14	3656400014	40	30	6"	-	-	-	153,3	141,0	131,1	118,0	104,9	93,0	Rp3	44,9
6BHE 64-15	3656400015	40	30	6"	-	-	-	163,4	150,2	139,6	125,7	111,5	98,7	Rp3	47,5
6BHE 64-16	3656400016	40	30	6"	-	-	-	173,3	159,3	148,0	133,2	118,1	104,3	Rp3	50,2
6BHE 64-17	3656400017	40	30	6"	-	-	-	183,0	168,3	156,3	140,7	124,4	109,8	Rp3	52,8
6BHE 64-18	3656400018	50	37	6"	-	-	-	195,5	179,8	167,0	150,3	133,3	117,9	Rp3	55,4
6BHE 64-19	3656400019	50	37	6"	-	-	-	205,3	188,8	175,4	157,9	139,8	123,5	Rp3	58,0
6BHE 64-20	3656400020	50	37	6"	-	-	-	215,0	197,7	183,7	165,3	146,2	128,9	Rp3	60,7
6BHE 64-21	3656400021	50	37	6"	-	-	-	224,6	206,5	191,8	172,6	152,4	134,2	Rp3	63,3
6BHE 64-22	3656400022	60	45	6"	-	-	-	239,2	219,9	204,4	183,9	163,2	144,3	Rp3	65,9
6BHE 64-23	3656400023	60	45	6"	-	-	-	249,0	229,0	212,7	191,4	169,6	149,8	Rp3	68,5
6BHE 64-24	3656400024	60	45	6"	-	-	-	258,7	237,9	221,0	198,9	176,0	155,3	Rp3	71,1
6BHE 64-25	3656400025	60	45	6"	-	-	-	268,4	246,7	229,2	206,2	182,2	160,6	Rp3	73,7
6BHE 64-26	3656400026	60	45	6"	-	-	-	277,9	255,5	237,3	213,5	188,3	165,8	Rp3	76,3
6BHE 64-27	3656400027	75	55	8"	-	-	-	303,0	278,8	259,3	233,4	208,5	186,4	Rp3	82,6
6BHE 64-28	3656400028	75	55	8"	-	-	-	313,5	288,5	268,3	241,5	215,7	192,6	Rp3	85,3
6BHE 64-29	3656400029	75	55	8"	-	-	-	324,0	298,1	277,2	249,5	222,8	198,8	Rp3	87,9
6BHE 64-30	3656400030	75	55	8"	-	-	-	334,5	307,7	286,1	257,6	229,8	204,9	Rp3	90,5
6BHE 64-31	3656400031	75	55	8"	-	-	-	344,9	317,3	295,0	265,5	236,8	211,0	Rp3	93,2

** Optional version with 4" motor: kit adaptor 6BHE 6"x 4" is mandatory (see page 383)
 Price increase for double output cable cover: 94,00€

6BHEL



6" borehole centrifugal pumps in AISI 316 (hydraulic only)

6" borehole centrifugal pumps suitable for domestic and industrial water supply, boosters, irrigation and community waterworks.



Sturdy design,
corrosion
resistant



Suitable for
horizontal
operation

Materials

External casing	AISI 316
Impeller	AISI 316
Shaft	AISI 316 + AISI 329
Discharge casing	AISI 316
Motor connection	AISI 316

Technical data

Max. immersion	350 m water filled motor 150 m oil filled motor
Max. temperature of the liquid	-5°C ÷ +60°C
Max. sand content	100 gr/m ³
Poles	2
Insulation class	F (4"-6" OY), (6"-8" WY) B (4" WY)
Protection degree	IP58 (OY) IP68 (WY)
Voltage	Three phase 380-415V ±10% OY Three phase 380-415V -10%+6% WY

Accessories



Capacitors

Page 381 - **Capacitors 450V**



Floats

Page 379 - **Key floats with counterweight**



6BHE(L) adaptor kit

Page 383 - **Kit adaptor 6BHE(L) 6"x 4"**



Control panels and Control systems

Page 366 - **Presscomfort**

Pressure regulator

Page 364 - **E-power**

Variable speed control systems

Page 362 - **E-drive**

Variable speed control systems

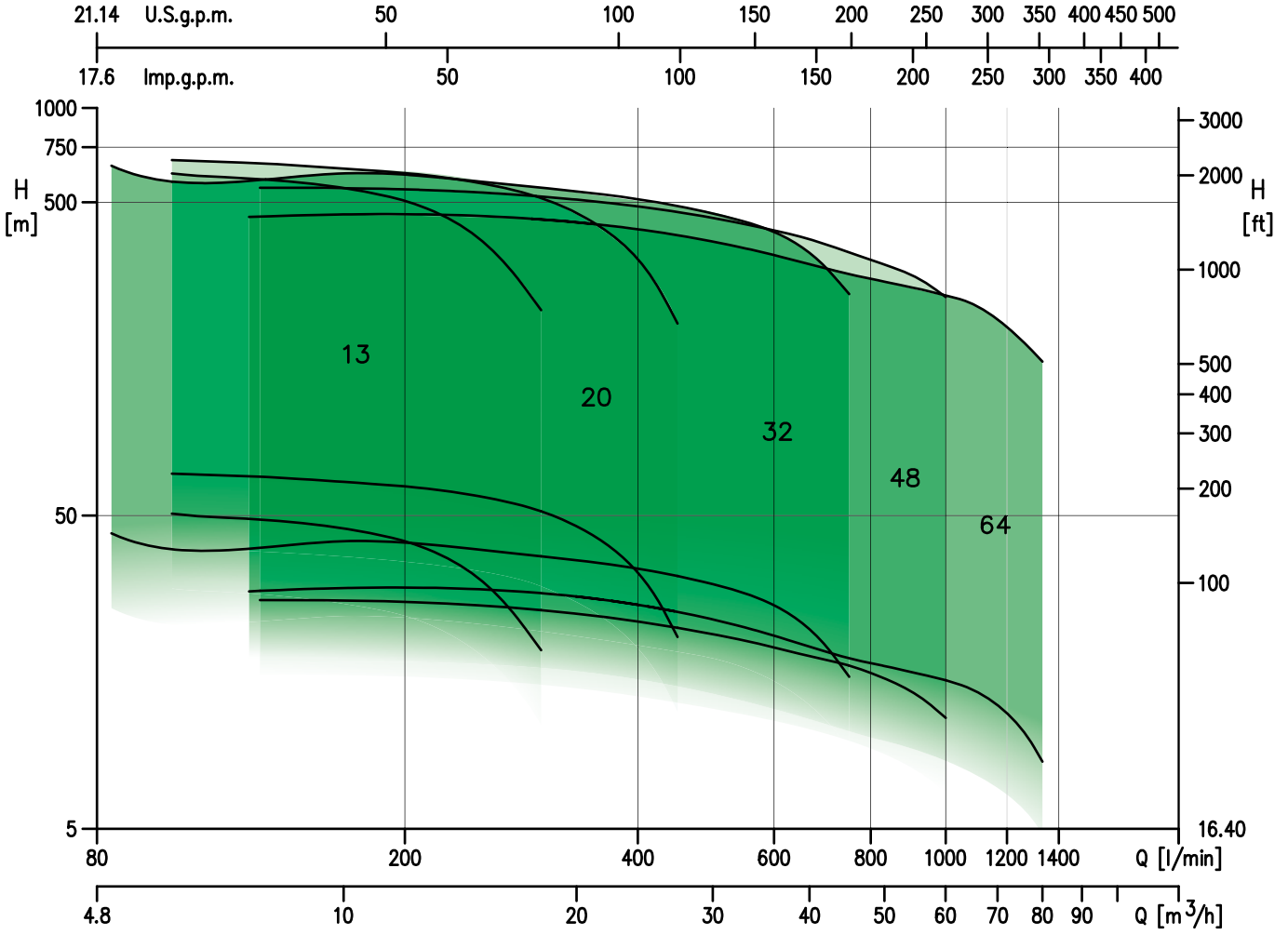
Page 367 - **Control panels**

1EP-E - SMART

6BHEL



6" borehole centrifugal pumps in AISI 316 (hydraulic only)



6BHEL 13

6" borehole centrifugal pumps in AISI 316 (hydraulic only)



2 Poles																
Model	Code	Standard			Optional **			Q=Flow rate							DNM	Weight [kg]
		HP	kW	Motor	HP	kW	Motor	l/min	H=Total head [m]							
									100	133	167	200	250	300		
							m³/h	6	8	10	12	15	18			
6BHEL 13-5*	3651303005	5,5	4	6"	3	2,2	4"		50,7	48,4	45,4	41,4	31,3	18,6	Rp2½	11,5
6BHEL 13-6*	3651303006	5,5	4	6"	5	3,7	4"		60,8	58,1	54,5	49,7	37,5	22,3	Rp2½	13,0
6BHEL 13-7*	3651303007	5,5	4	6"	5	3,7	4"		71,0	67,8	63,6	58,0	43,8	26,0	Rp2½	13,0
6BHEL 13-8*	3651303008	5,5	4	6"	5	3,7	4"		81,1	77,5	72,7	66,3	50,0	29,7	Rp2½	14,0
6BHEL 13-9*	3651303009	7,5	5,5	6"	7,5	5,5	4"		91,2	87,2	81,8	74,6	56,3	33,4	Rp2½	14,5
6BHEL 13-10*	3651303010	7,5	5,5	6"	7,5	5,5	4"		101,4	96,9	90,9	82,9	62,5	37,1	Rp2½	15,0
6BHEL 13-11*	3651303011	7,5	5,5	6"	7,5	5,5	4"		111,5	106,6	100,0	91,2	68,8	40,8	Rp2½	16,0
6BHEL 13-12*	3651303012	7,5	5,5	6"	7,5	5,5	4"		121,7	116,3	109,1	99,5	75,0	44,6	Rp2½	16,8
6BHEL 13-13*	3651303013	7,5	5,5	6"	7,5	5,5	4"		131,8	125,9	118,1	107,7	81,3	48,3	Rp2½	17,5
6BHEL 13-14*	3651303014	10	7,5	6"	10	7,5	4"		141,9	135,6	127,2	116,0	87,5	52,0	Rp2½	18,5
6BHEL 13-15*	3651303015	10	7,5	6"	10	7,5	4"		152,1	145,3	136,3	124,3	93,8	55,7	Rp2½	19,2
6BHEL 13-16*	3651303016	10	7,5	6"	10	7,5	4"		162,2	155,0	145,4	132,6	100,0	59,4	Rp2½	19,8
6BHEL 13-17*	3651303017	10	7,5	6"	10	7,5	4"		172,3	164,7	154,5	140,9	106,3	63,1	Rp2½	20,5
6BHEL 13-18*	3651303018	12,5	9,3	6"	-	-	-		182,5	174,4	163,6	149,2	112,5	66,8	Rp2½	21,3
6BHEL 13-19*	3651303019	12,5	9,3	6"	-	-	-		192,6	184,1	172,7	157,5	118,8	70,5	Rp2½	22,0
6BHEL 13-20*	3651303020	12,5	9,3	6"	-	-	-		202,8	193,8	181,8	165,8	125,0	74,3	Rp2½	23,0
6BHEL 13-21*	3651303021	12,5	9,3	6"	-	-	-		212,9	203,4	190,8	174,0	131,3	78,0	Rp2½	23,5
6BHEL 13-22*	3651303022	12,5	9,3	6"	-	-	-		223,0	213,1	199,9	182,3	137,5	81,7	Rp2½	24,0
6BHEL 13-23*	3651303023	15	11	6"	-	-	-		233,2	222,8	209,0	190,6	143,8	85,4	Rp2½	25,0
6BHEL 13-24*	3651303024	15	11	6"	-	-	-		243,3	232,5	218,1	198,9	150,0	89,1	Rp2½	25,5
6BHEL 13-25*	3651303025	15	11	6"	-	-	-		253,4	242,2	227,2	207,2	156,3	92,8	Rp2½	26,5
6BHEL 13-26*	3651303026	15	11	6"	-	-	-		263,6	251,9	236,3	215,5	162,5	96,5	Rp2½	27,0
6BHEL 13-27*	3651303027	20	15	6"	-	-	-		273,7	261,6	245,4	223,8	168,8	100,2	Rp2½	29,0
6BHEL 13-28*	3651303028	20	15	6"	-	-	-		283,9	271,3	254,5	232,1	175,0	104,0	Rp2½	29,0
6BHEL 13-29*	3651303029	20	15	6"	-	-	-		294,0	280,9	263,5	240,3	181,3	107,7	Rp2½	30,5
6BHEL 13-30*	3651303030	20	15	6"	-	-	-		304,1	290,6	272,6	248,6	187,5	111,4	Rp2½	30,8
6BHEL 13-31*	3651303031	20	15	6"	-	-	-		314,3	300,3	281,7	256,9	193,8	115,1	Rp2½	31,0
6BHEL 13-32*	3651303032	20	15	6"	-	-	-		324,4	310,0	290,8	265,2	200,0	118,8	Rp2½	31,5
6BHEL 13-33*	3651303033	20	15	6"	-	-	-		334,5	319,7	299,9	273,5	206,3	122,5	Rp2½	32,5
6BHEL 13-34*	3651303034	20	15	6"	-	-	-		344,7	329,4	309,0	281,8	212,5	126,2	Rp2½	33,5
6BHEL 13-35*	3651303035	20	15	6"	-	-	-		354,8	339,1	318,1	290,1	218,8	129,9	Rp2½	34,0
6BHEL 13-36*	3651303036	20	15	6"	-	-	-		365,0	348,8	327,2	298,4	225,0	133,7	Rp2½	34,5
6BHEL 13-37*	3651303037	25	18,5	6"	-	-	-		375,1	358,4	336,2	306,6	231,3	137,4	Rp2½	35,3
6BHEL 13-38*	3651303038	25	18,5	6"	-	-	-		385,2	368,1	345,3	314,9	237,5	141,1	Rp2½	36,0
6BHEL 13-39*	3651303039	25	18,5	6"	-	-	-		395,4	377,8	354,4	323,2	243,8	144,8	Rp2½	37,3
6BHEL 13-40*	3651303040	25	18,5	6"	-	-	-		405,5	387,5	363,5	331,5	250,0	148,5	Rp2½	38,5
6BHEL 13-41*	3651303041	25	18,5	6"	-	-	-		415,6	397,2	372,6	339,8	256,3	152,2	Rp2½	38,8
6BHEL 13-42*	3651303042	25	18,5	6"	-	-	-		425,8	406,9	381,7	348,1	262,5	155,9	Rp2½	39,0
6BHEL 13-43*	3651303043	25	18,5	6"	-	-	-		435,9	416,6	390,8	356,4	268,8	159,6	Rp2½	39,8
6BHEL 13-44*	3651303044	25	18,5	6"	-	-	-		446,1	426,3	399,9	364,7	275,0	163,4	Rp2½	40,5
6BHEL 13-45*	3651303045	30	22	6"	-	-	-		456,2	435,9	408,9	372,9	281,3	167,1	Rp2½	41,3
6BHEL 13-46*	3651303046	30	22	6"	-	-	-		466,3	445,6	418,0	381,2	287,5	170,8	Rp2½	42,0
6BHEL 13-47*	3651303047	30	22	6"	-	-	-		476,5	455,3	427,1	389,5	293,8	174,5	Rp2½	43,0
6BHEL 13-48*	3651303048	30	22	6"	-	-	-		486,6	465,0	436,2	397,8	300,0	178,2	Rp2½	44,0
6BHEL 13-49*	3651303049	30	22	6"	-	-	-		496,7	474,7	445,3	406,1	306,3	181,9	Rp2½	45,0
6BHEL 13-50*	3651303050	30	22	6"	-	-	-		506,9	484,4	454,4	414,4	312,5	185,6	Rp2½	46,0
6BHEL 13-51*	3651303051	30	22	6"	-	-	-		517,0	494,1	463,5	422,7	318,8	189,3	Rp2½	47,0

* Models that do not comply with EuP Directive and their sale in EU is restricted exclusively to the kit for fire-fighting units.

** Optional version with 4" motor: kit adaptor 6BHE 6"x 4" is mandatory (see page 383)

Price increase for double output cable cover: 94,00€

6BHEL

6BHEL 13



6" borehole centrifugal pumps in AISI 316 (hydraulic only)

															2 Poles	
Model	Code	Standard			Optional **			Q=Flow rate						DNM	Weight [kg]	
		HP	kW	Motor	HP	kW	Motor	l/min	100	133	167	200	250			300
									6	8	10	12	15			18
							H=Total head [m]									
6BHEL 13-52*	3651303052	30	22	6"	-	-	-		527,2	503,8	472,6	431,0	325,0	193,1	Rp2½	48,0
6BHEL 13-53*	3651303053	40	30	6"	-	-	-		537,3	513,4	481,6	439,2	331,3	196,8	Rp2½	48,8
6BHEL 13-54*	3651303054	40	30	6"	-	-	-		547,4	523,1	490,7	447,5	337,5	200,5	Rp2½	49,7
6BHEL 13-55*	3651303055	40	30	6"	-	-	-		557,6	532,8	499,8	455,8	343,8	204,2	Rp2½	50,5
6BHEL 13-56*	3651303056	40	30	6"	-	-	-		567,7	542,5	508,9	464,1	350,0	207,9	Rp2½	51,3
6BHEL 13-57*	3651303057	40	30	6"	-	-	-		577,8	552,2	518,0	472,4	356,3	211,6	Rp2½	52,2
6BHEL 13-58*	3651303058	40	30	6"	-	-	-		588,0	561,9	527,1	480,7	362,5	215,3	Rp2½	53,0
6BHEL 13-59*	3651303059	40	30	6"	-	-	-		598,1	571,6	536,2	489,0	368,8	219,0	Rp2½	54,0
6BHEL 13-60*	3651303060	40	30	6"	-	-	-		608,3	581,3	545,3	497,3	375,0	222,8	Rp2½	55,0
6BHEL 13-61*	3651303061	40	30	6"	-	-	-		618,4	590,9	554,3	505,5	381,3	226,5	Rp2½	56,0

* Models that do not comply with EuP Directive and their sale in EU is restricted exclusively to the kit for fire-fighting units.

** Optional version with 4" motor: kit adaptor 6BHE 6"x 4" is mandatory (see page 383)

Price increase for double output cable cover: 94,00€



6BHEL 20

6" borehole centrifugal pumps in AISI 316 (hydraulic only)



2 Poles																
Model	Code	Standard			Optional **			Q=Flow rate							DNM	Weight [kg]
		HP	kW	Motor	HP	kW	Motor	l/min	100	167	200	250	350	450		
									m³/h	6	10	12	15	21		
H=Total head [m]																
6BHEL 20-6	3652063006	5,5	4	6"	5	3,7	4"		68,0	64,0	62,0	57,6	43,2	20,5	Rp2½	12,5
6BHEL 20-7	3652003007	7,5	5,5	6"	7,5	5,5	4"		79,0	74,7	72,3	67,2	50,4	23,9	Rp2½	13,5
6BHEL 20-8	3652003008	7,5	5,5	6"	7,5	5,5	4"		90,9	85,3	82,7	76,8	57,6	27,4	Rp2½	14,3
6BHEL 20-9	3652063009	7,5	5,5	6"	7,5	5,5	4"		102,0	96,0	93,0	86,4	64,8	30,8	Rp2½	15,0
6BHEL 20-10	3652003010	10	7,5	6"	10	7,5	4"		113,7	106,7	103,3	96,0	72,0	34,2	Rp2½	16,0
6BHEL 20-11	3652003011	10	7,5	6"	10	7,5	4"		125,0	117,3	113,7	105,6	79,2	37,6	Rp2½	17,0
6BHEL 20-12	3652003012	10	7,5	6"	10	7,5	4"		136,0	128,0	124,0	115,2	86,4	41,0	Rp2½	17,5
6BHEL 20-13	3652003013	12,5	9,3	6"	-	-	-		147,1	138,7	134,3	124,8	93,6	44,5	Rp2½	18,5
6BHEL 20-14	3652003014	12,5	9,3	6"	-	-	-		157,0	149,3	144,7	134,4	100,8	47,9	Rp2½	19,3
6BHEL 20-15	3652003015	12,5	9,3	6"	-	-	-		170,5	160,0	155,0	144,0	108,0	51,3	Rp2½	20,0
6BHEL 20-16	3652003016	15	11	6"	-	-	-		181,9	170,7	165,3	153,6	115,2	54,7	Rp2½	21,0
6BHEL 20-17	3652003017	15	11	6"	-	-	-		193,2	181,3	175,7	163,2	122,4	58,1	Rp2½	22,0
6BHEL 20-18	3652003018	15	11	6"	-	-	-		204,6	192,0	186,0	172,8	129,6	61,6	Rp2½	22,5
6BHEL 20-19	3652003019	20	15	6"	-	-	-		216,0	202,7	196,3	182,4	136,8	65,0	Rp2½	23,5
6BHEL 20-20	3652003020	20	15	6"	-	-	-		227,3	213,3	206,7	192,0	144,0	68,4	Rp2½	24,0
6BHEL 20-21	3652003021	20	15	6"	-	-	-		238,7	224,0	217,0	201,6	151,2	71,8	Rp2½	25,0
6BHEL 20-22	3652003022	20	15	6"	-	-	-		250,0	234,7	227,3	211,2	158,4	75,2	Rp2½	26,0
6BHEL 20-23	3652003023	20	15	6"	-	-	-		261,4	245,3	237,7	220,8	165,6	78,7	Rp2½	26,5
6BHEL 20-24	3652003024	20	15	6"	-	-	-		272,8	256,0	248,0	230,4	172,8	82,1	Rp2½	27,5
6BHEL 20-25	3652003025	25	18,5	6"	-	-	-		284,2	266,7	258,3	240,0	180,0	85,5	Rp2½	28,3
6BHEL 20-26	3652003026	25	18,5	6"	-	-	-		295,5	277,3	268,7	249,6	187,2	88,9	Rp2½	29,0
6BHEL 20-27	3652003027	25	18,5	6"	-	-	-		306,0	288,0	279,0	259,2	194,4	92,3	Rp2½	31,0
6BHEL 20-28	3652003028	25	18,5	6"	-	-	-		318,3	298,7	289,3	268,8	201,6	95,8	Rp2½	31,0
6BHEL 20-29	3652003029	25	18,5	6"	-	-	-		329,6	309,3	299,7	278,4	208,8	99,2	Rp2½	31,5
6BHEL 20-30	3652003030	25	18,5	6"	-	-	-		341,0	320,0	310,0	288,0	216,0	102,6	Rp2½	32,5
6BHEL 20-31	3652003031	30	22	6"	-	-	-		352,4	330,7	320,3	297,6	223,2	106,0	Rp2½	33,3
6BHEL 20-32	3652003032	30	22	6"	-	-	-		363,7	341,3	330,7	307,2	230,4	109,4	Rp2½	34,0
6BHEL 20-33	3652003033	30	22	6"	-	-	-		375,1	352,0	341,0	316,8	237,6	112,9	Rp2½	35,0
6BHEL 20-34	3652003034	30	22	6"	-	-	-		386,5	362,7	351,3	326,4	244,8	116,3	Rp2½	35,7
6BHEL 20-35	3652003035	30	22	6"	-	-	-		397,8	373,3	361,7	336,0	252,0	119,7	Rp2½	36,3
6BHEL 20-36	3652003036	30	22	6"	-	-	-		409,2	384,0	372,0	345,6	259,2	123,1	Rp2½	37,0
6BHEL 20-37	3652003037	40	30	6"	-	-	-		420,6	394,7	382,3	355,2	266,4	126,5	Rp2½	38,4
6BHEL 20-38	3652003038	40	30	6"	-	-	-		431,9	405,3	392,7	364,8	273,6	130,0	Rp2½	39,8
6BHEL 20-39	3652003039	40	30	6"	-	-	-		443,0	416,0	403,0	374,4	280,8	133,4	Rp2½	40,0
6BHEL 20-40	3652003040	40	30	6"	-	-	-		455,0	426,7	413,3	384,0	288,0	136,8	Rp2½	40,5
6BHEL 20-41	3652003041	40	30	6"	-	-	-		466,0	437,3	423,7	393,6	295,2	140,2	Rp2½	41,8
6BHEL 20-42	3652003042	40	30	6"	-	-	-		477,0	448,0	434,0	403,2	302,4	143,6	Rp2½	43,0

** Optional version with 4" motor; kit adaptor 6BHE 6"x 4" is mandatory (see page 383)
Price increase for double output cable cover: 94,00€

6BHEL

6BHEL 20

6" borehole centrifugal pumps in AISI 316 (hydraulic only)



2 Poles																
Model	Code	Standard			Optional **			Q=Flow rate						DNM	Weight [kg]	
		HP	kW	Motor	HP	kW	Motor	l/min	100	167	200	250	350			450
								m ³ /h	6	10	12	15	21			27
H=Total head [m]																
6BHEL 20-43	3652003043	40	30	6"	-	-	-	489,0	458,7	444,3	412,8	309,6	147,1	Rp2½	44,0	
6BHEL 20-44	3652003044	40	30	6"	-	-	-	500,0	469,3	454,7	422,4	316,8	150,5	Rp2½	45,0	
6BHEL 20-45	3652003045	40	30	6"	-	-	-	511,5	480,0	465,0	432,0	324,0	153,9	Rp2½	46,0	
6BHEL 20-46	3652003046	40	30	6"	-	-	-	523,0	490,7	475,3	441,6	331,2	157,3	Rp2½	47,0	
6BHEL 20-47	3652003047	40	30	6"	-	-	-	534,2	501,3	485,7	451,2	338,4	160,7	Rp2½	47,5	
6BHEL 20-48	3652003048	40	30	6"	-	-	-	545,6	512,0	496,0	460,8	345,6	164,2	Rp2½	48,0	
6BHEL 20-49	3652003049	40	30	6"	-	-	-	557,0	522,7	506,3	470,4	352,8	167,6	Rp2½	50,0	
6BHEL 20-50	3652003050	50	37	6"	-	-	-	568,3	533,3	516,7	480,0	360,0	171,0	Rp2½	51,0	
6BHEL 20-51	3652003051	50	37	6"	-	-	-	579,7	544,0	527,0	489,6	367,2	174,4	Rp2½	52,0	
6BHEL 20-52	3652003052	50	37	6"	-	-	-	591,1	554,7	537,3	499,2	374,4	177,8	Rp2½	53,0	
6BHEL 20-53	3652003053	50	37	6"	-	-	-	602,4	565,3	547,7	508,8	381,6	181,3	Rp2½	54,0	
6BHEL 20-54	3652003054	50	37	6"	-	-	-	613,8	576,0	558,0	518,4	388,8	184,7	Rp2½	55,0	
6BHEL 20-55	3652003055	50	37	6"	-	-	-	625,2	586,7	568,3	528,0	396,0	188,1	Rp2½	56,0	
6BHEL 20-56	3652003056	50	37	6"	-	-	-	636,5	597,3	578,7	537,6	403,2	191,5	Rp2½	57,0	
6BHEL 20-57	3652003057	50	37	6"	-	-	-	647,9	608,0	589,0	547,2	410,4	194,9	Rp2½	58,0	
6BHEL 20-58	3652003058	50	37	6"	-	-	-	659,3	618,7	599,3	556,8	417,6	198,4	Rp2½	59,0	
6BHEL 20-59	3652003059	50	37	6"	-	-	-	670,6	629,3	609,7	566,4	424,8	201,8	Rp2½	60,0	
6BHEL 20-60	3652003060	50	37	6"	-	-	-	682,0	640,0	620,0	576,0	432,0	205,2	Rp2½	61,0	

** Optional version with 4" motor: kit adaptor 6BHE 6"x 4" is mandatory (see page 383)
 Price increase for double output cable cover: 94,00€

6BHEL 32

6" borehole centrifugal pumps in AISI 316 (hydraulic only)



2 Poles																
Model	Code	Standard			Optional **			Q=Flow rate							DNM	Weight [kg]
		HP	kW	Motor	HP	kW	Motor	l/min	83,5	166,5	333,5	416,5	583,5	750		
									m³/h	5	10	20	25	35		
H=Total head [m]																
6BHEL 32-3	3653203003	5,5	4	6"	5	3,7	4"		43,9	41,4	36,0	33,3	26,7	15,3	Rp3	14,7
6BHEL 32-4	3653203004	7,5	5,5	6"	7,5	5,5	4"		59,5	56,0	48,8	45,2	36,5	21,4	Rp3	16,8
6BHEL 32-5	3653203005	10	7,5	6"	10	7,5	4"		74,2	70,2	61,5	56,9	46,1	27,4	Rp3	18,9
6BHEL 32-6	3653203006	10	7,5	6"	10	7,5	4"		88,4	83,4	72,6	67,1	54,0	31,2	Rp3	21,0
6BHEL 32-7	3653203007	12,5	9,3	6"	-	-	-		104,2	98,4	86,0	79,7	64,6	38,4	Rp3	23,1
6BHEL 32-8	3653203008	15	11	6"	-	-	-		119,4	113,3	98,1	90,9	73,6	43,5	Rp3	25,4
6BHEL 32-9	3653203009	15	11	6"	-	-	-		132,7	125,3	109,3	101,1	81,4	47,3	Rp3	27,3
6BHEL 32-10	3653203010	20	15	6"	-	-	-		149,9	141,6	123,8	114,9	93,5	56,1	Rp3	29,4
6BHEL 32-11	3653203011	20	15	6"	-	-	-		163,9	154,8	135,3	125,4	101,7	60,4	Rp3	31,5
6BHEL 32-12	3653203012	20	15	6"	-	-	-		177,8	167,9	146,6	135,7	109,6	64,4	Rp3	33,6
6BHEL 32-13	3653203013	25	18,5	6"	-	-	-		194,0	183,7	160,6	148,9	121,1	72,4	Rp3	35,7
6BHEL 32-14	3653203014	25	18,5	6"	-	-	-		208,5	196,9	172,1	159,4	129,2	76,7	Rp3	37,8
6BHEL 32-15	3653203015	30	22	6"	-	-	-		224,6	212,2	185,5	172,1	140,0	84,0	Rp3	39,9
6BHEL 32-16	3653203016	30	22	6"	-	-	-		238,7	225,5	197,1	182,6	148,3	88,3	Rp3	42,0
6BHEL 32-17	3653203017	30	22	6"	-	-	-		252,6	238,5	208,4	193,0	156,4	92,5	Rp3	44,1
6BHEL 32-18	3653203018	30	22	6"	-	-	-		226,8	251,8	219,7	203,3	164,3	96,5	Rp3	46,1
6BHEL 32-19	3653203019	40	30	6"	-	-	-		286,0	270,5	236,8	219,9	179,7	109,1	Rp3	48,2
6BHEL 32-20	3653203020	40	30	6"	-	-	-		300,6	284,0	248,6	230,7	188,2	113,8	Rp3	50,3
6BHEL 32-21	3653203021	40	30	6"	-	-	-		315,0	297,4	260,2	241,5	196,7	118,3	Rp3	52,4
6BHEL 32-22	3653203022	40	30	6"	-	-	-		329,1	310,9	271,8	252,1	205,0	122,7	Rp3	54,5
6BHEL 32-23	3653203023	40	30	6"	-	-	-		343,2	324,1	283,4	262,6	213,2	127,0	Rp3	56,6
6BHEL 32-24	3653203024	40	30	6"	-	-	-		357,2	337,3	294,8	273,1	221,4	131,2	Rp3	58,7
6BHEL 32-25	3653203025	50	37	6"	-	-	-		374,5	353,8	309,4	287,0	233,5	140,1	Rp3	60,8
6BHEL 32-26	3653203026	50	37	6"	-	-	-		388,1	367,0	320,9	297,5	241,8	144,5	Rp3	62,9
6BHEL 32-27	3653203027	50	37	6"	-	-	-		402,6	380,3	332,4	308,1	250,0	148,8	Rp3	65,0
6BHEL 32-28	3653203028	50	37	6"	-	-	-		416,7	393,5	343,8	318,5	258,1	152,9	Rp3	67,2
6BHEL 32-29	3653203029	50	37	6"	-	-	-		430,5	406,5	355,2	328,9	266,2	157,0	Rp3	69,2
6BHEL 32-30	3653203030	50	37	6"	-	-	-		436,0	420,0	366,4	339,1	274,1	160,9	Rp3	71,3
6BHEL 32-31	3653203031	60	45	6"	-	-	-		464,3	438,6	383,6	355,8	289,4	173,6	Rp3	72,4
6BHEL 32-32	3653203032	60	45	6"	-	-	-		478,5	451,9	395,2	366,4	297,7	177,9	Rp3	75,5
6BHEL 32-33	3653203033	60	45	6"	-	-	-		492,5	465,2	406,7	376,9	305,9	182,1	Rp3	77,6
6BHEL 32-34	3653203034	60	45	6"	-	-	-		513,0	491,5	418,1	387,3	314,0	186,2	Rp3	79,7
6BHEL 32-35	3653203035	60	45	6"	-	-	-		520,5	491,5	429,5	397,7	322,0	190,2	Rp3	81,8
6BHEL 32-36	3653203036	60	45	6"	-	-	-		534,5	504,9	440,8	408,0	329,9	194,2	Rp3	85,1
6BHEL 32-37	3653203037	60	45	6"	-	-	-		548,1	517,6	452,0	418,2	337,7	198,0	Rp3	87,2
6BHEL 32-38	3653203038	75	55	8"	-	-	-		581,2	549,2	481,6	448,2	368,6	229,2	Rp3	92,3
6BHEL 32-39	3653203039	75	55	8"	-	-	-		595,8	563,1	493,7	459,4	377,6	234,4	Rp3	94,5
6BHEL 32-40	3653203040	75	55	8"	-	-	-		610,5	577,0	505,8	470,6	386,6	239,6	Rp3	96,6
6BHEL 32-41	3653203041	75	55	8"	-	-	-		625,2	590,9	517,9	481,7	395,6	244,7	Rp3	97,6
6BHEL 32-42	3653203042	75	55	8"	-	-	-		639,8	604,7	529,9	492,8	404,5	249,8	Rp3	98,7
6BHEL 32-43	3653203043	75	55	8"	-	-	-		654,4	618,5	542,0	503,9	413,3	254,8	Rp3	99,8

** Optional version with 4" motor: kit adaptor 6BHE 6"x 4" is mandatory (see page 383)
 Price increase for double output cable cover: 94,00€

6BHEL

6BHEL 48



6" borehole centrifugal pumps in AISI 316 (hydraulic only)

2 Poles																
Model	Code	Standard			Optional **			Q=Flow rate						DNM	Weight [kg]	
		HP	kW	Motor	HP	kW	Motor	l/min	416,5	500	583,5	666,5	833,5			1000
									m ³ /h	25	30	35	40			50
								H=Total head [m]								
6BHEL 48-2	3654803002	5,5	4	6"	4	3	4"		22,6	20,9	19,3	17,8	15,1	11,3	Rp3	13,5
6BHEL 48-3	3654803003	5,5	4	6"	5,5	4	4"		33,8	31,2	28,8	26,6	22,5	16,8	Rp3	16,2
6BHEL 48-4	3654803004	7,5	5,5	6"	7,5	5,5	4"		45,0	41,5	38,3	35,5	29,9	22,3	Rp3	18,8
6BHEL 48-5	3654803005	10	7,5	6"	10	7,5	4"		56,8	52,3	48,3	44,7	37,8	28,4	Rp3	21,4
6BHEL 48-6	3654803006	12,5	9,3	6"	-	-	-		70,0	65,2	60,4	55,5	46,0	35,7	Rp3	24,0
6BHEL 48-7	3654803007	12,5	9,3	6"	-	-	-		80,4	74,8	69,3	63,5	52,7	40,5	Rp3	26,6
6BHEL 48-8	3654803008	15	11	6"	-	-	-		91,6	85,1	78,9	72,2	59,9	46,0	Rp3	29,2
6BHEL 48-9	3654803009	20	15	6"	-	-	-		105,5	98,2	91,0	83,7	69,5	54,1	Rp3	31,8
6BHEL 48-10	3654803010	20	15	6"	-	-	-		116,1	108	100,1	91,9	76,2	59,0	Rp3	34,4
6BHEL 48-11	3654803011	20	15	6"	-	-	-		126,5	117,6	109,0	99,9	82,8	63,7	Rp3	37,0
6BHEL 48-12	3654803012	25	18,5	6"	-	-	-		140,0	130,3	120,8	110,9	92,0	71,4	Rp3	39,6
6BHEL 48-13	3654803013	25	18,5	6"	-	-	-		150,5	140,0	129,8	119,0	98,7	76,3	Rp3	42,2
6BHEL 48-14	3654803014	25	18,5	6"	-	-	-		160,9	149,5	138,7	127,0	105,3	81,0	Rp3	44,8
6BHEL 48-15	3654803015	30	22	6"	-	-	-		174,1	161,9	150,1	137,7	114,3	88,4	Rp3	47,4
6BHEL 48-16	3654803016	30	22	6"	-	-	-		184,5	171,5	159,1	145,8	120,9	93,2	Rp3	50,1
6BHEL 48-17	3654803017	30	22	6"	-	-	-		194,7	181,0	167,8	153,6	127,3	97,8	Rp3	52,7
6BHEL 48-18	3654803018	40	30	6"	-	-	-		212,3	197,6	183,1	168,6	139,9	109,2	Rp3	55,3
6BHEL 48-19	3654803019	40	30	6"	-	-	-		223,1	207,7	192,5	177,0	146,9	114,4	Rp3	57,9
6BHEL 48-20	3654803020	40	30	6"	-	-	-		233,8	217,6	201,7	185,3	153,7	119,5	Rp3	60,5
6BHEL 48-21	3654803021	40	30	6"	-	-	-		244,4	227,4	210,8	193,5	160,5	124,4	Rp3	63,1
6BHEL 48-22	3654803022	40	30	6"	-	-	-		254,9	237,0	219,8	201,6	167,2	129,3	Rp3	65,7
6BHEL 48-23	3654803023	40	30	6"	-	-	-		265,2	246,6	228,6	209,5	173,8	134,0	Rp3	68,3
6BHEL 48-24	3654803024	50	37	6"	-	-	-		279,8	260,3	241,3	221,6	183,8	142,6	Rp3	70,9
6BHEL 48-25	3654803025	50	37	6"	-	-	-		290,3	270,0	250,3	229,7	190,6	147,5	Rp3	73,5
6BHEL 48-26	3654803026	50	37	6"	-	-	-		300,7	279,6	259,3	237,8	197,2	152,3	Rp3	76,1
6BHEL 48-27	3654803027	50	37	6"	-	-	-		311,1	289,2	268,2	245,7	203,7	157,0	Rp3	79,3
6BHEL 48-28	3654803028	50	37	6"	-	-	-		321,3	298,6	276,9	253,6	210,2	161,7	Rp3	82,0
6BHEL 48-29	3654803029	60	45	6"	-	-	-		338,7	315,1	292,1	268,3	222,6	172,9	Rp3	84,6
6BHEL 48-30	3654803030	60	45	6"	-	-	-		349,2	324,9	301,1	276,5	229,4	177,8	Rp3	87,2
6BHEL 48-31	3654803031	60	45	6"	-	-	-		359,6	334,5	310,1	284,5	236,0	182,6	Rp3	89,8
6BHEL 48-32	3654803032	60	45	6"	-	-	-		370,0	344,1	319,0	292,5	242,6	187,4	Rp3	92,4
6BHEL 48-33	3654803033	60	45	6"	-	-	-		380,3	353,5	327,8	300,4	249,1	192,0	Rp3	95,0
6BHEL 48-34	3654803034	75	55	8"	-	-	-		410,9	383,1	354,8	328,0	271,9	215,7	Rp3	100,8
6BHEL 48-35	3654803035	75	55	8"	-	-	-		422,3	393,7	364,6	337,0	279,4	221,4	Rp3	103,5
6BHEL 48-36	3654803036	75	55	8"	-	-	-		433,7	404,3	374,4	345,9	286,8	227,0	Rp3	106,1
6BHEL 48-37	3654803037	75	55	8"	-	-	-		445,0	414,8	384,1	354,8	294,2	233,6	Rp3	108,7
6BHEL 48-38	3654803038	75	55	8"	-	-	-		456,3	425,3	393,8	363,7	301,6	238,2	Rp3	111,3
6BHEL 48-39	3654803039	75	55	8"	-	-	-		467,5	435,7	403,5	372,5	308,9	243,8	Rp3	114,0
6BHEL 48-40	3654803040	75	55	8"	-	-	-		478,7	446,1	413,1	381,3	316,2	249,3	Rp3	116,6

** Optional version with 4" motor: kit adaptor 6BHE 6"x 4" is mandatory (see page 383)
 Price increase for double output cable cover: 94,00€

6BHEL 64



6" borehole centrifugal pumps in AISI 316 (hydraulic only)

2 Poles																
Model	Code	Standard			Optional **			Q=Flow rate							DNM	Weight [kg]
		HP	kW	Motor	HP	kW	Motor	l/min	666,5	750	833,5	1000	1166,5	1250		
									m ³ /h	40	45	50	60	70		
H=Total head [m]																
6BHEL 64-2	3656403002	5,5	4	6"	5	3,7	4"		21,1	19,0	17,3	15,7	13,9	12,4	Rp3	13,6
6BHEL 64-3	3656403003	7,5	5,5	6"	7,5	5,5	4"		31,8	28,8	26,2	23,7	21,0	18,9	Rp3	16,2
6BHEL 64-4	3656403004	10	7,5	6"	10	7,5	4"		42,5	38,4	35,0	31,6	28,0	25,2	Rp3	18,8
6BHEL 64-5	3656403005	12,5	9,3	6"	-	-	-		53,8	48,7	44,3	40,1	35,6	32,2	Rp3	21,4
6BHEL 64-6	3656403006	15	11	6"	-	-	-		64,0	57,9	52,7	47,7	42,3	38,1	Rp3	24,0
6BHEL 64-7	3656403007	20	15	6"	-	-	-		76,2	70,1	65,2	58,6	52,1	46,1	Rp3	26,7
6BHEL 64-8	3656403008	20	15	6"	-	-	-		86,0	79,1	73,5	66,1	58,5	51,6	Rp3	29,3
6BHEL 64-9	3656403009	20	15	6"	-	-	-		95,5	87,8	81,5	73,4	64,6	56,8	Rp3	31,9
6BHEL 64-10	3656403010	25	18,5	6"	-	-	-		107,6	99,0	91,9	82,7	73,2	64,6	Rp3	34,5
6BHEL 64-11	3656403011	25	18,5	6"	-	-	-		117,2	107,8	100,1	90,0	79,4	69,8	Rp3	37,1
6BHEL 64-12	3656403012	30	22	6"	-	-	-		128,9	118,5	110,1	99,1	87,6	77,3	Rp3	39,7
6BHEL 64-13	3656403013	30	22	6"	-	-	-		138,5	127,3	118,2	106,4	93,8	82,5	Rp3	42,3
6BHEL 64-14	3656403014	40	30	6"	-	-	-		153,3	141,0	131,1	118,0	104,9	93,0	Rp3	44,9
6BHEL 64-15	3656403015	40	30	6"	-	-	-		163,4	150,2	139,6	125,7	111,5	98,7	Rp3	47,5
6BHEL 64-16	3656403016	40	30	6"	-	-	-		173,3	159,3	148,0	133,2	118,1	104,3	Rp3	50,2
6BHEL 64-17	3656403017	40	30	6"	-	-	-		183,0	168,3	156,3	140,7	124,4	109,8	Rp3	52,8
6BHEL 64-18	3656403018	50	37	6"	-	-	-		195,5	179,8	167,0	150,3	133,3	117,9	Rp3	55,4
6BHEL 64-19	3656403019	50	37	6"	-	-	-		205,3	188,8	175,4	157,9	139,8	123,5	Rp3	58,0
6BHEL 64-20	3656403020	50	37	6"	-	-	-		215,0	197,7	183,7	165,3	146,2	128,9	Rp3	60,7
6BHEL 64-21	3656403021	50	37	6"	-	-	-		224,6	206,5	191,8	172,6	152,4	134,2	Rp3	63,3
6BHEL 64-22	3656403022	60	45	6"	-	-	-		239,2	219,9	204,4	183,9	163,2	144,3	Rp3	65,9
6BHEL 64-23	3656403023	60	45	6"	-	-	-		249,0	229,0	212,7	191,4	169,6	149,8	Rp3	68,5
6BHEL 64-24	3656403024	60	45	6"	-	-	-		258,7	237,9	221,0	198,9	176,0	155,3	Rp3	71,1
6BHEL 64-25	3656403025	60	45	6"	-	-	-		268,4	246,7	229,2	206,2	182,2	160,6	Rp3	73,7
6BHEL 64-26	3656403026	60	45	6"	-	-	-		277,9	255,5	237,3	213,5	188,3	165,8	Rp3	76,3
6BHEL 64-27	3656403027	75	55	8"	-	-	-		303,0	278,8	259,3	233,4	208,5	186,4	Rp3	82,6
6BHEL 64-28	3656403028	75	55	8"	-	-	-		313,5	288,5	268,3	241,5	215,7	192,6	Rp3	85,3
6BHEL 64-29	3656403029	75	55	8"	-	-	-		324,0	298,1	277,2	249,5	222,8	198,8	Rp3	87,9
6BHEL 64-30	3656403030	75	55	8"	-	-	-		334,5	307,7	286,1	257,6	229,8	204,9	Rp3	90,5
6BHEL 64-31	3656403031	75	55	8"	-	-	-		344,9	317,3	295,0	265,5	236,8	211,0	Rp3	93,2

** Optional version with 4" motor: kit adaptor 6BHE 6"x 4" is mandatory (see page 383)
 Price increase for double output cable cover: 94,00€

8BHE



8" borehole centrifugal pumps in AISI 304 (hydraulic only)

8" borehole centrifugal pumps suitable for domestic and industrial water supply, boosters, irrigation and community waterworks.



Sturdy design,
corrosion
resistant



Suitable for
horizontal
operation



Available in
AISI 316

Technical data

Max. immersion 350 m water filled motor
150 m oil filled motor

Max. temperature of the liquid $-5^{\circ}\text{C} \div +60^{\circ}\text{C}$

Max. sand content 100 gr/m³

Poles 2

Insulation class F

Protection degree IP58 (OY),
IP68 (WY)

Voltage Three phase 380-415V $\pm 10\%$ OY
Three phase 380-415V $-10\%+6\%$ WY

Materials

External casing	AISI 304
Impeller	AISI 316
Shaft	AISI 329
Discharge casing	AISI 304
Motor connection	AISI 304

Accessories



Capacitors
Page 381 - **Capacitors 450V**



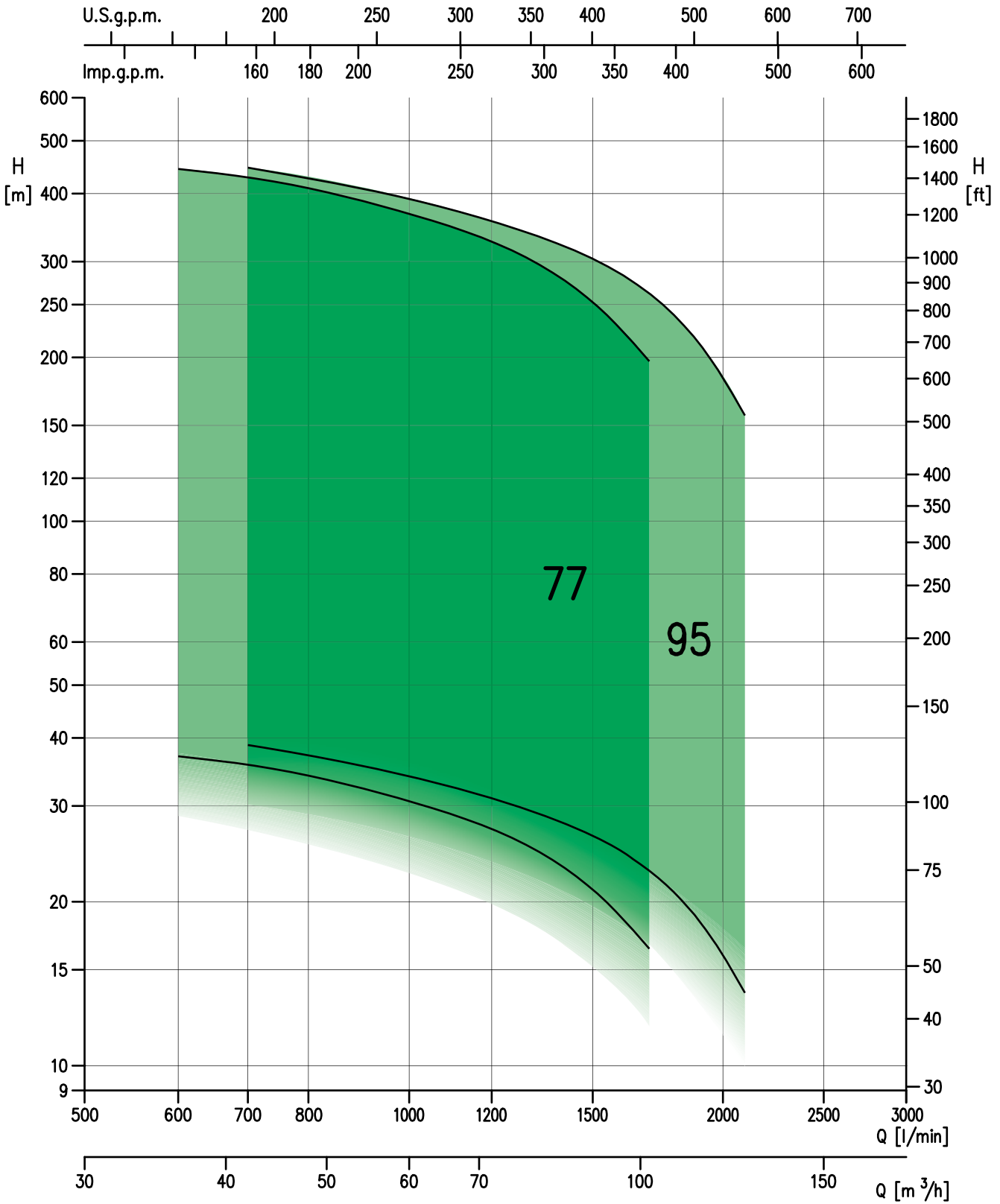
Floats
Page 379 - **Key floats with counterweight**



Control panels and Control systems
Page 366 - **Presscomfort**
Pressure regulator
Page 364 - **E-power**
Variable speed control systems
Page 362 - **E-drive**
Variable speed control systems
Page 375 - **Control panels**
SMART

8BHE

8" borehole centrifugal pumps in AISI 304 (hydraulic only)



8BHE

8BHE

8" borehole centrifugal pumps in AISI 304 (hydraulic only)



8BHE

2 Poles															
Model	Code	HP	kW	Motor	Q=Flow rate									DNM	Weight [kg]
					l/min	600	700	1000	1250	1500	1700	1900	2100		
					m³/h	36	42	60	75	90	102	114	126		
H=Total head [m]															
86BHE 77-2	3657701102	10	7,5	6"		37,0	35,7	30,6	26,3	21,1	16,4	-	-	Rp5	31,5
86BHE 77-3	3657701103	15	11	6"		55,5	53,5	46,0	39,5	31,6	24,6	-	-	Rp5	36,5
86BHE 77-4	3657701104	20	15	6"		74,0	71,5	61,0	52,5	42,0	32,8	-	-	Rp5	41,5
86BHE 77-5	3657701105	25	18,5	6"		92,5	89,5	76,5	66,0	52,5	41,0	-	-	Rp5	46,5
86BHE 77-6	3657701106	30	22	6"		111,0	107,0	92,0	79,0	63,0	49,0	-	-	Rp5	51,0
86BHE 77-7	3657701107	40	30	6"		130,0	125,0	107,0	92,0	73,5	57,5	-	-	Rp5	56,0
86BHE 77-8	3657701108	40	30	6"		148,0	143,0	122,0	105,0	84,0	65,5	-	-	Rp5	61,0
86BHE 77-9	3657701109	40	30	6"		167,0	161,0	138,0	118,0	95,0	74,0	-	-	Rp5	66,0
86BHE 77-10	3657701110	50	37	6"		185,0	179,0	153,0	132,0	105,0	82,0	-	-	Rp5	71,0
86BHE 77-11	3657701111	50	37	6"		204,0	196,0	168,0	145,0	116,0	90,0	-	-	Rp5	76,0
8BHE 77-12	3657701012	60	45	8"		222,0	214,0	184,0	158,0	126,0	98,5	-	-	Rp5	82,0
8BHE 77-13	3657701013	75	55	8"		241,0	232,0	199,0	171,0	137,0	107,0	-	-	Rp5	87,0
8BHE 77-14	3657701014	75	55	8"		259,0	250,0	214,0	184,0	147,0	115,0	-	-	Rp5	92,0
8BHE 77-15	3657701015	75	55	8"		278,0	268,0	230,0	197,0	158,0	123,0	-	-	Rp5	97,0
8BHE 77-16	3657701016	100	75	8"		296,0	286,0	245,0	210,0	168,0	131,0	-	-	Rp5	101,5
8BHE 77-17	3657701017	100	75	8"		315,0	303,0	260,0	224,0	179,0	139,0	-	-	Rp5	106,5
8BHE 77-18	3657701018	100	75	8"		333,0	321,0	275,0	237,0	190,0	148,0	-	-	Rp5	111,5
8BHE 77-19	3657701019	100	75	8"		352,0	339,0	291,0	250,0	200,0	156,0	-	-	Rp5	116,5
8BHE 77-20	3657701020	100	75	8"		370,0	357,0	306,0	263,0	211,0	164,0	-	-	Rp5	121,0
8BHE 77-21	3657701021	100	75	8"		389,0	375,0	321,0	276,0	221,0	172,0	-	-	Rp5	126,0
8BHE 77-22	3657701022	125	93	8"		407,0	393,0	337,0	289,0	232,0	180,0	-	-	Rp5	131,0
8BHE 77-23	3657701023	125	93	8"		426,0	411,0	352,0	302,0	242,0	189,0	-	-	Rp5	136,0
8BHE 77-24	3657701024	125	93	8"		444,0	428,0	367,0	316,0	253,0	197,0	-	-	Rp5	141,0
86BHE 95-2	3659501102	12,5	9,2	6"		-	38,8	34,0	30,2	26,4	22,8	18,4	13,6	Rp5	31,5
86BHE 95-3	3659501103	20	15	6"		-	58,0	51,0	45,5	39,6	34,2	27,6	20,4	Rp5	36,5
86BHE 95-4	3659501104	25	18,5	6"		-	77,5	68,0	60,5	53,0	45,5	36,8	27,2	Rp5	41,5
86BHE 95-5	3659501105	30	22	6"		-	97,0	85,0	75,5	66,0	57,0	46,0	34,0	Rp5	46,0
86BHE 95-6	3659501106	40	30	6"		-	116,0	102,0	90,5	79,0	68,5	55,0	41,0	Rp5	51,0
86BHE 95-7	3659501107	40	30	6"		-	136,0	119,0	106,0	92,5	80,0	64,5	47,5	Rp5	56,0
86BHE 95-8	3659501108	50	37	6"		-	155,0	136,0	121,0	106,0	91,0	73,5	54,5	Rp5	61,0
86BHE 95-9	3659501109	50	37	6"		-	175,0	153,0	136,0	119,0	103,0	83,0	61,0	Rp5	66,0
8BHE 95-10	3659501010	60	45	8"		-	194,0	170,0	151,0	132,0	114,0	92,0	68,0	Rp5	72,0
8BHE 95-11	3659501011	75	55	8"		-	213,0	187,0	166,0	145,0	125,0	101,0	75,0	Rp5	77,0
8BHE 95-12	3659501012	75	55	8"		-	233,0	204,0	181,0	158,0	137,0	110,0	81,5	Rp5	82,0
8BHE 95-13	3659501013	75	55	8"		-	252,0	221,0	196,0	172,0	148,0	120,0	88,5	Rp5	87,0
8BHE 95-14	3659501014	100	75	8"		-	272,0	238,0	211,0	185,0	160,0	129,0	95,0	Rp5	92,0
8BHE 95-15	3659501015	100	75	8"		-	291,0	255,0	227,0	198,0	171,0	138,0	102,0	Rp5	97,0
8BHE 95-16	3659501016	100	75	8"		-	310,4	272,0	242,0	211,0	182,0	147,0	109,0	Rp5	102,0
8BHE 95-17	3659501017	100	75	8"		-	330,0	289,0	257,0	224,0	194,0	156,0	116,0	Rp5	106,5
8BHE 95-18	3659501018	125	93	8"		-	349,0	306,0	272,0	238,0	205,0	166,0	122,0	Rp5	111,5
8BHE 95-19	3659501019	125	93	8"		-	369,0	323,0	287,0	251,0	217,0	175,0	129,0	Rp5	116,5
8BHE 95-20	3659501020	125	93	8"		-	388,0	340,0	302,0	264,0	228,0	184,0	136,0	Rp5	121,0
8BHE 95-21	3659501021	125	93	8"		-	407,0	357,0	317,0	277,0	239,0	193,0	143,0	Rp5	126,0
8BHE 95-22	3659501022	150	110	8"		-	427,0	374,0	332,0	290,0	251,0	202,0	150,0	Rp5	131,0
8BHE 95-23	3659501023	150	110	8"		-	446,0	391,0	347,0	304,0	262,0	212,0	156,0	Rp5	136,0

Price increase for double output cable cover: 184,00€

8BHEL



8" borehole centrifugal pumps in AISI 316 (hydraulic only)

8" borehole centrifugal pumps suitable for domestic and industrial water supply, boosters, irrigation and community waterworks.



Sturdy design,
corrosion
resistant



Suitable for
horizontal
operation

Materials

External casing	AISI 316
Impeller	AISI 316
Shaft	AISI 329
Discharge casing	AISI 316
Motor connection	AISI 316

Technical data

Max. immersion	350 m water filled motor 150 m oil filled motor
Max. temperature of the liquid	-5°C ÷ +60°C
Max. sand content	100 gr/m ³
Poles	2
Insulation class	F
Protection degree	IP58 (OY) IP68 (WY)
Voltage	Three phase 380-415V ±10% OY Three phase 380-415V -10%+6% WY

Accessories



Capacitors

Page 381 - **Capacitors 450V**



Floats

Page 379 - **Key floats with counterweight**



Control panels and Control systems

Page 366 - **Presscomfort**

Pressure regulator

Page 364 - **E-power**

Variable speed control systems

Page 362 - **E-drive**

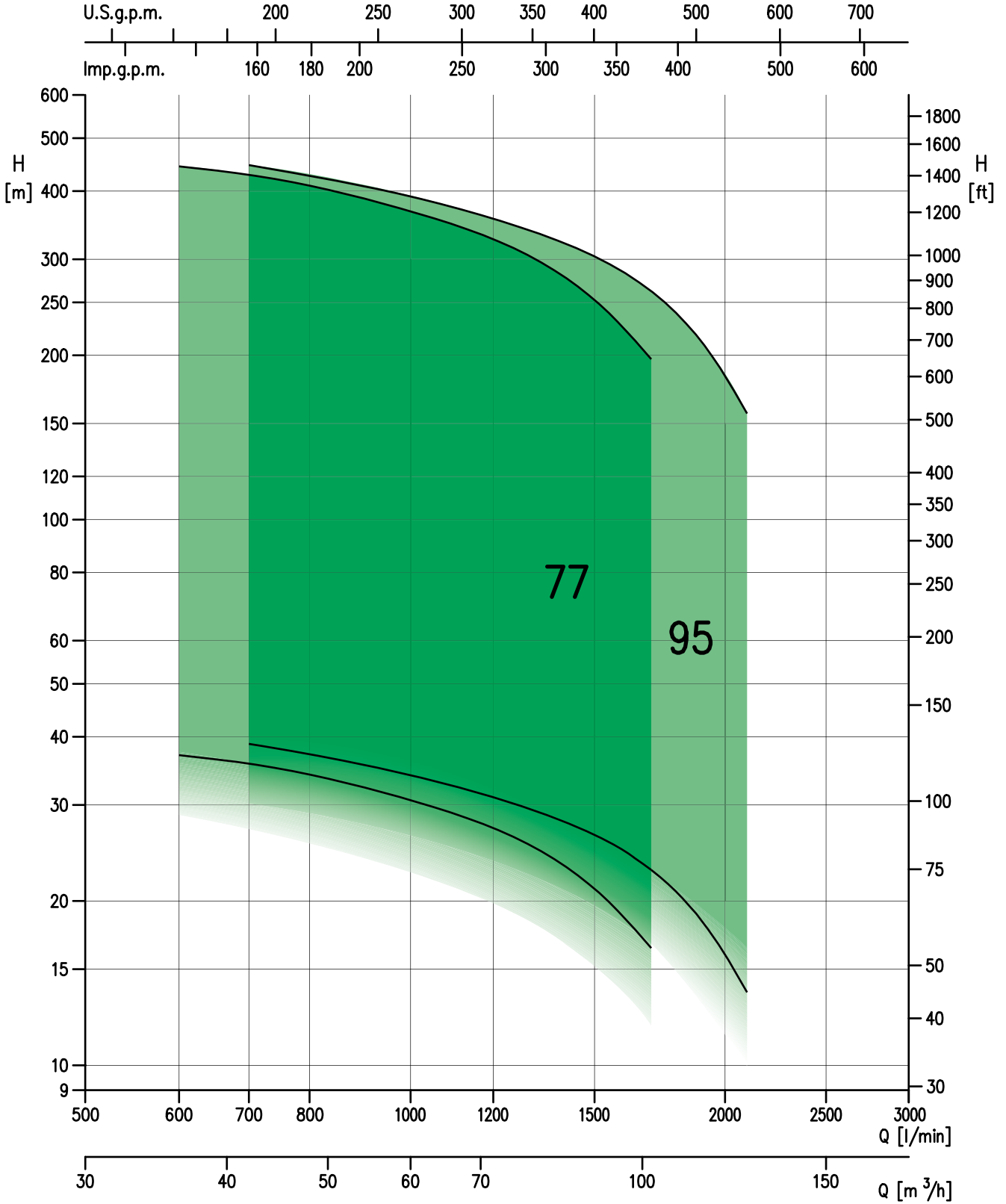
Variable speed control systems

Page 375 - **Control panels**

SMART

8BHEL

8" borehole centrifugal pumps in AISI 316 (hydraulic only)



8BHEL



8BHEL



8" borehole centrifugal pumps in AISI 316 (hydraulic only)

2 Poles															
Model	Code	HP	kW	Motor	Q=Flow rate									DNM	Weight [kg]
					l/min	600	700	1000	1250	1500	1700	1900	2100		
					m ³ /h	36	42	60	75	90	102	114	126		
H=Total head [m]															
86BHEL 77-2	3657700102	10	7,5	6"		37,0	35,7	30,6	26,3	21,1	16,4	-	-	Rp5	31,5
86BHEL 77-3	3657700103	15	11	6"		55,5	53,5	46,0	39,5	31,6	24,6	-	-	Rp5	36,5
86BHEL 77-4	3657700104	20	15	6"		74,0	71,5	61,0	52,5	42,0	32,8	-	-	Rp5	41,5
86BHEL 77-5	3657700105	25	18,5	6"		92,5	89,5	76,5	66,0	52,5	41,0	-	-	Rp5	46,5
86BHEL 77-6	3657700106	30	22	6"		111,0	107,0	92,0	79,0	63,0	49,0	-	-	Rp5	51,0
86BHEL 77-7	3657700107	40	30	6"		130,0	125,0	107,0	92,0	73,5	57,5	-	-	Rp5	56,0
86BHEL 77-8	3657700108	40	30	6"		148,0	143,0	122,0	105,0	84,0	65,5	-	-	Rp5	61,0
86BHEL 77-9	3657700109	40	30	6"		167,0	161,0	138,0	118,0	95,0	74,0	-	-	Rp5	66,0
86BHEL 77-10	3657700110	50	37	6"		185,0	179,0	153,0	132,0	105,0	82,0	-	-	Rp5	71,0
86BHEL 77-11	3657700111	50	37	6"		204,0	196,0	168,0	145,0	116,0	90,0	-	-	Rp5	76,0
8BHEL 77-12	3657700012	60	45	8"		222,0	214,0	184,0	158,0	126,0	98,5	-	-	Rp5	82,0
8BHEL 77-13	3657700013	75	55	8"		241,0	232,0	199,0	171,0	137,0	107,0	-	-	Rp5	87,0
8BHEL 77-14	3657700014	75	55	8"		259,0	250,0	214,0	184,0	147,0	115,0	-	-	Rp5	92,0
8BHEL 77-15	3657700015	75	55	8"		278,0	268,0	230,0	197,0	158,0	123,0	-	-	Rp5	97,0
8BHEL 77-16	3657700016	100	75	8"		296,0	286,0	245,0	210,0	168,0	131,0	-	-	Rp5	101,5
8BHEL 77-17	3657700017	100	75	8"		315,0	303,0	260,0	224,0	179,0	139,0	-	-	Rp5	106,5
8BHEL 77-18	3657700018	100	75	8"		333,0	321,0	275,0	237,0	190,0	148,0	-	-	Rp5	111,5
8BHEL 77-19	3657700019	100	75	8"		352,0	339,0	291,0	250,0	200,0	156,0	-	-	Rp5	116,5
8BHEL 77-20	3657700020	100	75	8"		370,0	357,0	306,0	263,0	211,0	164,0	-	-	Rp5	121,0
8BHEL 77-21	3657700021	100	75	8"		389,0	375,0	321,0	276,0	221,0	172,0	-	-	Rp5	126,0
8BHEL 77-22	3657700022	125	93	8"		407,0	393,0	337,0	289,0	232,0	180,0	-	-	Rp5	131,0
8BHEL 77-23	3657700023	125	93	8"		426,0	411,0	352,0	302,0	242,0	189,0	-	-	Rp5	136,0
8BHEL 77-24	3657700024	125	93	8"		444,0	428,0	367,0	316,0	253,0	197,0	-	-	Rp5	141,0
86BHEL 95-2	3659500102	12,5	9,2	6"		-	38,8	34,0	30,2	26,4	22,8	18,4	13,6	Rp5	31,5
86BHEL 95-3	3659500103	20	15	6"		-	58,0	51,0	45,5	39,6	34,2	27,6	20,4	Rp5	36,5
86BHEL 95-4	3659500104	25	18,5	6"		-	77,5	68,0	60,5	53,0	45,5	36,8	27,2	Rp5	41,5
86BHEL 95-5	3659500105	30	22	6"		-	97,0	85,0	75,5	66,0	57,0	46,0	34,0	Rp5	46,0
86BHEL 95-6	3659500106	40	30	6"		-	116,0	102,0	90,5	79,0	68,5	55,0	41,0	Rp5	51,0
86BHEL 95-7	3659500107	40	30	6"		-	136,0	119,0	106,0	92,5	80,0	64,5	47,5	Rp5	56,0
86BHEL 95-8	3659500108	50	37	6"		-	155,0	136,0	121,0	106,0	91,0	73,5	54,5	Rp5	61,0
86BHEL 95-9	3659500109	50	37	6"		-	175,0	153,0	136,0	119,0	103,0	83,0	61,0	Rp5	66,0
8BHEL 95-10	3659500010	60	45	8"		-	194,0	170,0	151,0	132,0	114,0	92,0	68,0	Rp5	72,0
8BHEL 95-11	3659500011	75	55	8"		-	213,0	187,0	166,0	145,0	125,0	101,0	75,0	Rp5	77,0
8BHEL 95-12	3659500012	75	55	8"		-	233,0	204,0	181,0	158,0	137,0	110,0	81,5	Rp5	82,0
8BHEL 95-13	3659500013	75	55	8"		-	252,0	221,0	196,0	172,0	148,0	120,0	88,5	Rp5	87,0
8BHEL 95-14	3659500014	100	75	8"		-	272,0	238,0	211,0	185,0	160,0	129,0	95,0	Rp5	92,0
8BHEL 95-15	3659500015	100	75	8"		-	291,0	255,0	227,0	198,0	171,0	138,0	102,0	Rp5	97,0
8BHEL 95-16	3659500016	100	75	8"		-	310,4	272,0	242,0	211,0	182,0	147,0	109,0	Rp5	102,0
8BHEL 95-17	3659500017	100	75	8"		-	330,0	289,0	257,0	224,0	194,0	156,0	116,0	Rp5	106,5
8BHEL 95-18	3659500018	125	93	8"		-	349,0	306,0	272,0	238,0	205,0	166,0	122,0	Rp5	111,5
8BHEL 95-19	3659500019	125	93	8"		-	369,0	323,0	287,0	251,0	217,0	175,0	129,0	Rp5	116,5
8BHEL 95-20	3659500020	125	93	8"		-	388,0	340,0	302,0	264,0	228,0	184,0	136,0	Rp5	121,0
8BHEL 95-21	3659500021	125	93	8"		-	407,0	357,0	317,0	277,0	239,0	193,0	143,0	Rp5	126,0
8BHEL 95-22	3659500022	150	110	8"		-	427,0	374,0	332,0	290,0	251,0	202,0	150,0	Rp5	131,0
8BHEL 95-23	3659500023	150	110	8"		-	446,0	391,0	347,0	304,0	262,0	212,0	156,0	Rp5	136,0

Price increase for double output cable cover: 184,00€

8BHEL

Borehole motors



3"-4"-6"-8" motors for deep wells

Submersible motors fit for borehole pumps from 3", 4", 6" and 8". Available oil or water filled, single phase or three phase version. Motors also available with standard NEMA connections for a complete and flexible range. Cable dimensions chart to choose the right cable, allow the right installation of motors in all situations.



Sturdy design,
corrosion
resistant



Available in
AISI 316

Technical data

Max. immersion	350 m water filled motor 150 m oil filled motor
Max. temperature of the liquid	-5°C ÷ +60°C
Max. sand content	100 gr/m ³
Poles	2
Insulation class	EBARA MOTORS: F (3" - 4" - 6" OY) (4" WY) FRANKLIN MOTORS: B (4" WY) F (6" - 8" WY)
Protection degree	EBARA MOTORS: IP58 (3" - 4" - 6" - 8" OY) (4" WY) FRANKLIN MOTORS: IP58 (6" - 8" WY) IP68 (4" WY)
Voltage	Single phase 230V Three phase 400V Three phase 380-415V (±10%)

Submersible EBARA motors

Suitable for borehole pumps, oil filled or water filled version.

EBARA motors offer a huge range of submersible motors for well, oil filled or water filled version.

From to 3" up to 6", compact dimensions, reliability and high performance make this range completely and performing in every installations. All EBARA motors are available with standard NEMA connections.

Main features:

- Standard NEMA connections
- High quality lubrication cooling liquid, non – toxic
- Easy dismantling and rewindable
- Compensation diaphragm and sand protection properly sized according to pump size
- Different mechanical seal available
- Axial and radial bearings
- Extractable connection cable
- High resistance nickel cast iron support, also available in AISI 304 and AISI 316
- Protection degree: IP58 for oil filled and IP68 for water filled
- Insulation class: F

Available models:

- 3" oil filled motors
- 4" oil filled motors
- 6" oil filled motors
- 4" water filled motors

Submersible FRANKLIN motors

Suitable for borehole pumps, water filled version.

Submersible FRANKLIN motors offer a range of submersible water filled motors in different size. Available from 4" up to 8", these motors are available with standard NEMA connections.

Main features:

- Standard NEMA connections
- Non – toxic cooling liquid
- Extractable connection cable
- Protection degree: IP68
- Insulation class: F

Available motors:

- 4" water filled motor
- 6" water filled motor
- 8" water filled motor

3" motors



EBARA motor / AISI 304 / oil filled motor

OY: oil filled motor in AISI 304 stainless steel (EBARA MOTORS)

Single phase 230V 2 Poles

Model	Code	HP	kW	Abs. Curr. [A] 230V	Cable [m]
3" motor OYM 0,50 HP	1505000200	0,5	0,37	3,75	1,5
3" motor OYM 0,75 HP	1505000100	0,75	0,55	4,5	1,5
3" motor OYM 1,00 HP	1505000000	1	0,75	5,85	1,5

Three phase 400V 2 Poles

Model	Code	HP	kW	Abs. Curr. [A] 400V	Cable [m]
3" motor OYT 0,5 HP	1505060100	0,5	0,37	2	1,5
3" motor OYT 0,75 HP	1505000104	0,75	0,55	2,1	1,5
3" motor OYT 1,00 HP	1505000004	1	0,75	2,5	1,5
3" motor OYT 1,50 HP	1505000204	1,5	1,1	3,2	1,5

4" motors

EBARA motor / AISI 304 / Oil filled motors

OY: oil filled motor in AISI 304 stainless steel with cable and connector 4G1,5 included (EBARA MOTORS)

Single phase 230V						2 Poles
Model	Code	HP	kW	Abs. Curr. [A] 230V	Cable [m]	Thrust [N]
4" motor OYM HP 0,5 S1X	1509050000	0,5	0,37	3,4	1,75	1500
4" motor OYM HP 0,75 S1X	1509070000	0,75	0,55	4,2	1,75	1500
4" motor OYM HP 1,0 S1X	1509100000	1	0,75	5,6	1,75	1500
4" motor OYM HP 1,5 S1X	1509110000	1,5	1,1	7,8	1,75	1500
4" motor OYM HP 2,0 S1X	1509150000	2	1,5	10,8	1,75	1500
4" motor OYM HP 3,0 S1X	1509220000	3	2,2	14,6	1,75	1500
4" motor OYM HP 3,0 S1X	1509220100	3	2,2	14,6	2,5	4400

Three phase 400V*						2 Poles
Model	Code	HP	kW	Abs. Curr. [A] 400V	Cable [m]	Thrust [N]
4" motor OYT HP 0,5 S1X	1509030004	0,5	0,37	1,3	1,75	1500
4" motor OYT HP 0,75 S1X	1509070004	0,75	0,55	1,9	1,75	1500
4" motor OYT HP 1,0 S1X	1509100004	1	0,75	2,4	1,75	1500
4" motor OYT HP 1,5 S1X	1509150004	1,5	1,1	3,2	1,75	1500
4" motor OYT HP 2,0 S1X	1509200004	2	1,5	4,4	1,75	1500
4" motor OYT HP 3,0 S1X	1509300004	3	2,2	5,8	2,5	1500
4" motor OYT HP 3,0 S1X	1509300104	3	2,2	5,4	2,5	5000
4" motor OYT HP 4,0 S1X	1509400004	4	3	7,6	2,5	5000
4" motor OYT HP 5,5 S1X	1509550004	5,5	4	9,8	2,5	5000
4" motor OYT HP 7,5 S1X	1509750004	7,5	5,5	13,5	2,5	5000
4" motor OYT HP 10,0 S1X	1509100104	10	7,5	19	4	4400

* three phase 230V motor available on request, same price as 400V version

4" motors



EBARA motor / AISI 304 / Water filled motors

WY: water filled motor AISI 304 stainless steel with cable and connector 4G1,5 included (EBARA MOTORS)

Single phase 230V 2 Poles

Model	Code	HP	kW	Abs. Curr. [A] 230V	Cable [m]	Thrust [N]
4" motor WYM HP 0,5	1505050000	0,5	0,37	3,4	1,2	1,2
4" motor WYM HP 0,75	1505090000	0,75	0,55	4,4	1,7	1,7
4" motor WYM HP 1,0	1505100000	1	0,75	6	2,2	2,2
4" motor WYM HP 1,5	1505150000	1,5	1,1	7,8	3	3
4" motor WYM HP 2,0	1505200000	2	1,5	10,5	4	4
4" motor WYM HP 3,0	1505300000	3	2,2	15	5,6	5,6

Three phase 400V 2 Poles

Model	Code	HP	kW	Abs. Curr. [A] 400V	Cable [m]	Thrust [N]
4" motor WYT HP 0,5	1505050004	0,5	0,37	1,3	1,75	1500
4" motor WYT HP 0,75	1505090004	0,75	0,55	1,7	1,75	1500
4" motor WYT HP 1,0	1505100004	1	0,75	2,2	1,75	1500
4" motor WYT HP 1,5	1505150004	1,5	1,1	3	1,75	3000
4" motor WYT HP 2,0	1505200004	2	1,5	4	1,75	3000
4" motor WYT HP 3,0	1505300004	3	2,2	5,6	2,5	3000
4" motor WYT HP 4,0	1505400004	4	3	7,5	2,5	6500
4" motor WYT HP 5,5	1505550004	5,5	4	10,6	2,5	6500
4" motor WYT HP 7,5	1505750004	7,5	5,5	13,6	3,3	6500
4" motor WYT HP 10	1505110004	10	7,5	18,3	4	6500

4" motors

FRANKLIN motor / AISI 304 / Water filled motors

WY: water filled motor AISI 304 stainless steel with cable and connector 4G1,5 included (FRANKLIN MOTORS)

Single phase 230V						2 Poles
Model	Code	HP	kW	Abs. Curr. [A] 230V	Cable [m]	Thrust [N]
4" motor WYM HP 0,5 FRK	1504000000	0,5	0,37	3,3	1,5	3000
4" motor WYM HP 0,75 FRK	1504000001	0,75	0,55	4,3	1,5	3000
4" motor WYM HP 1,0 FRK	1504000002	1	0,75	5,7	1,5	3000
4" motor WYM HP 1,5 FRK	1504000003	1,5	1,1	8,4	1,5	3000
4" motor WYM HP 2,0 FRK	1504000004	2	1,5	10,7	1,5	3000
4" motor WYM HP 3,0 FRK	1504000005	3	2,2	14,7	2,5	4000

Three phase 380/415V*						2 Poles	
Model	Code	HP	kW	Abs. Curr. [A]		Cable [m]	Thrust [N]
				380V	415V		
4" motor WYT HP 0,5 FRK	1504000006	0,5	0,37	1,1	1,14	1,5	3000
4" motor WYT HP 0,75 FRK	1504000007	0,75	0,55	1,6	1,7	1,5	3000
4" motor WYT HP 1,0 FRK	1504000008	1	0,75	2	2,1	1,5	3000
4" motor WYT HP 1,5 FRK	1504000009	1,5	1,1	2,8	2,9	1,5	3000
4" motor WYT HP 2,0 FRK	1504000010	2	1,5	3,9	4	1,5	3000
4" motor WYT HP 3,0 FRK	1504000011	3	2,2	5,4	5,8	2,5	4000
4" motor WYT HP 4,0 FRK	1504000012	4	3	7,4	7,9	2,5	4000
4" motor WYT HP 5,5 FRK	1508552004	5,5	4	9,7	10,4	2,5	6500
4" motor WYT HP 7,5 FRK	1508752004	7,5	5,5	12,6	12,8	2,5	6500
4" motor WYT HP 10,0 FRK	1508102104	10	7,5	17,2	17,6	2,5	6500

* three phase 230V motor available on request, same price as 380/415V version

4" motors



EBARA motor / AISI 316 / Oil filled motors

OY: oil filled motor in AISI 316 stainless steel with cable and connector 4G1,5 included (EBARA MOTORS)

Single phase 230V						2 Poles
Model	Code	HP	kW	Abs. Curr. [A] 230V	Cable [m]	Thrust [N]
4" motor OYM HP 0,5 A316	1509053000	0,5	0,37	3,4	1,75	1500
4" motor OYM HP 0,75 A316	1509073000	0,75	0,55	4,2	1,75	1500
4" motor OYM HP 1,0 A316	1509103000	1	0,75	5,6	1,75	1500
4" motor OYM HP 1,5 A316	1509113000	1,5	1,1	7,8	1,75	1500
4" motor OYM HP 2,0 A316	1509153000	2	1,5	10,8	1,75	1500
4" motor OYM HP3,0 A316	1509220001	3	2,2	14,6	2,5	1500
4" motor OYM HP 3,0 A316	1509223000	3	2,2	14,6	2,5	4400

Three phase 400V*						2 Poles
Model	Code	HP	kW	Abs. Curr. [A] 400V	Cable [m]	Thrust [N]
4" motor OYT HP 0,5 A316	1509033004	0,5	0,37	1,3	1,75	1500
4" motor OYT HP 0,75 A316	1509073004	0,75	0,55	1,9	1,75	1500
4" motor OYT HP 1,0 A316	1509103004	1	0,75	2,4	1,75	1500
4" motor OYT HP 1,5 A316	1509153004	1,5	1,1	3,2	1,75	1500
4" motor OYT HP 2,0 A316	1509203004	2	1,5	4,4	1,75	1500
4" motor OYT HP 3,0 A316	1509303004	3	2,2	5,8	2,5	1500
4" motor OYT HP 3,0 A316	1509303104	3	2,2	5,4	2,5	5000
4" motor OYT HP 4,0 A316	1509403004	4	3	7,6	2,5	5000
4" motor OYT HP 5,5 A316	1509553004	5,5	4	9,8	2,5	5000
4" motor OYT HP 7,5 A316	1509753004	7,5	5,5	13,5	2,5	5000
4" motor OYT HP 10,0 A316	1509103104	10	7,5	19	4	4400

* three phase 230V motor available on request, same price as 400V version

4" motors



FRANKLIN motor / AISI 316 / Water filled motors

WY: water filled motor in AISI 316 stainless steel with cable and connector 4G1,5 included (FRANKLIN MOTORS)

Single phase 230V						2 Poles
Model	Code	HP	kW	Abs. Curr. [A] 230V	Cable [m]	Thrust [N]
4" motor WYM HP 0,5 FRK A316	1504000013	0,5	0,37	3,3	1,5	3000
4" motor WYM HP 0,75 FRK A316	1504000014	0,75	0,55	4,3	1,5	3000
4" motor WYM HP 1,0 FRK A316	1504000015	1	0,75	5,7	1,5	3000
4" motor WYM HP 1,5 FRK A316	1504000016	1,5	1,1	8,4	1,5	3000
4" motor WYM HP 2,0 FRK A316	1504000017	2	1,5	10,7	1,5	3000
4" motor WYM HP 3,0 FRK A316	1504000018	3	2,2	14,7	2,5	4000

Three phase 380/415V*						2 Poles	
Model	Code	HP	kW	Abs. Curr. [A]		Cable [m]	Thrust [N]
				380V	415V		
4" motor WYT HP 0,5 FRK A316	1504000019	0,5	0,37	1,1	1,14	1,5	3000
4" motor WYT HP 0,75 FRK A316	1504000020	0,75	0,55	1,6	1,7	1,5	3000
4" motor WYT HP 1,0 FRK A316	1504000021	1	0,75	2	2,1	1,5	3000
4" motor WYT HP 1,5 FRK A316	1504000022	1,5	1,1	2,8	2,9	1,5	3000
4" motor WYT HP 2,0 FRK A316	1504000023	2	1,5	3,9	4	1,5	3000
4" motor WYT HP 3,0 FRK A316	1504000024	3	2,2	5,4	5,8	2,5	4000
4" motor WYT HP 4,0 FRK A316	1504000025	4	3	7,4	7,9	2,5	4000
4" motor WYT HP 5,5 FRK A316	1508553004	5,5	4	9,7	10,4	2,5	6500
4" motor WYT HP 7,5 FRK A316	1508753004	7,5	5,5	12,6	12,8	2,5	6500
4" motor WYT HP 10,0 FRK A316	1508103104	10	7,5	17,2	17,6	2,5	6500

* three phase 230V motor available on request, same price as 380/415V version

6" motors



6" borehole motors for wells with std NEMA connections

OY: oil filled motor in AISI 304 stainless steel with cast iron nickel plated upper bracket (EBARA MOTORS)

Three phase 380/415V							2 Poles
Model	Code	HP	kW	Abs. Curr. [A]		Cable [m]	Version with double output cable cover (star/delta) Code
				380V	415V		
6" motor OYT HP 5,5	1505160704	5,5	4	8,7	8,9	2,8	1507300001
6" motor OYT HP 7,5	1505070404	7,5	5,5	12,6	12,4	2,8	1507300002
6" motor OYT HP 10	1505160604	10	7,5	17,2	16,5	2,8	1507300003
6" motor OYT HP 12,5	1505150204	12,5	9,2	22	21	2,8	1505150304
6" motor OYT HP 15	1505160200	15	11	24,1	23,9	2,8	1507300004
6" motor OYT HP 17,5	1505170204	17,5	13	28	27,5	2,8	1507300005
6" motor OYT HP 20	1505150206	20	15	31,4	29,7	2,8	1505160406
6" motor OYT HP 25	1505160504	25	18,5	41,5	36,6	2,8	1505160506
6" motor OYT HP 30	1505163004	30	22	46,5	44,5	2,8	1505163104
6" motor OYT HP 40	1505164004	40	30	63	58	2,8	1505164104
6" motor OYT HP 50	1507300027	50	37	74	71	2,8	1505165015

WY: water filled motor in AISI 304 stainless steel with cast iron upper bracket (FRANKLIN MOTORS)

Three phase 380/415V							2 Poles
Model	Code	HP	kW	Abs. Curr. [A]		Cable [m]	Version with double output cable cover (star/delta) Code
				380V	415V		
6" motor WYT HP 5,5 FRK	1505550204	5,5	4	9,5	9,3	4	1505554204
6" motor WYT HP 7,5 FRK	1505750204	7,5	5,5	12,8	12,8	4	1505754104
6" motor WYT HP 10 FRK	1505140004	10	7,5	16,3	16,2	4	1505144104
6" motor WYT HP 12,5 FRK	1505120004	12,5	9,2	21	21	4	1505124104
6" motor WYT HP 15 FRK	1505160004	15	11	24	24,1	4	1505161004
6" motor WYT HP 20 FRK	1505170004	20	15	32	31	4	1505170104
6" motor WYT HP 25 FRK	1505180004	25	18,5	40	38,5	4	1505181004
6" motor WYT HP 30 FRK	1505190004	30	22	47	45	4	1505194104
6" motor WYT HP 40 FRK	1505400304	40	30	64,1	64,5	4	1505174004
6" motor WYT HP 50 FRK	1505500004	50	37	80,1	77,9	4	1505504104
6" motor WYT HP 60 FRK	1505400404	60	45	96,8	94,5	4	1505404204

WY6 models do not include the screws for pump coupling. We recommend the purchase of the special kit (see page 383)

6" motors

6" borehole motors for wells with std NEMA connections

OY: oil filled motor in AISI 316 with cast iron nickel plated upper bracket with cable and connector 4G1,5 included (EBARA MOTORS)

Three phase 380/415V							2 Poles
Model	Code	HP	kW	Abs. Curr. [A]		Cable [m]	Version with double output cable cover (star/delta) Code
				380V	415V		
6" motor OYT HP 5,5 A316	1505163204	5,5	4	8,7	8,9	2,8	1507300006
6" motor OYT HP 7,5 A316	1505070304	7,5	5,5	12,6	12,4	2,8	1507300007
6" motor OYT HP 10,0 A316	1505080300	10	7,5	17,2	16,5	2,8	1507300008
6" motor OYT HP 12,5 A316	1505153004	12,5	9,2	22	21	2,8	1507300009
6" motor OYT HP 15,0 A316	1505163000	15	11	24,1	23,9	2,8	1507300010
6" motor OYT HP 17,5 A316	1505173104	17,5	13	28	27,5	2,8	1507300011
6" motor OYT HP 20,0 A316	1505153006	20	15	31,4	29,7	2,8	1507300012
6" motor OYT HP 25,0 A316	1505163304	25	18,5	41,5	36,6	2,8	1507300013
6" motor OYT HP 30,0 A316	1505163604	30	22	46,5	44,5	2,8	1507300014
6" motor OYT HP 40,0 A316	1505163404	40	30	63	58	2,8	1507300015
6" motor OYT HP 50,0 A316	1507300028	50	37	74	71	4	1505165016

WY: water filled motor in AISI 316 with cable and connector 4G1,5 included (FRANKLIN MOTORS)

Three phase 380/415V							2 Poles
Model	Code	HP	kW	Abs. Curr. [A]		Cable [m]	Version with double output cable cover (star/delta) Code
				380V	415V		
6" motor WYT HP 5,5 FRK A316	1505553104	5,5	4	9,5	9,3	4	1507300016
6" motor WYT HP 7,5 FRK A316	1505753104	7,5	5,5	12,8	12,8	4	1507300017
6" motor WYT HP 10,0 FRK A316	1505143004	10	7,5	16,3	16,2	4	1507300018
6" motor WYT HP 12,5 FRK A316	1505123004	12,5	9,2	21	21	4	1507300019
6" motor WYT HP 15,0 FRK A316	1505163704	15	11	24	24,1	4	1507300020
6" motor WYT HP 20,0 FRK A316	1505173004	20	15	32	31	4	1507300021
6" motor WYT HP 25,0 FRK A316	1505183004	25	18,5	40	38,5	4	1507300022
6" motor WYT HP 30,0 FRK A316	1505220104	30	22	47	45	4	1507300023
6" motor WYT HP 40,0 FRK A316	1505403204	40	30	64,1	64,5	4	1507300024
6" motor WYT HP 50,0 FRK A316	1505503004	50	37	80,1	77,9	4	1507300025
6" motor WYT HP 60,0 FRK A316	1505403104	60	45	96,8	94,5	4	1507300026

WY6 models do not include the screws for pump coupling. We recommend the purchase of the special kit (see page 383)

8" motors



8" borehole motors for wells with std NEMA connections

WY: water filled motor in AISI 304 stainless steel with cable and connector 4G1,5 included (FRANKLIN MOTORS)

Three phase 380/415V - DOL - direct start							2 Poles
Model	Code	HP	kW	Abs. Curr. [A]		Cable [m]	Thrust [N]
				380V	415V		
8" motor WYT HP 60 DOL FRK	1505800004	60	45	89	89	8	45000
8" motor WYT HP 75 DOL FRK	1505800005	75	55	111	108	8	45000
8" motor WYT HP 100 DOL FRK	1505800006	100	75	148	145	8	45000
8" motor WYT HP 125 DOL FRK	1505800007	125	93	194	191	8	45000
8" motor WYT HP 150 DOL FRK	1505800008	150	110	226	223	8	45000

Three phase 380/415V - SD - star/delta start							2 Poles
Model	Code	HP	kW	Abs. Curr. [A]		Cable [m]	Thrust [N]
				380V	415V		
8" motor WYT HP 60 SD FRK	1505800009	60	45	89	89	8	45000
8" motor WYT HP 75 SD FRK	1505800010	75	55	111	108	8	45000
8" motor WYT HP 100 SD FRK	1505800011	100	75	148	145	8	45000
8" motor WYT HP 125 SD FRK	1505800012	125	93	194	191	8	45000
8" motor WYT HP 150 SD FRK	1505800013	150	110	226	223	8	45000

WY: water filled motor in AISI 316 stainless steel with cable and connector 4G1,5 included (FRANKLIN MOTORS)

Three phase 380/415V - DOL - direct start							2 Poles
Model	Code	HP	kW	Abs. Curr. [A]		Cable [m]	Thrust [N]
				380V	415V		
8" motor WYT HP 60 DOL FRK A316	1505803004	60	45	89	89	8	45000
8" motor WYT HP 75 DOL FRK A316	1505803005	75	55	111	108	8	45000
8" motor WYT HP 100 DOL FRK A316	1505803006	100	75	148	145	8	45000
8" motor WYT HP 125 DOL FRK A316	1505803007	125	93	194	191	8	45000
8" motor WYT HP 150 DOL FRK A316	1505803008	150	110	226	223	8	45000

Three phase 380/415V - SD - star/delta start							2 Poles
Model	Code	HP	kW	Abs. Curr. [A]		Cable [m]	Thrust [N]
				380V	415V		
8" motor WYT HP 60 SD FRK A316	1505803009	60	45	89	89	8	45000
8" motor WYT HP 75 SD FRK A316	1505803010	75	55	111	108	8	45000
8" motor WYT HP 100 SD FRK A316	1505803011	100	75	148	145	8	45000
8" motor WYT HP 125 SD FRK A316	1505803012	125	93	194	191	8	45000
8" motor WYT HP 150 SD FRK A316	1505803013	150	110	226	223	8	45000

CABLES DIMENSIONING

3" oil filled motors

Cable selection - e.g.: 0,75 kW motor - 230V single phase - cable length 75 m = 4x2,5 mm²

Motor	HP	kW	Cable type								
			3x1,5	3x2,5	3x4	3x6	4x1	4x1,5	4x2,5	4x4	4x6
3" Single phase 230V	0,5	0,37	-	-	-	-	50	75	125	-	-
	0,75	0,55	-	-	-	-	38	57	95	152	-
	0,8	0,6	70	120	180	270	-	-	-	-	-
	1	0,75	-	-	-	-	30	45	75	120	174
	1,2	0,9	60	85	125	190	-	-	-	-	-
	2,0	1,5	55	75	90	140	-	-	-	-	-
3" Three phase 400V	0,5	0,37	-	-	-	-	240	-	-	-	-
	0,75	0,55	-	-	-	-	164	246	-	-	-
	1	0,75	-	-	-	-	133	200	233	-	-
	1,5	1,1	-	-	-	-	97	146	244	390	-

4" - 6" oil filled motors

Cable selection - e.g.: 1,1 kW motor - 230V single phase - cable length 53 m = 4x2,5 mm²

Motor	HP	kW	Cable type								
			4x1	4x1,5	4x2,5	4x4	4x6	4x10	4x16	4x25	4x35
4" Single phase 230V	0,5	0,37	50	75	125	-	-	-	-	-	-
	0,75	0,55	38	57	95	152	-	-	-	-	-
	1	0,75	30	45	75	120	174	-	-	-	-
	1,5	1,1	22	33	53	85	127	210	-	-	-
	2	1,5	-	23	38	63	92	154	246	-	-
	3	2,2	-	-	28	45	67	112	180	-	-
4" Three phase 400V	0,5	0,37	240	-	-	-	-	-	-	-	-
	0,75	0,55	164	246	-	-	-	-	-	-	-
	1	0,75	133	200	333	-	-	-	-	-	-
	1,5	1,1	97	146	244	390	-	-	-	-	-
	2	1,5	72	109	180	290	435	-	-	-	-
	3	2,2	51	78	130	207	310	516	-	-	-
	4	3	41	62	104	167	250	416	-	-	-
	5,5	4	31	46	77	124	186	310	496	-	-
	7,5	5,5	-	33	56	90	135	225	360	-	-
10	7,5	-	-	-	66	100	165	270	-	-	
6" Three phase 400V	5,5	4	-	-	110	160	250	400	-	-	-
	7,5	5,5	-	-	68	108	161	265	415	-	-
	10	7,5	-	-	53	84	126	207	325	-	-
	12,5	9,2	-	-	44	70	104	171	267	413	-
	15	11	-	-	-	59	87	144	223	347	548
	20	15	-	-	-	-	65	107	167	258	350
	25	18,5	-	-	-	-	-	87	136	210	295
	30	22	-	-	-	-	-	75	117	181	246
	40	30	-	-	-	-	-	-	110	180	235



CABLES DIMENSIONING

4" - 6" - 8" water filled motors

Cable selection - e.g.: 0,75 kW motor - 230V single phase - cable length 73 m = 4x2,5 mm²

Motor	HP	kW	Cable type																	
			4x1	4x1,5	4x2,5	4x4	4x6	4x10	4x16	4x25	4x35	4x50	4x70	4x95	4x120	4x150	4x185	4x240	4x300	4x400
4" Single phase 230V	0,5	0,37	50	76	126	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0,75	0,55	39	58	97	155	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1	0,75	29	44	73	117	175	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,5	1,1	20	30	50	79	119	198	-	-	-	-	-	-	-	-	-	-	-	-
	2	1,5	-	23	39	62	93	156	249	-	-	-	-	-	-	-	-	-	-	-
	3	2,2	-	-	28	45	68	113	181	-	-	-	-	-	-	-	-	-	-	
4" Three phase 400V	0,5	0,37	325	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	0,75	0,55	223	335	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	1	0,75	167	251	418	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	1,5	1,1	120	179	299	478	-	-	-	-	-	-	-	-	-	-	-	-	-	
	2	1,5	86	129	215	343	515	-	-	-	-	-	-	-	-	-	-	-	-	
	3	2,2	61	91	152	243	365	609	-	-	-	-	-	-	-	-	-	-	-	
	4	3	45	67	112	179	268	446	-	-	-	-	-	-	-	-	-	-	-	
	5,5	4	34	51	85	135	203	338	541	-	-	-	-	-	-	-	-	-	-	
	7,5	5,5	-	40	66	106	159	266	425	-	-	-	-	-	-	-	-	-	-	
	10	7,5	-	-	-	78	117	196	313	-	-	-	-	-	-	-	-	-		
6" Three phase 400V	5,5	4	40	60	100	161	242	404	646	-	-	-	-	-	-	-	-	-		
	7,5	5,5	-	45	75	120	180	300	481	-	-	-	-	-	-	-	-	-		
	10	7,5	-	-	60	96	138	228	354	-	-	-	-	-	-	-	-	-		
	12,5	9,2	-	-	48	77	120	192	306	468	-	-	-	-	-	-	-	-		
	15	11	-	-	-	66	102	162	258	396	525	-	-	-	-	-	-	-		
	20	15	-	-	-	-	72	126	192	294	402	546	-	-	-	-	-	-		
	25	18,5	-	-	-	-	60	102	156	240	330	438	576	-	-	-	-	-		
	30	22	-	-	-	-	-	84	132	204	276	372	489	-	-	-	-	-		
	40	30	-	-	-	-	-	-	102	156	210	288	380	490	580	-	-	-		
	50	37	-	-	-	-	-	-	123	169	230	310	390	460	550	890	-			
8" Three phase 400V	60	45	-	-	-	-	-	-	105	142	200	255	330	387	453	516	800	-		
	75	55	-	-	-	-	-	-	-	117	164	229	270	324	380	435	510	573		
	100	75	-	-	-	-	-	-	-	-	-	160	205	240	290	324	381	429		
	125	93	-	-	-	-	-	-	-	-	-	-	160	190	225	255	300	330		
	150	110	-	-	-	-	-	-	-	-	-	-	-	160	180	183	240	270		

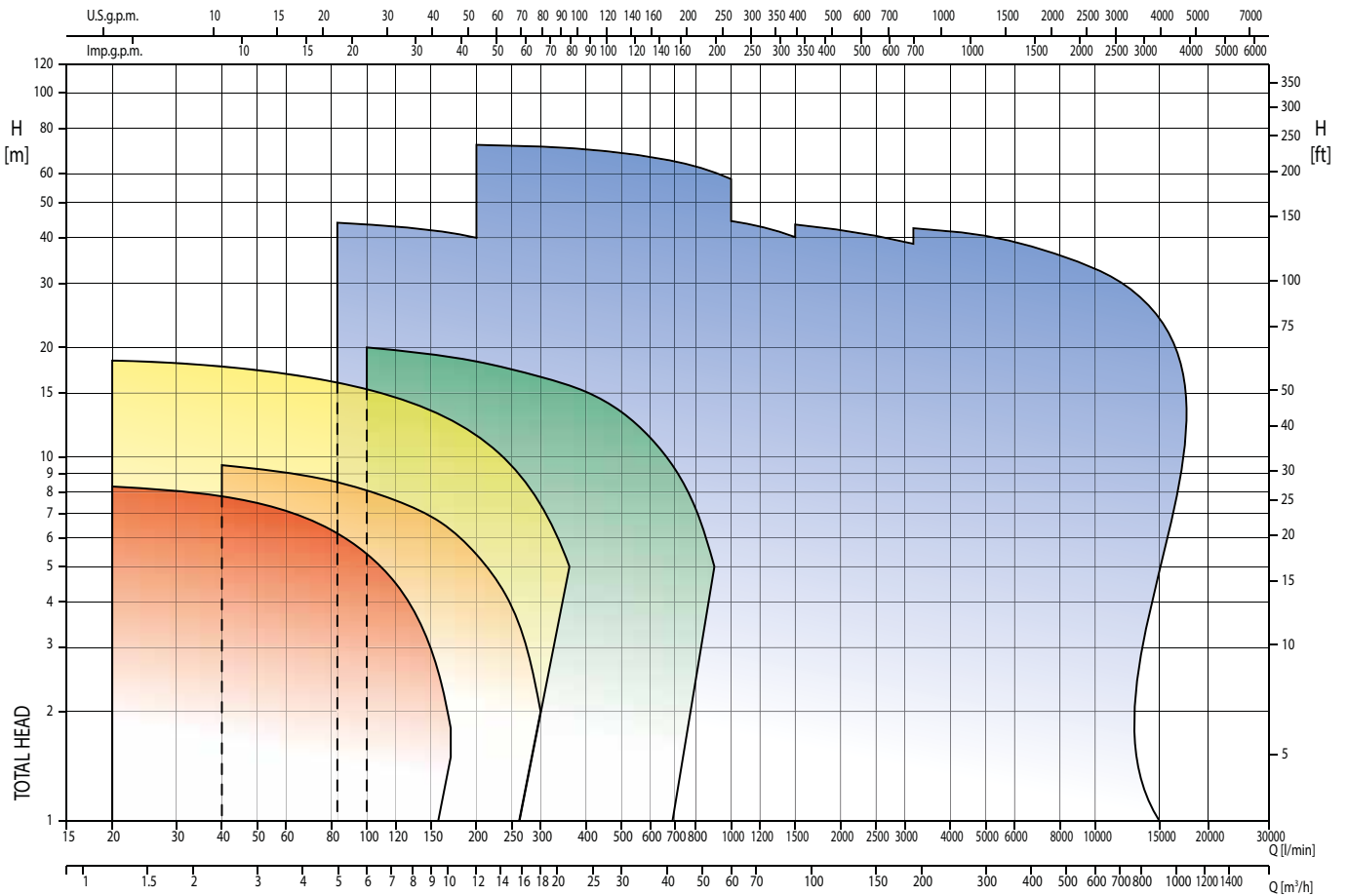
Submersible pumps

Model	External casing	Impeller material	Application	Solids passage
OPTIMA	AISI 304	PPE + PS	Clean water	10 mm
BEST ONE - BEST ONE VOX	AISI 304	AISI 304	Clean water	10 mm*
BEST 2 - 5	AISI 304	AISI 304	Clean water	10 mm
RIGHT	AISI 304	AISI 304	Sewage	35 mm
DW - DW VOX	AISI 304	AISI 304	Sewage and Wastewater	50 mm
D SERIES	Cast iron	Ghisa	Sewage and Wastewater	5 to 150 mm**
EBAMIX	Cast iron/Steel	AISI 316	Mixers	
DUMPER (L)	Aluminium/Steel	Nitride hardened AISI 410	Dewatering	Ø 15 mm

PPE+PS= Technopolymer reinforced with fibreglass

* 20 mm for VOX version

** Depends on the models





OPTIMA

Submersible pumps in AISI 304 stainless steel

226



BEST ONE - BEST ONE VOX

Submersible pumps completely in AISI 304 stainless steel

228



BEST 2-5

Submersible pumps in AISI 304 stainless steel

231



RIGHT

Submersible pumps for wastewater in AISI 304 stainless steel

233



DW - DW VOX

Submersible pumps for wastewater in AISI 304 stainless steel

235



D SERIES

Submersible pumps for wastewater and sewage in cast iron

238



EBAMIX

Submersible mixers

275



DUMPER (L)

Dewatering pumps in AISI 304/316 stainless steel

276



D-TANK

Wastewater collection tanks

286



BEST BOX

Lift stations

288

OPTIMA



Submersible pumps in AISI 304 stainless steel

Submersible pumps with standard mechanical seal used for draining wells, garages, cellars or places subject to flooding. Handling of sewage water or wastewater, water not containing solids. Thanks to their versatility, they can be used in permanent or portable installations. Impeller, diffuser and motor cover in technopolymer reinforced with fibreglass.



OPTIMA MA

OPTIMA MS



Sturdy design,
corrosion
resistant



Possibility to
use in fixed
and mobile
installations



Practical and
easy to use

Materials

Pump body	AISI 304
Impeller	PPE + PS reinforced with fibreglass
Shaft	AISI 303 + AISI 303 ceramic coated shaft sleeve
Shaft seal	Ceramic/Carbon/NBR (mechanical seal) QQV in SiC/SiC/FPM (special mechanical seal) NBR (lip seal)

Technical data

Max. immersion 5 m with 10 m cable length
2 m with 5 m cable length

Max. temperature of the liquid 50°C

Max. solids passage 10 mm

Poles 2

Insulation class F

Protection degree IP68

Voltage Single phase 230V ±10%

Accessories



1"¼ hose connector and related clamp
Page 385 - **OPTIMA - BEST ONE**
accessories

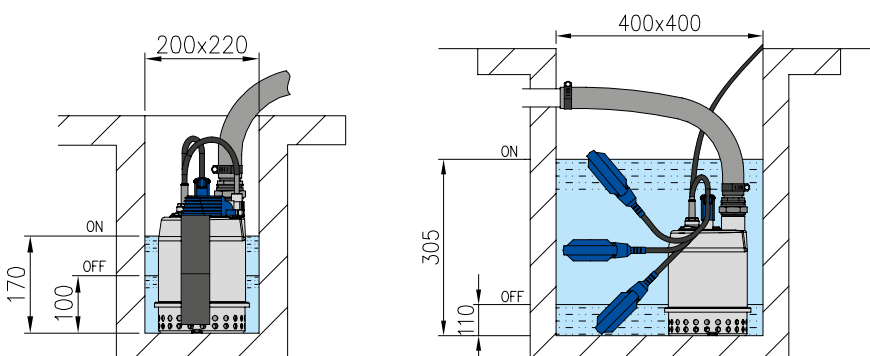


Minimum suction device up to 3 mm
Page 385 - **OPTIMA - BEST ONE**
accessories



Control panels and Control systems
Page 367 - **Control panels**
1EP-1 - QA50/B - QA60/C

Installation

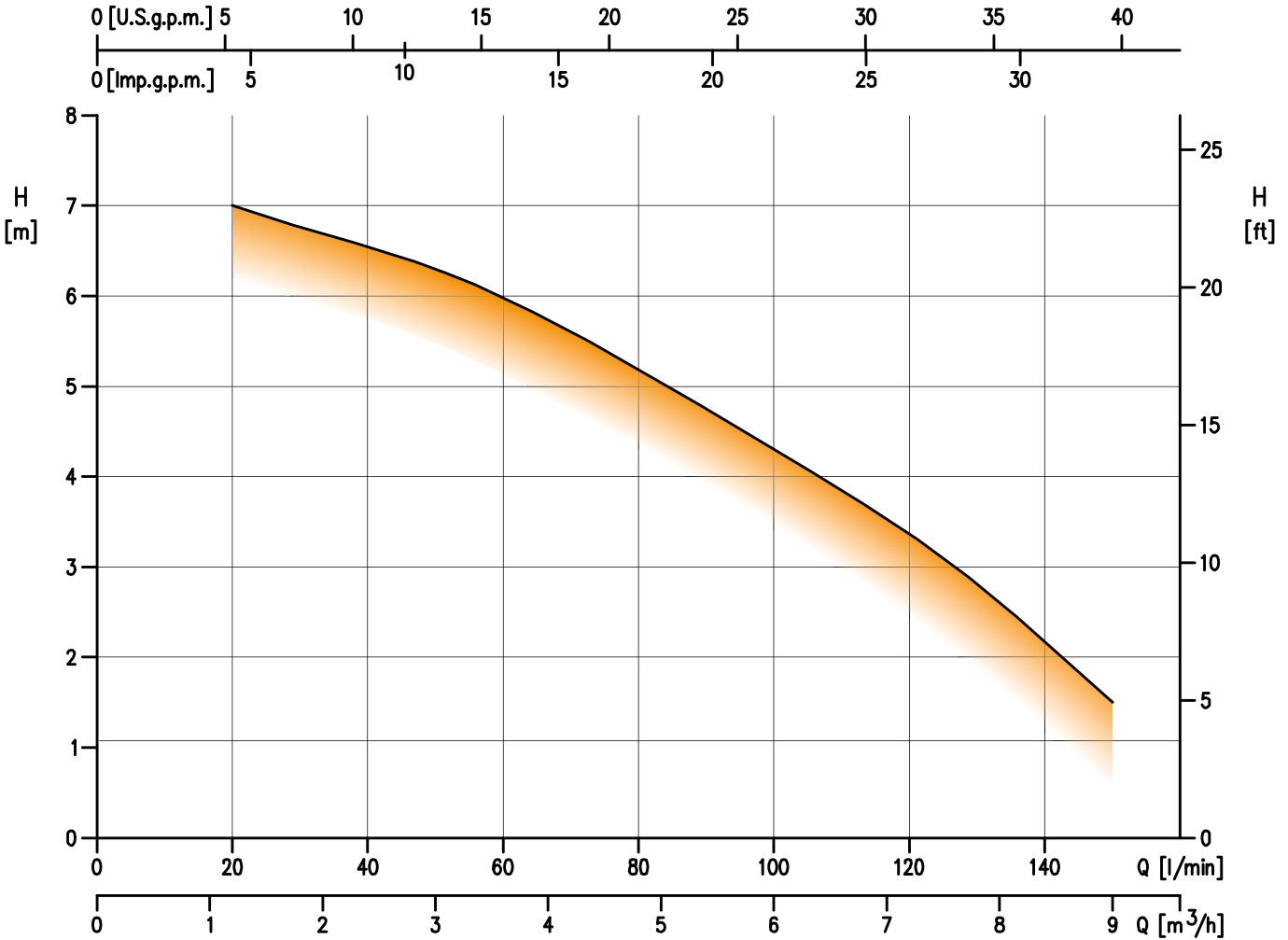


OPTIMA pumps have a great versatility of installation. The choice between vertical magnetic float (small size) or floating switch, allow to choose the best option, also depending on the available space to install the pump. In addition, the right switch type could depend on the water level that it is preferred to have for pump starting.

OPTIMA

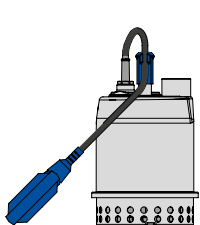


Submersible pumps in AISI 304 stainless steel



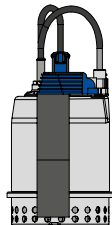
Single phase 230V **2 Poles**

Model	Code	HP	kW	Q=Flow rate						Abs. Curr. [A] 230V	DNA	Weight [kg]
				l/min	20	50	75	100	125			
				H=Total head [m]								
				3	4,5	6	7,5	9				
OPTIMA MA	1751100000	0,33	0,25	7,0	6,3	5,4	4,3	3,1	1,5	1,9	G1¼	4,4
OPTIMA M	1751000000	0,33	0,25	7,0	6,3	5,4	4,3	3,1	1,5	1,9	G1¼	4,2
OPTIMA MA 10 m	1751101200	0,33	0,25	7,0	6,3	5,4	4,3	3,1	1,5	1,9	G1¼	4,5
OPTIMA M 10 m	1751001200	0,33	0,25	7,0	6,3	5,4	4,3	3,1	1,5	1,9	G1¼	4,3
OPTIMA MS	1752100000	0,33	0,25	7,0	6,3	5,4	4,3	3,1	1,5	1,9	G1¼	4,6
OPTIMA MA -QQV	1751107200	0,33	0,25	7,0	6,3	5,4	4,3	3,1	1,5	1,9	G1¼	4,4
OPTIMA M -QQV	1751007200	0,33	0,25	7,0	6,3	5,4	4,3	3,1	1,5	1,9	G1¼	4,2
OPTIMA MS -QQV	1752107200	0,33	0,25	7,0	6,3	5,4	4,3	3,1	1,5	1,9	G1¼	4,6



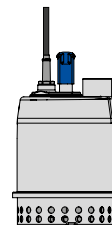
OPTIMA "MA"
is complete of float, the rest of the range has none

- VERSION**
5 m cable
- OPTIMA MA
- OPTIMA MA - QQV
10 m cable
- OPTIMA MA 10 m



OPTIMA "MS"
is complete of vertical magnetic float (Magnetic Switch) which allows minimum amount of space.

- VERSION**
- OPTIMA MS
- OPTIMA MA - QQV



OPTIMA "M"
without float

- VERSION**
5 m cable
- OPTIMA M
- OPTIMA M - QQV
10 m cable
- OPTIMA 10 m

BEST ONE - VOX



Submersible pumps completely in AISI 304 stainless steel

Submersible pumps with standard mechanical seal used for draining wells, garages, cellars or places subject to flooding. Handling of sewage water or wastewater, water not containing solids. Thanks to their versatility, they can be used in permanent or portable installations.



BEST ONE

BEST ONE VOX



Sturdy design,
corrosion
resistant



Possibility to
use in fixed
and mobile
installations



Practical and
easy to use

Materials

Pump body	AISI 304
Impeller	AISI 304
Shaft	AISI 303 + AISI 303 ceramic coated shaft sleeve
Shaft seal	Ceramic/Carbon/NBR (mechanical seal) NBR (lip seal)

Technical data

Max. immersion 5 m with 10 m cable length
2 m with 5 m cable length

Max. temperature of the liquid 50°C

Max. solids passage 10 mm
20 mm VOX (Vortex version)

Poles 2

Insulation class F

Protection degree IP68

Voltage Single phase 230V ± 10%
Three phase 400 ± 10%

Accessories



1"¼ hose connector and related clamp
Page 385 - **OPTIMA - BEST ONE**
accessories



Minimum suction device up to 3 mm
Page 385 - **OPTIMA - BEST ONE**
accessories

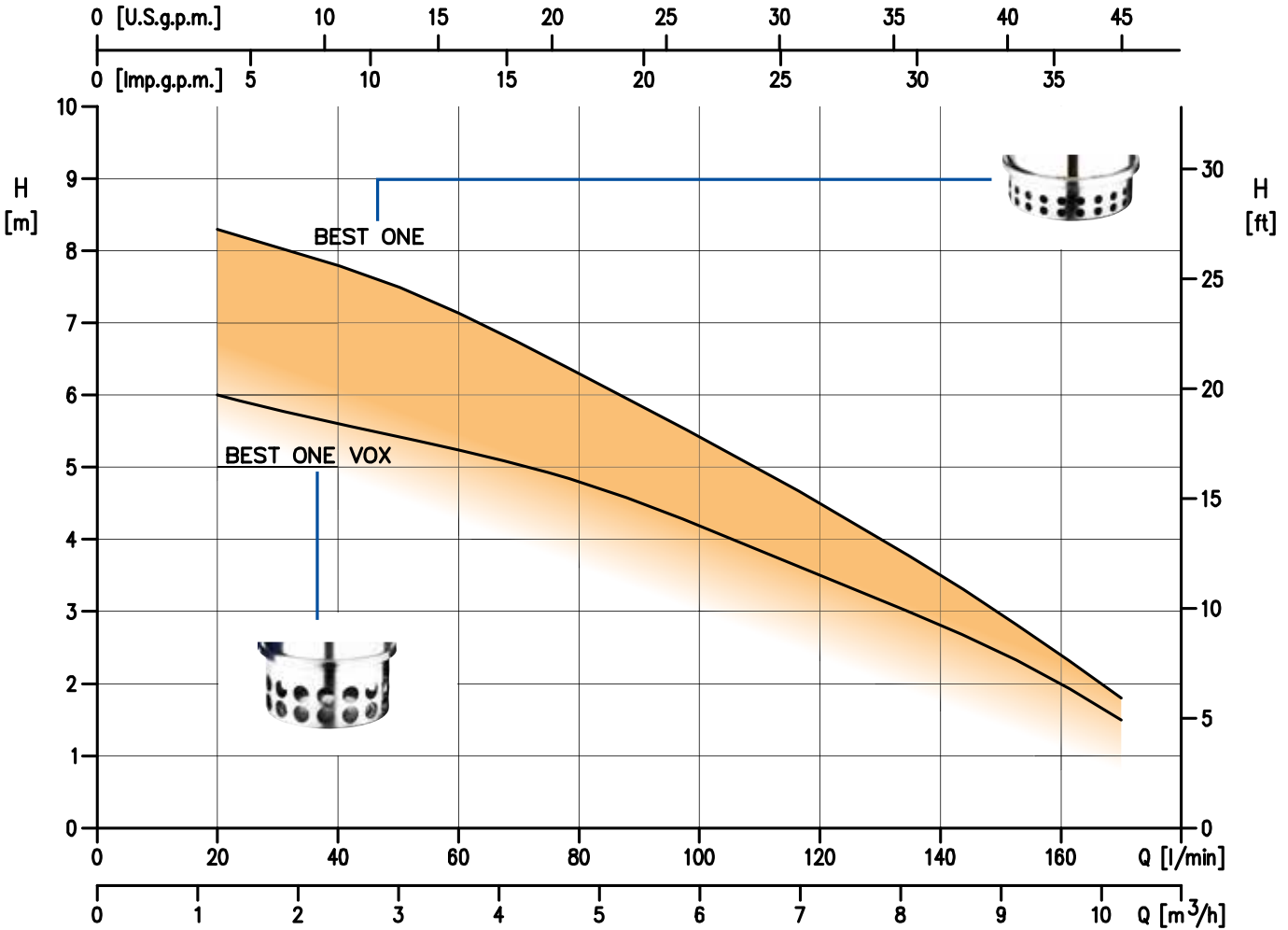


Control panels and Control systems
Page 387 - **Control panels**
1EP-1 - QA50/B - QA60/C

BEST ONE - VOX

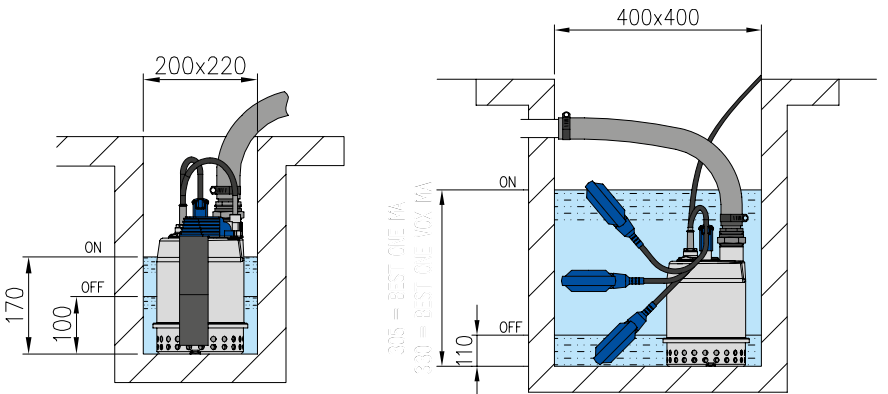


Submersible pumps completely in AISI 304 stainless steel



BEST ONE - VOX

Installation



BEST ONE (VOX) pumps have a great versatility of installation. The choice between vertical magnetic float (small size) or floating switch, allow to choose the best option, also depending on the available space to install the pump. In addition, the right switch type could depend on the water level that it is preferred to have for pump starting.

BEST ONE - VOX



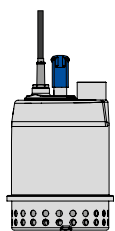
Submersible pumps completely in AISI 304 stainless steel

Single phase 230V 2 Poles

Model	Code	HP	kW	Q=Flow rate							Abs. Curr. [A] 230V	DNM	Weight [kg]
				l/min	20	40	80	120	160	170			
				m ³ /h	1,2	2,4	4,8	7,2	9,6	10,2			
H=Total head [m]													
BEST ONE MA	1711100000	0,33	0,25		8,3	7,8	6,3	4,5	2,4	1,8	2,3	G1¼	4,6
BEST ONE M	1711000000	0,33	0,25		8,3	7,8	6,3	4,5	2,4	1,8	2,3	G1¼	4,4
BEST ONE MA 10 m	1711101400	0,33	0,25		8,3	7,8	6,3	4,5	2,4	1,8	2,3	G1¼	4,7
BEST ONE M 10 m	1711001400	0,33	0,25		8,3	7,8	6,3	4,5	2,4	1,8	2,3	G1¼	4,5
BEST ONE MS	1712100000	0,33	0,25		8,3	7,8	6,3	4,5	2,4	1,8	2,3	G1¼	4,8
BEST ONE VOX MA	1741100000	0,33	0,25		6,0	5,6	4,8	3,5	2,0	1,5	2,2	G1¼	4,7
BEST ONE VOX M	1741000000	0,33	0,25		6,0	5,6	4,8	3,5	2,0	1,5	2,2	G1¼	4,5
BEST ONE VOX MA 10 m	1741101400	0,33	0,25		6,0	5,6	4,8	3,5	2,0	1,5	2,2	G1¼	4,8
BEST ONE VOX M 10 m	1741001400	0,33	0,25		6,0	5,6	4,8	3,5	2,0	1,5	2,2	G1¼	4,6

Three phase 400V 2 Poles

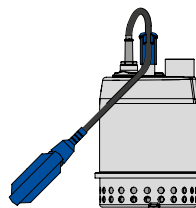
Model	Code	HP	kW	Q=Flow rate							Abs. Curr. [A] 400V	DNM	Weight [kg]
				l/min	20	40	80	120	160	170			
				m ³ /h	1,2	2,4	4,8	7,2	9,6	10,2			
H=Total head [m]													
BEST ONE	1711000004	0,33	0,25		8,3	7,8	6,3	4,5	2,4	1,8	0,8	G1¼	4,4
BEST ONE 10 m	1711001404	0,33	0,25		8,3	7,8	6,3	4,5	2,4	1,8	0,8	G1¼	4,5
BEST ONE VOX	1741000004	0,33	0,25		6,0	5,6	4,8	3,5	2,0	1,5	0,8	G1¼	4,5
BEST ONE VOX 10 m	1741001404	0,33	0,25		6,0	5,6	4,8	3,5	2,0	1,5	0,8	G1¼	4,6



BEST ONE
without float

VERSION

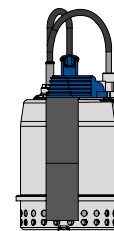
- 5 m cable
- BEST ONE M
- BEST ONE
- 10 m cable
- BEST ONE M 10 m
- BEST ONE 10 m



BEST ONE "A"
is complete of float, the rest of the range has none

VERSION

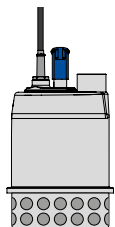
- 5 m cable
- BEST ONE MA
- 10 m cable
- BEST ONE MA 10



BEST ONE "MS"
is complete with vertical magnetic float (Magnetic Switch) which allows minimum amount of space.

VERSION

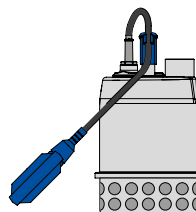
- BEST ONE MS



BEST ONE VOX
without float

VERSION

- 5 m cable
- BEST ONE VOX M
- BEST ONE VOX
- 10 m cable
- BEST ONE VOX M 10 m
- BEST ONE VOX 10 m



BEST ONE VOX "A"
is complete of float, the rest of the range has none

VERSION

- 5 m cable
- BEST ONE VOX MA
- 10 m cable
- BEST ONE VOX MA 10

BEST 2-5



Submersible pumps in AISI 304 stainless steel

Submersible pumps used for handling sewage water, draining cellars, garages and basements, draining small and medium-sized building sites. Thanks to their versatility, they can be used in permanent or portable installations.



Possibility to use in fixed and mobile installations

Materials

Pump body	AISI 304
-----------	----------

Impeller	AISI 304
----------	----------

Shaft	AISI 303 (part in contact with the liquid)
-------	--

Mechanical seal	upper in Carbon/Ceramic/NBR (motor side) lower in SiC/SiC/NBR (pump side)
-----------------	--

Technical data

Max. immersion	7 m
Max. temperature of the liquid	35°C
Max. solids passage	10 mm (suspended particles)
Poles	2
Insulation class	F
Protection degree	IP68
Voltage	Single phase 230V ± 10% Three phase 400V ± 10%

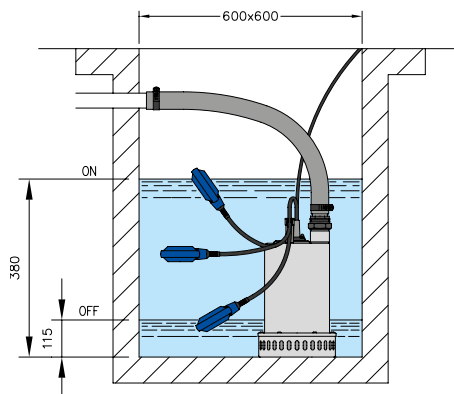
Accessories



Control panels and Control systems

Page 367 - Control panels
1EP-1 - QA50/B - QA60/C - SMART
- QM1 - QT1

Installation

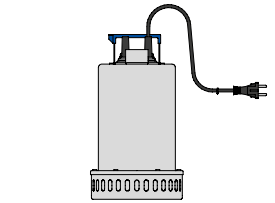
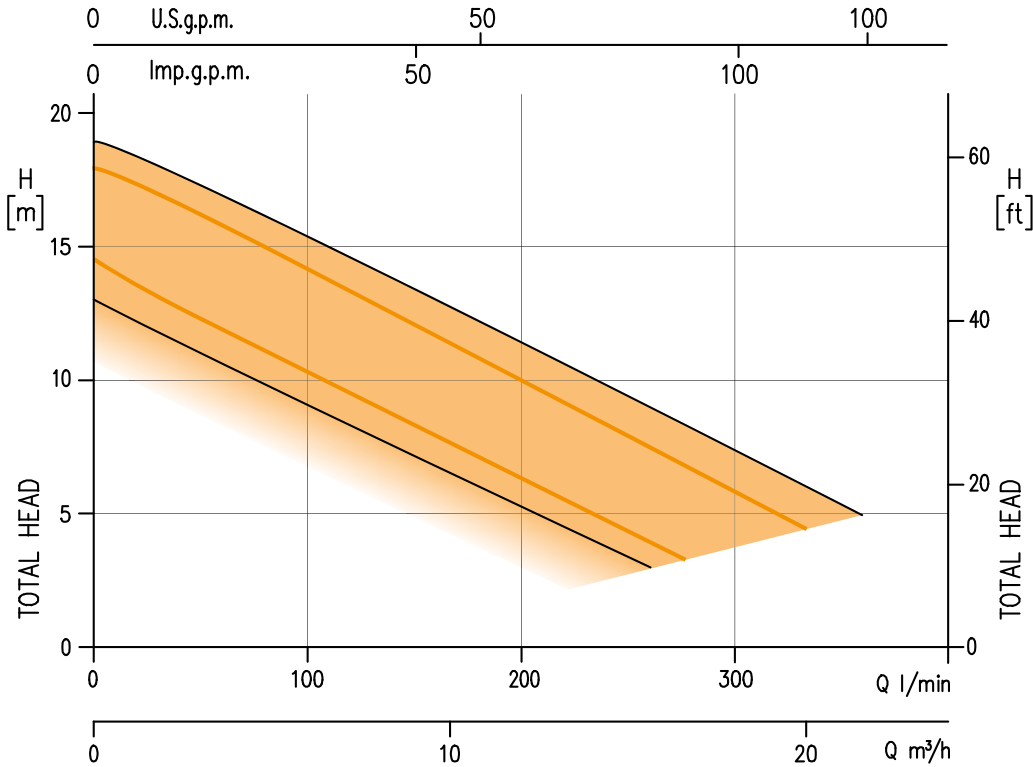


BEST 2 - 5 pumps are also available with a float switch. With this option, the flexibility of purpose of these pumps are increased. However, the choice to using the float switch requires minimum installation space to ensure the proper operation of the pump.

BEST 2-5

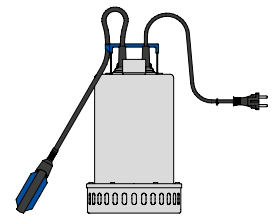


Submersible pumps in AISI 304 stainless steel



BEST 2-5
Without float

- VERSIONS**
- BEST 2-5 M
- BEST 2-5



BEST 2-5 MA
With float

- VERSIONS**
- BEST 2-5 MA

BEST 2-5

Single phase 230V											2 Poles		
Model	Code	HP	kW	Q=Flow rate						Abs. Curr. [A] 230V	DNM	Weight [kg]	
				l/min m³/h	20 1,2	80 4,8	160 9,6	200 12	280 16,8				330 19,8
H=Total head [m]													
BEST 2 MA	1721090021	0,75	0,55		12,2	9,8	6,7	5,0	-	-	4,4	G1½	12,1
BEST 2 M	1721091221	0,75	0,55		12,2	9,8	6,7	5,0	-	-	4,4	G1½	12
BEST 3 MA	1721100021	1	0,75		13,6	11,1	7,9	6,4	3,2	-	5,6	G1½	12,8
BEST 3 M	1721101221	1	0,75		13,6	11,1	7,9	6,4	3,2	-	5,6	G1½	12,7
BEST 4 MA	1731150021	1,5	1,1		17,4	15,0	11,7	10,0	6,7	4,6	7,3	G1½	13,9
BEST 4 M	1731151221	1,5	1,1		17,4	15,0	11,7	10,0	6,7	4,6	7,3	G1½	13,8

"A" version is complete of float, the rest of the range has none

Three phase 400V											2 Poles		
Model	Code	HP	kW	Q=Flow rate						Abs. Curr. [A] 400V	DNM	Weight [kg]	
				l/min m³/h	20 1,2	80 4,8	160 9,6	200 12	280 16,8				330 19,8
H=Total head [m]													
BEST 2	1721091204	0,75	0,55		12,2	9,8	6,7	5,0	-	-	2	G1½	12
BEST 3	1721101204	1	0,75		13,6	11,1	7,9	6,4	3,2	-	2,4	G1½	12,7
BEST 4	1731151204	1,5	1,1		17,4	15,0	11,7	10,0	6,7	4,6	3	G1½	13,8
BEST 5	1731201204	2	1,5		18,4	16,1	12,8	11,4	8,0	6,0	3,3	G1½	13,5

RIGHT



Submersible pumps for wastewater in AISI 304 stainless steel

Submersible pumps particularly suitable for handling liquids containing solid and/or filamentary substances in suspension. Suitable for draining seewage water, handling sewage sanitary fixtures), draining cesspits and discharging into the sewer.

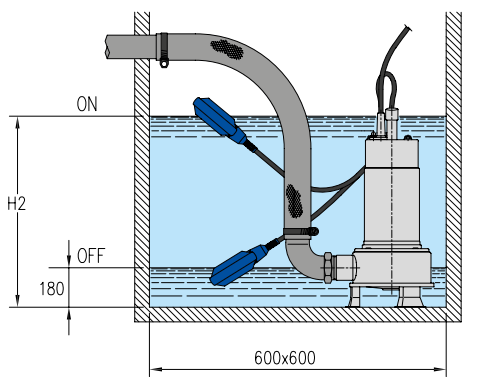


Possibility to use in fixed and mobile installations

Materials

Pump body	AISI 304
Impeller	AISI 304
Shaft	AISI 303 (part in contact with the liquid)
Mechanical seal	upper in Carbon/Ceramic/NBR (motor side) lower in SiC/SiC/NBR (pump side)

Installation



RIGHT pumps are also available with a float switch. With this option, the flexibility of purpose of these pumps are increased. However, the choice to using the float switch requires minimum installation space to ensure the proper operation of the pump.

Technical data

Max. immersion	7 m with 10 m cable length 2 m with 5 m cable length
Max. temperature of the liquid	50°C
Max. solids passage	35 mm (spherical)
Poles	2
Insulation class	F
Protection degree	IP68
Voltage	Single phase 230V ± 10% Three phase 400V ± 10%

Accessories



Lowering device kit adaptor

Page 385 - **RIGHT accessories**
Adaptor to apply DW lowering device kit on RIGHT pumps



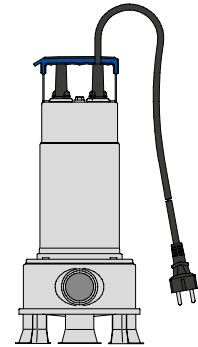
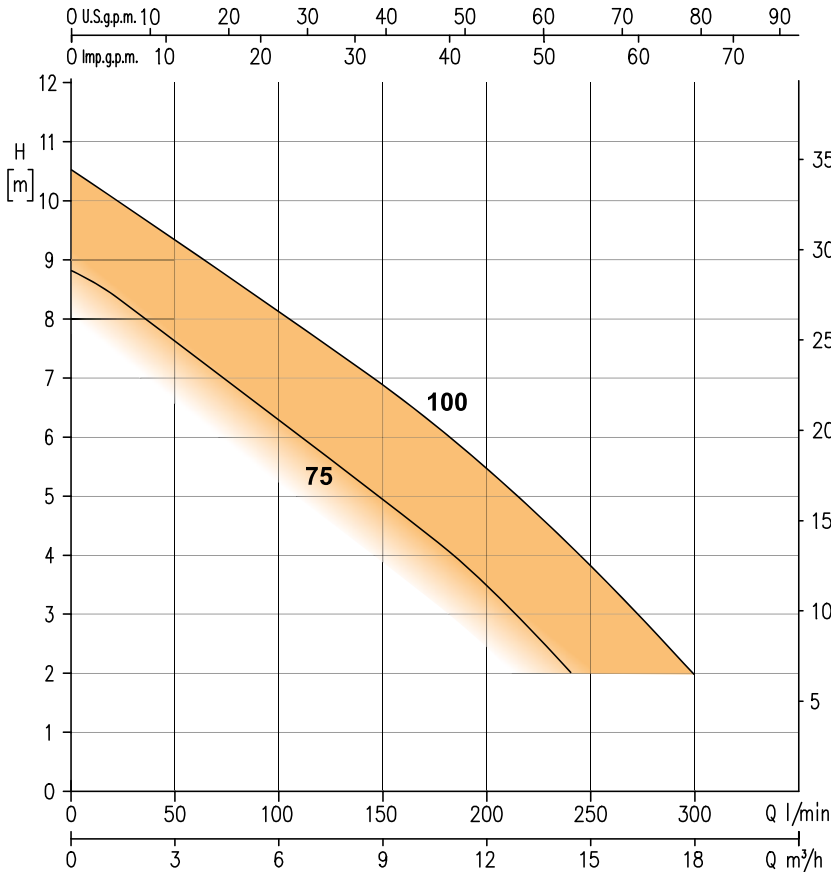
Control panels and Control systems

Page 387 - **Control panels**
1EP-1 - QA50/B - QA60/C - SMART
- QM1 - QT1

RIGHT

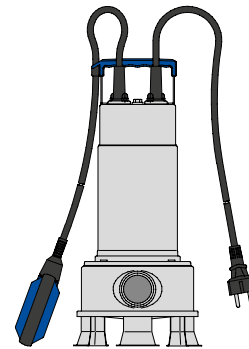


Submersible pumps for wastewater in AISI 304 stainless steel



RIGHT
without float

- Versions**
5 m cable
 - RIGHT M
 - RIGHT
10 m cable
 - RIGHT M 10 m
 - RIGHT 10 m



RIGHT "A"
is complete of float, the rest of the range has none

- Versions**
5 m cable
 - BEST ONE MA
10 m cable
 - BEST ONE MA 10 m

RIGHT

Single phase 230V				2 Poles										
Model	Code	HP	kW	Q=Flow rate								Abs. Curr. [A] 230V	DNM	Weight [kg]
				l/min m³/h	40 2	80 4,8	120 7,2	160 9,6	200 12	240 14,4	300 18			
				H=Total head [m]										
RIGHT 75 M A	1771030021	0,75	0,55		7,8	6,8	5,7	4,7	3,4	2,0	-	4,8	G1½	10
RIGHT 75 M A 10 m	1771031421	0,75	0,55		7,8	6,8	5,7	4,7	3,4	2,0	-	4,8	G1½	10,1
RIGHT 75 M	1771031321	0,75	0,55		7,8	6,8	5,7	4,7	3,4	2,0	-	4,8	G1½	10
RIGHT 75 M 10 m	1771031221	0,75	0,55		7,8	6,8	5,7	4,7	3,4	2,0	-	4,8	G1½	10,1
RIGHT 100 M A	1771050021	1	0,75		9,5	8,6	7,6	6,6	5,4	4,2	2,0	5,7	G1½	11,5
RIGHT 100 M A 10 m	1771051421	1	0,75		9,5	8,6	7,6	6,6	5,4	4,2	2,0	5,7	G1½	11,6
RIGHT 100 M	1771051321	1	0,75		9,5	8,6	7,6	6,6	5,4	4,2	2,0	5,7	G1½	11,5
RIGHT 100 M 10 m	1771051221	1	0,75		9,5	8,6	7,6	6,6	5,4	4,2	2,0	5,7	G1½	11,6

"A" version is complete of float, the rest of the range has none

Three phase 400V				2 Poles										
Model	Code	HP	kW	Q=Flow rate								Abs. Curr. [A] 400V	DNM	Weight [kg]
				l/min m³/h	40 2	80 4,8	120 7,2	160 9,6	200 12	240 14,4	300 18			
				H=Total head [m]										
RIGHT 75	1771030004	0,75	0,55		7,8	6,8	5,7	4,7	3,4	2,0	-	2,1	G1½	10
RIGHT 75 10 m	1771031404	0,75	0,55		7,8	6,8	5,7	4,7	3,4	2,0	-	2,1	G1½	10,1
RIGHT 100	1771050004	1	0,75		9,5	8,6	7,6	6,6	5,4	4,2	2,0	2,6	G1½	11,5
RIGHT 100 10 m	1771051404	1	0,75		9,5	8,6	7,6	6,6	5,4	4,2	2,0	2,6	G1½	11,6

DW - DW VOX



Submersible pumps for wastewater in AISI 304 stainless steel

Submersible pumps particularly suitable for removing domestic and trade waste, draining pits or excavations, handling contaminated liquids in general, including those containing solid and filamentary substances in suspension, draining sewage water, handling sewage (sanitary fixtures) and draining cesspits. Fitted with single channel or vortex (VOX) impeller and flanged with or without mount (F - FZ)



Possibility to use in fixed and mobile installations

Materials

Pump body	AISI 304
Impeller	AISI 304
Shaft	AISI 303 (part in contact with the liquid)
Mechanical seal	upper in Carbon/Ceramic/NBR (motor side) lower in SiC/SiC/NBR (pump side)

Pipe connections



Threaded
DW
DW VOX



Flanged
DWF
DW VOXF

Technical data

Max. immersion	7 m
Max. temperature of the liquid	40°C
Max. solids passage	50 mm (spherical)
Poles	2
Insulation class	F
Protection degree	IP68
Voltage	Single phase 230V ± 10% Three phase 400V ± 10%

Accessories



Lowering device kit

Page 385 - **DW - DW VOX accessories**

Lowering device kit for DW complete of fixing bracket, guide hook and fixed base. Available in stainless steel or cast iron, threaded or flanged.



Control panels and Control systems

Page 367 - **Control panels**

1EP-1 - QA60/C - SMART - QT1

Options



Mechanical seal

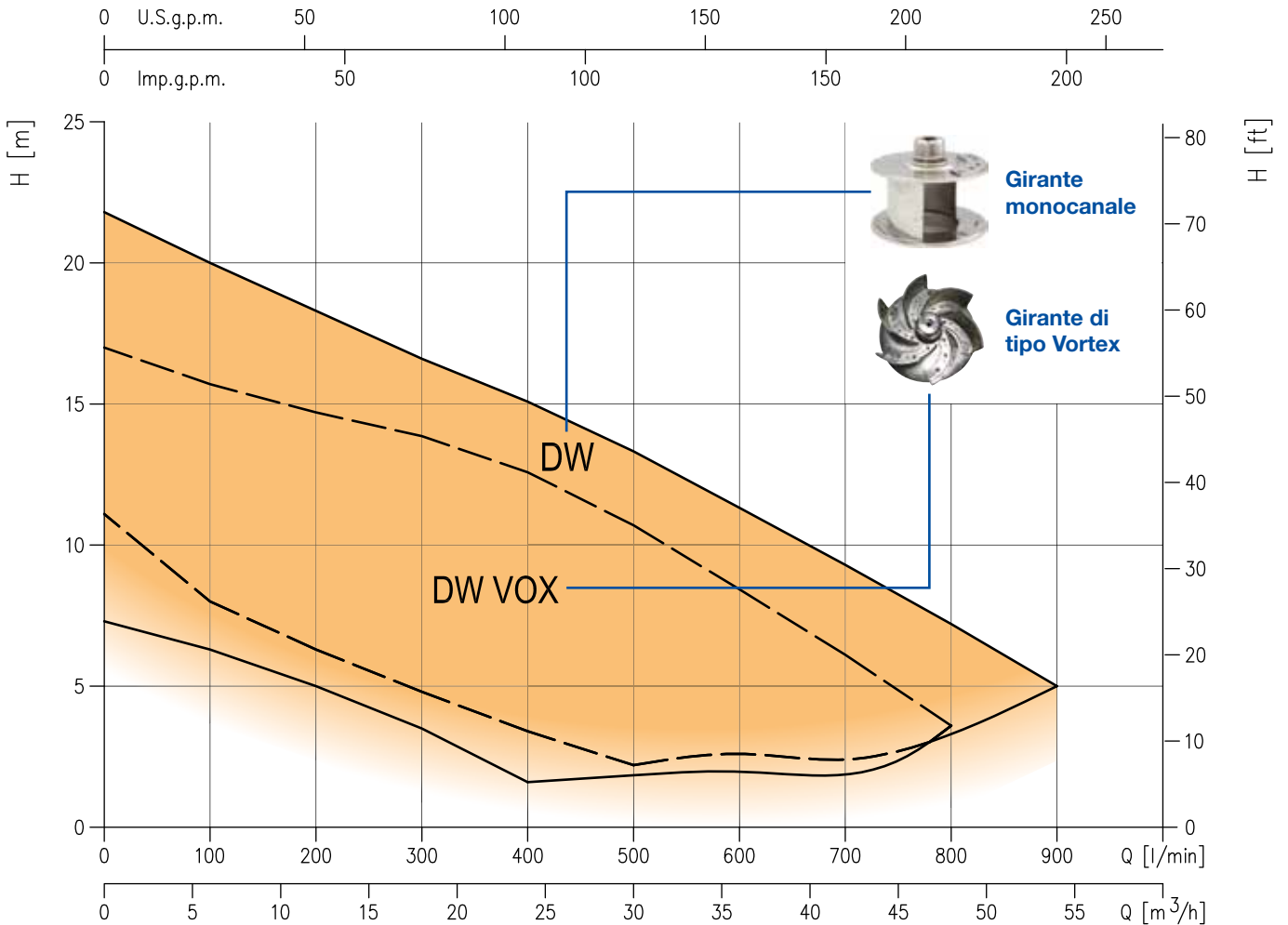
Page 391 - **U3U3VGG**

DW - DW VOX

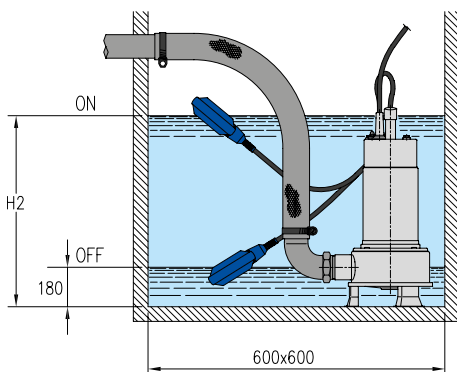


Submersible pumps for wastewater in AISI 304 stainless steel

DW - DW VOX



Installation



DW(F) (VOX) "A"
is complete of float, the
rest of the range has
none

VERSION

- DW M A
- DWF M A
- DW VOX M A
- DW VOXF M A

DW - DW VOX pumps are also available with a float switch. With this option, the flexibility of purpose of these pumps are increased. However, the choice to using the float switch requires minimum installation space to ensure the proper operation of the pump.

DW - DW VOX



Submersible pumps for wastewater in AISI 304 stainless steel

Single phase 230V												2 Poles		
Model	Code	HP	kW	Q=Flow rate								Abs. Curr. [A] 230V	DNM	Weight [kg]
				l/min	100	200	300	400	500	700	900			
				m ³ /h	6	12	18	24	30	42	54			
H=Total head [m]														
DW M 75	1589030021	0,75	0,55		8,0	6,3	4,8	3,4	2,2	-	-	3,9	G2	15,8
DW M 75 A	1589031221	0,75	0,55		8,0	6,3	4,8	3,4	2,2	-	-	3,9	G2	16
DW M 100	1589050021	1	0,75		10,6	8,7	7,1	5,5	4,0	-	-	5,9	G2	17,8
DW M 100 A	1589051221	1	0,75		10,6	8,7	7,1	5,5	4,0	-	-	5,9	G2	18
DW M 150	1589070021	1,5	1,1		13,1	11,3	9,5	7,7	5,9	2,4	-	7,3	G2	19,2
DW M 150 A	1589071221	1,5	1,1		13,1	11,3	9,5	7,7	5,9	2,4	-	7,3	G2	19,4
DWF M 75	1588030021	0,75	0,55		8,0	6,3	4,8	3,4	2,2	-	-	3,9	DN 50	16,6
DWF M 75 A	1588031221	0,75	0,55		8,0	6,3	4,8	3,4	2,2	-	-	3,9	DN 50	16,8
DWF M 100	1588050021	1	0,75		10,6	8,7	7,1	5,5	4,0	-	-	5,9	DN 50	18,6
DWF M 100 A	1588051221	1	0,75		10,6	8,7	7,1	5,5	4,0	-	-	5,9	DN 50	18,8
DWF M 150	1588070021	1,5	1,1		13,1	11,3	9,5	7,7	5,9	2,4	-	7,3	DN 50	20
DWF M 150 A	1588071221	1,5	1,1		13,1	11,3	9,5	7,7	5,9	2,4	-	7,3	DN 50	20,2
DW VOX M 75	1599030021	0,75	0,55		6,3	5,0	3,5	1,6	-	-	-	3,9	G2	15,4
DW VOX M 75 A	1599031221	0,75	0,55		6,3	5,0	3,5	1,6	-	-	-	3,9	G2	15,6
DW VOX M 100	1599050021	1	0,75		7,9	6,7	5,3	3,7	1,9	-	-	5,8	G2	17,4
DW VOX M 100 A	1599051221	1	0,75		7,9	6,7	5,3	3,7	1,9	-	-	5,8	G2	17,6
DW VOX M 150	1599070021	1,5	1,1		10,2	9,0	7,6	6,1	4,1	-	-	7,3	G2	18,8
DW VOX M 150 A	1599071221	1,5	1,1		10,2	9,0	7,6	6,1	4,1	-	-	7,3	G2	19
DW VOXF M 75	1598030021	0,75	0,55		6,3	5,0	3,5	1,6	-	-	-	3,9	DN 50	16,2
DW VOXF M 75 A	1598031221	0,75	0,55		6,3	5,0	3,5	1,6	-	-	-	3,9	DN 50	16,4
DW VOXF M 100	1598050021	1	0,75		7,9	6,7	5,3	3,7	1,9	-	-	5,8	DN 50	18,2
DW VOXF M 100 A	1598051221	1	0,75		7,9	6,7	5,3	3,7	1,9	-	-	5,8	DN 50	18,4
DW VOXF M 150	1598070021	1,5	1,1		10,2	9,0	7,6	6,1	4,1	-	-	7,3	DN 50	19,6
DW VOXF M 150 A	1598071221	1,5	1,1		10,2	9,0	7,6	6,1	4,1	-	-	7,3	DN 50	19,8

"A" version is complete of float, the rest of the range has none

Three phase 400V												2 Poles		
Model	Code	HP	kW	Q=Flow rate								Abs. Curr. [A] 400V	DNM	Weight [kg]
				l/min	100	200	300	400	500	700	900			
				m ³ /h	6	12	18	24	30	42	54			
H=Total head [m]														
DW 75	1589030004	0,75	0,55		8,0	6,3	4,8	3,4	2,2	-	-	1,5	G2	15,4
DW 100	1589050004	1	0,75		10,6	8,7	7,1	5,5	4,0	-	-	2,1	G2	16,8
DW 150	1589070004	1,5	1,1		13,1	11,3	9,5	7,7	5,9	2,4	-	2,8	G2	18,6
DW 200	1589080004	2	1,5		16,6	15,0	13,3	11,4	9,5	5,4	-	3,6	G2	20
DW 300 *	1589090004	3	2,2		20,0	18,3	16,6	15,1	13,3	9,3	5,0	5	G2	25,8
DWF 75	1588030004	0,75	0,55		8,0	6,3	4,8	3,4	2,2	-	-	1,5	DN 50	16,2
DWF 100	1588050004	1	0,75		10,6	8,7	7,1	5,5	4,0	-	-	2,1	DN 50	17,6
DWF 150	1588070004	1,5	1,1		13,1	11,3	9,5	7,7	5,9	2,4	-	2,8	DN 50	19,4
DWF 200	1588080004	2	1,5		16,6	15,0	13,3	11,4	9,5	5,4	-	3,6	DN 50	20,8
DWF 300 *	1588090004	3	2,2		20,0	18,3	16,6	15,1	13,3	9,3	5,0	5	DN 50	26,6
DW VOX 75	1599030004	0,75	0,55		6,3	5,0	3,5	1,6	-	-	-	1,4	G2	15,2
DW VOX 100	1599050004	1	0,75		7,9	6,7	5,3	3,7	1,9	-	-	2,1	G2	16,4
DW VOX 150	1599070004	1,5	1,1		10,2	9,0	7,6	6,1	4,1	-	-	2,8	G2	18,1
DW VOX 200	1599080004	2	1,5		12,5	11,2	9,8	8,3	6,4	1,6	-	3,3	G2	19,6
DW VOX 300 *	1599090004	3	2,2		15,7	14,7	13,9	12,6	10,7	6,1	-	4,4	G2	25,4
DW VOXF 75	1598030004	0,75	0,55		6,3	5,0	3,5	1,6	-	-	-	1,4	DN 50	16
DW VOXF 100	1598050004	1	0,75		7,9	6,7	5,3	3,7	1,9	-	-	2,1	DN 50	17,2
DW VOXF 150	1598070004	1,5	1,1		10,2	9,0	7,6	6,1	4,1	-	-	2,8	DN 50	18,9
DW VOXF 200	1598080004	2	1,5		12,5	11,2	9,8	8,3	6,4	1,6	-	3,3	DN 50	20,4
DW VOXF 300 *	1598090004	3	2,2		15,7	14,7	13,9	12,6	10,7	6,1	-	4,4	DN 50	26,2

* Equipped with cast iron spacer

D Series


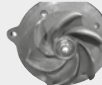





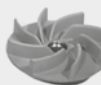



Submersible electric pumps for wastewater in cast iron

Submersible electric pumps particularly suitable for removing domestic and trade waste, sewage treatment, handling contaminated liquids in general, including those containing solid and filamentary substances in suspension, draining sewage water, handling sewage (sanitary fixtures) and draining cesspits.



Selection Table

Model	DS/DSF	DVS	DRS	65DL 51,5 80DL 51,5-53,7 100DL 53,7	100DL 55,5-18,5 150DL 55,5-22 200DL 55,5-22 250DL 57,5-22 300DL 511-22 80-100DLC/DLB 100DLB W/C 5,5-7,5	DL W/C (with cutter)	DML/DMLF	DMLV/DMLVF	DRD
N. Poles	2	2	2	4	4	4	4 (DML) 2 (DMLF)	2, 4, 6	2, 4, 6, 8
Type of fluid	Clear and rain water	Water loaded with suspended solids	Water loaded with suspended solid bodies and filaments	Water loaded with suspended solid bodies and filaments	Water loaded with suspended solids and filaments	Water loaded with suspended solids and filaments	Water loaded with suspended solids	Water loaded with suspended solids	Water loaded with suspended solids
rpm	2850	2850	2850	1450	1450	1450	1450 (DML) 2850 (DMLF)	950, 1450,2850	2850,1450, 950, 750
Impeller	Semi-open, clearance 	Semi-vortex, non-clogging 	Open impeller with suction grinder 	Two-channel open 	Non-clogging, semi-open 	Open single-channel impeller with cutter 	Single-channel impeller 	Vortex impeller 	Double/triple channel impeller 
Max. free passage diameter	5 to 10 mm	21 to 41 mm	6 to 7 mm	46 to 57 mm	46 to 88 mm	46 to 60 mm	76 mm (DML) 30 mm (DMLF 1,1kW) 40 mm (DMLF)	30 to 150 mm	30 to 140 mm

DS - DSF



Submersible electric pumps with semi-open impeller

Electric pumps with semi-open cast iron impeller and non-clogging filter. The semi-open impeller guarantees high pump efficiency. Fitted with seal in the lower and upper part (DF) they are suitable for the pumping of clear and rain waters in civil and industrial applications.



Possibility to use in fixed and mobile installations



Non-clogging filter



Impeller semiaperta a rasamento

Materials

Pump body	Cast iron
Impeller	Cast iron
Shaft	AISI 403 (DS) AISI 420B (DSF)
Mechanical seal	Impeller side: SiC/SiC/NBR Motor side: Carbon/Ceramic/NBR (from 6 kW and above for DSF)

Technical data

Max. immersion	7 m
Max. temperature of the liquid	40°C
Maximum length of fibres	50 mm
Max. solids passage	5 mm (50DS) 6 mm (65DS) (40DSF 1.5, 1.9 kW) 7 mm (80DS) (40DSF 6 kW) 8 mm (100DS)
Poles	2
Insulation class	F per DS H per DSF
Protection degree	IP68
Voltage	Three phase 380-415±10% (DS) Single phase 230±10% (DSF) Three phase 400/690±10% (DSF)

Accessories



Quick discharge connection

Pag. 386 - **Quick discharge connection (QDC)**
For DS, DVS, DML, DMLV, DL-DL W/C (with cutter)



Adaptors

Pag. 386 - **Lowering slide kit 2 DN50 guide pipes**
Adaptor for the use of lowering slide kit (QDC)

Pag. 386 - **Flange adaptor**
(Steel C40) JIS/DIN (DS, DVS, DL-DL W/C, DML, DMLV)

Pag. 386 - **Hook guide**
Adaptor (guide pipe) and flange for adaptor



Various accessories

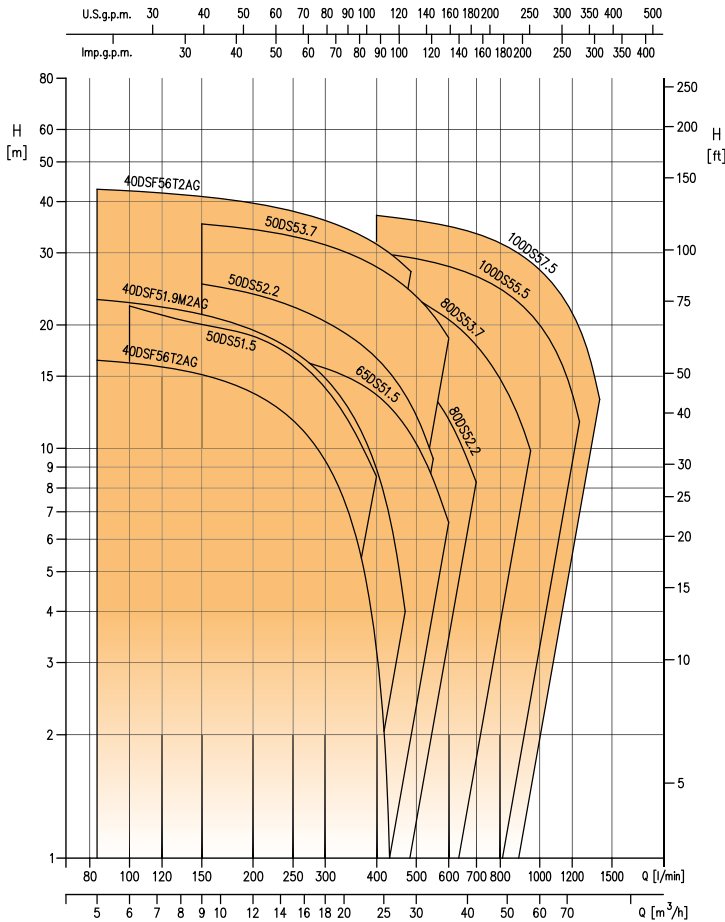
Pag. 387 - **DMLF-DMLVF-DSF-DRD-DRS Accessories**

- QDC - Quick discharge connection
- Elbow for discharge
- Tripod
- Threaded flange

DS - DSF



Submersible electric pumps with semi-open impeller



Selection table

Model	HP	kW	Q=Flow rate																		
			l/min	83	100	150	200	250	300	400	433	467	483	550	600	700	800	950	1170	1250	1400
			m ³ /h	5	6	9	12	15	18	24	26	28	29	33	36	42	48	57	70,2	75	84
			H=Total head [m]																		
40DSF51.5M2CG	2	1,5		16,4	16,2	15,1	13,6	11,7	9,3	3,2	0,8	-	-	-	-	-	-	-	-	-	-
40DSF51.9M2AG	2,5	1,9		23,1	22,7	21,2	19,4	17,3	14,8	8,9	6,6	4,2	-	-	-	-	-	-	-	-	-
40DSF56T2AG	8	6		43	42,5	41	39,6	37,9	36	31,5	30	28	27,1	-	-	-	-	-	-	-	-
50DS51.5-3	2	1,5		-	22,3	20,7	18,8	16,5	14	8,5	-	-	-	-	-	-	-	-	-	-	-
50DS52.2-3	3	2,2		-	-	25,2	23,7	22,1	20,4	16,6	15,2	13,6	12,9	9,4	-	-	-	-	-	-	-
50DS53.7-3	5	3,7		-	-	35,3	34,2	32,9	31,4	27,7	26,4	25,0	24,2	21,1	18,6	-	-	-	-	-	-
65DS51.5-3	2	1,5		-	-	17,5	17,1	16,5	15,7	13,5	12,5	11	10,9	8,5	6,6	-	-	-	-	-	-
80DS52.2-3	3	2,2		-	-	-	20,8	20,2	19,4	17,6	16,8	15,9	15,5	13,4	11,8	8,3	-	-	-	-	-
80DS53.7-3	5	3,7		-	-	-	-	26,3	25,8	24,6	24,0	23,5	23,1	21,8	20,6	17,8	14,8	9,9	-	-	-
100DS55.5-3	7,5	5,5		-	-	-	-	-	30,7	30	30	29,4	29,2	28,4	27,8	26,3	24,5	21,3	14,8	11,6	-
100DS57.5-3	10	7,5		-	-	-	-	-	-	37	37	36,4	36,2	35,5	34,8	33,4	31,7	28,5	22,5	19,7	13,2

DS - DSF



Submersible electric pumps with semi-open impeller

Single phase 230V

Model	Code	HP	kW	rpm	Abs. Curr. [A] 230V	Passage [mm]	DNM	Weight [kg]
40DSF51.5M2CG	1875000112	2	1,5	2754	9	6	40	38,0
40DSF51.9M2AG	1875000110	2,5	1,9	2773	11,4	6	40	38,0

Three phase 400V

Model	Code	HP	kW	rpm	Abs. Curr. [A] 400V	Passage [mm]	DNM	Weight [kg]
40DSF56T2AG *	1875000118	8	6,0	2842	10,9	7	40	68,0
50DS51.5-3	1545500054	2	1,5	2800	3,3	5	50	25,0
50DS52.2-3	1545500055	3	2,2	2800	5	5	50	55,0
50DS53.7-3	1545500056	5	3,7	2800	7,8	5	50	61,0
65DS51.5-3	1545500057	2	1,5	2800	3,3	6	65	35,0
80DS52.2-3	1545500058	3	2,2	2800	5	7	80	59,0
80DS53.7-3	1545500059	5	3,7	2800	7,8	7	80	64,0
100DS55.5-3	1545500060	7,5	5,5	2800	10,8	8	100	92,0
100DS57.5-3	1545500061	10	7,5	2800	14,3	8	100	104,0

* Three phase 400/690V - SD start, for the rest of the range DOL start

DVS



Submersible electric pumps with semi-vortex impeller

Submersible electric pumps with cast iron semi-vortex impeller. The semi-vortex impeller pumps foreign bodies up to 70% of the diameter of the delivery mouth, while ensuring easy of maintenance. The constructive type of the impeller makes them particularly suitable for use with soiled waters and also for heavy-duty uses in residential and industrial applications.



Possibility to use in fixed and mobile installations



semi vortex anti-blockage impeller

Materials

Pump body	Cast iron
Impeller	Cast iron
Shaft	AISI 403
Mechanical seal	Impeller side: SiC/SiC/NBR Motor side: Carbon/Ceramic/NBR

Technical data

Max. immersion	7 m
Max. temperature of the liquid	40°C
Maximum length of fibres	100 mm (50DVS) 200 mm (65DVS and 80DVS 1,5kW) 245 mm (65DVS and 80DVS 2,2-3,7 kW)
Max. solids passage	21 mm (50DVS) 33 mm (65DVS and 80DVS 1,5kW) 41 mm (65DVS and 80DVS 2,2-3,7 kW)
Poles	2
Insulation class	F
Protection degree	IP68
Voltage	Three phase 380-415±10%

Accessories



Quick discharge connection

Pag. 386 - **Quick discharge connection (QDC)**
For DS, DVS, DML, DMLV, DL-DL W/C (with cutter)



Adaptors

Pag. 386 - **Lowering slide kit 2 DN50 guide pipes**
Adaptor for the use of lowering slide kit (QDC)

Pag. 386 - **Flange adaptor**
(Steel C40) JIS/DIN (DS, DVS, DL-DL W/C, DML, DMLV)

Pag. 386 - **Hook guide**
Adaptor (guide pipe) and flange for adaptor



Various accessories

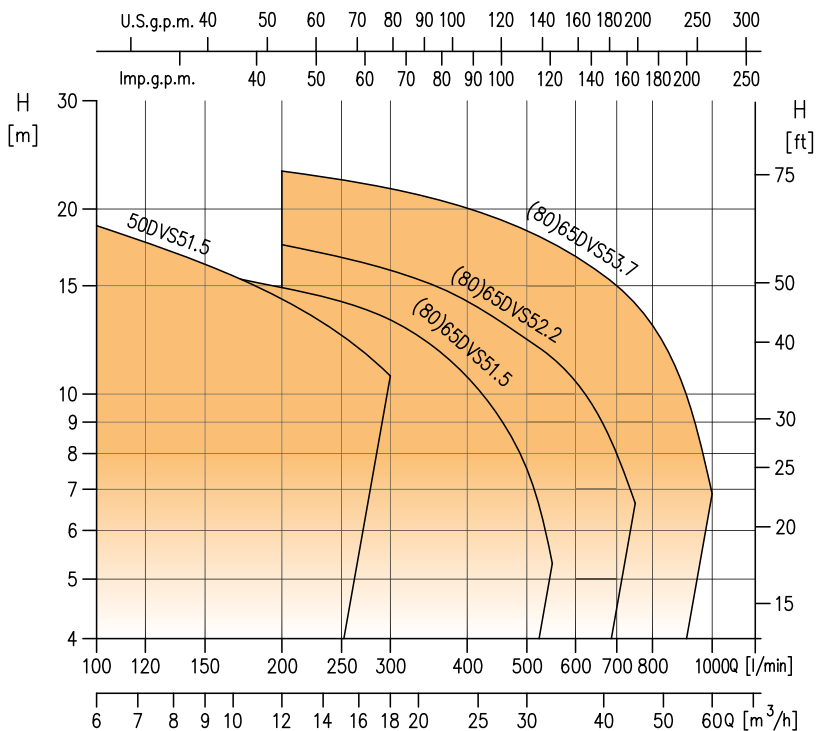
Pag. 387 - **DMLF-DMLVF-DSF-DRD-DRS Accessories**

- QDC - Quick discharge connection
- Elbow for discharge
- Tripod
- Threaded flange

DVS



Submersible electric pumps with semi-vortex impeller



Selection table

Model	HP	kW	Q=Flow rate												
			l/min m³/h	100 6	150 9	200 12	300 18	400 24	500 30	550 33	600 36	700 42	750 45	900 54	1000 60
			H=Total head [m]												
50DVS51.5-3	2	1,5		18,8	16,6	14,3	10,7	-	-	-	-	-	-	-	-
65DVS51.5-3	2	1,5		-	15,8	14,9	13,2	10,9	7,6	5,3	-	-	-	-	-
65DVS52.2-3	3	2,2		-	-	17,5	15,9	14,2	12,3	11,5	10,5	8,1	6,6	-	-
65DVS53.7-3	5	3,7		-	-	23,0	21,6	20,1	18,4	17,6	16,7	15,0	14,0	10,4	6,9
80DVS51.5-3	2	1,5		-	15,8	14,9	13,2	10,9	7,6	5,3	-	-	-	-	-
80DVS52.2-3	3	2,2		-	-	17,5	15,9	14,2	12,3	11,5	10,5	8,1	6,6	-	-
80DVS53.7-3	5	3,7		-	-	23,0	21,6	20,1	18,4	17,6	16,7	15,0	14,0	10,4	6,9

Three phase 380-415V

Model	Code	HP	kW	Q=Flow rate						rpm	Abs. Curr. [A]			Passage [mm]	DNM	Weight [kg]	
				l/min	100	200	400	550	700		1000	380V	400V				415V
				m³/h	6	12	24	33	42		60						
			H=Total head [m]														
50DVS51.5-3	1545500062	2	1,5		18,8	14,3	-	-	-	-	2800	3,7	3,3	5,1	21	50	27,0
65DVS51.5-3	1545500063	2	1,5		-	14,9	10,9	5,3	-	-	2800	3,7	3,3	5,1	33	65	34,0
65DVS52.2-3	1545500065	3	2,2		-	17,5	14,2	11,5	8,1	-	2800	5,1	5	4,6	41	65	50,0
65DVS53.7-3	1545500067	5	3,7		-	23,0	20,1	17,6	15,0	6,9	2800	8,8	7,8	7,8	41	65	59,0
80DVS51.5-3	1545500064	2	1,5		-	14,9	10,9	5,3	-	-	2800	3,7	3,3	5,1	33	80	35,0
80DVS52.2-3	1545500066	3	2,2		-	17,5	14,2	11,5	8,1	-	2800	5,1	5	4,6	41	80	51,0
80DVS53.7-3	1545500068	5	3,7		-	23,0	20,1	17,6	15,0	6,9	2800	8,8	7,8	7,8	41	80	60,0

DML - DMLF



Submersible electric pumps with single channel impeller

Submersible electric pumps that are particularly suitable for the evacuation of civil and industrial waste water, sewage treatment, the drainage of subsoil areas, the handling of liquids including loaded with solid and filamentous substances in the drainage of infiltration waters, handling of sewage waters (health services) and the emptying of cesspits.



Possibility to use in fixed and mobile installations



Single channel impeller

Technical data

Max. immersion	7 m for DML 20 m for DMLF
Max. temperature of the liquid	40°C
Maximum length of fibres	500m
Max. solids passage	76 mm (DML) 30 mm (DMLF 1,4 kW) 40 mm (DMLF)
Poles	2, 4
Insulation class	F (DML) H (DMLF)
Protection degree	IP68
Voltage	Three phase 380-415V -10+6%, (DML 2.2 kW) - DOL Three phase 380-415V ±10% (DML 3.7÷22 kW) - Y/ Single phase 230V ±10% (DMLF)

Materials

Pump body	Cast iron
Impeller	Cast iron
Shaft	AISI 403 (DML) AISI 420B (DMLF)
Mechanical seal	Impeller side: SiC/SiC/NBR (DML and DMLF) Motor side: Carbon/Ceramic/NBR (DML)

Accessories



Quick discharge connection

Pag. 386 - **Quick discharge connection (QDC)**
For DS, DVS, DML, DMLV, DL-DL W/C (with cutter)



Adaptors

Pag. 386 - **Lowering slide kit 2 DN50 guide pipes**
Adaptor for the use of lowering slide kit (QDC)

Pag. 386 - **Flange adaptor**
(Steel C40) JIS/DIN (DS, DVS, DL-DL W/C, DML, DMLV)

Pag. 386 - **Hook guide**
Adaptor (guide pipe) and flange for adaptor



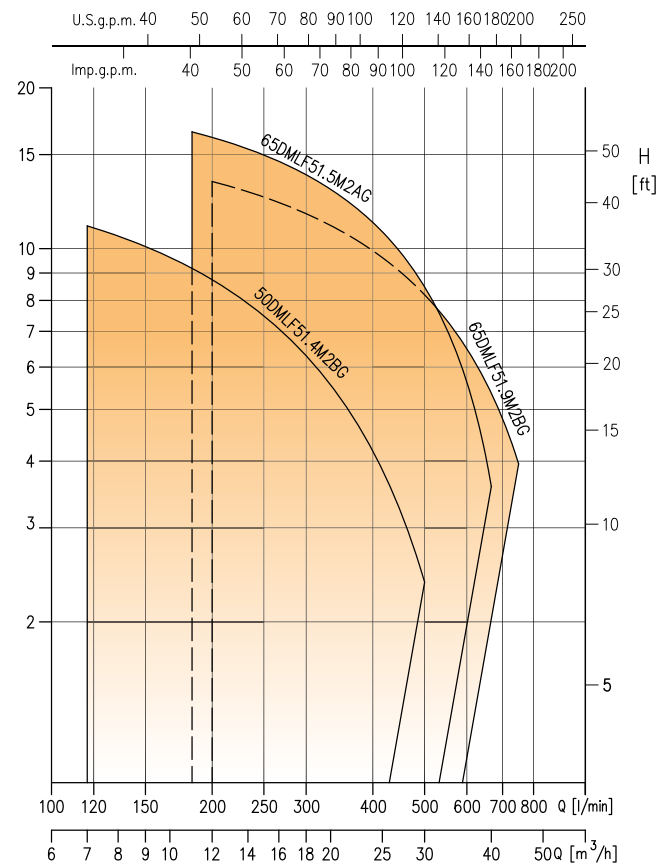
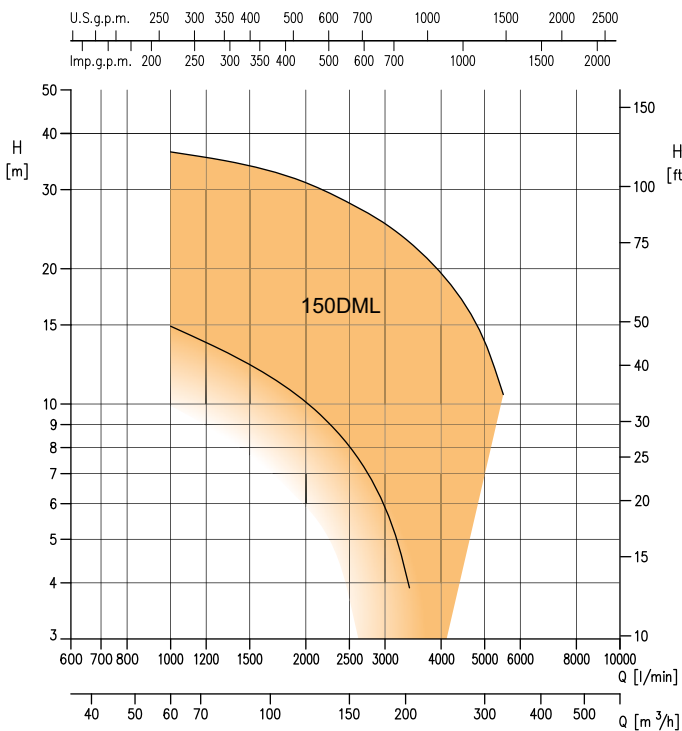
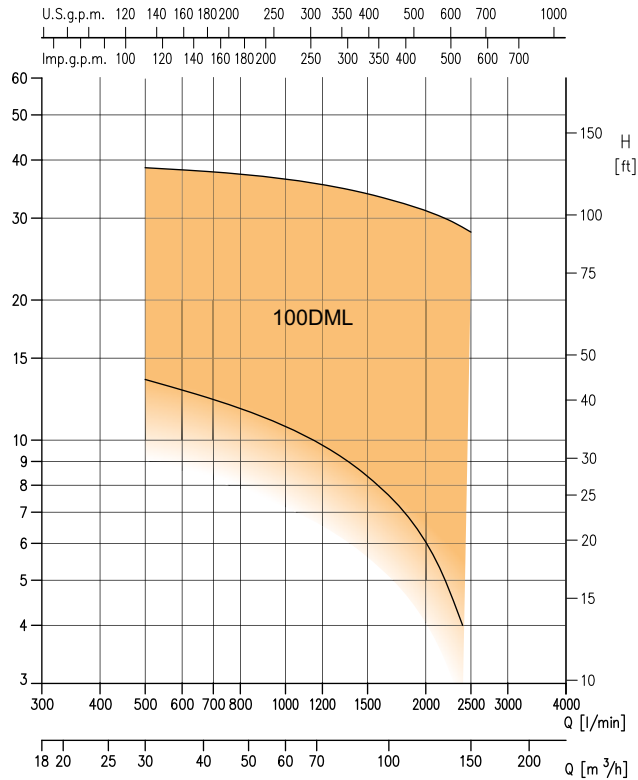
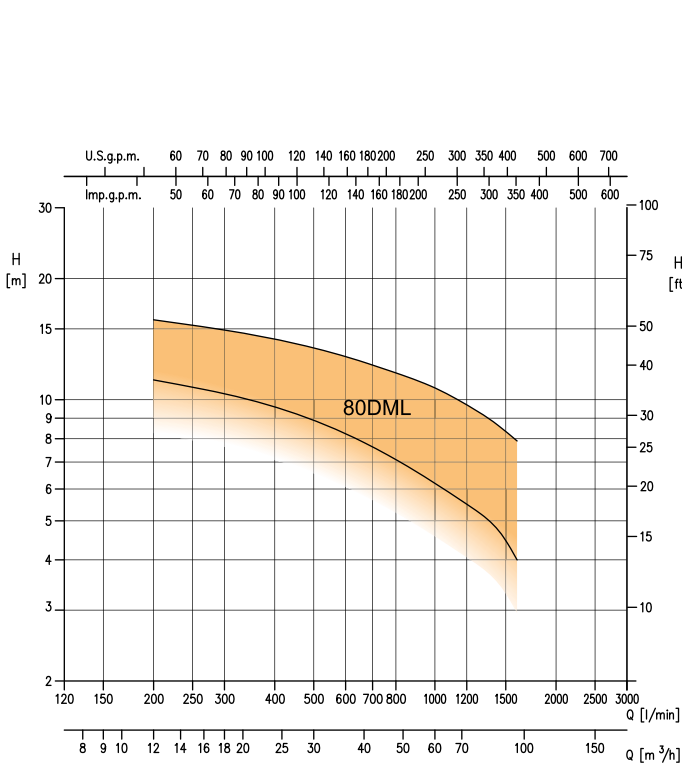
Various accessories

Pag. 387 - **DMLF-DMLVF-DSF-DRD-DRS Accessories**

- QDC - Quick discharge connection
- Elbow for discharge
- Tripod
- Threaded flange

DML - DMLF

Submersible electric pumps with single channel impeller



DML - DMLF

DML - DMLF



Submersible electric pumps with single channel impeller

80DML Selection table

Model	HP	kW	Q=Flow rate								
			l/min	200	400	600	800	1000	1200	1400	1600
			m ³ /h	12	24	36	48	60	72	84	96
H=Total head [m]											
80DML52,2	3	2,2		11,2	9,6	8,2	7,1	6,2	5,5	4,9	4
80DML53,7	5	3,7		15,8	14,2	12,8	11,7	10,7	9,7	8,8	7,9

100DML Selection table

Model	HP	kW	Q=Flow rate								
			l/min	500	1000	1300	1600	1900	2200	2400	2500
			m ³ /h	30	60	78	96	114	132	144	150
H=Total head [m]											
100DML53,7	5	3,7		13,5	10,7	9,3	7,9	6,5	5,0	4,0	-
100DML55,5	7,5	5,5		17,9	14,9	13,4	11,9	10,6	9,3	8,5	-
100DML57,5	10	7,5		20,6	18,0	16,7	15,5	14,2	13,0	12,1	-
100DML511	15	11		27,5	25,2	23,7	22,2	20,7	19,1	18,0	17,5
100DML515	20	15		33,5	31,3	29,8	28,3	26,7	25,1	24,0	23,4
100DML522	30	22		38,5	36,4	34,9	33,3	31,7	30,0	28,7	28,0

150DML Selection table

Model	HP	kW	Q=Flow rate									
			l/min	1000	2000	2500	3000	3400	4000	4500	5000	5500
			m ³ /h	60	120	150	180	204	240	270	300	330
H=Total head [m]												
150DML55,5	7,5	5,5		14,9	10,1	8,0	5,9	3,9	-	-	-	-
150DML57,5	10	7,5		18,0	13,7	11,6	9,5	7,5	4,0	-	-	-
150DML511	15	11		25,2	20,2	17,5	14,7	12,2	8,6	5,4	-	-
150DML515	20	15		31,3	26,1	23,4	20,6	18,2	14,8	11,9	8,6	-
150DML522	30	22		36,4	31,1	28,0	25,2	22,9	19,5	16,8	13,8	10,5

50-65DMLF Selection table

Model	HP	kW	Q=Flow rate										
			l/min	117	183	200	300	350	400	500	600	667	750
			m ³ /h	7	11	12	18	21	24	30	36	40	45
H=Total head [m]													
50DMLF51.4M2BG	1,5	1,4		11,0	9,2	8,7	6,3	5,2	4,2	2,4	-	-	-
65DMLF51.5M2AG	1,5	1,5		-	16,5	16,2	13,7	12,5	11,2	8,5	5,6	3,6	-
65DMLF51.9M2BG	2,5	1,9		-	-	13,4	11,6	10,8	9,9	8,2	6,5	5,4	4

DML - DMLF



Submersible electric pumps with single channel impeller

Three phase 400V

Model	Code	HP	kW	rpm	Abs. Curr. [A] 400V	Passage [mm]	DNM	Weight [kg]
80DML52,2	2090100004A	3	2,2	1450	5,2	76	80	80,0
80DML53,7*	2090120004A	5	3,7	1450	8,4	76	80	87,0
100DML53,7*	2090120104A	5	3,7	1450	8,4	76	100	89,0
100DML55,5*	2090130004A	7,5	5,5	1450	12,6	76	100	121,0
100DML57,5*	2090140004A	10	7,5	1450	16,9	76	100	125,0
100DML511*	2090160004A	15	11	1450	23,8	76	100	160,0
100DML515*	2090170004A	20	15	1450	31	76	100	166,0
100DML522*	2090190004A	30	22	1450	42	76	100	226,0
150DML55,5*	2090130104A	7,5	5,5	1450	12,6	76	150	127,0
150DML57,5*	2090140104A	10	7,5	1450	16,9	76	150	132,0
150DML511*	2090160104A	15	11	1450	23,8	76	150	166,0
150DML515*	2090170104A	20	15	1450	31	76	150	172,0
150DML522*	2090190104A	30	22	1450	42	76	150	232,0

* Three phase 400/690V - SD start, for the rest of the range DOL start

Single phase 230V

Model	Code	HP	kW	rpm	Abs. Curr. [A] 230V	Passage [mm]	DNM	Weight [kg]
50DMLF51.4M2BG *	1875000188	1,9	1,4	2850	8,4	30	50	31,0
65DMLF51.5M2AG *	1875000191	2	1,5	2850	9	30	65	42,0
65DMLF51.9M2BG *	1875000193	2,5	1,9	2850	11,4	40	65	45,0

* Required flange or elbow in case of movable installation

DMLV - DMLVF



Submersible electric pumps with vortex impeller

Submersible electric pumps fitted with Type Vortex impeller, pump body and cast iron elbow.

The type of impeller, combined with the anti - vortex system in the oil chamber (for DMLV), makes them ideal for use with sewage and with especially heavy-duty uses such as civil and industrial waste water or liquids containing solid and filamentous suspended substances.



Possibility to use in fixed and mobile installations



Vortex impeller

Technical data

Max. immersion 7 m

Max. temperature of the liquid 40°C

Maximum length of fibres
400 mm (80DMLV)
500 mm (100DMLV)

Max. solids passage
80÷100 mm (DMLV)
30÷80 mm (DMLVF)

Poles 2, 4, 6

Insulation class
F (DMLV)
H (DMLVF)

Protection degree IP68

Three phase 380-415V -10 +6% (DMLV 2,2 kW) - DOL
Three phase 380-415V ±10% (DMLV 3,7÷22 kW) - Y/
Single phase 230V ±10% (DMLVF)
Three phase 400/690V ±10% (DMLVF)

Voltage

Materials

Pump body Cast iron

Impeller Cast iron

Shaft
AISI 403 (DML)
AISI 420B (DMLF)

Mechanical seal
Impeller side: SiC/SiC/NBR
Motor side: Carbon/Ceramic/NBR

Accessories



Quick discharge connection

Pag. 386 - **Quick discharge connection (QDC)**
For DS, DVS, DML, DMLV, DL-DL W/C (with cutter)



Adaptors

Pag. 386 - **Lowering slide kit 2 DN50 guide pipes**
Adaptor for the use of lowering slide kit (QDC)
Pag. 386 - **Flange adaptor**
(Steel C40) JIS/DIN (DS, DVS, DL-DL W/C, DML, DMLV)
Pag. 386 - **Hook guide**
Adaptor (guide pipe) and flange for adaptor

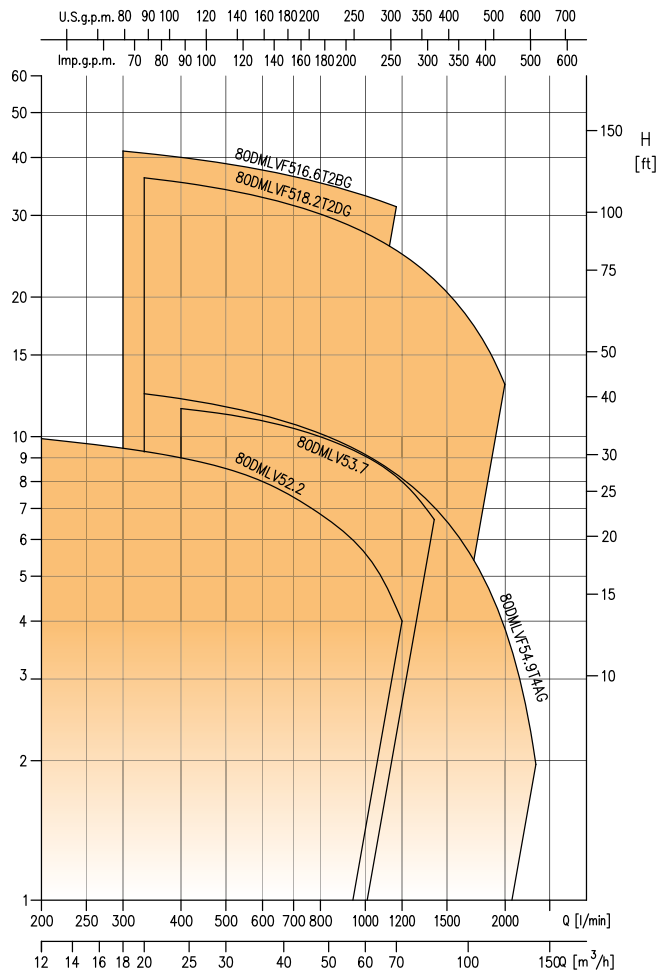
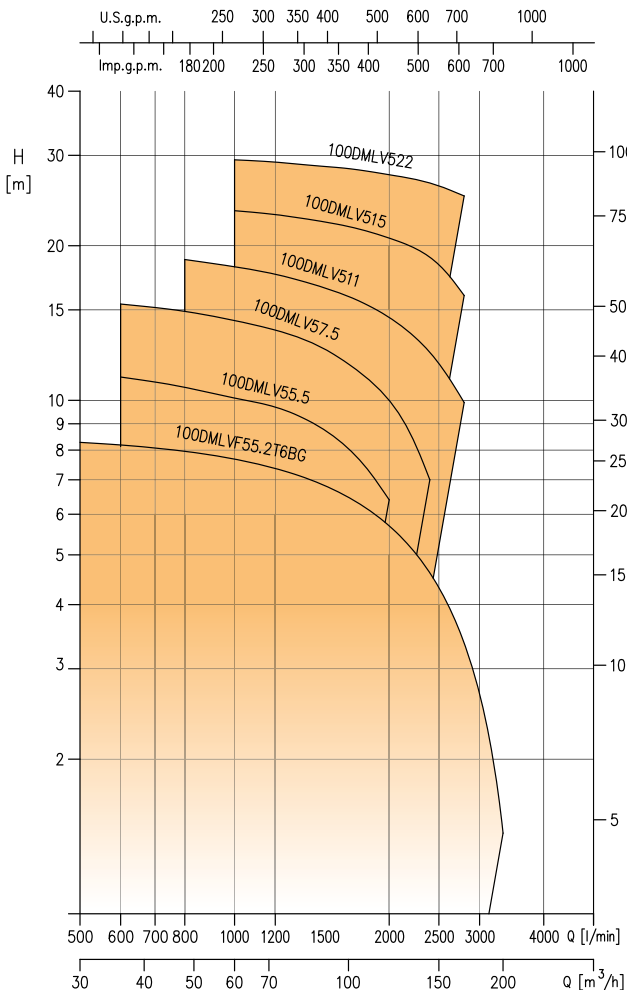
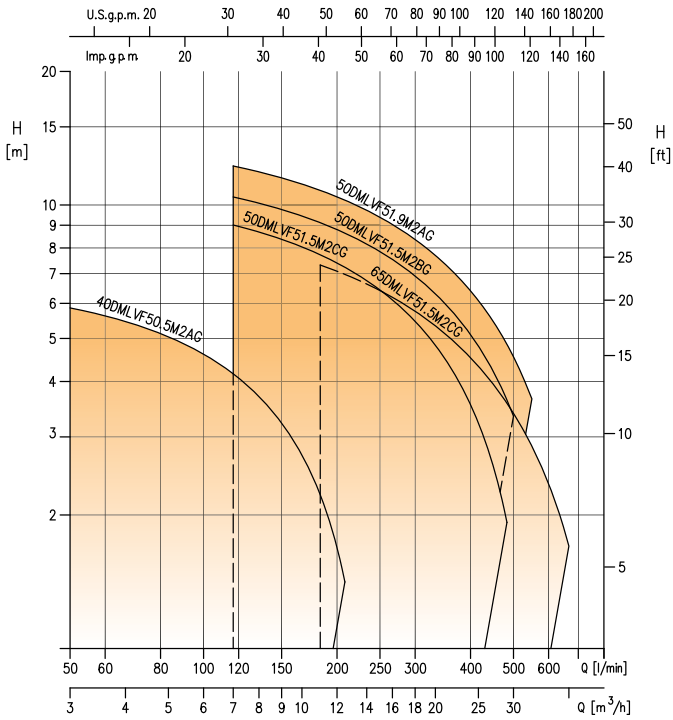


Various accessories

Pag. 387 - **DMLF-DMLVF-DSF-DRD-DRS Accessories**
- QDC - Quick discharge connection
- Elbow for discharge
- Tripod
- Threaded flange

DMLV - DMLVF

Submersible electric pumps with vortex impeller



DMLV - DMLVF

DMLV - DMLVF



Submersible electric pumps with vortex impeller

40-50-65DMLVF Selection table

Model	HP	kW	Q=Flow rate													
			l/min	50	117	183	208	250	300	350	400	483	500	550	667	
			m ³ /h	3	7	11	12,5	15	18	21	24	29	30	33	40	
H=Total head [m]																
40DMLVF50.5M2AG	0,7	0,5		5,9	4,2	2,2	1,4	-	-	-	-	-	-	-	-	-
50DMLVF51.5M2CG	2	1,5		-	9	7,7	7,2	6,4	5,5	4,5	3,5	1,9	-	-	-	-
50DMLVF51.5M2BG	2	1,5		-	10,4	9,1	8,6	7,8	6,9	6,0	5,1	3,6	3,4	-	-	-
50DMLVF51.9M2AG	2,5	1,9		-	12,2	10,8	10,3	9,4	8,4	7,4	6,4	4,8	4,5	3,7	-	-
65DMLVF51.5M2CG	2	1,5		-	-	7,3	7,0	6,4	5,8	5,1	4,5	3,6	3,4	2,9	1,7	-

80DMLV-80DMLVF Selection table

Model	HP	kW	Q=Flow rate													
			l/min	200	300	333	400	600	900	1167	1200	1320	1400	2000	2100	2333
			m ³ /h	12	18	20	24	36	54	70	72	79	84	120	126	140
H=Total head [m]																
80DMLV52.2	3	2,2		9,9	9,5	9,3	9,0	8	6,4	4,1	4	-	-	-	-	-
80DMLV53.7	5	3,7		-	-	-	11,5	10,7	9,4	9,1	7,9	7,2	6,4	-	-	-
80DMLVF54.9T4AG	6,6	4,9		-	-	12,4	12,1	11,1	9,6	8,3	8,1	7,5	7,1	3,8	3	2
80DMLVF516.6T2BG	22,3	16,6		-	41,3	40,9	40,0	37,6	34,2	31,3	-	-	-	-	-	-
80DMLVF518.2T2DG	24,4	18,2		-	-	36,2	35,4	32,8	28,9	25,2	24,8	23,1	21,9	13,0	-	-

100DMLV-100DMLVF Selection table

Model	HP	kW	Q=Flow rate											
			l/min	500	600	800	1000	1200	1700	2000	2400	2800	3333	
			m ³ /h	30	36	48	60	72	102	120	144	168	200	
H=Total head [m]														
100DMLVF55.2T6BG	7	5,2		8,3	8,2	8	7,7	7,4	6,4	5,7	4,6	3,4	1,4	-
100DMLV5.5	7,5	5,5		-	11,1	10,6	10,1	9,7	7,9	6,4	-	-	-	-
100DMLV57.5	10	7,5		-	15,4	14,9	14,3	13,7	11,6	10	7	-	-	-
100DMLV511	15	11		-	-	18,8	18,2	17,6	15,8	14,5	12,4	9,9	-	-
100DMLV515	20	15		-	-	-	23,4	23	21,7	20,7	19	16	-	-
100DMLV522	30	22		-	-	-	29,4	29,1	28,2	27,5	26,5	25	-	-

DMLV - DMLVF



Submersible electric pumps with vortex impeller

Three phase 400V

Model	Code	HP	kW	rpm	Abs. Curr. [A] 400V	Passage [mm]	DNM	Weight [kg]
80DMLV52.2 *	2090101004	3	2,2	1450	5,2	80	80	70,0
80DMLV53.7	2090121004	5	3,7	1450	8,4	80	80	80,0
100DMLV55,5	2090131004	7,5	5,5	1450	12,6	100	100	105,0
100DMLV57,5	2090141004	10	7,5	1450	16,9	100	100	120,0
100DMLV511	2090161004	15	11	1450	23,8	100	100	150,0
100DMLV515L	2090171004	20	15	1450	31	100	100	180,0
100DMLV522	2090191004	30	22	1450	42	100	100	235,0

* Three phase 400/690V - SD start, for the rest of the range DOL start

Single phase 230V

Model	Code	HP	kW	rpm	Abs. Curr. [A] 230V	Passage [mm]	DNM	Weight [kg]
40DMLVF50.5M2AG *	1875000130	0,7	0,5	2850	3,2	30	32	14,0
50DMLVF51.5M2CG *	1875000137	2	1,5	2850	9	50	50	43,0
50DMLVF51.5M2BG *	1875000136	2	1,5	2850	9	50	50	43,0
50DMLVF51.9M2AG *	1875000135	2,5	1,9	2850	11,4	50	50	43,0
65DMLVF51.5M2CG *	1875000140	2	1,5	2850	9	65	65	44,0

Three phase 400/690V

Model	Code	HP	kW	rpm	Abs. Curr. [A] 400/690V	Passage [mm]	DNM	Weight [kg]
80DMLVF54.9T4AG *	1875000177	6,6	4,9	1401	9,9	64	80	79,0
80DMLVF516.6T2BG *	1875000152	22,3	16,6	2881	29,8	40x50	80	191,0
80DMLVF518.2T2DG *	1875000153	24,4	18,2	2891	32,6	80	80	192,0
100DMLVF55.2T6BG *	1875000182	7	5,2	941	10,4	80	100	170,0

* Required flange or elbow in case of movable installation

DL



Submersible sewage electric pumps

Cast iron submersible electric pumps, possibility to choose between different types of impeller such as: open single-channel with cutting action, open twin or semi-open non-clogging designed to prevent clogging of the pump itself. Suitable for sewage with solid and fibrous bodies available in a wide power range (up to 45 kW) and with different inlet diameters.



Possibility to use in fixed and mobile installations



Impeller two-channel open



Impeller single channel open with cutting action



Non-clogging semi-open impeller

Technical data

Max. immersion 7 m

Max. temperature of the liquid 40°C

Maximum length of fibres
 195 (65DL)
 240 (80DL, all DLC)
 300 (100DL, 100DLB)
 400 (150DL up to 22kW)
 500 (200DL up to 22kW)
 500 (all 30÷44 kW)
 550 (250DL up to 22kW)
 600 (300DL up to 22kW)

Max. solids passage
 35 (65DL)
 50 (80DL, all DLC)
 60 (100DL, 100DLB)
 70 (150DL up to 22kW)
 76 (200DL up to 22kW)
 76 (all 30÷44 kW)
 82 (250DL up to 22kW)
 90 (300DL up to 22kW)

Poles 4

Insulation class F

Protection degree IP68

Voltage
 Three phase 380-415±10% (1,5÷7,5kW)
 Three phase 400-415±10% (Δ start 11÷22kW)
 Three phase 380-415±10% (Δ start 30÷45kW)

Materials

Pump body Cast iron

Impeller Cast iron

Shaft AISI 403

Mechanical seal
 Impeller side: SiC/SiC/NBR
 Motor side: Carbon/Ceramic/NBR

Accessories



Quick discharge connection

Pag. 386 - **Quick discharge connection (QDC)**
 For DS, DVS, DML, DMLV, DL-DL W/C (with cutter)



Adaptors

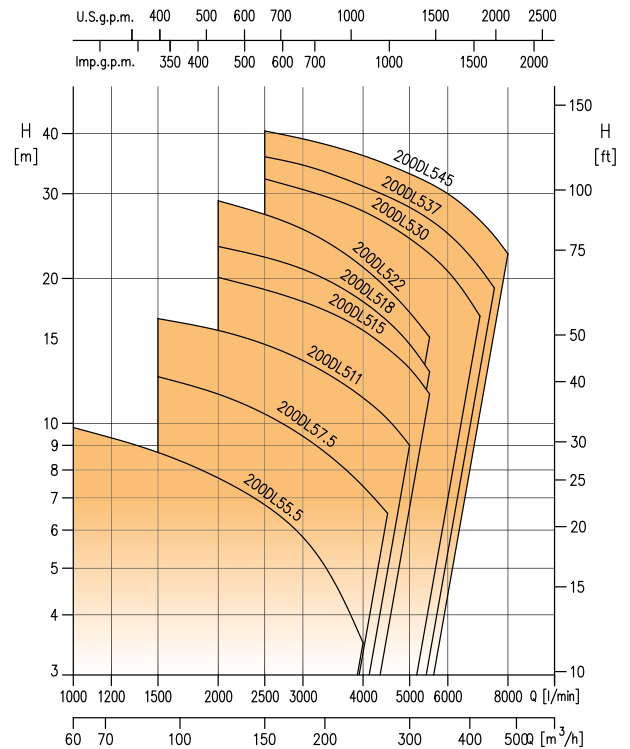
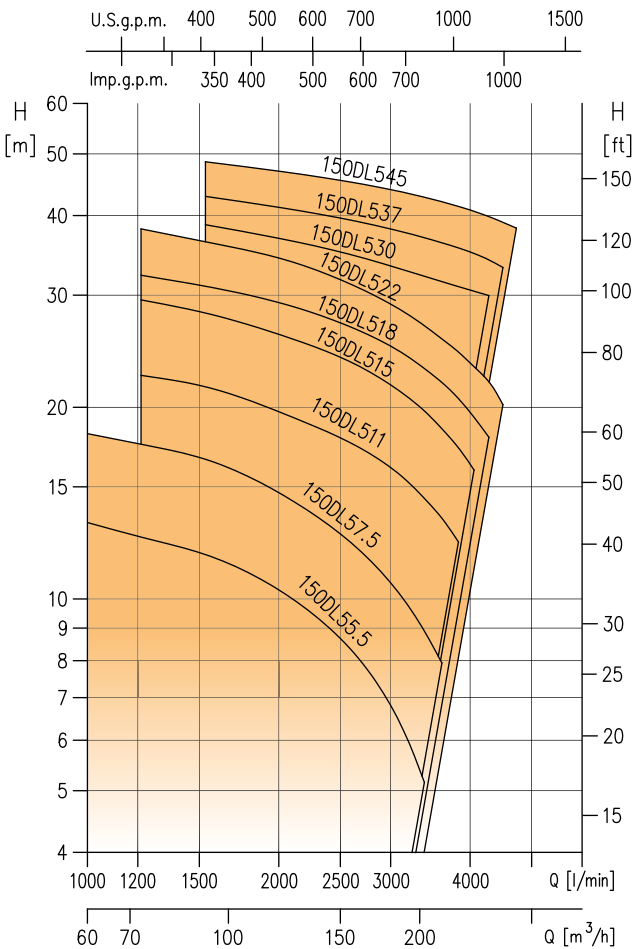
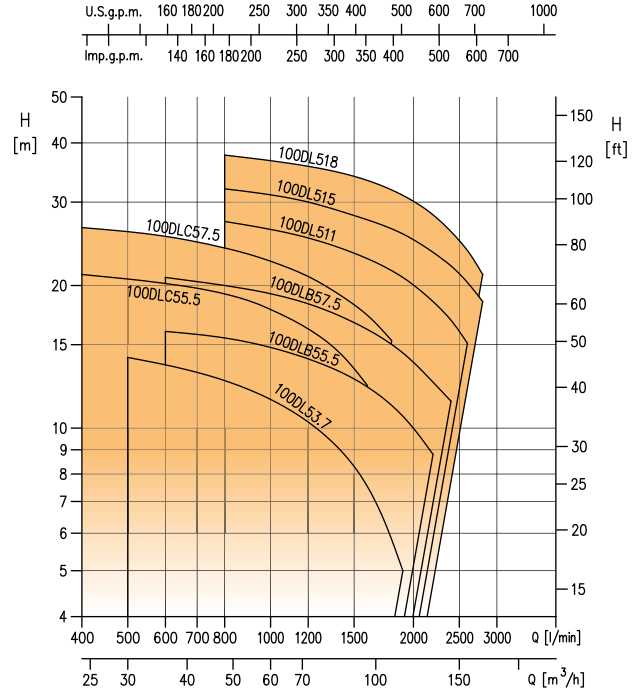
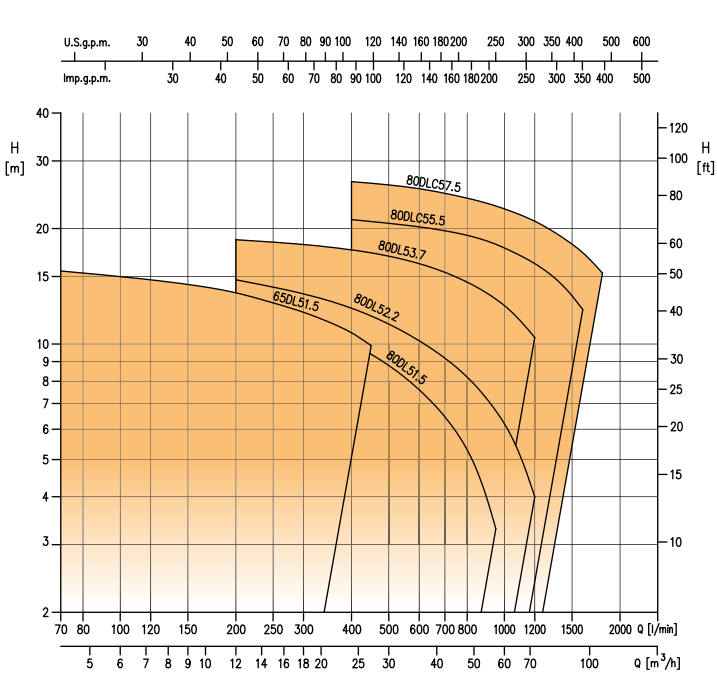
Pag. 386 - **Lowering slide kit 2 DN50 guide pipes**
 Adaptor for the use of lowering slide kit (QDC)

Pag. 386 - **Flange adaptor**
 (Steel C40) JIS/DIN (DS, DVS, DL-DL W/C, DML, DMLV)

Pag. 386 - **Hook guide**
 Adaptor (guide pipe) and flange for adaptor

DL

Submersible sewage electric pumps

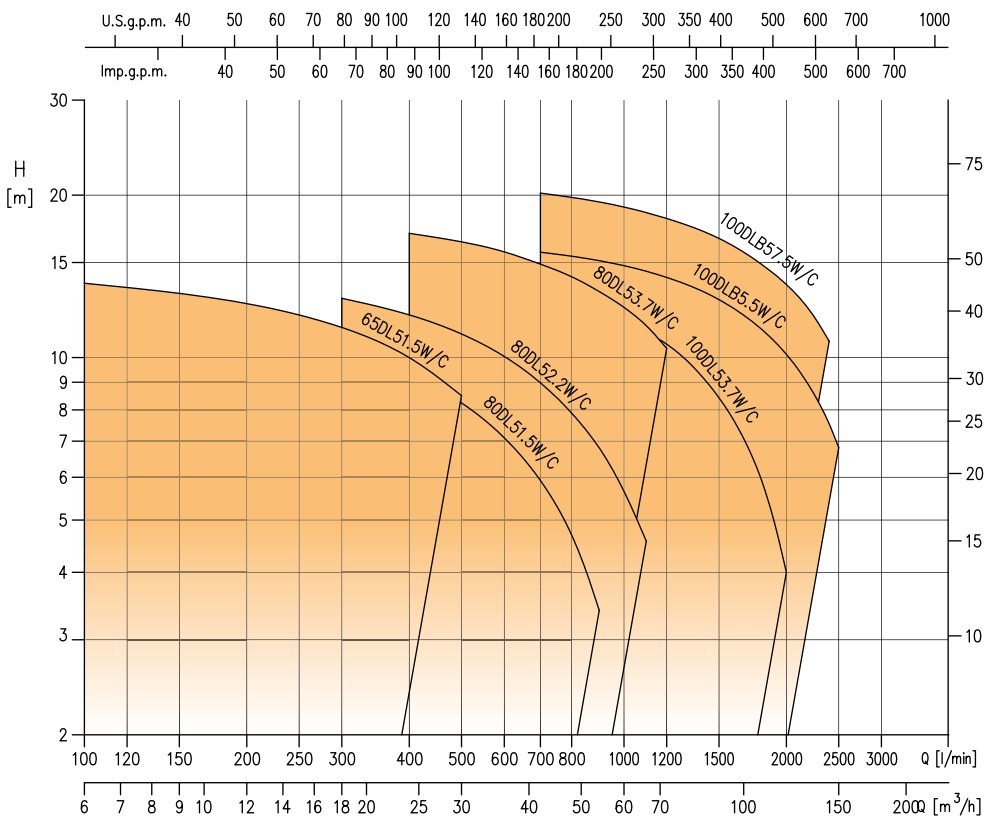
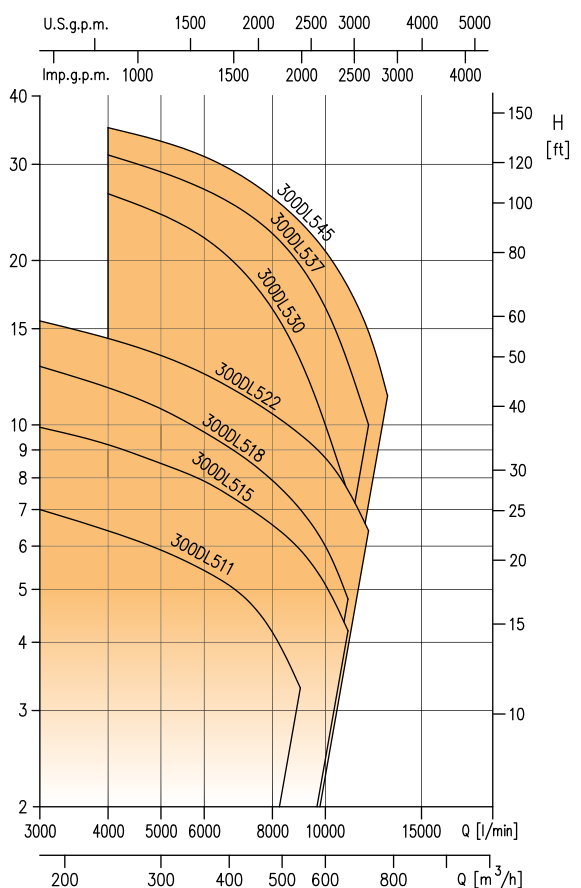
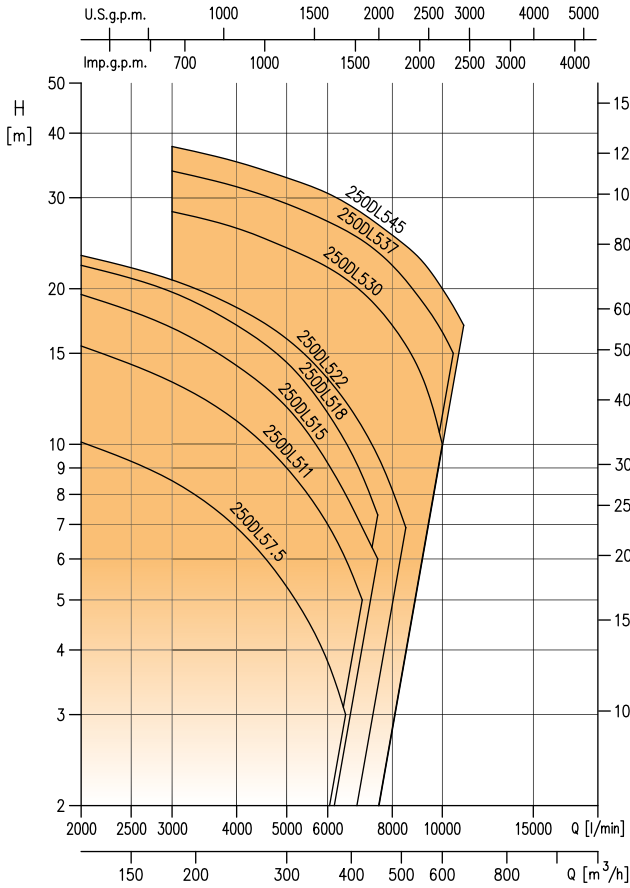


DL

DL



Submersible sewage electric pumps



DL

DL



Submersible sewage electric pumps

65-80DL Selection table

Model	HP	kW	Q=Flow rate														
			l/min	70	150	200	400	450	600	800	950	1000	1200	1400	1600	1800	
			m ³ /h	4	9	12	24	27	36	48	57	60	72	84	96	108	
			H=Total head [m]														
65DL51,5	2	1,5		15,5	14,3	13,6	10,7	9,9	-	-	-	-	-	-	-	-	-
80DL51,5	2	1,5		-	-	12,2	10,0	9,4	7,6	5,3	3,3	-	-	-	-	-	-
80DL52,2	3	2,2		-	-	14,7	12,4	11,8	10,2	8,2	6,7	6,2	4,0	-	-	-	-
80DL53,7	5	3,7		-	-	18,7	17,6	17,3	16,2	14,5	13,1	12,6	10,4	-	-	-	-
80DLC55,5	7,5	5,5		-	-	-	21,1	20,9	20,2	19,2	18,2	17,8	16,2	14,4	12,3	-	-
80DLC57,5	10	7,5		-	-	-	26,5	26,3	25,4	24,0	22,9	22,5	20,9	19,1	17,3	15,3	-

100DL Selection table

Model	HP	kW	Q=Flow rate														
			l/min	400	500	600	800	1200	1500	1600	1800	1900	2200	2400	2600	2800	
			m ³ /h	24	30	36	48	72	90	96	108	114	132	144	156	168	
			H=Total head [m]														
100DLC55,5	7,5	5,5		21,1	20,7	20,2	19,2	16,2	13,3	12,3	-	-	-	-	-	-	-
100DLC57,5	10	7,5		26,5	25,9	25,4	24,0	20,9	18,3	17,3	15,3	-	-	-	-	-	-
100DL53,7	5	3,7		-	14,1	13,6	12,6	10,3	8,3	7,5	5,9	5,0	-	-	-	-	-
100DLB55,5	7,5	5,5		-	-	16,0	15,5	14,0	12,7	12,2	11,1	10,6	8,8	-	-	-	-
100DLB57,5	10	7,5		-	-	20,8	20,0	18,3	16,7	16,1	15,1	15,0	12,5	11,4	-	-	-
100DL511	15	11		-	-	-	27,3	25,2	23,4	22,8	21,5	20,8	18,5	16,9	15,1	-	-
100DL515	20	15		-	-	-	32,0	30,0	28,1	27,6	26,4	25,7	23,5	22,0	20,3	18,5	-
100DL518,5	25	18,5		-	-	-	37,7	35,7	34,0	33,4	31,9	31,0	28,2	26,0	23,7	21,1	-

150DL Selection table

Model	HP	kW	Q=Flow rate														
			l/min	1000	1200	1500	2000	2500	3000	3200	3400	3500	3600	3800	4000	4200	4400
			m ³ /h	60	72	90	120	150	180	192	204	210	216	228	240	252	264
			H=Total head [m]														
150DL55,5	7,5	5,5		12,5	11,9	11,2	9,7	8,0	6,0	5,1	-	-	-	-	-	-	-
150DL57,5	10	7,5		17,0	16,4	15,2	13,6	11,6	9,5	8,6	7,7	-	-	-	-	-	-
150DL511	15	11		-	20,8	20,0	18,1	16,4	14,5	13,6	12,7	12,2	11,7	-	-	-	-
150DL515	20	15		-	27,0	25,8	23,7	21,7	19,4	18,4	17,3	16,8	16,2	15,0	-	-	-
150DL518,5	25	18,5		-	29,4	28,3	26,5	24,5	22,3	21,3	20,3	19,8	19,2	18,0	16,8	-	-
150DL522	30	22		-	34,5	33,0	30,9	28,4	25,8	24,7	23,6	23,0	22,4	21,2	20,5	18,8	-
150DL530	40	30		-	-	35,0	33,2	31,5	29,9	29,3	28,8	28,5	28,3	27,8	27,4	-	-
150DL537	50	37		-	-	38,6	37,0	35,5	34,1	33,5	32,9	32,6	32,3	31,7	31,0	30,2	-
150DL545	60	45		-	-	43,5	42,0	40,5	39,1	38,5	37,9	37,6	37,3	36,7	36,0	35,3	34,6

DL



Submersible sewage electric pumps

250DL Selection table

Model	HP	kW	Q=Flow rate														
			l/min	2000	3000	4000	5000	6000	6500	7000	7500	8000	8500	9000	10000	10500	11000
			m ³ /h	120	180	240	300	360	390	420	450	480	510	540	600	630	660
			H=Total head [m]														
250DL57.5	10	7,5		10,1	8,5	6,9	5,3	3,8	3,0	-	-	-	-	-	-	-	-
250DL511	15	11		15,5	13,2	11,1	9,0	7,0	6,0	5,0	-	-	-	-	-	-	-
250DL515	20	15		19,5	16,8	14,2	11,8	9,2	8,0	6,9	6,0	-	-	-	-	-	-
250DL518.5	25	18,5		22,2	19,7	17,0	14,4	11,5	10,1	8,7	7,3	-	-	-	-	-	-
250DL522	30	22		23,2	20,8	18,4	16,0	13,4	12,1	10,8	9,5	8,2	6,9	-	-	-	-
250DL530	40	30		-	28,2	26,2	24,0	22,0	20,9	19,7	18,4	17,0	15,6	14,0	10,0	-	-
250DL537	50	37		-	33,8	31,5	29,2	27,0	25,9	24,8	23,5	22,2	20,8	19,3	16,5	15,0	-
250DL545	60	45		-	37,7	35,2	32,8	30,6	29,3	28,0	26,7	25,4	24,2	23,0	20,0	18,5	17,0

300DL Selection table

Model	HP	kW	Q=Flow rate											
			l/min	3000	4000	5000	6000	7000	8000	9000	10000	11000	12000	13000
			m ³ /h	180	240	300	360	420	480	540	600	660	720	780
			H=Total head [m]											
300DL511	15	11		7,0	6,4	5,9	5,5	4,9	4,2	3,3	-	-	-	-
300DL515	20	15		9,9	9,2	8,5	8,0	7,2	6,6	5,9	5,1	4,2	-	-
300DL518.5	25	18,5		12,8	11,7	10,7	9,7	8,8	7,9	7,0	6,0	4,8	-	-
300DL522	30	22		15,5	14,4	13,4	12,4	11,4	10,5	9,6	8,7	7,6	6,4	-
300DL530	40	30		-	26,5	24,4	22,0	19,3	16,3	13,1	10,0	7,5	-	-
300DL537	50	37		-	31,2	29,2	27,0	24,8	22,4	19,6	16,4	13,0	10,0	-
300DL545	60	45		-	35,0	33,1	31,0	28,6	26,1	23,5	20,8	17,9	14,8	11,3

DL



Submersible sewage electric pumps

Three phase 380-400-415V

Model	Code	HP	kW	rpm	Abs. Curr. [A]			Passage [mm]	DNM	Weight [kg]
					380V	400V	415V			
65DL51,5	1545500000	2	1,5	1450	1,5	3,9	4,1	46	65	52,0
80DL51,5	1545500001	2	1,5	1450	1,5	3,9	4,1	46	80	55,0
80DL52,2	1545500002	3	2,2	1450	2,2	5,2	5,2	46	80	67,0
80DL53,7	1545500003	5	3,7	1450	3,7	8,3	7,6	46	80	75,0
80DLC55,5	1545500004	7,5	5,5	1450	5,5	11,3	10,7	46	80	134,0
80DLC57,5	1545500005	10	7,5	1450	7,5	15,5	14,8	46	80	148,0
100DLC55,5	1545500006	7,5	5,5	1450	5,5	11,3	10,7	46	100	134,0
100DLC57,5	1545500007	10	7,5	1450	7,5	15,5	14,8	46	100	148,0
100DL53,7	1545500008	5	3,7	1450	3,7	8,3	7,6	57	100	79,0
100DLB55,5	1545500009	7,5	5,5	1450	5,5	11,3	10,7	57	100	123,0
100DLB57,5	1545500010	10	7,5	1450	7,5	15,5	14,8	57	100	141,0
100DL511	1545500011	15	11	1450	11	21,5	21	57	100	180,0
100DL515	1545500012	20	15	1450	15	28,5	27	57	100	230,0
100DL518,5	1545500013	25	18,5	1450	18,5	35	34	57	100	285,0
150DL55,5	1545500014	7,5	5,5	1450	5,5	11,3	10,7	68	150	146,0
150DL57,5	1545500015	10	7,5	1450	7,5	15,5	14,8	68	150	158,0
150DL511	1545500016	15	11	1450	11	21,5	21	68	150	199,0
150DL515	1545500017	20	15	1450	15	28,5	27	68	150	237,0
150DL518,5	1545500018	25	18,5	1450	18,5	35	34	68	150	300,0
150DL522	1545500019	30	22	1450	22	42	40	68	150	325,0
150DL530	1545500122	40	30	1450	30	58	58,5	76	150	350,0
150DL537	1545500123	50	37	1450	37	72,5	73,5	76	150	350,0
150DL545	1545500124	60	45	1450	45	87,5	88,5	76	150	350,0
200DL55,5	1545500020	7,5	5,5	1450	5,5	11,3	10,7	73	200	160,0
200DL57,5	1545500021	10	7,5	1450	7,5	15,5	14,8	73	200	176,0
200DL511	1545500022	15	11	1450	11	21,5	21	73	200	212,0
200DL515	1545500023	20	15	1450	15	28,5	27	73	200	260,0
200DL518,5	1545500024	25	18,5	1450	18,5	35	34	73	200	305,0
200DL522	1545500025	30	22	1450	22	42	40	73	200	330,0
200DL530	1545500125	40	30	1450	30	58	58,5	76	200	350,0
200DL537	1545500126	50	37	1450	37	72,5	73,5	76	200	370,0
200DL545	1545500127	60	45	1450	45	87,5	88,5	76	200	370,0
250DL57,5	1545500026	10	7,5	1450	7,5	15,5	14,8	79	250	260,0
250DL511	1545500027	15	11	1450	11	21,5	21	79	250	320,0
250DL515	1545500028	20	15	1450	15	28,5	27	79	250	380,0
250DL518,5	1545500029	25	18,5	1450	18,5	35	34	79	250	420,0
250DL522	1545500030	30	22	1450	22	42	40	79	250	440,0
250DL530	1545500128	40	30	1450	30	58	58,5	76	250	458,0
250DL537	1545500129	50	37	1450	37	72,5	73,5	76	250	522,0
250DL545	1545500130	60	45	1450	45	87,5	88,5	76	250	540,0
300DL511	1545500031	15	11	1450	11	21,5	21	88	300	365,0
300DL515	1545500032	20	15	1450	15	28,5	27	88	300	395,0
300DL518,5	1545500033	25	18,5	1450	18,5	35	34	88	300	440,0
300DL522	1545500034	30	22	1450	22	42	40	88	300	465,0
300DL530	1545500131	40	30	1450	30	58	58,5	76	300	458,0
300DL537	1545500132	50	37	1450	37	72,5	73,5	76	300	522,0
300DL545	1545500133	60	45	1450	45	87,5	88,5	76	300	540,0

DOL start for models up to 7,5kW, SD start for models from 11kW and above

DL



Submersible sewage electric pumps

Three phase 380-400-415V

Model	Code	HP	kW	rpm	Abs. Curr. [A]			Passage [mm]	DNM	Weight [kg]
					380V	400V	415V			
150DL530 (*)	1545500134	40	30	1450	59	58	58,5	76	150	430,0
150DL537 (*)	1545500135	50	37	1450	72,5	72,5	73,5	76	150	430,0
150DL545 (*)	1545500136	60	45	1450	88	87,5	88,5	76	150	430,0
200DL530 (*)	1545500143	40	30	1450	59	58	58,5	76	200	430,0
200DL537 (*)	1545500144	50	37	1450	72,5	72,5	73,5	76	200	450,0
200DL545 (*)	1545500145	60	45	1450	88	87,5	88,5	76	200	450,0
250DL530 (**)	1545500140	40	30	1450	59	58	58,5	76	250	658,0
250DL537 (**)	1545500141	50	37	1450	72,5	72,5	73,5	76	250	722,0
250DL545 (**)	1545500142	60	45	1450	88	87,5	88,5	76	250	740,0
300DL530 (*)	1545500137	40	30	1450	59	58	58,5	76	300	658,0
300DL537 (*)	1545500138	50	37	1450	72,5	72,5	73,5	76	300	722,0
300DL545 (*)	1545500139	60	45	1450	88	87,5	88,5	76	300	740,0

DOL start for models up to 7,5kW, SD start for models from 11kW and above

(*) Pump supplied with QDC

(**) Pump supplied with QDC and reducer

DL W/C



Submersible sewage electric pumps with cutter

Cast iron submersible electric pumps with cutter, possibility to choose between different types of impeller such as: open single-channel with cutting action, open twin or semi-open non-clogging designed to prevent clogging of the pump itself. Suitable for sewage with solid and fibrous bodies available in a wide power range (up to 45 kW) and with different inlet diameters.



Possibility to use in fixed and mobile installations



Impeller two-channel open



Impeller single channel open with cutting action



Non-clogging semi-open impeller

Accessories



Quick discharge connection

Pag. 386 - **Quick discharge connection (QDC)**
For DS, DVS, DML, DMLV, DL-DL W/C (with cutter)



Adaptors

Pag. 386 - **Lowering slide kit 2 DN50 guide pipes**

Adaptor for the use of lowering slide kit (QDC)

Pag. 386 - **Flange adaptor**

(Steel C40) JIS/DIN (DS, DVS, DL-DL W/C, DML, DMLV)

Pag. 386 - **Hook guide**

Adaptor (guide pipe) and flange for adaptor

Technical data

Max. immersion	7 m
Max. temperature of the liquid	40°C
Maximum length of fibres	195 mm (65DLW/C) 240 mm (80DLW/C) 300 mm (100DLW/C)
Max. solids passage	35 mm (65DLW/C) 50 mm (80DLW/C) 60 mm (100DLB W/C)
Poles	4
Insulation class	F
Protection degree	IP68
Voltage	Three phase 380-415±10% (1,5÷7,5kW)

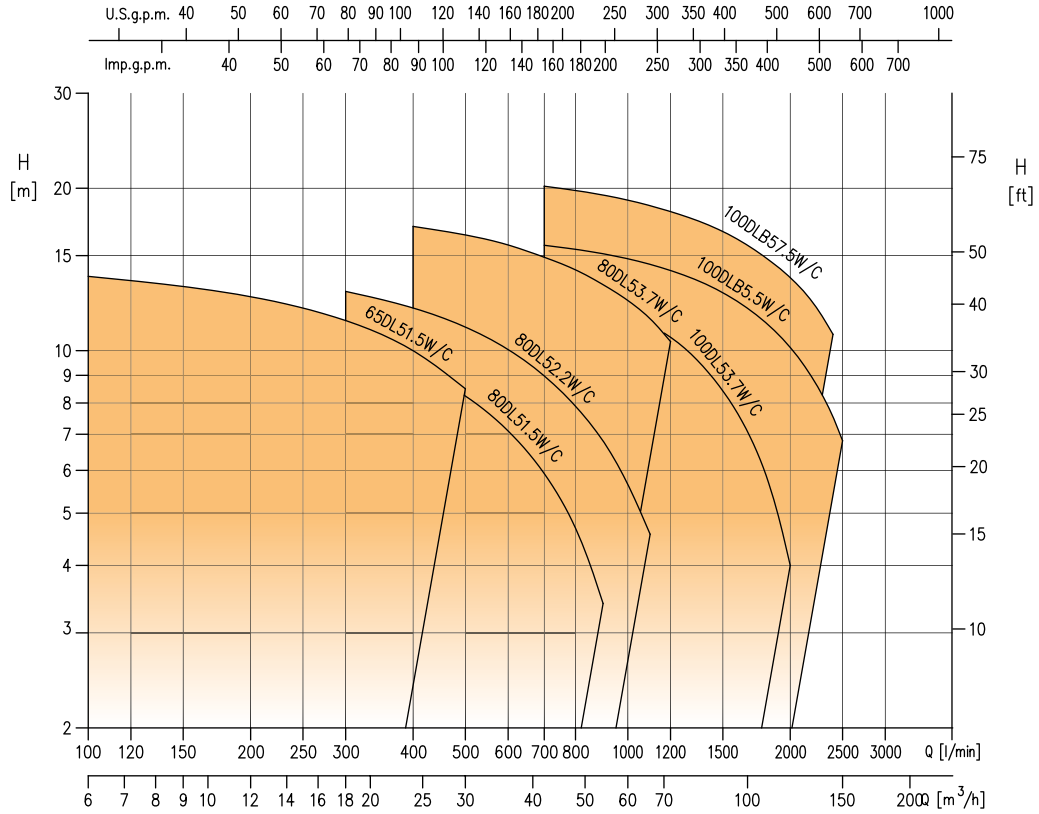
Materials

Pump body	Cast iron
Impeller	Cast iron
Shaft	AISI 403
Mechanical seal	Impeller side: SiC/SiC/NBR Motor side: Carbon/Ceramic/NBR

DL W/C



Submersible sewage electric pumps with cutter



DL W/C Selection table

Model	HP	kW	Q=Flow rate																
			l/min	100	250	300	400	500	700	900	1000	1100	1200	1400	1600	2000	2400	2500	
			m³/h	6	15	18	24	30	42	54	60	66	72	84	96	120	144	150	
			H=Total head [m]																
65DL51.5 W/C	2	1,5	13,7	12,0	11,4	10,0	8,5	-	-	-	-	-	-	-	-	-	-	-	
80DL51.5 W/C	2	1,5	-	10,7	10,3	9,3	8,2	5,9	3,4	-	-	-	-	-	-	-	-	-	
80DL52.2 W/C	3	2,2	-	-	12,9	12,0	11,1	9,0	6,8	5,7	4,6	-	-	-	-	-	-	-	
80DL53.7 W/C	5	3,7	-	-	-	17,0	16,4	14,9	13,4	12,6	11,6	10,4	-	-	-	-	-	-	
100DL53.7 W/C	5	3,7	-	-	-	-	14,1	13,1	12,2	11,7	11,2	10,6	9,2	7,6	4,0	-	-	-	
100DLB55.5 W/C	7,5	5,5	-	-	-	-	-	15,7	15,1	14,8	14,5	14,1	13,3	12,3	10,1	7,5	6,8	-	
100DLB57.5 W/C	10	7,5	-	-	-	-	-	20,2	19,4	19,0	18,6	18,1	17,2	16,1	13,7	10,7	-	-	

Three phase 380-400-415V

Model	Code	HP	kW	rpm	Abs. Curr. [A]			Passage [mm]	DNM	Weight [kg]
					380V	400V	415V			
65DL51.5 W/C	1545500047	2	1,5	1450	4,1	3,9	4,1	46	65	52
80DL51.5 W/C	1545500048	2	1,5	1450	4,1	3,9	4,1	46	80	55
80DL52.2 W/C	1545500049	3	2,2	1450	5,7	5,2	5,2	46	80	67
80DL53.7 W/C	1545500050	5	3,7	1450	8,4	8,3	7,6	46	80	75
100DL53.7 W/C	1545500051	5	3,7	1450	11,7	11,3	10,7	57	100	79
100DLB55.5 W/C	1545500052	7,5	5,5	1450	16,4	15,5	14,8	57	100	123
100DLB57.5 W/C	1545500053	10	7,5	1450	11,7	11,3	10,7	57	100	141

DRD



Submersible sewage electric pumps with multi-channel impeller

Submersible cast iron electric pumps with two-channel or three-channel impeller. Only available in the three-phase version they are suitable for use with foul waste water or water with solid contents in sewage systems, both civil and industrial, for the handling of liquids with filamentous substances or solid particles and the emptying of tanks.



Possibility to use in fixed and mobile installations



Multi-channel impeller

Materials

Pump body	Cast iron
Impeller	Cast iron
Shaft	AISI 420B
Mechanical seal	Impeller side: SiC/SiC/NBR Motor side: Carbon/Ceramic/NBR

Technical data

Max. immersion	20 m
Max. temperature of the liquid	40°C
Max. solids passage	30÷140mm
Poles	2, 4, 6, 8
Insulation class	H
Protection degree	IP68
Voltage	Three phase 400/690V ±10%

Accessories



Adaptors

Pag. 386 - **Lowering slide kit 2 DN50 guide pipes**

Adaptor for the use of lowering slide kit (QDC)

Pag. 386 - **Hook guide**

Adaptor (guide pipe) and flange for adaptor



Various accessories

Pag. 387 - **DMLF-DMLVF-DSF-DRD-DRS Accessories**

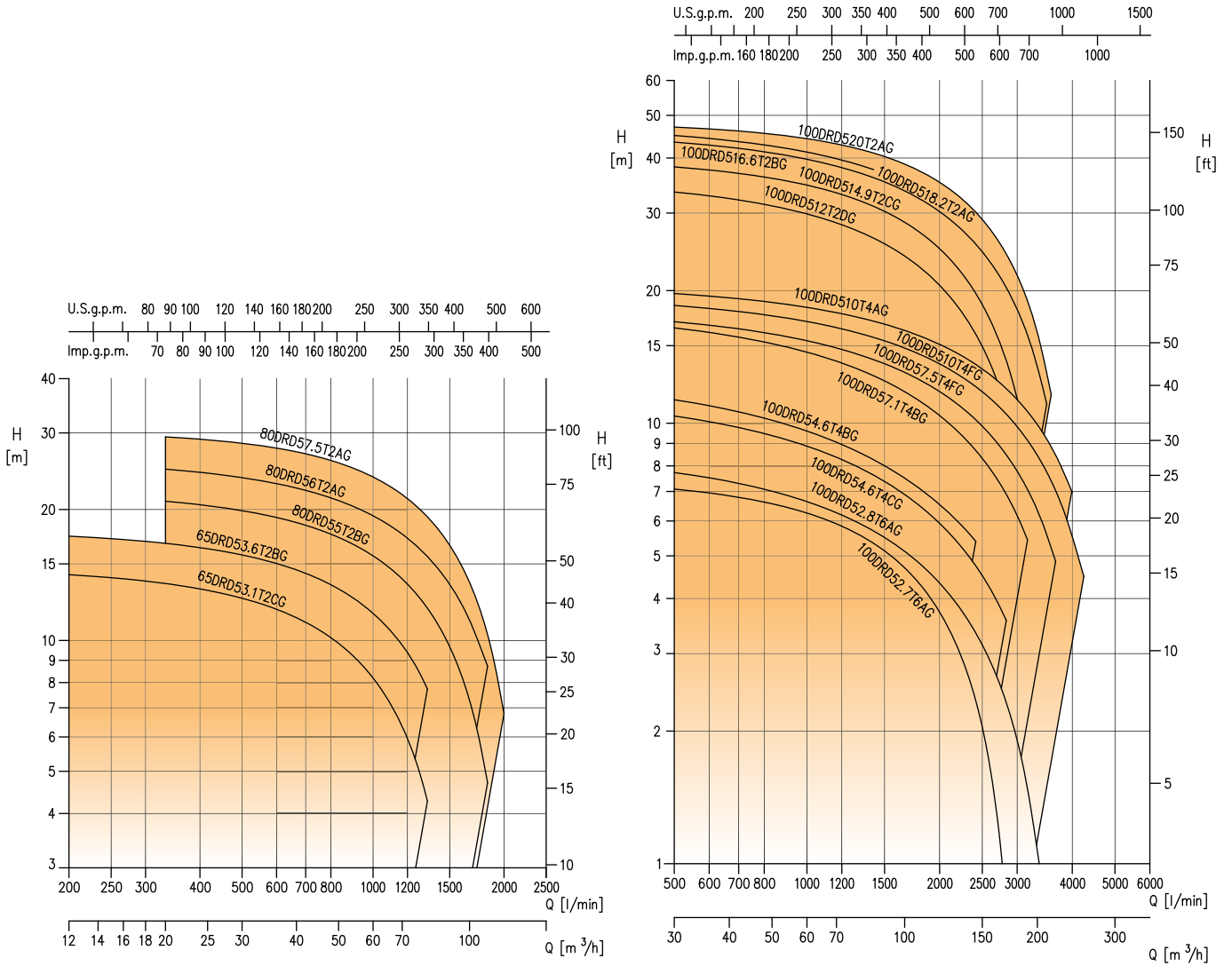
- QDC - Quick discharge connection
- Elbow for discharge
- Tripod
- Threaded flange

DRD



Submersible sewage electric pumps with multi-channel impeller

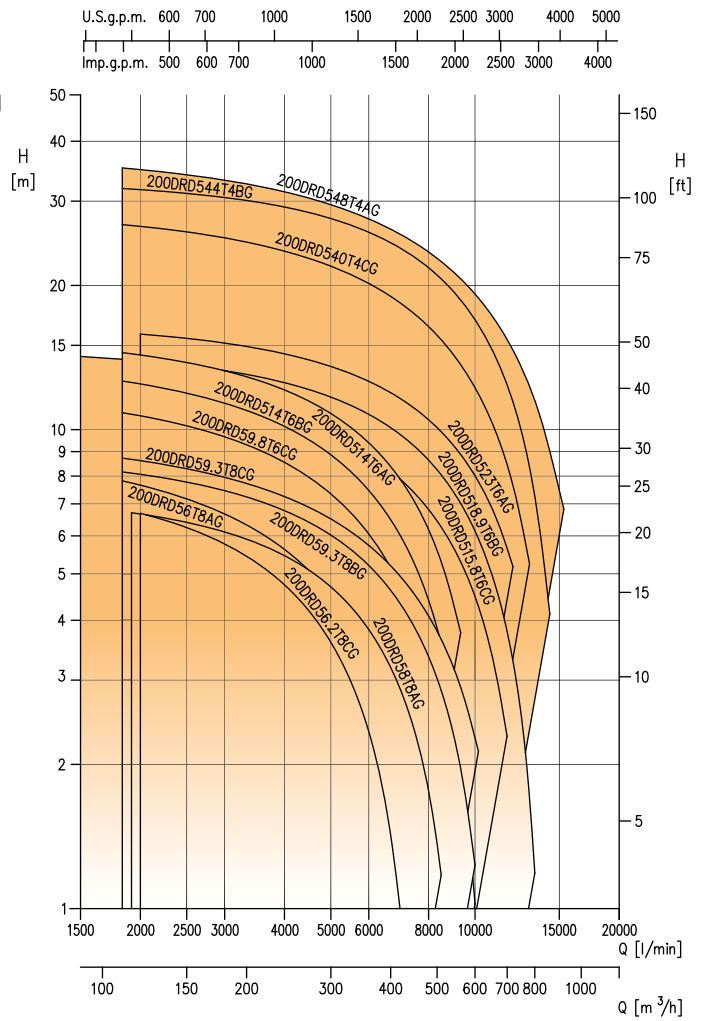
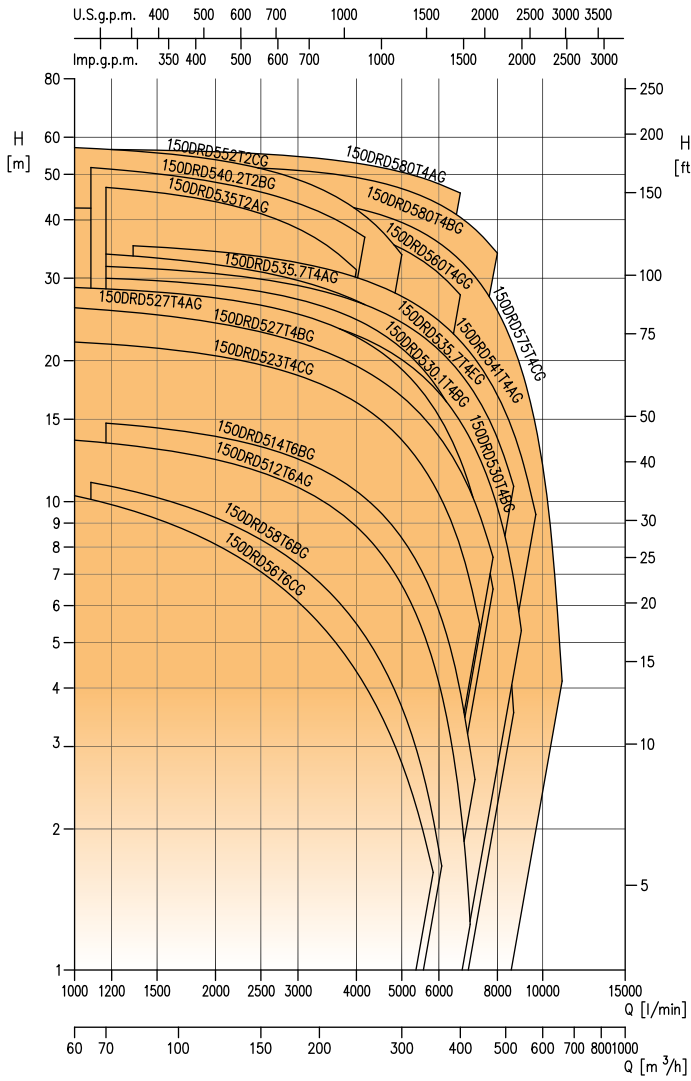
DRD



DRD



Submersible sewage electric pumps with multi-channel impeller

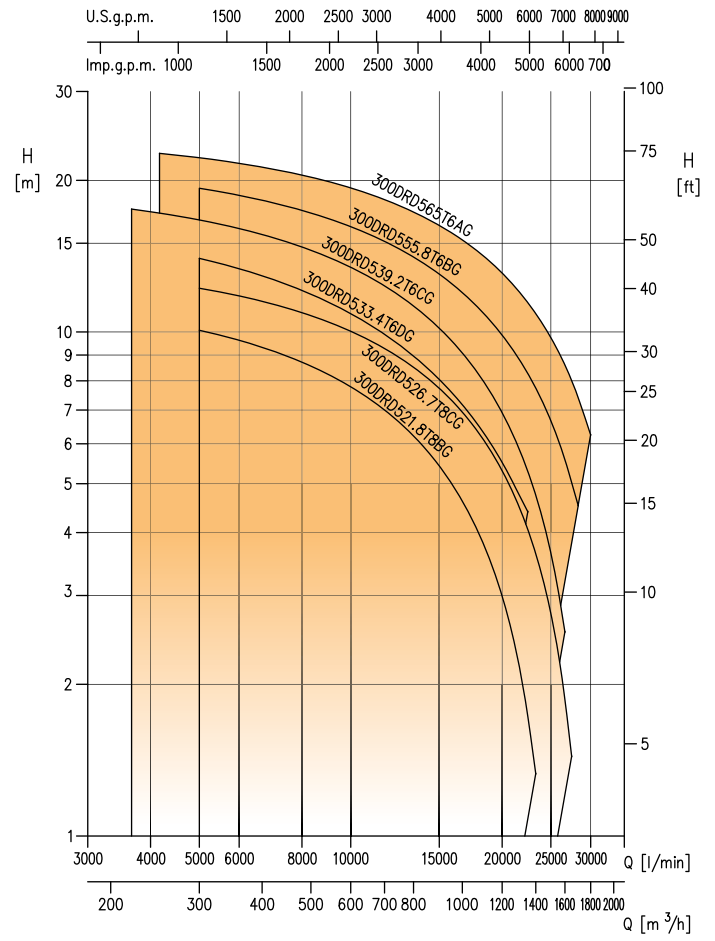
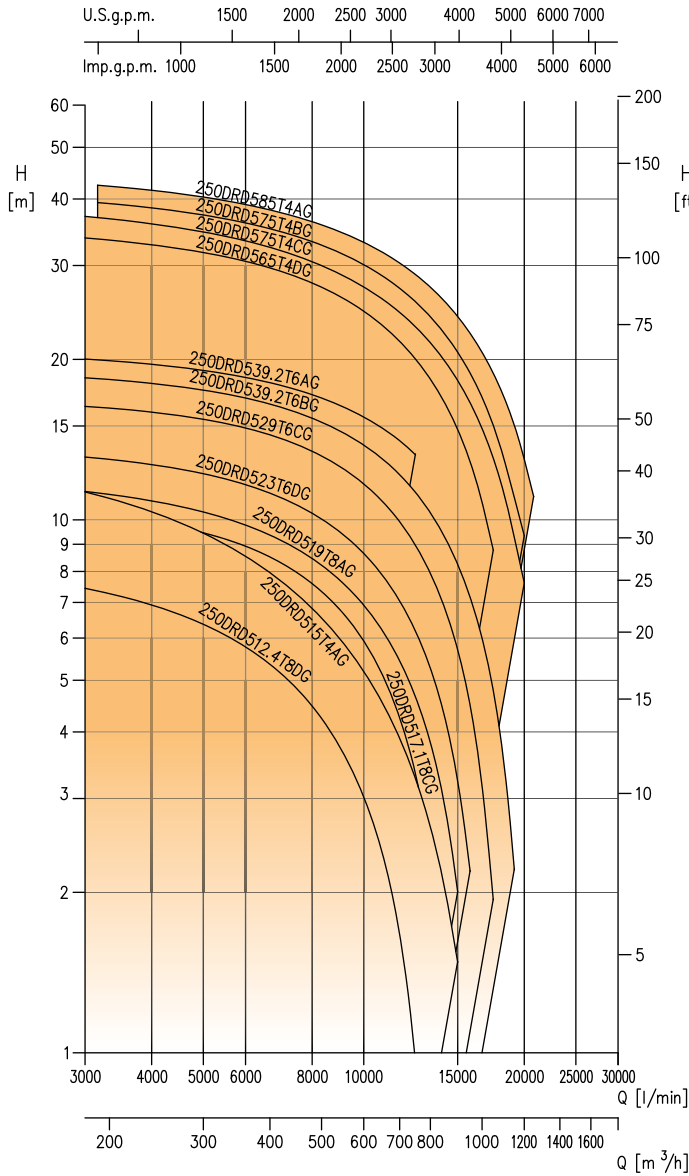


DRD

DRD



Submersible sewage electric pumps with multi-channel impeller

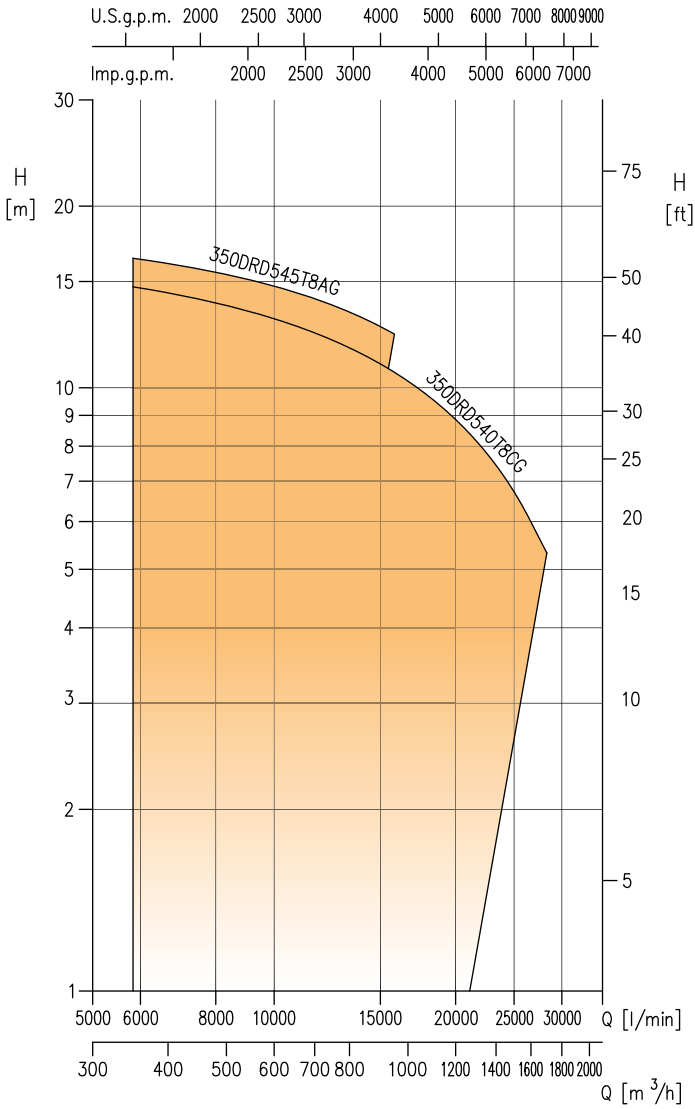


DRD

DRD



Submersible sewage electric pumps with multi-channel impeller



DRD

DRD



Submersible sewage electric pumps with multi-channel impeller

65-80DRD Selection table

Model	HP	kW	Q=Flow rate						
			l/min m³/h	200 12	333 20	833 50	1333 80	1833 110	2000 120
H=Total head [m]									
65DRD53.1T2CG	4,2	3,1		14,2	13,5	9,8	4,3	-	-
65DRD53.6T2BG	4,8	3,6		17,4	16,7	13,1	7,8	-	-
80DRD55T2BG	6,7	5		-	20,9	17,3	11,9	4,7	-
80DRD56T2AG	8	6		-	24,8	21	15,6	8,7	-
80DRD57.5T2AG	10,1	7,5		-	29,4	25,6	19,2	10,3	6,8

100DRD Selection table

Model	HP	kW	Q=Flow rate													
			l/min m³/h	500 30	833 50	1417 85	2417 145	2833 170	3000 180	3167 190	3333 200	3500 210	3583 215	3667 220	4000 240	4250 255
H=Total head [m]																
100DRD52.7T6AG	3,6	2,7		7,1	6,6	5,3	2,3	0,8	-	-	-	-	-	-	-	-
100DRD52.8T6AG	3,8	2,8		7,7	7	5,7	3,3	2,3	1,9	1,5	1,1	-	-	-	-	-
100DRD54.6T4CG	6,2	4,6		10,4	9,4	7,6	4,7	3,6	-	-	-	-	-	-	-	-
100DRD54.6T4BG	6,2	4,6		11,3	10,2	8,3	5,4	-	-	-	-	-	-	-	-	-
100DRD57.1T4BG	9,5	7,1		16,5	15,2	12,5	8,3	6,9	6,2	5,5	4,7	-	-	-	-	-
100DRD57.5T4FG	10,1	7,5		17	15,9	13,7	9,8	8,5	7,8	7,1	6,3	5,6	5,2	4,9	-	-
100DRD510T4FG	13,4	10		18,5	15,4	11,8	10,5	9,8	9,1	8,5	7,7	7,4	7	5,6	4,4	-
100DRD510T4AG	13,4	10		19,7	18,8	16,8	13,3	12	11,3	10,6	9,9	9,2	8,8	8,5	7	-
100DRD512T2DG	16,1	12		33,5	31,2	26,3	15,9	10,8	8,6	-	-	-	-	-	-	-
100DRD514.9T2CG	20,0	14,9		38,2	36	31,1	19,7	13,9	11,3	8,7	6	-	-	-	-	-
100DRD516.6T2BG	22,3	16,6		43,5	41	36,1	25,5	20,3	18,1	15,8	13,5	11,1	-	-	-	-
100DRD518.2T2AG	24,4	18,2		45	42,5	37,7	-	-	-	-	-	-	-	-	-	-
100DRD520T2AG	26,8	20		47	45,5	41	30,1	24,2	21,7	18,9	16,1	13,1	11,6	-	-	-

150DRD Selection table

Model	HP	kW	Q=Flow rate																					
			l/min m³/h	1000 60	1083 65	1167 70	1333 80	2667 160	4000 240	4167 250	5000 300	5833 350	6083 365	6667 400	7000 420	7167 430	7333 440	7833 470	8000 480	8667 520	9000 540	9667 580	11000 660	
H=Total head [m]																								
150DRD56T6CG	8,0	6		10,3	10,1	9,9	9,6	6,8	4,3	4,1	2,8	1,6	-	-	-	-	-	-	-	-	-	-	-	-
150DRD58T6BG	10,7	8		-	11	10,8	10,5	8	5,5	5,2	3,6	2,1	1,7	-	-	-	-	-	-	-	-	-	-	-
150DRD512T6AG	16,1	12		13,5	13,5	13,4	13,2	11,3	8,8	8,5	6,6	4,5	3,9	2,2	1,2	-	-	-	-	-	-	-	-	-
150DRD514T6BG	18,8	14		-	-	14,7	14,5	12,9	10,5	10,2	8,4	6,3	5,6	3,9	3	2,5	-	-	-	-	-	-	-	-
150DRD523T4CG	30,8	23		21,9	21,8	21,7	21,5	19,3	16,3	15,9	13,5	10,9	10,1	8	6,8	6,1	5,5	-	-	-	-	-	-	-
150DRD527T4BG	36,2	27		26	25,8	25,7	25,4	22,7	19,5	19	16,8	14,3	13,5	11,7	10,5	10	9,4	7,6	-	-	-	-	-	-
150DRD527T4AG	36,2	27		28,7	28,6	28,5	28,3	25,9	22,5	22	19,2	15,9	14,9	12,3	10,7	9,9	9	6,4	-	-	-	-	-	-
150DRD530T4BG	40,2	30		-	-	27,5	27,4	25,4	22,7	22,3	20,1	17,6	16,8	14,8	13,6	13	12,4	10,4	9,7	6,9	5,4	-	-	
150DRD530.1T4BG	40,2	30		-	-	30	29,8	27,8	24,5	24	21,2	18	17	14,3	12,7	11,9	11,1	8,4	7,5	3,6	-	-	-	
150DRD535T2AG	46,9	35		-	-	47	46,5	40,5	31,2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
150DRD535.7T4EG	47,9	35,7		-	-	31,8	31,7	29,6	26,8	26,3	24,1	21,6	20,8	18,8	17,6	17	16,3	14,4	13,7	10,8	-	-	-	
150DRD535.7T4AG	47,9	35,7		-	-	33,8	30,5	26,9	26,4	23,6	21,9	-	-	-	-	-	-	-	-	-	-	-	-	
150DRD540.2T2BG	53,9	40,2		-	51,7	51,4	50,8	45	37,7	36,7	-	-	-	-	-	-	-	-	-	-	-	-	-	
150DRD541T4AG	55,0	41		-	-	-	35,3	33	30,1	29,7	27,4	24,9	24,1	22	20,8	20,2	19,6	17,6	16,9	14	12,5	9,4	-	
150DRD552T2CG	69,7	52		57	56,8	56,6	56,1	50,6	42	40,8	33,7	-	-	-	-	-	-	-	-	-	-	-	-	
150DRD560T4GG	80,5	60		42,5	42,5	42,5	42	41	37,8	37,3	34,7	31,4	30,4	27,6	-	-	-	-	-	-	-	-	-	
150DRD575T4CG	100,6	75		-	-	-	45,5	45	42,5	42	39,5	36,4	35,4	32,7	31,1	30,2	29,4	26,6	25,6	21,4	19,2	14,4	3,8	
150DRD580T4BG	107,3	80		52	52	52	52	51,5	49	49	48,5	44	43	40,5	39	38,2	37,4	34,8	33,9	-	-	-	-	
150DRD580T4AG	107,3	80		-	-	56,5	55	53	52,5	50,5	49	48	47,5	45,5	-	-	-	-	-	-	-	-	-	

DRD

DRD



Submersible sewage electric pumps with multi-channel impeller

200DRD Selection table

Model	HP	kW	Q=Flow rate																		
			l/min	1667	1833	1917	2000	4500	7000	7667	8500	9167	9333	10000	10167	11667	12000	13000	13333	14333	15333
			m³/h	100	110	115	120	270	420	460	510	550	560	600	610	700	720	780	800	860	920
			H=Total head [m]																		
200DRD56T8AG	8	6	-	-	7,7	7,7	5,1	2,2	1,3	-	-	-	-	-	-	-	-	-	-	-	
200DRD56.2T8CG	8,3	6,2	-	-	-	6,7	4,2	1	-	-	-	-	-	-	-	-	-	-	-	-	
200DRD58T8AG	10,7	8	-	6,7	6,7	6,7	5,1	2,9	2,1	1,2	-	-	-	-	-	-	-	-	-	-	
200DRD59.3T8CG	12,5	9,3	-	8,2	8,1	8,1	6,4	4,3	3,7	2,9	2,2	1,8	1,2	1	-	-	-	-	-	-	
200DRD59.3T8BG	12,5	9,3	-	8,7	8,7	8,6	6,9	4,9	4,4	3,6	3,1	2,7	2,3	-	-	-	-	-	-	-	
200DRD59.8T6CG	13,1	9,8	-	10,9	10,8	10,7	8	4,7	3,7	2,5	1,4	-	-	-	-	-	-	-	-	-	
200DRD514T6BG	18,8	14	-	12,6	12,5	12,5	9,5	6	4,9	3,6	2,4	1,8	1	-	-	-	-	-	-	-	
200DRD514T6AG	18,8	14	-	14,5	14,4	14,3	11,5	7,8	6,7	5,3	4,1	3,5	-	-	-	-	-	-	-	-	
200DRD515.8T6CG	21,2	15,8	-	12	11,9	11,9	10,1	7,9	7,2	6,3	5,5	5,3	4,5	4,3	2,3	-	-	-	-	-	
200DRD518.9T6BG	25,3	18,9	14,1	14	14	13,9	12,1	9,7	9	8	7,2	7	6,1	5,9	3,8	3,3	1,7	1,2	-	-	
200DRD523T6AG	30,8	23	-	-	-	15,8	14	11,6	10,9	9,9	9,1	8,9	8	7,8	5,7	5,2	-	-	-	-	
200DRD540T4CG	53,6	40	-	26,8	26,7	26,6	22,8	18,4	17,1	15,4	14	13,7	12,2	11,9	8,5	7,7	5,2	-	-	-	
200DRD544T4BG	59	44	-	31,9	31,8	31,7	28,4	23,9	22,5	20,6	19,1	18,7	17	16,5	12,4	11,4	8,4	7,3	4	-	
200DRD548T4AG	64,4	48	-	35,2	35,1	34,9	30,4	25,5	24,2	22,4	21	20,7	19,2	18,8	15,4	14,7	12,3	11,5	9,1	6,6	

250DRD Selection table

Model	HP	kW	Q=Flow rate																	
			l/min	3000	3167	5000	8333	12500	12667	14000	15000	15833	17500	19167	19833	20000	20833			
			m³/h	180	190	300	500	750	760	840	900	950	1050	1150	1190	1200	1250			
			H=Total head [m]																	
250DRD515T4AG	20,1	15	11,3	11,1	9,4	6,3	3,3	3,1	2,2	1,5	-	-	-	-	-	-	-	-	-	-
250DRD512.4T8DG	16,6	12,4	7,4	7,4	6,4	4	1	0,8	-	-	-	-	-	-	-	-	-	-	-	-
250DRD517.1T8CG	22,9	17,1	10,3	10,2	9,5	7,1	3,3	3,1	1,5	-	-	-	-	-	-	-	-	-	-	-
250DRD519T8AG	25,5	19	11,3	11,2	10,3	8	4,7	4,5	3,1	2	-	-	-	-	-	-	-	-	-	-
250DRD523T6DG	30,8	23	13,1	13,1	12,2	9,8	6,2	6	4,5	3,3	2,2	-	-	-	-	-	-	-	-	-
250DRD529T6CG	38,9	29	16,3	16,3	15,4	12,9	9	8,8	7,1	5,7	4,5	1,9	-	-	-	-	-	-	-	-
250DRD539.2T6BG	52,6	39,2	18,5	18,4	17,5	15	11,3	11,1	9,5	8,3	7,1	4,8	2,2	-	-	-	-	-	-	-
250DRD539.2T6AG	52,6	39,2	20	20	19,1	16,7	13,3	-	-	-	-	-	-	-	-	-	-	-	-	-
250DRD565T4DG	87,2	65	33,8	33,7	31,7	26,8	20	19,7	17	14,8	12,8	8,8	-	-	-	-	-	-	-	-
250DRD575T4CG	100,6	75	37,1	36,9	34,7	29,5	23	22,7	20,2	18,3	16,6	13	9,3	7,8	7,4	-	-	-	-	-
250DRD575T4BG	100,6	75	-	39,4	37,3	32,3	25,7	25,3	22,7	20,6	18,8	15	11	9,4	-	-	-	-	-	-
250DRD585T4AG	114,0	85	-	42,5	40,5	35,3	28,9	28,6	26,1	24,1	22,4	18,8	15	13,5	13,1	11,1	-	-	-	-

300DRD Selection table

Model	HP	kW	Q=Flow rate																	
			l/min	3667	4167	5000	8333	11667	15000	18333	22500	23333	26667	27500	28333	30000				
			m³/h	220	250	300	500	700	900	1100	1350	1400	1600	1650	1700	1800				
			H=Total head [m]																	
300DRD521.8T8BG	29,2	21,8	-	-	10,1	8,6	7	5,4	3,8	1,7	1,3	-	-	-	-	-	-	-	-	-
300DRD526.7T8CG	35,8	26,7	-	-	12,2	10,8	9,3	7,7	6,1	4,1	3,6	1,9	1,4	-	-	-	-	-	-	-
300DRD533.4T6DG	44,8	33,4	-	-	14	11,9	9,9	8	6,3	4,3	-	-	-	-	-	-	-	-	-	-
300DRD539.2T6CG	52,6	39,2	17,6	17,2	16,7	14,5	12,4	10,2	8	5,3	4,7	2,6	-	-	-	-	-	-	-	-
300DRD555.8T6BG	74,8	55,8	-	-	19,3	17,2	15,1	13	10,9	8,3	7,7	5,6	5,1	4,5	-	-	-	-	-	-
300DRD565T6AG	87,2	65	-	22,6	22,2	20,3	18,3	16,3	14,2	11,4	10,9	8,6	8	7,4	6,2	-	-	-	-	-

DRD

DRD



Submersible sewage electric pumps with multi-channel impeller

350DRD Selection table

Model	HP	kW	Q=Flow rate							
			l/min	5833	8333	11667	15833	20000	25000	28333
			m ³ /h	350	500	700	950	1200	1500	1700
H=Total head [m]										
350DRD540T8CG	53,6	40		14,7	13,7	12,3	10,6	8,9	6,7	5,3
350DRD545T8AG	60,3	45		16,4	15,4	14,1	12,3	-	-	-

Three phase 400V

Model	Code	HP	kW	rpm	Abs. Curr. [A] 400V	Passage [mm]	DNM	Weight [kg]
65DRD53.1T2CG **	1875000225	4,2	3,1	2803	5,8	30	65	61,0
65DRD53.6T2BG **	1875000224	4,8	3,6	2822	6,6	30	65	62,0
80DRD55T2BG *	1875000227	6,7	5	2842	9,1	30	80	73,0
80DRD56T2AG *	1875000226	8,0	6	2842	10,9	30	80	75,0
80DRD57.5T2AG *	1875000228	10,1	7,5	2842	13,5	30	80	150,0
100DRD52.7T6AG **	1875000243	3,6	2,7	931	5,8	80	100	96,0
100DRD52.8T6AG *	1875000244	3,8	2,8	931	6	80	100	114,0
100DRD54.6T4CG *	1875000238	6,2	4,6	1401	9,3	80	100	115,0
100DRD54.6T4BG *	1875000237	6,2	4,6	1401	9,3	80	100	115,0
100DRD57.1T4BG *	1875000239	9,5	7,1	1436	13,5	60	100	170,0
100DRD57.5T4FG *	1875000240	10,1	7,5	1436	14,3	80	100	175,0
100DRD510T4FG *	1875000242	13,4	10	1436	19	80	100	205,0
100DRD510T4AG *	1875000241	13,4	10	1436	19	80	100	200,0
100DRD512T2DG *	1875000232	16,1	12	2852	21,7	40	100	200,0
100DRD514.9T2CG *	1875000231	20,0	14,9	2881	26,8	40	100	195,0
100DRD516.6T2BG *	1875000230	22,3	16,6	2881	29,8	40	100	205,0
100DRD518.2T2AG *	1875000229	24,4	18,2	2891	32,6	40	100	206,0
100DRD520T2AG *	1875000233	26,8	20	2891	35,8	40	100	340,0
150DRD540.2T2BG *	1875000234	8,0	40,2	2901	71	50	150	500,0
150DRD552T2CG *	1875000235	10,7	52	2911	90,1	50	150	495,0
150DRD56T6CG *	1875000245	16,1	6	941	12	80	150	190,0
150DRD58T6BG *	1875000246	18,8	8	941	15,8	80	150	220,0
150DRD514T6BG *	1875000249	30,8	14	956	26,2	100	150	375,0
150DRD512T6AG *	1875000248	36,2	12	951	22,9	100	150	382,0
150DRD523T4CG *	1875000253	36,2	23	1441	42,2	100	150	430,0
150DRD527T4BG *	1875000252	40,2	27	1441	49,6	100	150	430,0
150DRD527T4AG *	1875000250	40,2	27	1441	49,6	80	150	430,0
150DRD530T4BG *	1875000257	46,9	30	1450	54,3	100	150	518,0
150DRD535.7T4EG *	1875000258	47,9	35,7	1450	63,6	100	150	518,0
150DRD530.1T4BG *	1875000255	47,9	30	1450	54,3	80	150	515,0
150DRD535.7T4AG *	1875000254	53,9	35,7	1450	63,6	80	150	515,0
150DRD541T4AG *	1875000256	55,0	41	1450	73,1	100	150	518,0
150DRD535T2AG *	1875000236	69,7	35	2901	61,8	50	150	512,0
150DRD560T4AG *	1875000263	80,5	60	1455	101,3	60	150	745,0
150DRD580T4BG *	1875000265	100,6	80	1455	134,8	60	150	915,0
150DRD575T4CG *	1875000266	107,3	75	1455	126,3	60	150	915,0
150DRD580T4AG *	1875000264	107,3	80	1455	134,8	60	150	915,0

Tripod or lowering device required for all models

* Three phase 400/690V - DOL-SD start

** Three phase 400V - DOL-SD start

DRD



Submersible sewage electric pumps with multi-channel impeller

Three phase 400V

Model	Code	HP	kW	rpm	Abs. Curr. [A] 400V	Passage [mm]	DNM	Weight [kg]
200DRD56.2T8CG *	1875000284	8,3	6,2	706	14,4	102	200	330,0
200DRD58T8AG *	1875000285	10,7	8	715	17,1	102	200	330,0
200DRD56T8AG *	1875000286	8,0	6	706	13,9	102	200	430,0
200DRD59.8T6CG *	1875000247	13,1	9,8	941	19,3	102	200	332,0
200DRD59.3T8CG *	1875000288	12,5	9,3	715	19,8	102	200	430,0
200DRD59.3T8BG *	1875000287	12,5	9,3	715	19,8	102	200	435,0
200DRD515.8T6CG *	1875000275	21,2	15,8	956	29,6	102	200	460,0
200DRD514T6BG *	1875000271	18,8	14	956	26,2	102	200	385,0
200DRD514T6AG *	1875000272	18,8	14	956	26,2	102	200	382,0
200DRD518.9T6BG	1875000274	25,3	18,9	956	34,8	102	200	460,0
200DRD523T6AG *	1875000273	30,8	23	960	40,6	102	200	460,0
200DRD540T4CG *	1875000262	53,6	40	1450	71,3	102	200	665,0
200DRD544T4BG *	1875000261	59,0	44	1445	78,1	102	200	665,0
200DRD548T4AG *	1875000260	64,4	48	1455	85,2	102	200	665,0
250DRD512.4T8DG	1875000289	16,6	12,4	715	26,5	105	250	520,0
250DRD517.1T8CG	1875000291	22,9	17,1	715	35,1	105	250	520,0
250DRD515T4AG *	1875000259	20,1	15	1441	27,8	73	250	440,0
250DRD519T8AG *	1875000290	25,5	19	715	39	105	250	600,0
250DRD523T6DG *	1875000276	30,8	23	960	40,6	105	250	530,0
250DRD529T6CG *	1875000277	38,9	29	960	52,8	105	250	590,0
250DRD539.2T6BG	1875000279	52,6	39,2	965	71	105	250	750,0
250DRD539.2T6AG	1875000278	52,6	39,2	965	71	105	250	750,0
250DRD565T4DG *	1875000270	87,2	65	1455	109,7	105	250	940,0
250DRD575T4CG *	1875000269	100,6	75	1455	126,3	105	250	970,0
250DRD575T4BG *	1875000268	100,6	75	1455	126,3	105	250	940,0
250DRD585T4AG *	1875000267	114,0	85	1455	143,2	105	250	940,0
300DRD521.8T8BG	1875000292	29,2	21,8	720	43,7	50X140	300	1.024,0
300DRD526.7T8CG	1875000293	35,8	26,7	720	53,5	50X140	300	1.024,0
300DRD533.4T6DG	1875000281	44,8	33,4	960	60,8	50X140	300	1.030,0
300DRD539.2T6CG	1875000280	52,6	39,2	965	71	50X140	300	1.030,0
300DRD555.8T6BG	1875000283	74,8	55,8	965	99	50X140	300	1.190,0
300DRD565T6AG *	1875000282	87,2	65	965	115,3	50X140	300	1.190,0
350DRD545T8AG *	1875000294	60	45	725	88,3	112	350	1.350,0
350DRD540T8CG *	1875000295	53,6	40	720	79,3	112	350	1.350,0

Tripod or lowering device required for all models

* Three phase 400/690V - DOL-SD start

DRS



Submersible sewage electric pumps with open impeller and grinder device inlet

Submersible cast iron pumps fitted with Type Grinder shredder mechanism in AISI 304. The open impeller and the Type grinder shredder mechanism enable the pumps to be used in applications with foul waste waters such as the emptying of septic tanks, sewer or sewage treatment systems.



Possibility to use in fixed and mobile installations



Open impeller and grinder device inlet

Technical data

Max. immersion 20 m

Max. temperature of the liquid 40°C

Max. solids passage 6÷7 mm (DRS 40)
8÷10 (DRS 65)

Poles 2

Insulation class H

Protection degree IP68

Voltage Single phase 230V ±10%
Three phase 400/690 ±10%

Materials

Pump body Cast iron

Impeller Cast iron

Shaft AISI 420B

Mechanical seal Impeller side: SiC/SiC/NBR
Motor side: Carbon/Ceramic/NBR

Accessories



Adaptors

Pag. 386 - **Lowering slide kit 2 DN50 guide pipes**
Adaptor for the use of lowering slide kit (QDC)

Pag. 386 - **Hook guide**
Adaptor (guide pipe) and flange for adaptor



Various accessories

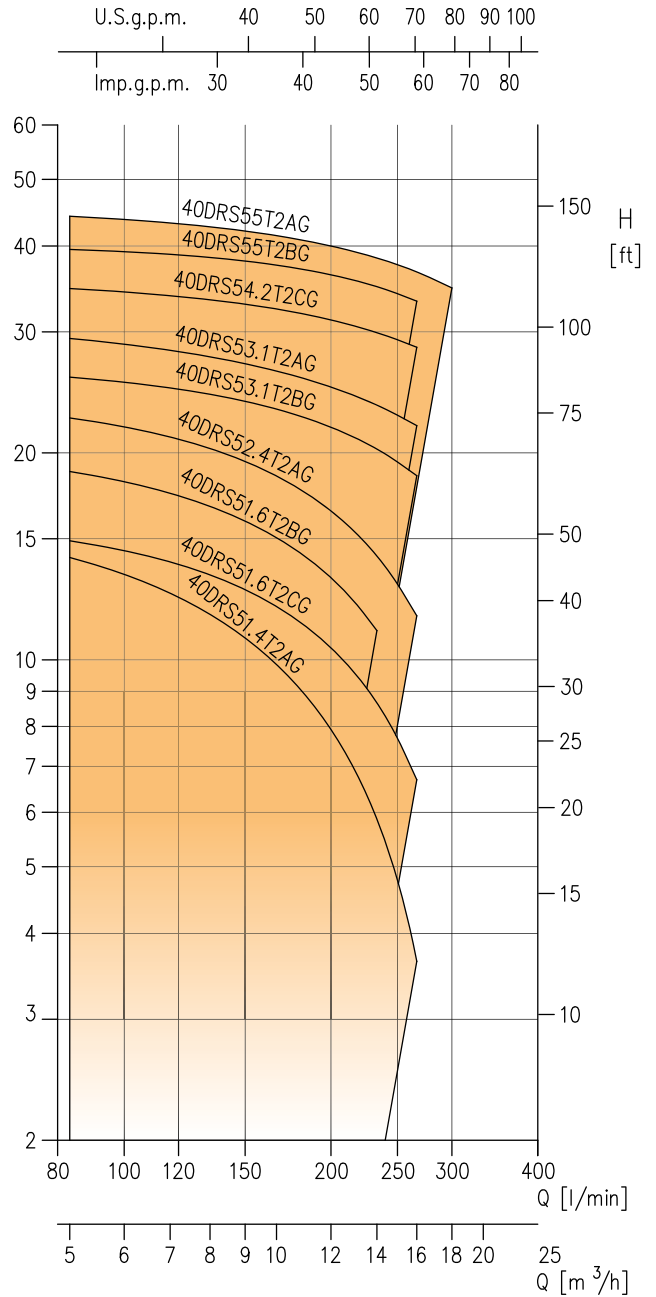
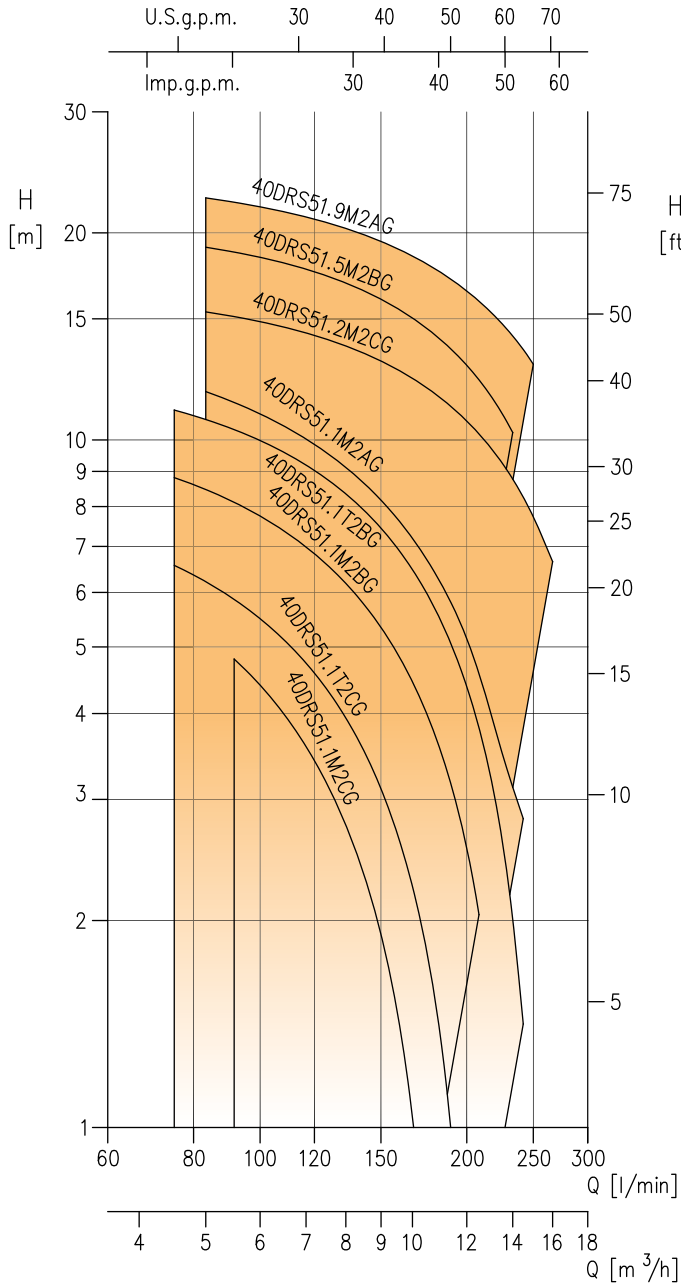
Pag. 387 - **DMLF-DMLVF-DSF-DRD-DRS Accessories**

- QDC - Quick discharge connection
- Elbow for discharge
- Tripod
- Threaded flange

DRS



Submersible sewage electric pumps with open impeller and grinder device inlet

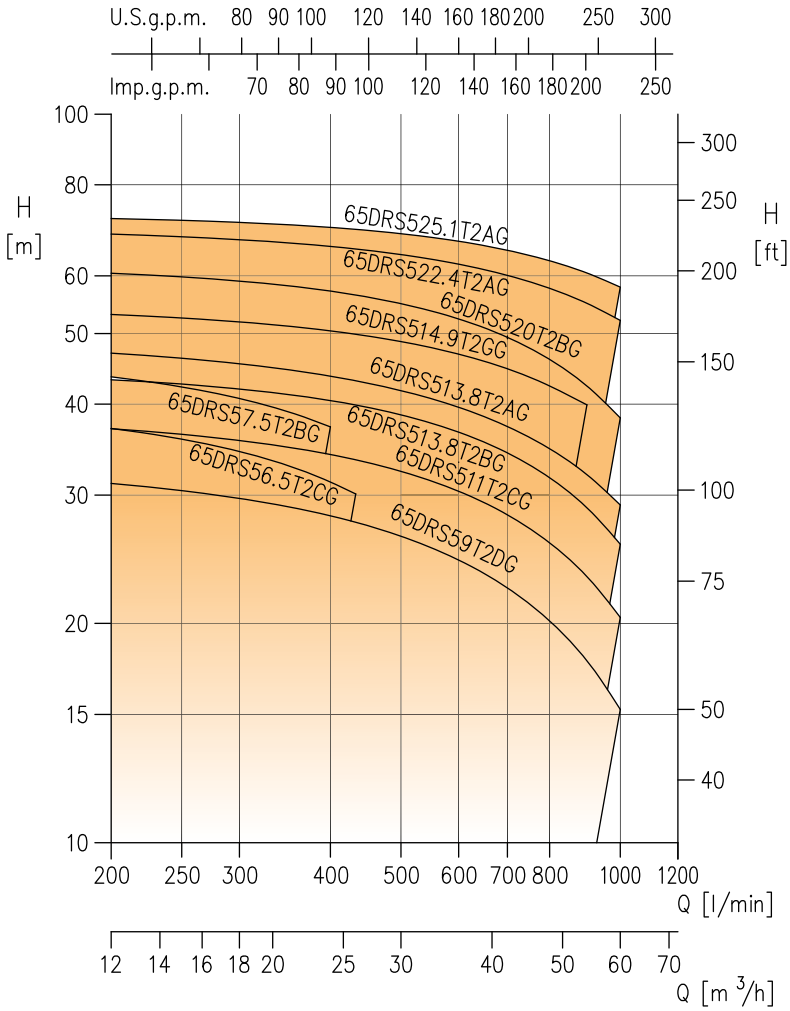


DRS

DRS



Submersible sewage electric pumps with open impeller and grinder device inlet



DRS



Submersible sewage electric pumps with open impeller and grinder device inlet

40DRS Selection table

Model	HP	kW	Q=Flow rate											
			l/min	75	83	92	150	175	200	208	233	242	250	267
			m ³ /h	4,5	5,0	5,5	9,0	10,5	12,0	12,5	14,0	14,5	15,0	16,0
H=Total head [m]														
40DRS51.1M2CG	1,5	1,1	-	-	4,8	1,9	0,6	-	-	-	-	-	-	-
40DRS51.1M2BG	1,5	1,1	8,8	8,5	8,1	5,3	4	2,5	2	-	-	-	-	
40DRS51.1M2AG	1,5	1,1	-	11,8	11,3	8,2	6,7	5,1	4,6	3	2,4	-	-	
40DRS51.2M2CG	1,6	1,2	-	15,3	15,1	13	11,9	10,6	10,2	8,8	8,3	7,7	6,6	
40DRS51.5M2BG	2	1,5	-	19,1	18,7	16	14,5	12,8	12,2	10,3	-	-	-	
40DRS51.9M2AG	2,5	1,9	-	22,5	21,2	19,4	18	16,5	15,9	14,2	13,5	12,9	-	
40DRS51.1T2CG	1,5	1,1	6,6	6,2	5,9	3,1	1,8	0,4	-	-	-	-	-	
40DRS51.1T2BG	1,5	1,1	11	10,7	10,3	7,4	6	4,4	3,8	2	1,4	-	-	

40DRS Selection table

Model	HP	kW	Q=Flow rate						
			l/min	83	150	200	233	267	300
			m ³ /h	5,0	9,0	12,0	14,0	16,0	18,0
H=Total head [m]									
40DRS51.4T2AG	1,9	1,4	-	14,1	10,8	7,9	5,9	3,7	-
40DRS51.6T2CG	2,1	1,6	-	14,9	12,6	10,4	8,7	6,7	-
40DRS51.6T2BG	2,1	1,6	-	18,8	15,9	13,2	11	-	-
40DRS52.4T2AG	3,2	2,4	-	22,5	19,4	16,5	14,2	11,6	-
40DRS53.1T2BG	4,2	3,1	-	25,8	23,8	21,8	20,3	18,5	-
40DRS53.1T2AG	4,2	3,1	-	29,3	27	24,9	23,5	21,9	-
40DRS54.2T2CG	5,6	4,2	-	34,7	32,9	31,2	29,9	28,5	-
40DRS55T2BG	6,7	5	-	39,5	38	36,3	34,9	33,3	-
40DRS55T2AG	6,7	5	-	44	42	40	38,4	36,7	34,8

65DRS Selection table

Model	HP	kW	Q=Flow rate						
			l/min	200	400	433	667	900	1000
			m ³ /h	12,0	24,0	26,0	40,0	54,0	60,0
H=Total head [m]									
65DRS56.5T2CG	8,7	6,5	-	37	31,3	30,1	-	-	-
65DRS57.5T2BG	10,1	7,5	-	43,5	37,2	-	-	-	-
65DRS59T2DG	12,1	9	-	31,1	28,1	27,5	23,1	17,8	15,2
65DRS511T2CG	14,8	11	-	37	34,1	33,5	28,9	23,2	20,4
65DRS513.8T2BG	18,5	13,8	-	43	40,5	39,9	35,1	28,8	25,7
65DRS513.8T2AG	18,5	13,8	-	47	43,5	43	38,1	32	29,1
65DRS514.9T2GG	20,0	14,9	-	53	50,5	50	45,5	39,8	-
65DRS520T2BG	26,8	20	-	60,5	57	56,5	50,5	42,5	38,3
65DRS522.4T2AG	30,0	22,4	-	68,5	66	65,5	61	55	52
65DRS525.1T2AG	33,7	25,1	-	72	70	69,5	65,5	60,5	58

DRS



Submersible sewage electric pumps with open impeller and grinder device inlet

Single phase 230V

Model	Code	HP	kW	rpm	Abs. Curr. [A] 230V	Passage [mm]	DNM	Weight [kg]
40DRS51.1M2BG *	1875000297	1.5	1,1	2754	6,6	6	40	30,0
40DRS51.1M2CG *	1875000298	1.5	1,1	2754	6,6	6	40	30,0
40DRS51.2M2CG *	1875000304	1.5	1,1	2754	6,6	6	40	40,0
40DRS51.5M2BG *	1875000303	2	1,5	2754	9	6	40	40,0
40DRS51.1M2AG *	1875000296	1.5	1,1	2754	6,6	6	40	30,0
40DRS51.9M2AG *	1875000302	2.5	1,9	2773	11,4	6	40	40,0

Pumps supplied with control panel with double capacitor
 * Required flange or elbow in case of movable installation

Three phase 400V

Model	Code	HP	kW	rpm	Abs. Curr. [A] 400V	Passage [mm]	DNM	Weight [kg]
40DRS51.4T2AG **	1875000299	1,9	1,4	2783	2,7	6	40	40,0
40DRS51.1T2BG **	1875000300	1.5	1,1	2783	2,4	6	40	30,0
40DRS51.1T2CG **	1875000301	1.5	1,1	2783	2,4	6	40	30,0
40DRS51.6T2CG **	1875000307	2,1	1,6	2783	3,1	6	40	40,0
40DRS51.6T2BG **	1875000306	2,1	1,6	2783	3,1	6	40	40,0
40DRS52.4T2AG **	1875000305	3,2	2,4	2793	4,5	6	40	40,0
40DRS53.1T2BG **	1875000309	4,2	3,1	2803	5,8	7	40	52,0
40DRS53.1T2AG **	1875000308	4,2	3,1	2803	5,8	7	40	52,0
40DRS54.2T2CG *	1875000312	5,6	4,2	2822	7,7	7	40	67,0
40DRS55T2BG *	1875000311	6,7	5	2842	9,1	7	40	67,0
40DRS55T2AG *	1875000310	6,7	5	2842	9,1	7	40	67,0
65DRS57.5T2BG *	1875000313	10,1	7,5	2842	13,5	8	65	178,0
65DRS56.5T2CG *	1875000314	8,7	6,5	2842	11,8	8	65	178,0
65DRS513.8T2AG *	1875000315	18,5	13,8	2881	24,8	10	65	200,0
65DRS513.8T2BG *	1875000316	18,5	13,8	2881	24,8	10	65	200,0
65DRS511T2CG *	1875000317	14,8	11	2852	19,9	10	65	200,0
65DRS59T2DG *	1875000318	12,1	9	2842	16,2	10	65	198,0
65DRS516.6T2GG *	1875000319	22,3	16,6	2881	29,8	10	65	200,0
65DRS522.4T2AG *	1875000320	30,0	22,4	2891	38,9	10	65	340,0
65DRS520T2BG *	1875000321	26,8	20	2891	35,8	10	65	340,0
65DRS525.1T2AG *	1875000322	33,7	25,1	2891	43,6	10	65	335,0

Tripod or lowering device required for all models
 * Three phase 400/690V - DOL-SD start
 ** Three phase 400V - DOL-SD start

EBAMIX



Submersible mixers

Submersible mixers for mixing, homogenising and agitating heavy sludge and fluids loaded with solid particles, and for removing bottom deposit.



Possibility to use in fixed and mobile installations



Open impeller and grinder device inlet

Technical data

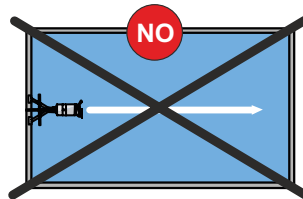
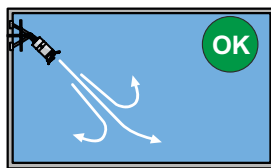
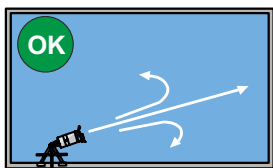
Max. temperature of the liquid	40°C
Poles	2
Insulation class	H
Protection degree	IP68
Voltage	Three phase 400/690 ±10%

Materials

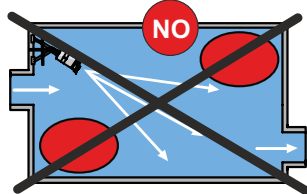
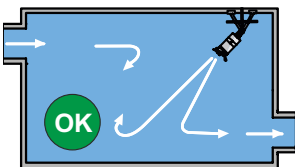
Pump body	Cast iron or Steel
Propeller	AISI 316
Shaft	AISI 420
Mechanical seal	SiC/SiC SiC/Silicium/FPM

Installation

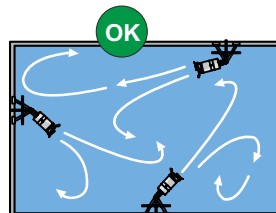
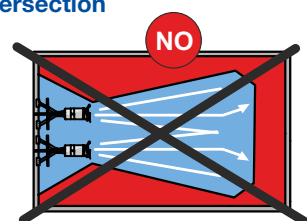
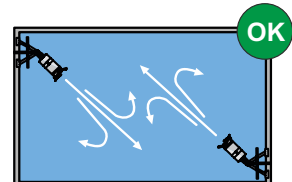
Try to take advantage from walls ebbs



Keep into consideration inflows and outflows



Avoid flows crossing or intersection



DUMPER



Dewatering pumps

DUMPER pump line is the answer to dewatering problems. Its reduced diameter and side discharge option, make this pump line suitable for both contracting and industrial use. The stainless steel version allows further more extreme applications such as mining and others. Overall, the robust construction together with high quality materials, make this product a strong and reliable partner for the most demanding user.



TOP DISCHARGE (T)

SIDE DISCHARGE (D)



Sturdy hydraulic frame



High versatility



1m cable in stainless steel



Light weight thanks to the aluminium pump body



Motor in class H insulation

Materials

Pump body	Aluminium (up to 8 kW), steel (from 12 kW)
Impeller	Nitride hardened AISI 410
Shaft	AISI 431
Mechanical seal	Tungsten carbide/Tungsten carbide/NBR

Cable entry protection

To protect the pump from water-entry through the cable, DUMPER pump has a so called double dam protection. This means that there is a grommet around the cable and a grommet for the cable leads. In this case the pump is also protected if there is a cut in the cable.

Technical data

Max. immersion	15m
Max. temperature of the liquid	40°C
Max. solids passage [mm]	25x6 DUMPER 3X 53.7-(L, M)
	30x9.5 DUMPER 3X 5(5.5, 7.5)-M
	25.5x5 DUMPER 4X 512-M
	25.5x10 DUMPER 6X 5(19, 26, 37)-M
	Ø 6 DUMPER 1X, 2X, 3X 5(3.7, 5.5, 7.5)-S
Ø 10 DUMPER 4X 512-S, 6X 5(19, 26)-S	
Ø 13 DUMPER 7X	
Ø 15 DUMPER 8X	
Suction	Strainer
Discharge Threaded (standard) [inch]	2 for DUMPER 1X, 2X 51.5-S
	3 for DUMPER 2X 5(2.2, 3)-S, 3X-(S, M)
	4 for DUMPER 3X-L, 4X 512-S, 6X 519-S
	6 for DUMPER 4X 512-M, 6X 519-M, 6X 526-S, 7X
	8 for DUMPER 6X 526-M, 6X 537-M, 8X 555-M
10 for DUMPER 8X 555-S	
Discharge Hose (Optional) [mm]	50 for DUMPER 1X, 2X 51.5-S
	75 for DUMPER 2X 5(2.2, 3)-S, 3X-(S, M)
	100 for DUMPER 3X-L, 4X 512-S, 6X 519-S
	150 for DUMPER 4X 512-M, 6X 519-M, 6X 526-S, 7X
	200 for DUMPER 6X 526-M, 6X 537-M, 8X 555-M
250 for DUMPER 8X 555-S	
Poles	2 and 4
Insulation class	H
Protection degree	IP68
Voltage	Single phase 230V ± 6%
	Three phase 400V ± 6%

Accessories



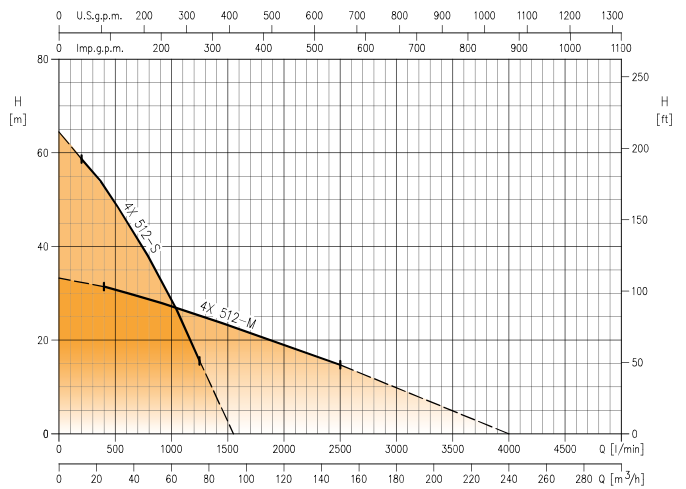
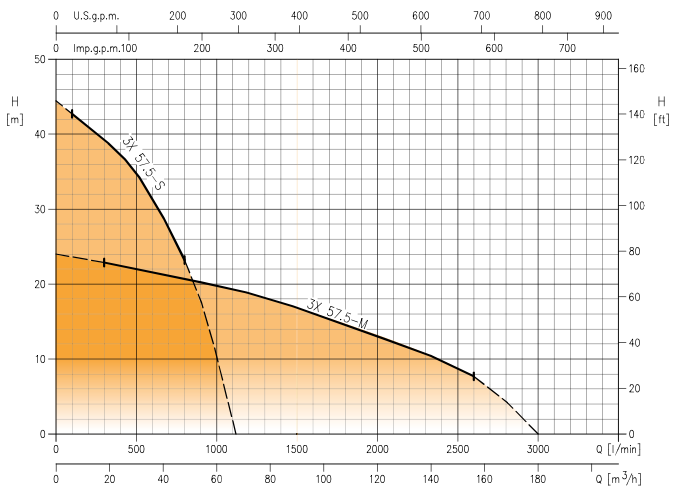
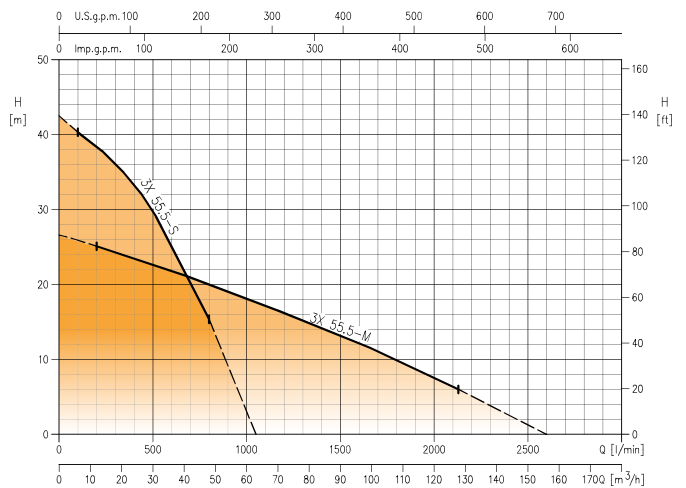
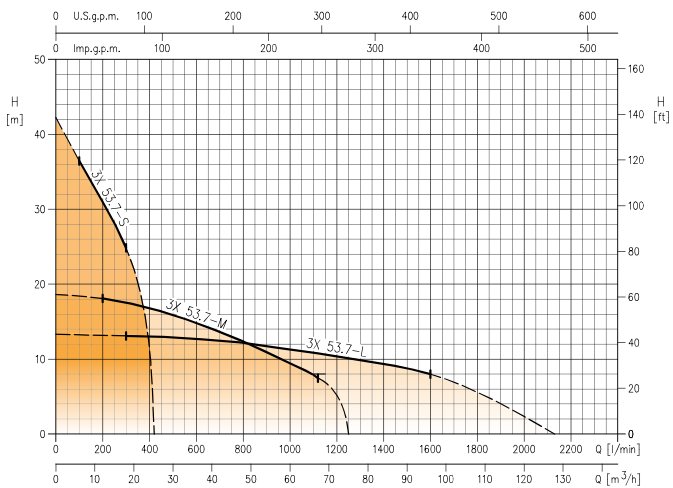
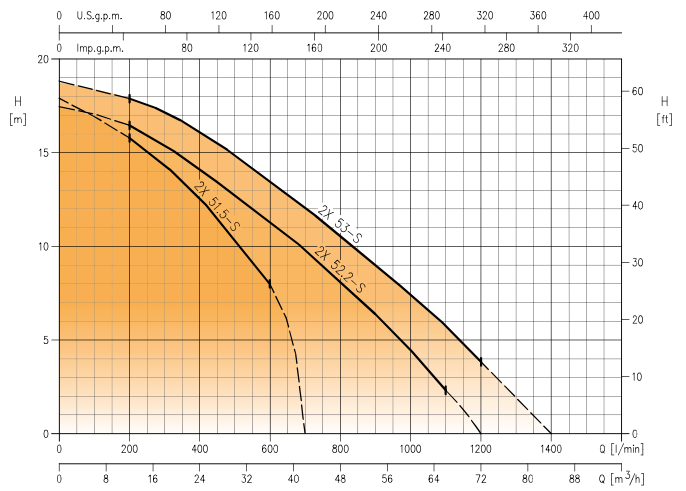
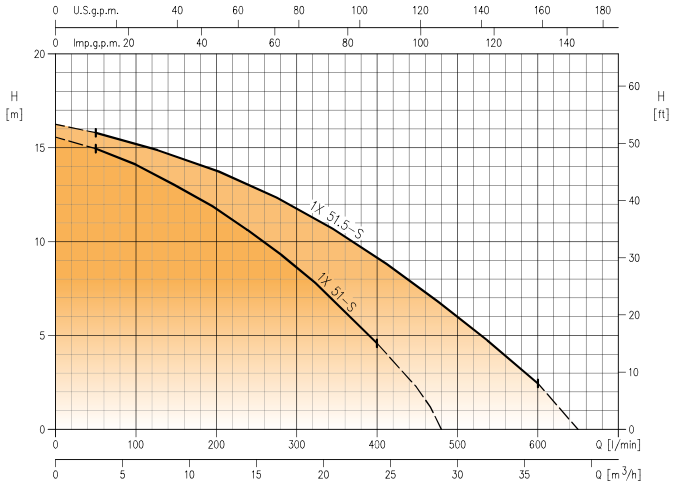
Control panels

Page 367 - Control panels

QT1 - QS1 - SMART

DUMPER

Dewatering pumps



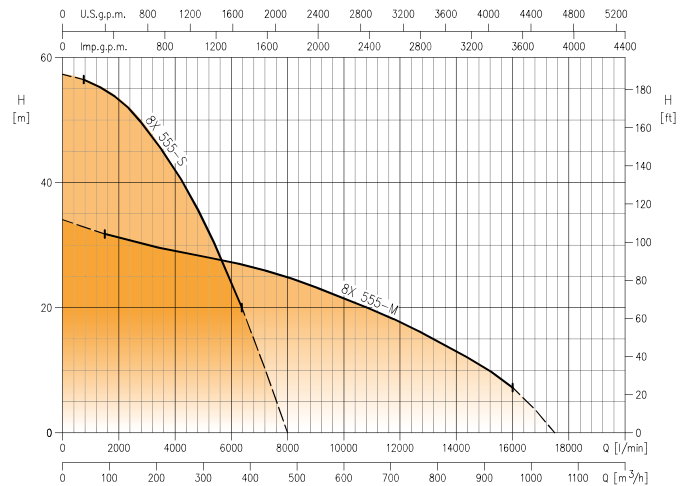
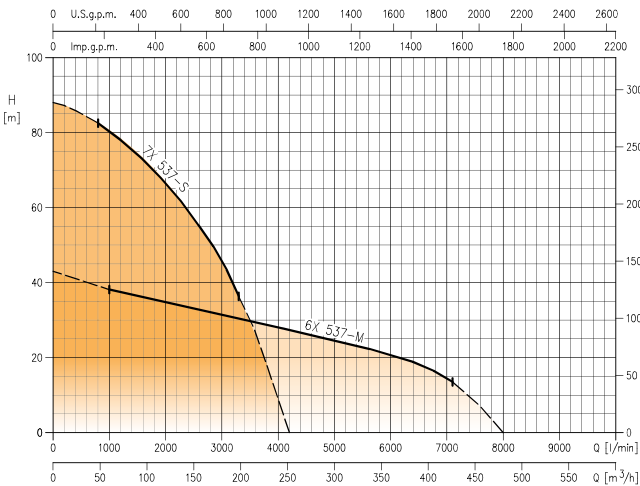
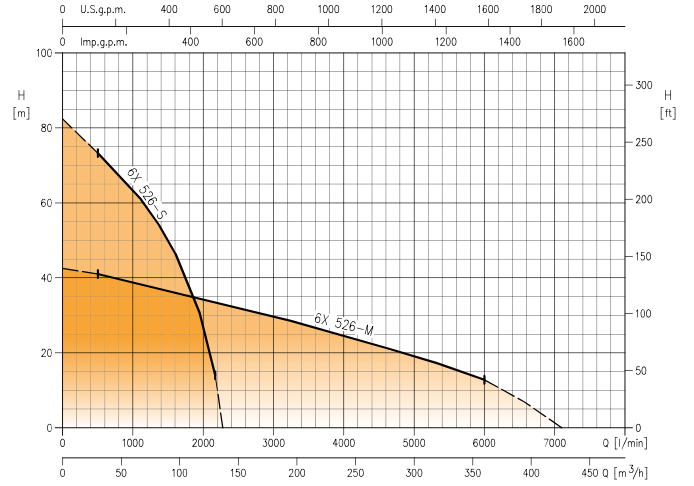
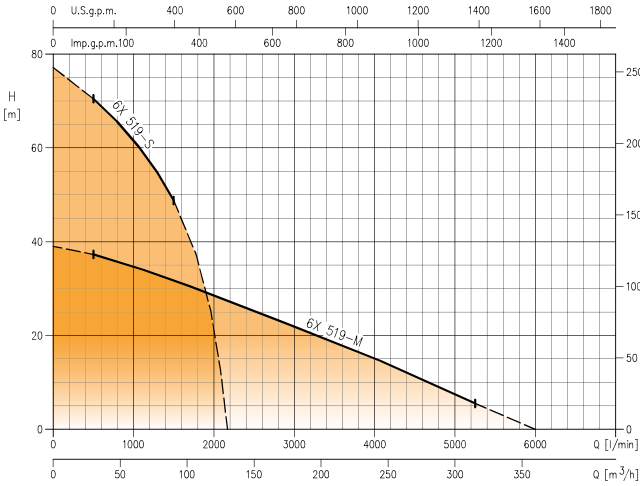
DUMPER

DUMPER

Dewatering pumps



DUMPER



DUMPER 1X Selection table

Model Three phase 400V	HP	kW	Q=Flow rate											
			H=Total head [m]											
			l/min	50	100	150	200	250	300	350	400	450	480	550
m³/h	3	6	9	12	15	18	21	24	27	28,8	33	36		
DUMPER 1X 51-S T	1,3	1	15	14,1	13	11,9	10,3	8,7	6,7	4,4	-	-	-	-
DUMPER 1X 51.5-S T	2	1,5	15,8	15,2	14,6	13,8	12,9	11,8	10,5	9,2	7,6	6,7	4,3	2,5

DUMPER 2X Selection table

Model Single phase 230V	Model Three phase 400V	HP	kW	Q=Flow rate											
				H=Total head [m]											
				l/min	200	300	400	500	600	700	800	900	1000	1100	1200
m³/h	12	18	24	30	36	42	48	54	60	66	72				
DUMPER 2X 51.5-S M-NC	-	2	1,5	15,8	14,3	12,6	10,4	8,0	-	-	-	-	-	-	
DUMPER 2X 52.2-S M-NC	DUMPER 2X 52.2-S T	3	2,2	16,5	15,4	14,1	12,8	11,4	9,8	8,1	6,4	4,5	2,3	-	
-	DUMPER 2X 53-S T	4	3	17,9	17,2	16,1	14,9	13,5	12,1	10,6	9,0	7,4	5,8	3,8	

DUMPER



Dewatering pumps

DUMPER 3X Selection table

Model Three phase 400V	HP	kW	Q=Flow rate														
			l/min	100	200	300	420	600	800	1050	1120	1150	1600	2130	2600		
			m ³ /h	6	12	18	25,2	36	48	63	67,2	69	96	127,8	156		
			H=Total head [m]														
DUMPER 3X 53.7-S T	5	3,7		36,4	31	24,8	-	-	-	-	-	-	-	-	-	-	-
DUMPER 3X 53.7-M T	5	3,7		-	18,1	17,4	16,6	14,8	12,4	8,7	7,4	-	-	-	-	-	-
DUMPER 3X 53.7-L T	5	3,7		-	-	13,1	13,0	12,7	12,2	11,0	10,8	10,6	8,0	-	-	-	-
DUMPER 3X 55.5-S T	7,5	5,5		40,3	38,6	36,8	33,1	25,3	15,4	-	-	-	-	-	-	-	-
DUMPER 3X 55.5-M T	7,5	5,5		-	25,1	24,3	23,3	21,8	20,0	17,6	17,0	16,7	12,2	6,0	-	-	-
DUMPER 3X 57.5-S T	10	7,5		42,5	41,5	39,4	36,8	30,7	23,2	-	-	-	-	-	-	-	-
DUMPER 3X 57.5-M T	10	7,5		-	-	22,9	22,2	21,4	20,6	19,6	19,3	19,1	16,2	12,0	7,7	-	-

DUMPER 4X Selection table

Model Three phase 400V	HP	kW	Q=Flow rate														
			l/min	200	400	600	800	1000	1250	1600	2000	2500	3000	3500			
			m ³ /h	12	24	36	48	60	75	96	120	150	180	210			
			H=Total head [m]														
DUMPER 4X 512-S T-SD	16	12		58,5	53	45	37,5	28,8	15,6	-	-	-	-	-	-	-	-
DUMPER 4X 512-M T-SD	16	12		-	31,4	30,1	28,7	27,3	25,2	22,8	18,8	14,7	10	4,7	-	-	-

DUMPER 6X Selection table

Model Three phase 400V	HP	kW	Q=Flow rate														
			l/min	500	1000	1500	2170	2280	3000	3750	4500	5250	6000	7100			
			m ³ /h	30	60	90	130,2	136,8	180	225	270	315	360	426			
			H=Total head [m]														
DUMPER 6X 519-S T-SD	25	19		70,5	61,5	49	27	-	-	-	-	-	-	-	-	-	-
DUMPER 6X 519-M T-SD	25	19		37,3	33,4	30,6	27,1	26,5	21,8	17	11,2	5,5	-	-	-	-	-
DUMPER 6X 526-S T-SD	35	26		73,5	63,5	50	14	-	-	-	-	-	-	-	-	-	-
DUMPER 6X 526-M T-SD	35	26		41	38,5	35,8	32,2	31,6	28,3	25,1	21,7	17,7	12,8	-	-	-	-
DUMPER 6X 537-M T-SD	50	37		-	38,1	36	32,9	32,4	29,5	27,4	25,6	23,5	20,8	13,5	-	-	-

DUMPER 7X Selection table

Model Three phase 400V	HP	kW	Q=Flow rate													
			l/min	800	1200	1500	1800	2100	2400	2700	3000	3300				
			m ³ /h	48	72	90	108	126	144	162	180	198				
			H=Total head [m]													
DUMPER 7X 537-S T-SD	50	37		82,5	78	74	69	64,5	58	52	47	36,3	-	-	-	-

DUMPER 8X Selection table

Model Three phase 400V	HP	kW	Q=Flow rate														
			l/min	750	1500	2250	3000	3750	5000	6375	8000	10000	12000	14000	16000		
			m ³ /h	45	90	135	180	225	300	382,5	480	600	720	840	960		
			H=Total head [m]														
DUMPER 8X 555-S T-SD	55	75		-	31,79	30,87	30,06	29,23	28,17	26,90	24,88	21,5	17,7	13,02	7,23	-	-
DUMPER 8X 555-M T-SD	55	75		56,48	54,82	52,35	48,42	43,8	34,01	20	-	-	-	-	-	-	-

DUMPER

DUMPER



Dewatering pumps

Single phase 230V

Model	Code	HP	kW	Abs. Curr. [A] 230V	DNM	Weight [kg]
DUMPER 20 51.5-S M-NC*	1544500005A	2	1,5	13	G2	39,0
DUMPER 20 52.2-S M-NC*	1544500007A	3	2,2	19	G3	45,0

* Pumps with axial discharge connection

The pump is supplied without capacitor, float and control panel. For further informations please contact our sales network

Three phase 400V

Model	Code	HP	kW	Abs. Curr. [A] 400V	DNM	Weight [kg]
DUMPER 10 51-S T*	1544500001A	1,3	1	2,4	G2	21,0
DUMPER 10 51.5-S T*	1544500003A	2	1,5	3,9	G2	18,0
DUMPER 20 52.2-S T*	1544500006A	3	2,2	5,5	G3	37,0
DUMPER 20 53-S T*	1544500008A	4	3	8	G3	36,0
DUMPER 30 53.7-L T*	1544500009A	5	3,7	8,1	G4	49,0
DUMPER 30 53.7-M T*	1544500010A	5	3,7	8,1	G3	47,0
DUMPER 30 53.7-S T*	1544500011A	5	3,7	8,1	G3	60,0
DUMPER 30 55.5-M T*	1544500012A	7,5	5,5	12,5	G4	62,0
DUMPER 30 55.5-S T*	1544500013A	7,5	5,5	12,5	G3	67,0
DUMPER 30 57.5-M T*	1544500014A	10	7,5	16	G4	72,0
DUMPER 30 57.5-S T*	1544500015A	10	7,5	16	G3	73,0
DUMPER 40 512-M T*	1544500017A	16	12	24	G6	132,0
DUMPER 40 512-S T*	1544500018A	16	12	24	G4	147,0
DUMPER 60 519-M T*	1544500019A	25	19	39	G6	205,0
DUMPER 60 519-S T*	1544500020A	25	19	39	G4	210,0
DUMPER 60 526-M T*	1544500021A	35	26	51	G8	255,0
DUMPER 60 526-S T*	1544500022A	35	26	51	G6	260,0
DUMPER 60 537-M T*	1544500023A	50	37	64	G8	275,0
DUMPER 70 537-S T*	1544500024A	50	37	64	G6	410,0
DUMPER 80 555-M T-SD	1544500069	75	55	102	G6	630,0
DUMPER 80 555-S T-SD	1544500070	75	55	102	G10	630,0
DUMPER 31 53.7-L**	1544500047A	5	3,7	8,1	G4	49,0
DUMPER 31 53.7-M**	1544500048A	5	3,7	8,1	G3	47,0
DUMPER 31 53.7-S**	1544500049A	5	3,7	8,1	G3	60,0
DUMPER 31 55.5-M**	1544500050A	7,5	5,5	12,5	G4	62,0
DUMPER 31 55.5-S**	1544500051A	7,5	5,5	12,5	G3	67,0
DUMPER 31 57.5-M**	1544500052A	10	7,5	16	G4	72,0
DUMPER 41 512-M**	1544500054A	16	12	24	G6	132,0
DUMPER 41 512-S**	1544500055A	16	12	24	G4	147,0
DUMPER 61 519-M**	1544500056A	25	19	39	G6	205,0
DUMPER 61 519-S**	1544500057A	25	19	39	G4	210,0
DUMPER 61 526-M**	1544500058A	35	26	51	G8	255,0
DUMPER 61 526-S**	1544500059A	35	26	51	G6	260,0

DOL start for models up to 7,5kW, SD start for models from 12kW and above

* Pumps with axial discharge connection

** Pumps with radial discharge connection

DUMPER L



Dewatering pumps in AISI 316 stainless steel

DUMPER pump line is the answer to dewatering problems. Its reduced diameter and side discharge option, make this pump line suitable for both contracting and industrial use. The stainless steel version allows further more extreme applications such as mining and others. Overall, the robust construction together with high quality materials, make this product a strong and reliable partner for the most demanding user.



Sturdy hydraulic frame



High versatility



1m cable in stainless steel



Light weight thanks to the aluminium pump body



Motor in class H insulation

Materials

Pump body	AISI 316
Impeller	Nitride hardened AISI 410
Shaft	AISI 431
Mechanical seal	SiC/SiC/FPM

Cable entry protection

To protect the pump from water-entry through the cable, DUMPER pump has a so called double dam protection. This means that there is a grommet around the cable and a grommet far the cabel leads. In this case the pump is also protected if there is a cut in the cable.

Technical data

Max. immersion	15m	
Max. temperature of the liquid	40°C	
Max. solids passage [mm]	25x6	DUMPER 3X 53.7-(L, M)
	30x9.5	DUMPER 3X 5(5.5, 7.5)-M
	25.5x5	DUMPER 4X 512-M
	25.5x10	DUMPER 6X 5(19, 26, 37)-M
	Ø 6	DUMPER 1X, 2X, 3X 5(3.7, 5.5, 7.5)-S
	Ø 10	DUMPER 4X 512-S, 6X 5(19, 26)-S
	Ø 13	DUMPER 7X
	Ø 15	DUMPER 8X
Suction	Strainer	
Discharge Threaded (standard) [inch]	2 for	DUMPER 1X, 2X 51.5-S
	3 for	DUMPER 2X 5(2.2, 3)-S, 3X-(S, M)
	4 for	DUMPER 3X-L, 4X 512-S, 6X 519-S
	6 for	DUMPER 4X 512-M, 6X 519-M, 6X 526-S, 7X
	8 for	DUMPER 6X 526-M, 6X 537-M, 8X 555-M
	10 for	DUMPER 8X 555-S
Discharge Hose (Optional) [mm]	50 for	DUMPER 1X, 2X 51.5-S
	75 for	DUMPER 2X 5(2.2, 3)-S, 3X-(S, M)
	100 for	DUMPER 3X-L, 4X 512-S, 6X 519-S
	150 for	DUMPER 4X 512-M, 6X 519-M, 6X 526-S, 7X
	200 for	DUMPER 6X 526-M, 6X 537-M, 8X 555-M
	250 for	DUMPER 8X 555-S
Poles	2 and 4	
Insulation class	H	
Protection degree	IP68	
Voltage	Single phase	230V ± 6%
	Three phase	400V ± 6%

Accessories



Control panels

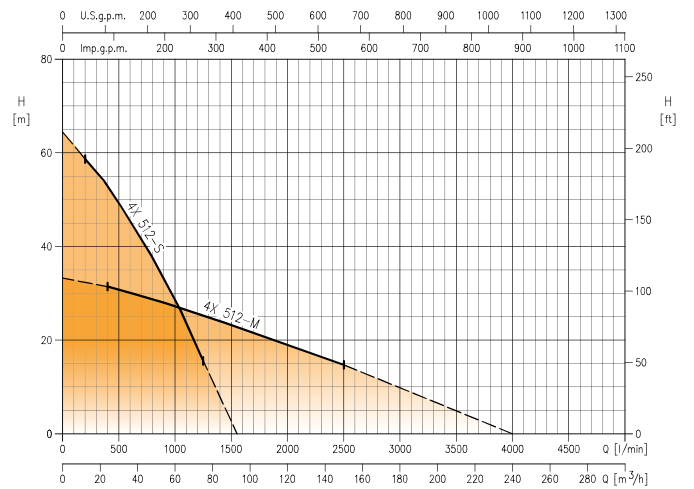
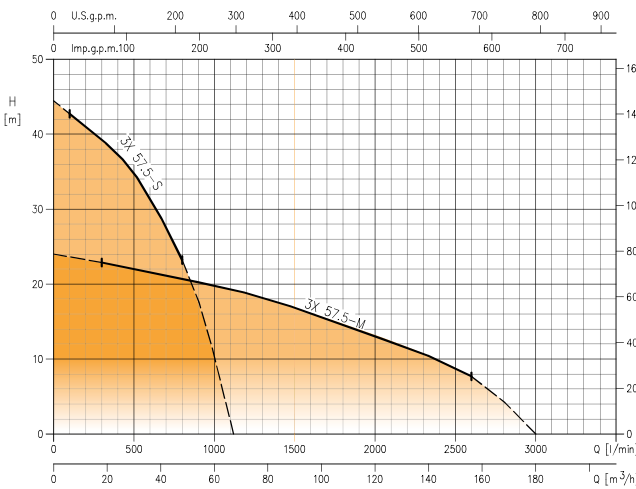
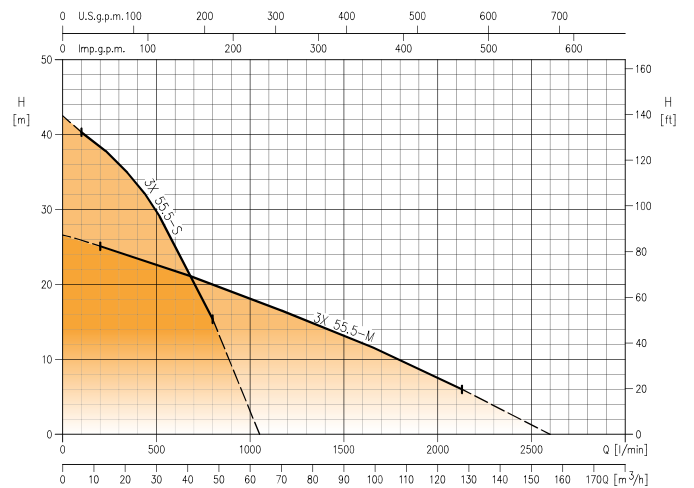
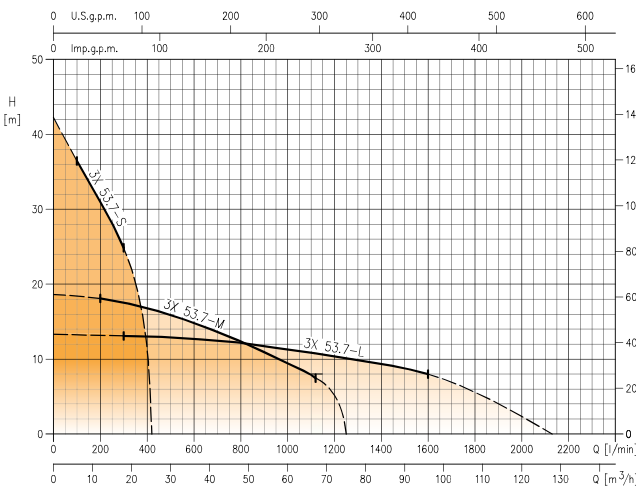
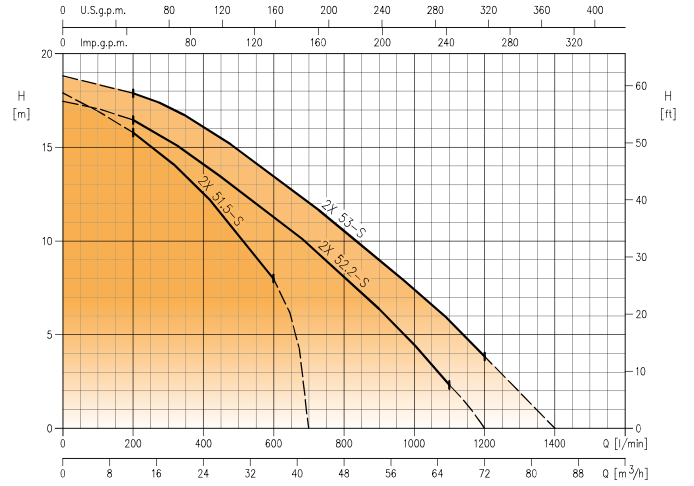
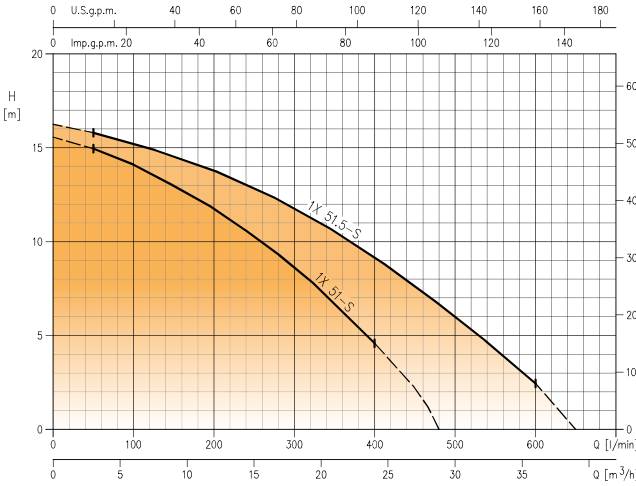
Page 367 - Control panels
QT1 - QS1 - SMART

DUMPER L

Dewatering pumps in AISI 316 stainless steel

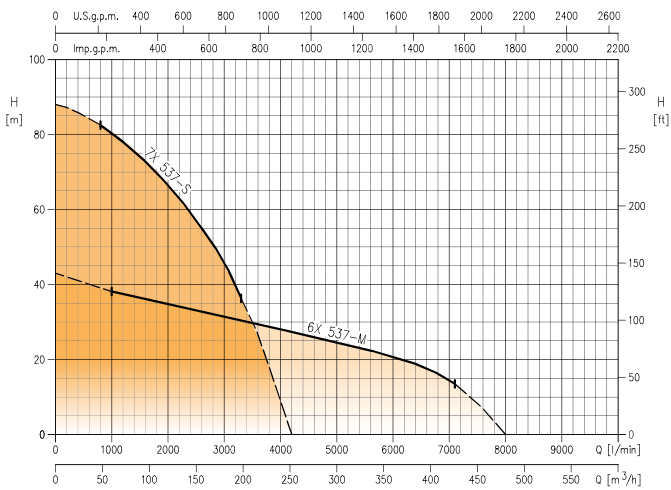
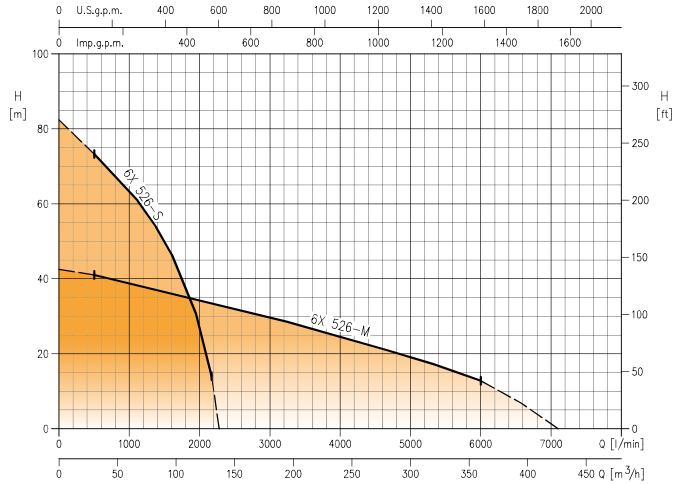
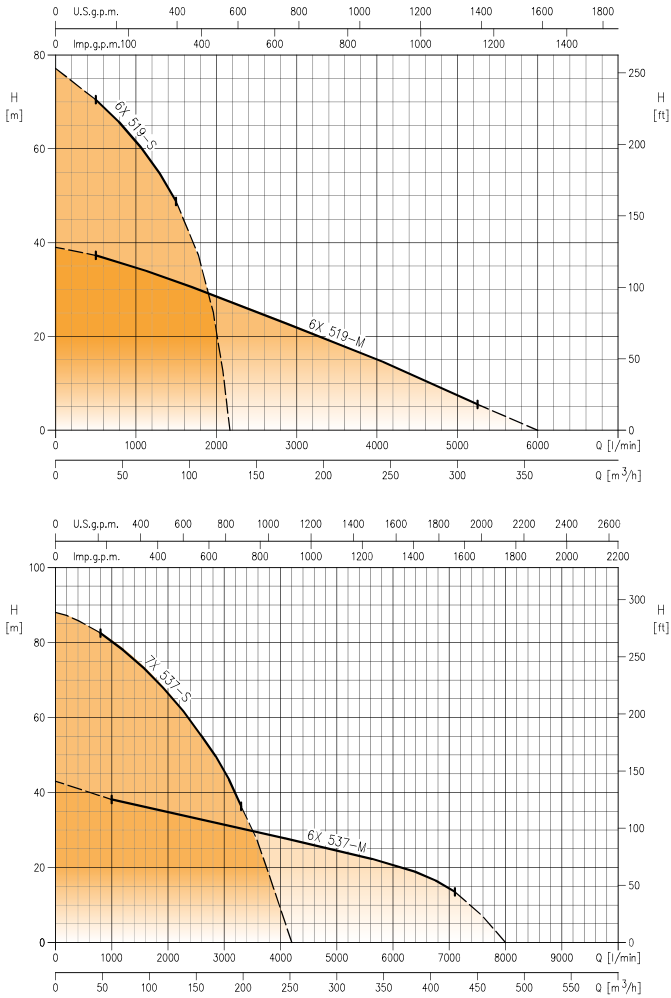


DUMPER L



DUMPER L

Dewatering pumps in AISI 316 stainless steel



DUMPER 1X Selection table

Model Three phase 400V	HP	kW	Q=Flow rate											
			H=Total head [m]											
			l/min	50	100	150	200	250	300	350	400	450	480	550
m³/h	3	6	9	12	15	18	21	24	27	28,8	33	36		
DUMPER 1X 51-S T	1,3	1	15	14,1	13	11,9	10,3	8,7	6,7	4,4	-	-	-	-
DUMPER 1X 51.5-S T	2	1,5	15,8	15,2	14,6	13,8	12,9	11,8	10,5	9,2	7,6	6,7	4,3	2,5

DUMPER 2X Selection table

Model Single phase 230V	Model Three phase 400V	HP	kW	Q=Flow rate											
				H=Total head [m]											
				l/min	200	300	400	500	600	700	800	900	1000	1100	1200
m³/h	12	18	24	30	36	42	48	54	60	66	72				
DUMPER 2X 51.5-S M-NC	-	2	1,5	15,8	14,3	12,6	10,4	8,0	-	-	-	-	-	-	
DUMPER 2X 52.2-S M-NC	DUMPER 2X 52.2-S T	3	2,2	16,5	15,4	14,1	12,8	11,4	9,8	8,1	6,4	4,5	2,3	-	
-	DUMPER 2X 53-S T	4	3	17,9	17,2	16,1	14,9	13,5	12,1	10,6	9,0	7,4	5,8	3,8	

DUMPER L

DUMPER L



Dewatering pumps in AISI 316 stainless steel

DUMPER 3X Selection table

Model Three phase 400V	HP	kW	Q=Flow rate													
			l/min	100	200	300	420	600	800	1050	1120	1150	1600	2130	2600	
			m ³ /h	6	12	18	25,2	36	48	63	67,2	69	96	127,8	156	
H=Total head [m]																
DUMPER 3X 53.7-S T	5	3,7		36,4	31	24,8	-	-	-	-	-	-	-	-	-	-
DUMPER 3X 53.7-M T	5	3,7		-	18,1	17,4	16,6	14,8	12,4	8,7	7,4	-	-	-	-	-
DUMPER 3X 53.7-L T	5	3,7		-	-	13,1	13,0	12,7	12,2	11,0	10,8	10,6	8,0	-	-	-
DUMPER 3X 55.5-S T	7,5	5,5		40,3	38,6	36,8	33,1	25,3	15,4	-	-	-	-	-	-	-
DUMPER 3X 55.5-M T	7,5	5,5		-	25,1	24,3	23,3	21,8	20,0	17,6	17,0	16,7	12,2	6,0	-	-
DUMPER 3X 57.5-S T	10	7,5		42,5	41,5	39,4	36,8	30,7	23,2	-	-	-	-	-	-	-
DUMPER 3X 57.5-M T	10	7,5		-	-	22,9	22,2	21,4	20,6	19,6	19,3	19,1	16,2	12,0	7,7	-

DUMPER 4X Selection table

Model Three phase 400V	HP	kW	Q=Flow rate												
			l/min	200	400	600	800	1000	1250	1600	2000	2500	3000	3500	
			m ³ /h	12	24	36	48	60	75	96	120	150	180	210	
H=Total head [m]															
DUMPER 4X 512-S T-SD	16	12		58,5	53	45	37,5	28,8	15,6	-	-	-	-	-	-
DUMPER 4X 512-M T-SD	16	12		-	31,4	30,1	28,7	27,3	25,2	22,8	18,8	14,7	10	4,7	-

DUMPER 6X Selection table

Model Three phase 400V	HP	kW	Q=Flow rate												
			l/min	500	1000	1500	2170	2280	3000	3750	4500	5250	6000	7100	
			m ³ /h	30	60	90	130,2	136,8	180	225	270	315	360	426	
H=Total head [m]															
DUMPER 6X 519-S T-SD	25	19		70,5	61,5	49	27	-	-	-	-	-	-	-	-
DUMPER 6X 519-M T-SD	25	19		37,3	33,4	30,6	27,1	26,5	21,8	17	11,2	5,5	-	-	-
DUMPER 6X 526-S T-SD	35	26		73,5	63,5	50	14	-	-	-	-	-	-	-	-
DUMPER 6X 526-M T-SD	35	26		41	38,5	35,8	32,2	31,6	28,3	25,1	21,7	17,7	12,8	-	-
DUMPER 6X 537-M T-SD	50	37		-	38,1	36	32,9	32,4	29,5	27,4	25,6	23,5	20,8	13,5	-

DUMPER 7X Selection table

Model Three phase 400V	HP	kW	Q=Flow rate											
			l/min	800	1200	1500	1800	2100	2400	2700	3000	3300		
			m ³ /h	48	72	90	108	126	144	162	180	198		
H=Total head [m]														
DUMPER 7X 537-S T-SD	50	37		82,5	78	74	69	64,5	58	52	47	36,3	-	-

DUMPER L



Dewatering pumps in AISI 316 stainless steel

Single phase 230V

Model	Code	HP	kW	Abs. Curr. [A] 230V	DNM	Weight [kg]
DUMPER 20L 52.2-S M-NC	1544500031A	3	2,2	19	G3	45,0

The pump is supplied without capacitor, float and control panel. For further informations please contact our sales network

Three phase 400V

Model	Code	HP	kW	Abs. Curr. [A] 400V	DNM	Weight [kg]
DUMPER 10L 51-S T	1544500025A	1,3	1	2,4	G2	21,0
DUMPER 10L 51.5-S T	1544500027A	2	1,5	3,9	G2	23,0
DUMPER 20L 52.2-S T	1544500030A	3	2,2	5,5	G3	37,0
DUMPER 30L 53.7-L T	1544500032A	5	3,7	8,1	G4	49,0
DUMPER 30L 53.7-M T	1544500033A	5	3,7	8,1	G3	47,0
DUMPER 30L 53.7-S T	1544500034A	5	3,7	8,1	G3	60,0
DUMPER 30L 55.5-M T	1544500035A	7,5	5,5	12,5	G4	62,0
DUMPER 30L 55.5-S T	1544500036A	7,5	5,5	12,5	G3	67,0
DUMPER 30L 57.5-M T	1544500037A	10	7,5	16	G4	72,0
DUMPER 30L 57.5-S T	1544500038A	10	7,5	16	G3	73,0
DUMPER 40L 512-M T	1544500039A	16	12	24	G6	132,0
DUMPER 40L 512-S T	1544500040A	16	12	24	G4	147,0
DUMPER 60L 519-M T	1544500041A	25	19	39	G6	205,0
DUMPER 60L 519-S T	1544500042A	25	19	39	G4	210,0
DUMPER 60L 526-M T	1544500043A	35	26	51	G8	255,0
DUMPER 60L 526-S T	1544500044A	35	26	51	G6	260,0
DUMPER 60L 537-M T	1544500045A	50	37	64	G8	275,0
DUMPER 70L 537-S T	1544500046A	50	37	64	G6	410,0

DOL start for models up to 7,5kW, SD start for models from 12kW and above

D-TANK



Wastewater collection tanks

Wastewater collection tanks with sturdy construction, easy installation and equipped with rapid flow elbow. Tank made of polyethylene, capacity 100, 200 and 600 liters, inclusive of cover with expanded EPDM seal and AISI 304 stainless steel nuts and bolts. Available in the basic version and in the equipped version "E".



Easy to install



Sturdy hydraulic frame



Equipped with rapid passage bend

Technical data

Input	DN 110 with gasket
Output	DN 50 with gasket (D-TANK 100) DN 63 with gasket (D-TANK 200 and 600)
Power supply	3 cable glands M20 + 2 closure caps (D-TANK 100) 4 cable glands M20 + 3 closure caps (D-TANK 200) 6 cable glands M20 + 4 closure caps (D-TANK 600)

Accessories



D-TANK accessories

 Page 381 - **Kit**

Plate for D-TANK 600E
Flange D-TANK/DRS
Adaptor for D-TANK
Discharge kit for D-TANK 100

Materials

Tank	Polyethylene
------	--------------

Available versions



D-TANK 100 (base version)

100 litres tank with gaskets and cable glands

D-TANK 100E for E version

100 litres tank (discharge pipe in PVC Ø1½" x 50 mm, 2 collars for floats' cables, vertical outlet with elbow)

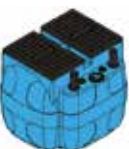


D-TANK 200 (base version)

200 litres tank (discharge pipe in PVC Ø 2" x 63 mm, 2 collars for floats' cables vertical outlet with elbow)

D-TANK 200E for E version

200 litres tank + pre-installed rapid coupling kit with guide pipes (discharge pipe in PVC Ø 2" per 63 mm, 2 collars for floats' cables, vertical outlet with elbow, plate on floor for weight up to 40 kg)



D-TANK 600 (base version)

600 litres tank (discharge pipe in PVC Ø 2" x 63 mm, 3 collars for floats' cables vertical outlet with elbow)

D-TANK 600E for E version

600 litres tank + pre-installed rapid coupling kit with guide pipes (discharge pipe in PVC Ø 2" per 63 mm, 3 collars for floats' cables, vertical outlet with elbow, plate on floor for weight up to 40 kg)

D-TANK



Wastewater collection tanks

Model	Code	Weight [kg]	Dimensions [mm]
D-TANK 100	365800714	9,2	525x440x625
D-TANK 100 E	365800715	9,5	525x440x625
D-TANK 200	365800701	13,0	490x710x785
D-TANK 200 E	365800702A	23,0	490x710x785
D-TANK 600	365800703	33,0	925x870x1135
D-TANK 600 E	365800704A	53,0	925x870x1135

BEST BOX



Lift stations

Lifting stations characterized by robust, easy installation, available with or without an electric pump. Ideal for home water lifting and bathroom (sink, dishwasher, washing machine) (BEST BOX L), especially suitable for shower water, does not need to be entrapped thanks to the 90 mm bottom bath a non-return device (BEST BOX D), Raising rainwater, washing areas, garage descent, and so on. (BEST BOX G)



Easy to install



Sturdy hydraulic frame



Available with or without pumps

Technical data

Tank capacity: 30 litres

Pump (selected models)

Cable 5 metre + standardised plug

Max. temperature of the liquid 50°C

Poles 2

Insulation class F

Protection rating IP68

Maximum solid passage
10 mm BEST ONE
20 mm BEST ONE VOX

Voltage Single phase 230V ± 10%

Materials

Tank High density polyethylene

Accessories



Floats

Page 379 - Key floats with counterweight

Versions

BEST BOX L

Tank 30 liter in polyethylene, lifting water for domestic and bathroom use, (sink, dishwasher, washing machine)

BEST BOX L

Tank 30 liter in polyethylene, with BEST ONE single phase pump, with discharge pipe 1" arranged for receipt of water from above

BEST BOX D

Tank 30 liter in polyethylene, especially suitable for shower water, does not have to be buried thanks to the tank inlet positioned at 90 mm from the bottom and a non-return device

BEST BOX D

Tank 30 liter in polyethylene, with BEST ONE single phase pump, with discharge pipe 1 1/4" arranged for receipt of water from the bottom

BEST BOX G

Tank 30 liter in polyethylene, lifting rainwater, from washing areas, garage ramps etc.

BEST BOX G

Tank 30 liter in polyethylene, with BEST ONE VOX single phase pump, with discharge pipe 1 1/4"

BEST BOX



Lift stations

Without pump - Single phase 230V

Model	Code	HP	kW	Q=Flow rate						Abs. Curr. [A] 230V	Weight [kg]	Dimensions [mm]	
				l/min	20	40	80	120	160				170
				m ³ /h	1,2	2,4	4,8	7,2	9,6				10,2
H=Total head [m]													
BEST BOX L	1540050003	-	-								-	7,0	270x405x360
BEST BOX D	1540050004	-	-								-	7,0	270x405x360
BEST BOX G	1540050005	-	-								-	10,0	375x510x470

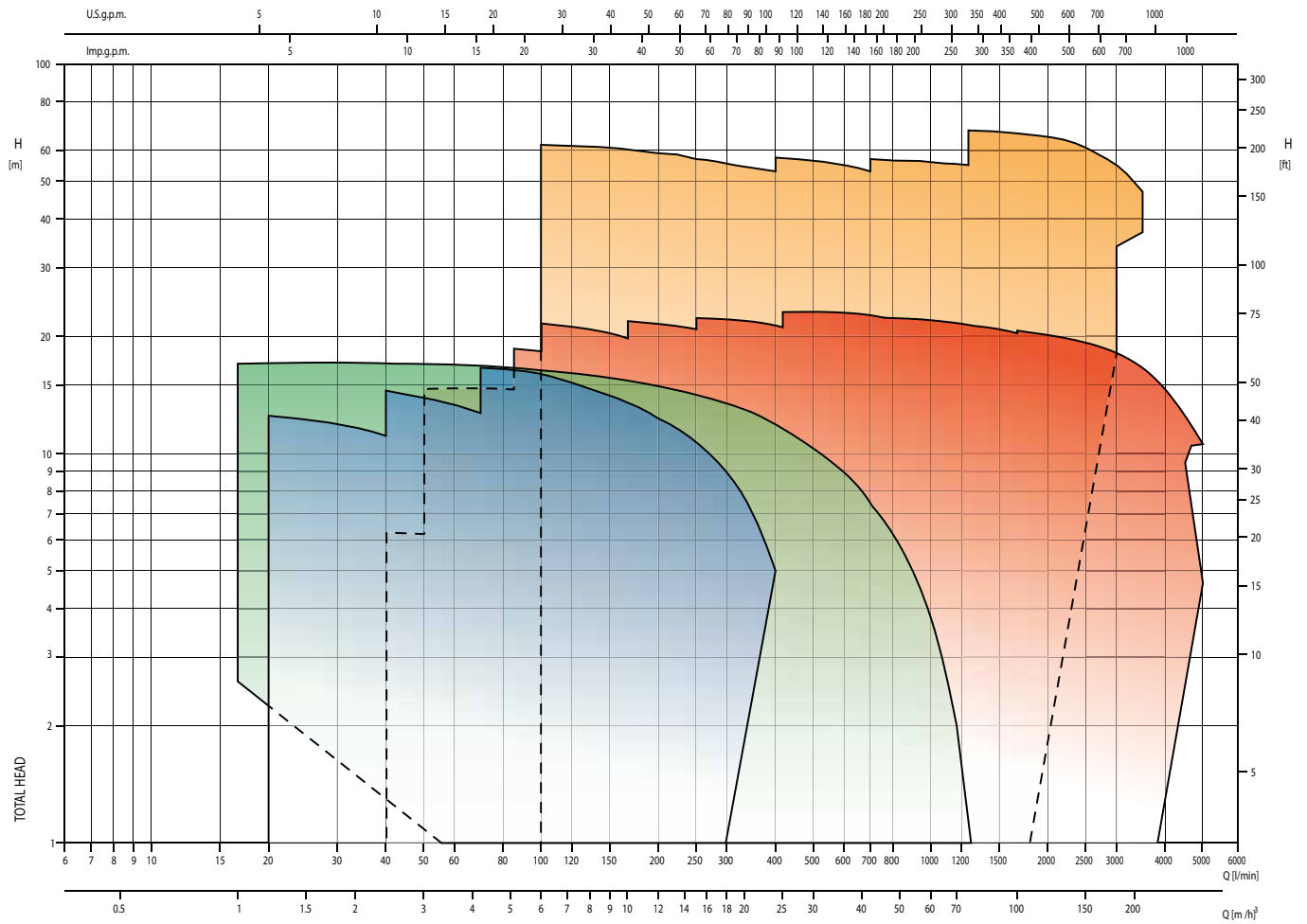
With pump - Single phase 230V

Model	Code	HP	kW	Q=Flow rate						Abs. Curr. [A] 230V	Weight [kg]	Dimensions [mm]	
				l/min	20	40	80	120	160				170
				m ³ /h	1,2	2,4	4,8	7,2	9,6				10,2
H=Total head [m]													
BEST BOX L	1540050001	0,33	0,25		8,3	7,8	6,3	4,5	2,4	1,8	2,3	12,0	270x405x360
BEST BOX D	1540050002	0,33	0,25		8,3	7,8	6,3	4,5	2,4	1,8	2,3	12,0	270x405x360
BEST BOX G	1540050000	0,33	0,25		6,0	5,6	4,8	3,5	2,0	1,5	2,2	15,0	375x510x470

Circulators and In-line

Model	Pump body	Impeller material	Liquid temperature
Ego	Cast iron	Technopolymer	+5°C ÷ +95°C
Ego easy	Cast iron	Technopolymer	+2°C ÷ +110°C
Ego slim	Cast iron	Technopolymer	-10°C ÷ +110°C
Ego C	Cast iron	AISI 304	+2°C ÷ +110°C
Ego B	Bronze	Technopolymer/AISI 304 ¹	+5°C ÷ +65°C
MR B	Bronze	Noryl/Aisi 304	-10°C ÷ +65°C
LPS	AISI 304	AISI 304	-10°C ÷ +100°C
LPC - LPCD	Cast iron	Cast iron	-10°C ÷ +110°C

¹ Technopolymer for threaded and easy - AISI 304 for the rest of the range



CIRCULATORS
IN-LINE



Ego

Single and twin threaded electronic circulators in cast iron

292

Ego easy

Single and twin threaded/flanged electronic circulators in cast iron

295

Ego slim

Single and twin flanged electronic circulators in cast iron

298

Ego C

Single and twin flanged electronic circulators in cast iron

301

Ego B

Single threaded/flanged electronic circulators for sanitary water in bronze

304

MR B

Single circulators for sanitary water in bronze

307

LPS

In-line centrifugal pumps in AISI 304 stainless steel

309

LPC - LPCD

Single and twin in-line centrifugal pumps in-line in cast iron

312

LPC - LPCD with E-drive

Single and twin centrifugal in-line pumps in cast iron with variable frequency drive

322

Ego



Single and twin threaded electronic circulators in cast iron

Electronically-controlled circulators with permanent magnet rotors. Ego circulators differ from standard, fixed-speed pumps due to their capability for continuous adjustment based on the actual demands of the system; this feature allows you to make considerable savings in electricity, as well as guarantee reduced noise levels. Suitable for hot and cold water circulation in general, air-conditioning plants, industrial, domestic and central heating systems, constant and variable flow systems where work point optimization is required.



ER version with integrated 0-10V control available on request



AISI 316
AISI 316 rotor shirt without welding points



Bronze
Bronze version for sanitary water available



Practical
and easy to use



High
efficiency

Materials

Pump body	Cast iron with cataphoresis coating
Impeller	Technopolymer
Shaft	Ceramic
Rotor can	AISI 316 stainless steel

Technical data

Max. pressure	10 bar
Liquid temperature	+5°C ÷ +95°C
Ambient temperature	0°C ÷ +40°C
Max. glycol quantity	20%
Min. suction pressure	- 0,05 bar at 50°C - 0,4 bar at 80°C - 1,1 bar at 110°C
Insulation class	F
Protection degree	IP44
Voltage	Single phase 230V

Accessories



Counterflanges kit
Page 389 - Galvanized counterflanges kit



Blind flanges
Page 389 - Blind flange for Ego TC



Nozzles
Page 390 - Cast iron/steel/brass nozzles
Pair of nozzles and related fittings

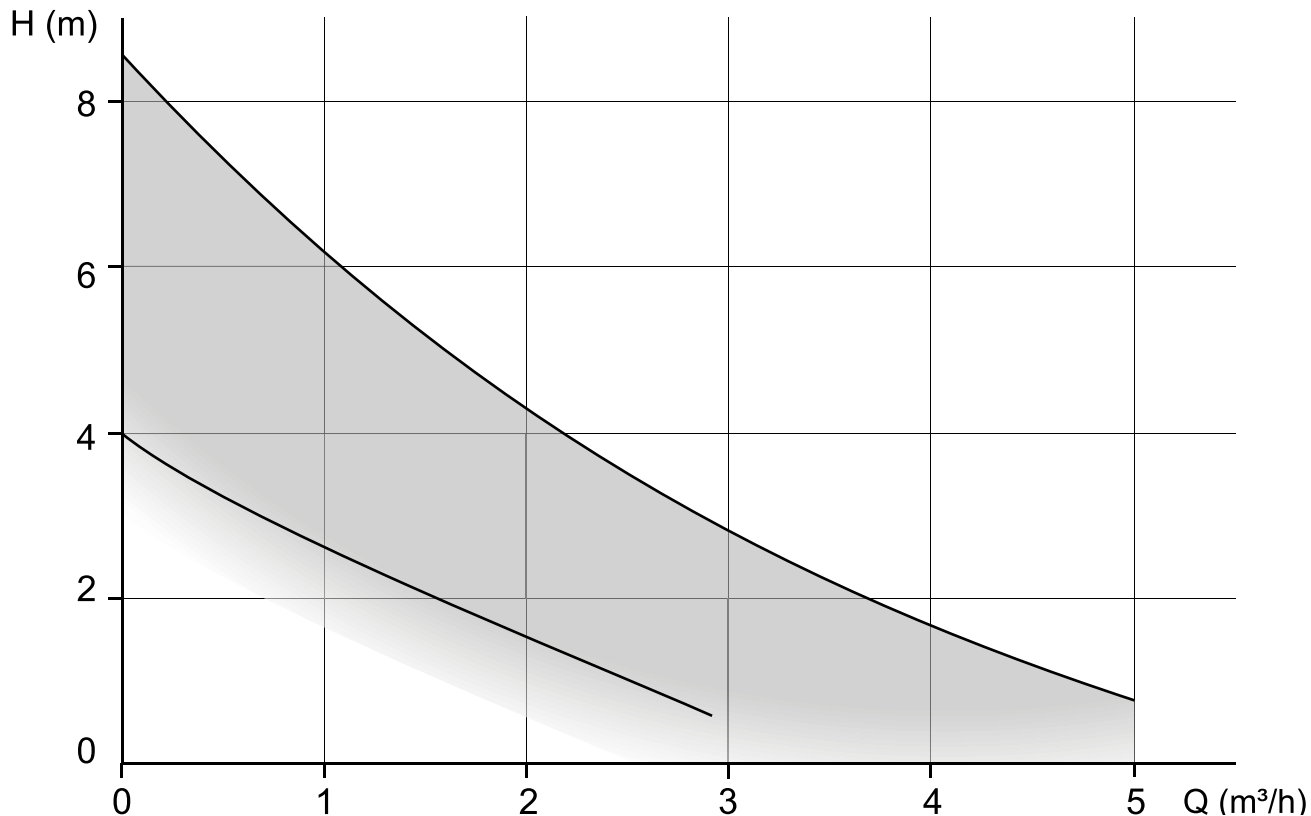


Insulation casing
Page 380 - Insulation casing

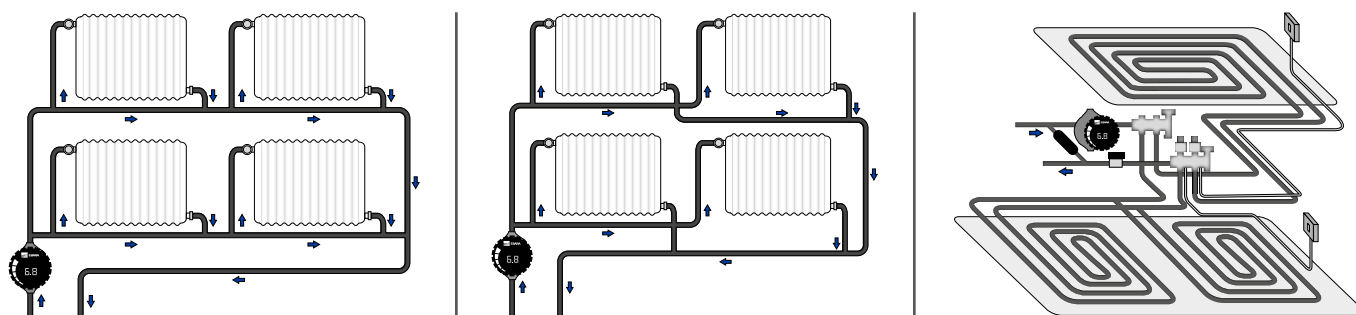
Ego



Single and twin threaded electronic circulators in cast iron



Applications



Heating systems

The pumps are suitable for single-pipe systems, two-pipes systems, underfloor heating systems and mixing loops of great installations. All Ego circulators control differential pressure automatically and autonomously, adjusting pumps performances in accordance to heating requirements.

Air-conditioning systems

Please refer to the minimum allowed temperatures of every product range to see how to use the Ego pumps. Some models are suitable for circulation at temperatures below 0°C (they are, therefore, particularly recommended for air-conditioning and/or refrigeration systems).

Ego



Single and twin threaded electronic circulators in cast iron

Selection table

Model	Q=Flow rate											
	l/min	8,3	16,7	25	33,3	41,7	50	58,3	66,7	75	83,3	91,7
	m ³ /h	0,5	1	1,5	2	2,5	3	3,5	4	4,5	5	5,5
H=Total head [m]												
Ego 15/40-130		3,9	3,0	2,2	1,4	0,5	-	-	-	-	-	-
Ego 25/40-130		3,9	2,8	2,1	1,5	0,9	-	-	-	-	-	-
Ego 15/60-130		5,8	4,6	3,5	2,2	1,2	0,5	-	-	-	-	-
Ego 25/60-130		5,8	4,6	3,5	2,7	2,0	1,2	0,5	-	-	-	-
Ego 25/80-130		7,8	6,9	5,4	4,2	3,4	2,6	1,9	1,0	-	-	-
Ego 25/40-180		3,9	2,8	2,1	1,5	0,9	-	-	-	-	-	-
Ego 32/40-180		3,5	2,8	2,2	1,7	1,3	0,9	0,4	0,1	-	-	-
Ego 25/60-180		5,8	4,6	3,5	2,7	2,0	1,2	0,5	-	-	-	-
Ego 32/60-180		5,7	4,5	3,6	3,0	2,5	1,7	1,3	0,9	0,5	-	-
Ego 25/80-180		7,8	6,9	5,4	4,2	3,4	2,6	1,9	1,0	-	-	-
Ego 32/80-180		7,8	6,8	5,6	4,8	4,0	3,2	2,6	1,9	1,3	0,8	0,2
Ego T 25/60-180		5,8	4,6	3,5	2,7	2,0	1,2	0,5	-	-	-	-
Ego T 32/60-180		5,7	4,5	3,6	3,0	2,5	1,7	1,3	0,9	0,5	-	-
Ego T 25/80-180		7,8	6,9	5,4	4,2	3,4	2,6	1,9	1,0	-	-	-
Ego T 32/80-180		7,8	6,8	5,6	4,8	4,0	3,2	2,6	1,9	1,3	0,8	0,2

Single version - Single phase 230V

Model	Code	P ₁ max [W]	I max [A] 1~ 230V	EEI (energy efficiency index)	Interaxle spacing [mm]	Connections	Weight [kg]
Ego 15/40-130	1576000000	25	0,2	≤ 0,15	130	G1	1,9
Ego 25/40-130	1576000001	25	0,2	≤ 0,15	130	G1½	2,1
Ego 15/60-130	1576000002	50	0,4	≤ 0,17	130	G1	1,9
Ego 25/60-130	1576000003	50	0,4	≤ 0,17	130	G1½	2,1
Ego 25/80-130	1576000004	75	0,6	≤ 0,19	130	G1½	2,1
Ego 25/40-180	1576000005	25	0,2	≤ 0,15	180	G1½	2,4
Ego 32/40-180	1576000006	25	0,2	≤ 0,15	180	G2	2,5
Ego 25/60-180	1576000007	50	0,4	≤ 0,17	180	G1½	2,4
Ego 32/60-180	1576000008	50	0,4	≤ 0,17	180	G2	2,5
Ego 25/80-180	1576000009	75	0,6	≤ 0,19	180	G1½	2,4
Ego 32/80-180	1576000010	75	0,6	≤ 0,19	180	G2	2,5

Twin version - Single phase 230V

Model	Code	P ₁ max [W]	I max [A] 1~ 230V	EEI (energy efficiency index)	Interaxle spacing [mm]	Connections	Weight [kg]
Ego T 25/60-180	1576000071	50	0,4	≤ 0,17	180	G1½	5,6
Ego T 32/60-180	1576000072	50	0,4	≤ 0,17	180	G2	5,8
Ego T 25/80-180	1576000069	75	0,6	≤ 0,19	180	G1½	5,6
Ego T 32/80-180	1576000070	75	0,6	≤ 0,19	180	G2	5,8


Ego easy





Single and twin threaded/flanged electronic circulators in cast iron


Electronically-controlled circulators with permanent magnet rotors. Ego circulators differ from standard, fixed-speed pumps due to their capability for continuous adjustment based on the actual demands of the system; this feature allows you to make considerable savings in electricity, as well as guarantee reduced noise levels. Suitable for hot and cold water circulation in general, air-conditioning plants, industrial, domestic and central heating systems, constant and variable flow systems where work point optimization is required.



- 

AISI 316
AISI 316 rotor shirt without welding points
- 

Bronze version for sanitary water available
- 

Practical and easy to use
- 

High efficiency


Materials


Pump body	Cast iron with cataphoresis coating
Impeller	Technopolymer
Shaft	AISI 316 stainless steel
Rotor can	AISI 316 stainless steel


Technical data


Max. pressure	10 bar
Liquid temperature	+2°C ÷ +110°C
Ambient temperature	0°C ÷ +40°C
Min. suction pressure	- 0,05 bar at 50°C - 0,8 bar at 80°C - 1,4 bar at 110°C
Insulation class:	F
Protection degree:	IP44
Voltage	Single phase 230V


Accessories

- 

Counterflanges kit
Page 389 - **Galvanized counterflanges kit**
- 

Blind flanges
Page 389 - **Blind flange for Ego TC**
- 

Nozzles
Page 390 - **Cast iron/steel/brass nozzles**
Pair of nozzles and related fittings
- 

Communication module
Page 389 - **Communication C Module**
- 

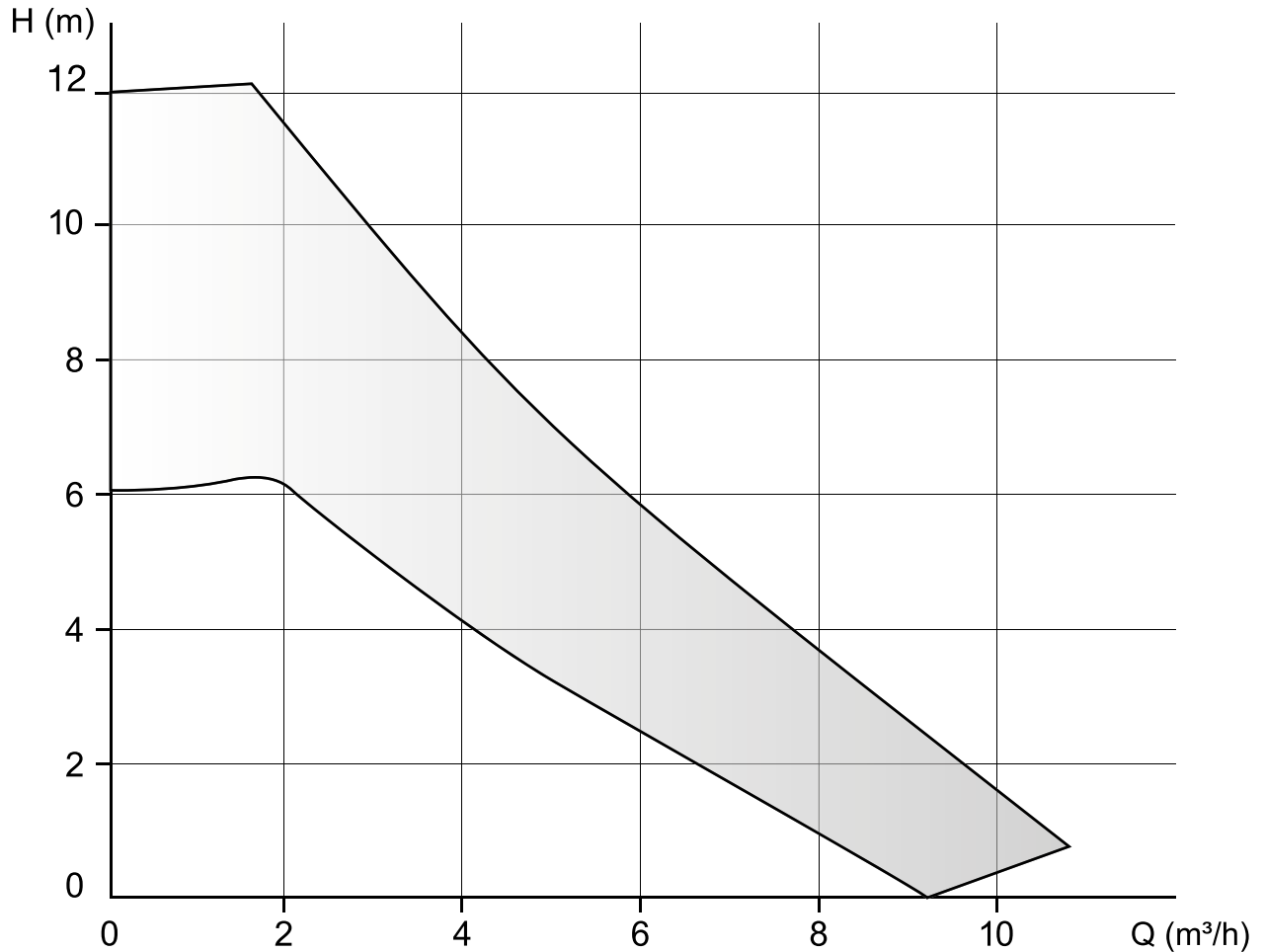
Insulation casing
Page 380 - **Insulation casing**

Ego easy

Ego easy



Single and twin threaded/flanged electronic circulators in cast iron



Selection table

Model	Q=Flow rate										
	l/min	16,7	33,3	50	66,7	83,3	100	116,7	133,3	150	166,7
	m³/h	1	2	3	4	5	6	7	8	9	10
H=Total head [m]											
Ego easy 25-60		6,0	6,0	5,0	4,0	3,3	2,3	1,7	1,0	0,2	-
Ego easy 32-60		6,0	6,0	5,0	4,0	3,3	2,3	1,7	1,0	0,2	-
Ego easy 25-80		8,2	8,5	7,5	6,5	5,4	4,4	3,4	2,4	1,5	0,4
Ego easy 32-80		8,2	8,5	7,5	6,5	5,4	4,4	3,4	2,4	1,5	0,4
Ego easy 25-100		10,0	9,7	8,8	7,8	6,7	5,6	4,5	3,5	2,4	1,4
Ego easy 32-100		10,0	9,7	8,8	7,8	6,7	5,6	4,5	3,5	2,4	1,4
Ego easy 25-120		12,1	11,5	10,0	8,6	7,3	6,0	4,8	3,7	2,5	1,4
Ego easy 32-120		12,1	11,5	10,0	8,6	7,3	6,0	4,8	3,7	2,5	1,4
Ego easy 32-100F		10,0	9,7	8,8	7,8	6,7	5,6	4,5	3,5	2,4	1,4
Ego easy 40-60F		6,0	6,0	5,0	4,0	3,3	2,3	1,7	1,0	0,2	-
Ego easy 40-100F		10,0	9,7	8,8	7,8	6,7	5,6	4,5	3,5	2,4	1,4
Ego easy 50-100F		10,0	9,7	8,8	7,8	6,7	5,6	4,5	3,5	2,4	1,4
Ego TC easy 32-60		6,0	6,0	5,0	4,0	3,3	2,3	1,7	1,0	0,2	-
Ego TC easy 32-80		8,2	8,5	7,5	6,5	5,4	4,4	3,4	2,4	1,5	0,4
Ego TC easy 32-100		10,0	9,7	8,8	7,8	6,7	5,6	4,5	3,5	2,4	1,4
Ego TC easy 40-100F		10,0	9,7	8,8	7,8	6,7	5,6	4,5	3,5	2,4	1,4

Ego easy



Single and twin threaded/flanged electronic circulators in cast iron

Single version - Single phase 230V

Model	Code	P ₁ max [W]	I max [A] 1~ 230V	EEl (energy efficiency index)	Interaxle spacing [mm]	Connections	Weight [kg]
Ego easy 25-60	1576000063	90	0,75	≤ 0,21	180	G1½	4,0
Ego easy 32-60	1576000064	90	0,75	≤ 0,21	180	G2	4,1
Ego easy 25-80	1576000061	140	1,15	≤ 0,21	180	G1½	4,0
Ego easy 32-80	1576000062	140	1,15	≤ 0,21	180	G2	4,1
Ego easy 25-100	1576000011	180	1,5	≤ 0,21	180	G1½	3,3
Ego easy 32-100	1576000012	180	1,5	≤ 0,21	180	G2	3,4
Ego easy 25-120	1576000092	180	1,5	≤ 0,22	180	G1½	3,2
Ego easy 32-120	1576000093	180	1,5	≤ 0,22	180	G2	3,5
Ego easy 32-100F	1576000013	180	1,5	≤ 0,21	220	DN32	6,4
Ego easy 40-60F	1576000138	90	0,75	≤ 0,21	220	DN40	11,0
Ego easy 40-100F	1576000014	180	1,5	≤ 0,21	220	DN40	7,5
Ego easy 50-100F	1576000016	180	1,5	≤ 0,21	240	DN50	8,8

Twin version - Single phase 230V

Model	Code	P ₁ max [W]	I max [A] 1~ 230V	EEl (energy efficiency index)	Interaxle spacing [mm]	Connections	Weight [kg]
Ego TC easy 32-60	1576000088	90	0,75	≤ 0,21	180	G2	9,5
Ego TC easy 32-80	1576000089	140	1,15	≤ 0,21	180	G2	9,5
Ego TC easy 32-100	1576000091	180	1,5	≤ 0,21	180	G2	12,3
Ego TC easy 40-100F	1576000090	180	1,45	≤ 0,21	220	DN40	12,3

Ego slim



Single and twin flanged electronic circulators in cast iron

Electronically-controlled circulators with permanent magnet rotors. Ego circulators differ from standard, fixed-speed pumps due to their capability for continuous adjustment based on the actual demands of the system; this feature allows you to make considerable savings in electricity, as well as guarantee reduced noise levels. Suitable for hot and cold water circulation in general, air-conditioning plants, industrial, domestic and central heating systems, constant and variable flow systems where work point optimization is required.



AISI 316
AISI 316 rotor shirt without welding points



Bronze
Bronze version for sanitary water available



Practical
Practical and easy to use



High efficiency

Materials

Pump body	Cast iron with cathaphoresis coating
Impeller	Technopolymer
Shaft	AISI 316 stainless steel
Rotor can	AISI 316 stainless steel

Technical data

Max. pressure 10 bar

Liquid temperature -10 ÷ +110°C

Ambient temperature 0 ÷ +40°C

Min. suction pressure
- 0,05 bar at 50°C
- 0,8 bar at 80°C
- 1,4 bar at 110°C

Insulation class: F

Protection degree: IP44

Voltage Single phase 230V

Accessories



Counterflanges kit

Page 389 - **Galvanized counterflanges kit**



Blind flanges

Page 389 - **Blind flange for Ego TC**



Nozzles

Page 390 - **Cast iron/steel/brass nozzles**
Pair of nozzles and related fittings



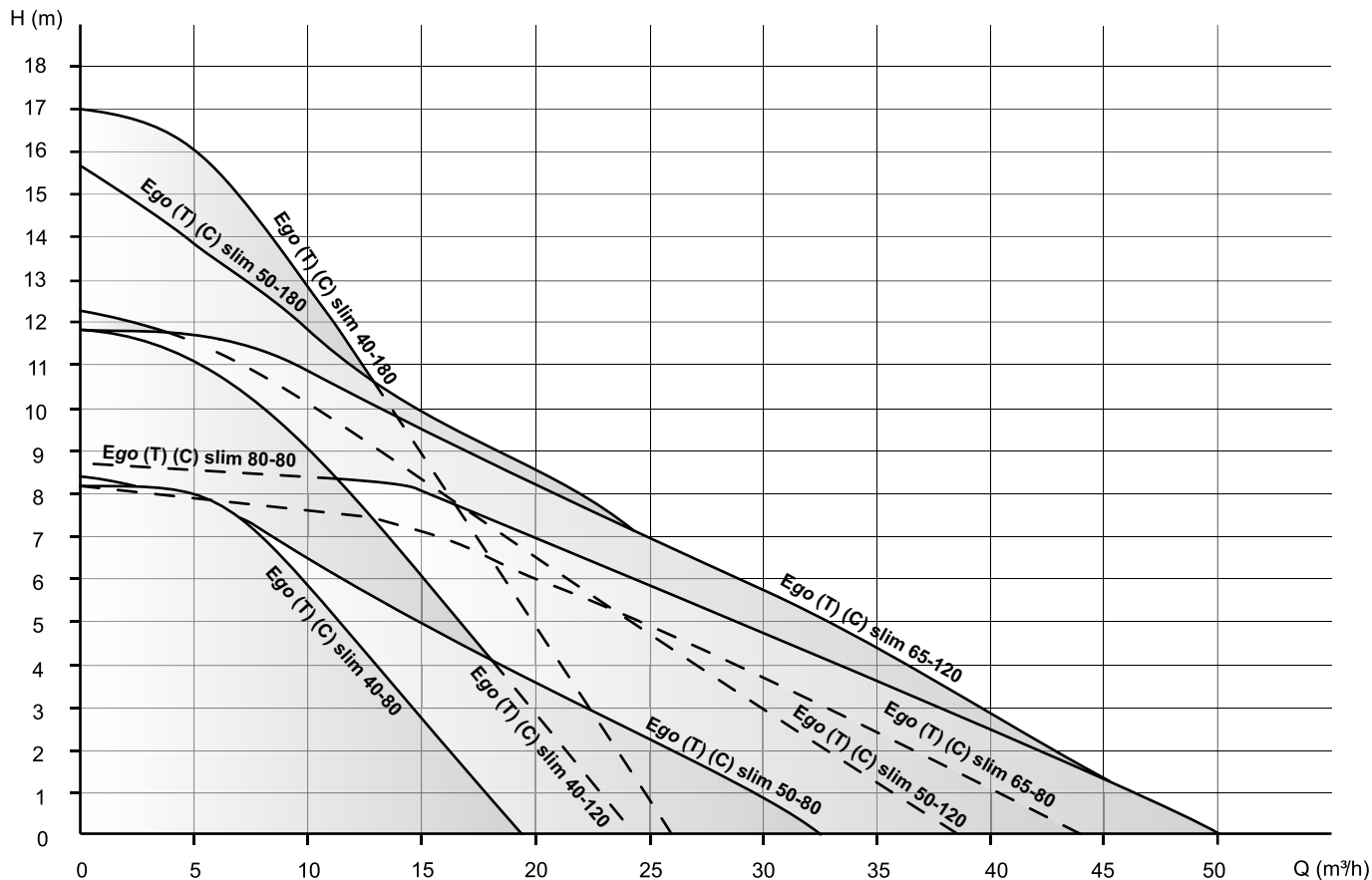
Communication module

Page 389 - **Communication C Module**

Ego slim



Single and twin flanged electronic circulators in cast iron



Selection table

Model	Q=Flow rate												
	l/min	41,7	83,3	166,7	250	333,3	416,7	500	583,3	666,7	700	783,3	
	m³/h	2,50	5,00	10,00	15,00	20,00	25,00	30,00	35,00	40,00	42,00	47,00	
		H=Total head [m]											
Ego slim 40-80/220		8,3	8,0	5,8	2,7	-	-	-	-	-	-	-	
Ego slim 40-80/250		8,3	8,0	5,8	2,7	-	-	-	-	-	-	-	
Ego slim 40-120		11,6	11,2	10,0	6,5	2,7	-	-	-	-	-	-	
Ego slim 40-180		16,9	16,0	13,0	9,0	5,0	0,5	-	-	-	-	-	
Ego slim 50-80		8,1	7,8	6,4	5,0	3,6	2,2	0,8	-	-	-	-	
Ego slim 50-120		12,0	11,4	9,5	7,9	6,0	4,4	3,0	1,1	-	-	-	
Ego slim 50-180		15,0	14,0	12,0	10,0	8,7	7,0	4,9	2,8	1,1	0,3	-	
Ego slim 65-80		8,0	7,8	7,8	7,0	6,0	5,0	3,6	2,5	1,0	0,6	-	
Ego slim 65-120		11,9	11,7	10,9	9,5	8,3	7,0	5,7	4,3	3,0	1,2	0,5	
Ego slim 80-80		8,5	8,5	8,3	8,0	7,0	6,0	4,8	3,7	2,5	1,3	0,8	
Ego TC slim 40-80/220		8,3	8,0	5,8	2,7	-	-	-	-	-	-	-	
Ego TC slim 40-80/250		8,3	8,0	5,8	2,7	-	-	-	-	-	-	-	
Ego TC slim 40-120		11,6	11,2	10,0	6,5	2,7	-	-	-	-	-	-	
Ego TC slim 40-180		16,9	16,0	13,0	9,0	5,0	0,5	-	-	-	-	-	
Ego TC slim 50-80		8,1	7,8	6,4	5,0	3,6	2,2	0,8	-	-	-	-	
Ego TC slim 50-120		12,0	11,4	9,5	7,9	6,0	4,4	3,0	1,1	-	-	-	
Ego TC slim 50-180		15,0	14,0	12,0	10,0	8,7	7,0	4,9	2,8	1,1	0,3	-	
Ego TC slim 65-80		8,0	7,8	7,8	7,0	6,0	5,0	3,6	2,5	1,0	0,6	-	
Ego TC slim 65-120		11,9	11,7	10,9	9,5	8,3	7,0	5,7	4,3	3,0	1,2	0,5	
Ego TC slim 80-80		8,5	8,5	8,3	8,0	7,0	6,0	4,8	3,7	2,5	1,3	0,8	

Ego slim

Ego slim



Single and twin flanged electronic circulators in cast iron

Single version - Single phase 230V

Model	Code	P ₁ max [W]	I max [A] 1~ 230V	EEI (energy efficiency index)	Interaxle spacing [mm]	Connections	Weight [kg]
Ego slim 40-80/220	1576000120	270	1,2	≤0,21	220	DN40	9,6
Ego slim 40-80/250	1576000136	270	1,2	≤0,21	250	DN40	9,6
Ego slim 40-120	1576000015A	480	2,3	≤0,21	250	DN40	12,5
Ego slim 40-180	1576000121	680	2,9	≤0,23	250	DN40	13,5
Ego slim 50-80	1576000122	370	1,7	≤0,22	280	DN50	12,5
Ego slim 50-120	1576000017A	560	2,5	≤0,21	280	DN50	16,0
Ego slim 50-180	1576000123	800	3,7	≤0,20	280	DN50	16,0
Ego slim 65-80	1576000124	560	2,5	≤0,22	340	DN65	16,4
Ego slim 65-120	1576000125	800	3,7	≤0,20	340	DN65	19,3
Ego slim 80-80	1576000126	800	3,7	≤0,20	360	DN80	26,0

Twin version - Single phase 230V

Model	Code	P ₁ max [W]	I max [A] 1~ 230V	EEI (energy efficiency index)	Interaxle spacing [mm]	Connections	Weight [kg]
Ego TC slim 40-80/220	1576000137	480	2,3	≤0,21	250	DN40	23
Ego TC slim 40-80/250	1576000127	680	2,9	≤0,21	250	DN40	25,5
Ego TC slim 40-120	1576000021A	370	1,7	≤0,21	280	DN40	23
Ego TC slim 40-180	1576000128	560	2,5	≤0,23	280	DN40	33
Ego TC slim 50-80	1576000129	800	3,7	≤0,22	280	DN50	35
Ego TC slim 50-120	1576000022A	560	2,5	≤0,21	340	DN50	33
Ego TC slim 50-180	1576000130	800	3,7	≤0,20	340	DN50	41
Ego TC slim 65-80	1576000131	1500	6,7	≤0,22	340	DN65	73
Ego TC slim 65-120	1576000132	800	3,7	≤0,20	360	DN65	47
Ego TC slim 80-80	1576000133	1600	7,3	≤0,20	360	DN80	76

Ego C



Single and twin flanged electronic circulators in cast iron

Electronically-controlled circulators with permanent magnet rotors. Ego circulators differ from standard, fixed-speed pumps due to their capability for continuous adjustment based on the actual demands of the system; this feature allows you to make considerable savings in electricity, as well as guarantee reduced noise levels. Suitable for hot and cold water circulation in general, air-conditioning plants, industrial, domestic and central heating systems, constant and variable flow systems where work point optimization is required.



AISI 316
AISI 316 rotor
shirt without
welding points



Bronze
version for
sanitary water
available



Practical
and easy
to use



High
efficiency

Materials

Pump body	Cast iron with cataphoresis coating
Impeller	AISI 304 stainless steel
Shaft	AISI 316 stainless steel
Rotor can	AISI 316 stainless steel

Technical data

Max. pressure	10 bar
Liquid temperature	+2 ÷ +110°C
Ambient temperature	0 ÷ +40°C
Min. suction pressure	- 0,05 bar at 50°C - 0,8 bar at 80°C - 1,4 bar at 110°C
Insulation class:	F
Protection degree:	IP44
Voltage	Single phase 230V

Accessories



Counterflanges kit

Page 389 - Galvanized counterflanges kit



Blind flanges

Page 389 - Blind flange for Ego TC



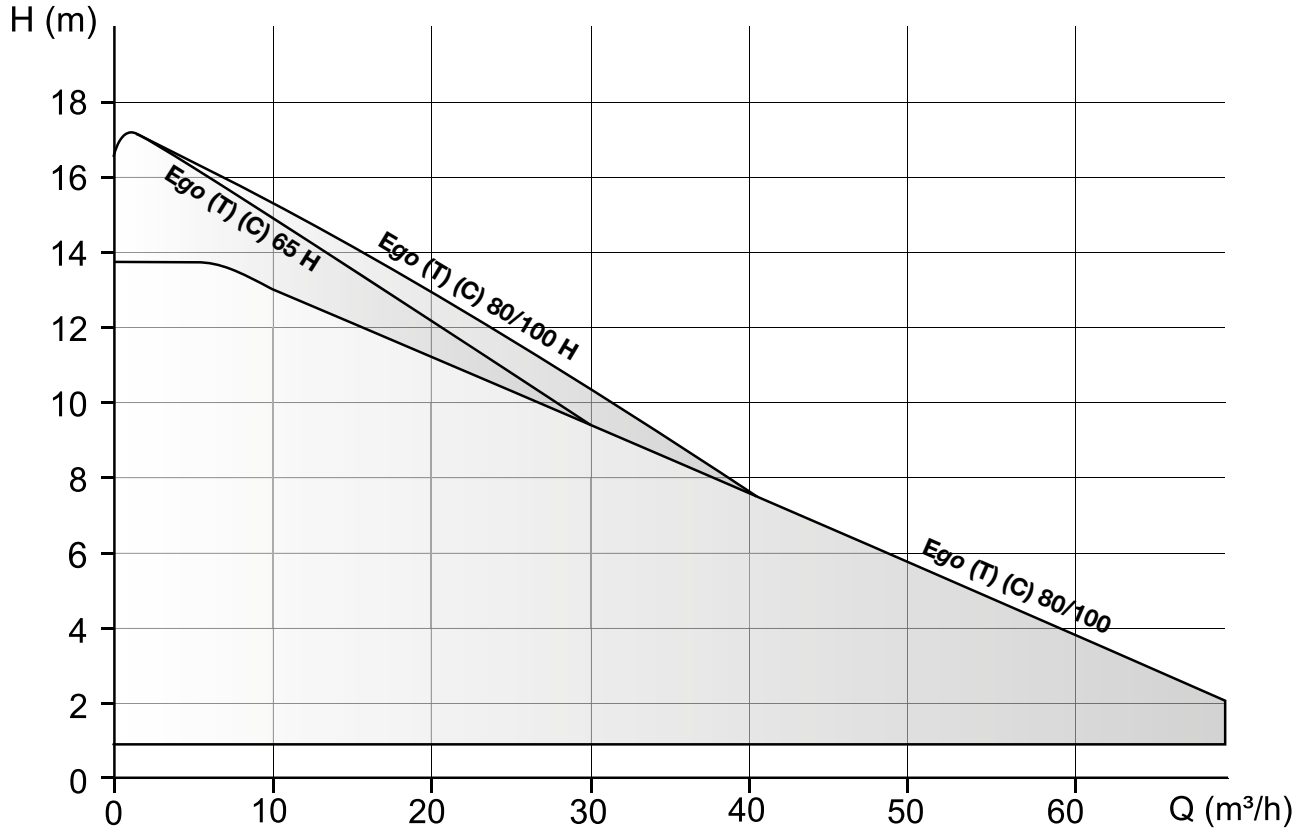
Nozzles

Page 390 - Cast iron/steel/brass nozzles
Pair of nozzles and related fittings

Ego C



Single and twin flanged electronic circulators in cast iron



Selection table

Model	Q=Flow rate										
	l/min	83,3	166,7	250,0	333,3	416,7	500,0	583,3	666,7	750,0	833,3
	m³/h	5,0	10,0	15,0	20,0	25,0	30,0	35,0	40,0	45,0	50,0
H=Total head [m]											
Ego 65		12,5	11,5	10,2	9,0	7,8	6,5	5,3	4,2	3,0	2,0

Selection table

Model	Q=Flow rate										
	l/min	116,7	233,3	350,0	466,7	583,3	700,0	816,7	933,3	1050,0	1166,7
	m³/h	7,0	14,0	21,0	28,0	35,0	42,0	49,0	56,0	63,0	70,0
H=Total head [m]											
Ego 80		13,5	12,2	10,5	9,3	8,0	7,0	5,5	4,4	3,2	1,8
Ego 100		13,5	12,2	10,5	9,3	8,0	7,0	5,5	4,4	3,2	1,8

Selection table

Model	Q=Flow rate																
	l/min	66,7	133,3	200,0	266,7	333,3	400,0	466,7	533,3	600,0	666,7	733,3	800,0	866,7	933,3	1000,0	1066,7
	m³/h	4,0	8,0	12,0	16,0	20,0	24,0	28,0	32,0	36,0	40,0	44,0	48,0	52,0	56,0	60,0	64,0
H=Total head [m]																	
Ego 50 H		15,2	13,8	12,4	11,0	9,7	8,2	7,0	5,5	4,0	2,5	-	-	-	-	-	-
Ego 65 H		16,5	15,5	14,5	13,3	12,2	11,1	10,0	8,9	7,8	6,5	5,4	4,2	3,0	1,9	-	-
Ego 80 H		16,6	15,8	14,9	14,0	13,0	12,0	11,0	10,0	8,9	7,9	6,9	5,7	4,5	3,2	2,0	0,9
Ego 100 H		16,6	15,8	14,9	14,0	13,0	12,0	11,0	10,0	8,9	7,9	6,9	5,7	4,5	3,2	2,0	0,9

Ego C

Ego C



Single and twin flanged electronic circulators in cast iron

Single version - Single phase 230V

Model	Code	P ₁ max [W]	I max [A] 1~ 230V	EEl (energy efficiency index)	Interaxle spacing [mm]	Connections	Weight [kg]
Ego C 65 H	1576000112	1500	6,7	≤ 0,23	340	DN65	39,0
Ego C 80	1576000103	1600	6,9	≤ 0,22	360	DN80	44,0
Ego C 80 H	1576000113	1600	7,2	≤ 0,23	360	DN80	41,0
Ego C 100	1576000105	1600	6,9	≤ 0,22	360	DN100	47,0
Ego C 100 H	1576000114	1600	7,2	≤ 0,23	360	DN100	45,0

Twin version - Single phase 230V

Model	Code	P ₁ max [W]	I max [A] 1~ 230V	EEl (energy efficiency index)	Interaxle spacing [mm]	Connections	Weight [kg]
Ego TC 65 H	1576000117	1500	6,7	≤ 0,23	340	DN65	73
Ego TC 80	1576000104	1600	6,9	≤ 0,22	360	DN80	81
Ego TC 80 H	1576000118	1600	7,3	≤ 0,23	360	DN80	76

Ego B



Single threaded/flanged electronic circulators in bronze for sanitary water

Circulators with integrated electronic control with permanent magnet rotor and bronze pump body. They differ from standard fixed-speed circulators for the possibility of continuous adjustment of operation according to the actual requirements of the plant and this results in considerable energy savings as well as a low level of noise.



AISI 316 rotor shirt without welding points



Practical and easy to use



High efficiency

Technical data

Max. pressure 10 bar

Liquid temperature $+5 \div +65^{\circ}\text{C}$

Ambient temperature $0 \div +40^{\circ}\text{C}$

Min. suction pressure
 - 0,05 bar at 50°C
 - 0,8 bar at 80°C
 - 1,4 bar at 110°C

Insulation class: F

Protection degree: IP44

Voltage Single phase 230V

Materials

Pump body	Bronze
Impeller	Technopolymer (threaded and easy) AISI 304 stainless steel for the rest of the range
Shaft	Ceramic (threaded Ego B) Stainless steel for the rest of the range
Rotor can	AISI 316 stainless steel

Accessories



Counterflanges kit

Page 389 - Galvanized counterflanges kit



Blind flanges

Page 389 - Blind flange for Ego TC



Nozzles

Page 390 - Cast iron/steel/brass nozzles
 Pair of nozzles and related fittings



Communication module

Page 389 - Communication C Module



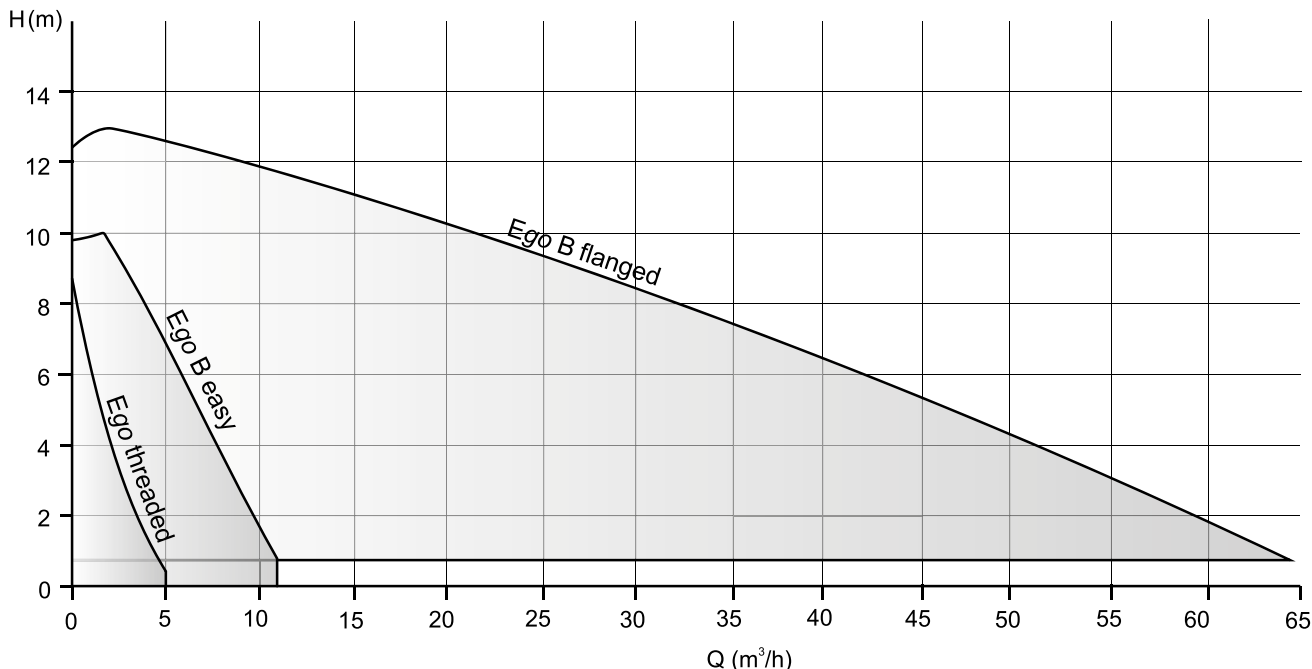
Insulation casing

Page 380 - Insulation casing

Ego B



Single threaded/flanged electronic circulators in bronze for sanitary water



Model	Q=Flow rate											
	l/min	8,3	16,7	25	33,3	41,7	50	58,3	66,7	75	83,3	91,7
	m³/h	0,5	1	1,5	2	2,5	3	3,5	4	4,5	5	5,5
H=Total head [m]												
Ego B 25/40-130		3,9	2,8	2,1	1,5	0,9	-	-	-	-	-	-
Ego B 25/60-130		5,8	4,6	3,5	2,7	2,0	1,2	0,5	-	-	-	-
Ego B 25/80-130		7,8	6,9	5,4	4,2	3,4	2,6	1,9	1,0	-	-	-

Model	Q=Flow rate										
	l/min	16,7	33,3	50	66,7	83,3	100	116,7	133,3	150	166,7
	m³/h	1	2	3	4	5	6	7	8	9	10
H=Total head [m]											
Ego B easy 25-60		6,0	6,0	5,0	4,0	3,3	2,3	1,7	1,0	0,2	-
Ego B easy 32-60		6,0	6,0	5,0	4,0	3,3	2,3	1,7	1,0	0,2	-
Ego B easy 25-100		10,0	9,7	8,8	7,8	6,7	5,6	4,5	3,5	2,4	1,4
Ego B easy 32-100		10,0	9,7	8,8	7,8	6,7	5,6	4,5	3,5	2,4	1,4

Model	Q=Flow rate											
	l/min	41,7	83,3	166,7	250	333,3	416,7	500	583,3	666,7	700	783,3
	m³/h	2,50	5,00	10,00	15,00	20,00	25,00	30,00	35,00	40,00	42,00	47,00
H=Total head [m]												
Ego B slim 40-120		11,60	11,20	10,00	6,50	2,70	-	-	-	-	-	-
Ego B slim 50-120		12,00	11,40	9,50	7,90	6,00	4,40	3,00	1,10	-	-	-

Model	Q=Flow rate										
	l/min	83,3	166,7	250,0	333,3	416,7	500,0	583,3	666,7	750,0	833,3
	m³/h	5,0	10,0	15,0	20,0	25,0	30,0	35,0	40,0	45,0	50,0
H=Total head [m]											
Ego B 65		12,5	11,5	10,2	9,0	7,8	6,5	5,3	4,2	3,0	2,0

Ego B

Ego B



Single threaded/flanged electronic circulators in bronze for sanitary water

Single phase 230V							
Model	Code	P ₁ max [W]	I max [A] 1~ 230V	EEI (energy efficiency index)	Interaxle spacing [mm]	Connections	Weight [kg]
Ego B 25/40-130	1576000082	25	0,2	0,15	130	G1½	2,1
Ego B 25/60-130	1576000083	50	0,4	0,17	130	G1½	2,1
Ego B 25/80-130	1576000084	75	0,6	0,17	130	G1½	2,1
Ego B easy 25-60	1576000106	90	0,75	0,20	180	G1½	4
Ego B easy 32-60	1576000107	90	0,75	0,20	180	G2	4,1
Ego B easy 25-100	1576000108	180	1,5	0,20	180	G1½	3,3
Ego B easy 32-100	1576000109	180	1,5	0,20	180	G2	3,4
Ego B slim 40-120	1576000134	480	2,3	0,20	250	DN40	12,5
Ego B slim 50-120	1576000135	560	2,5	0,20	280	DN50	16
Ego B 65	1576000087	1100	4,8	0,20	340	DN65	35,3

MR B



Single threaded/flanged circulators in bronze for sanitary water

Three-speed circulation pumps with permanent magnet motor and bronze body, making them suitable for sanitary water circulation systems.

They are available either with threaded connections, or with flanged connections, up to a maximum range of 42 m³/h.



AISI 316 rotor
shirt without
welding points



Practical
and easy
to use



High
efficiency

Materials

Pump body	Bronze
Impeller	Polyamide
Shaft	AISI 420 and 431 stainless steel
Rotor can	AISI 316 stainless steel

Technical data

Max. pressure	10 bar
Liquid temperature	-10 a +65°C
Ambient temperature	0 ÷ +40°C
Min. suction pressure	- 0,05 bar at 50°C - 0,8 bar at 80°C - 1,4 bar at 110°C
Insulation class:	H
Protection degree:	IP43 for three phase IP44 for single phase
Voltage	Single phase 230V

Accessories



Counterflanges kit

Page 389 - Galvanized counterflanges kit



Nozzles

Page 390 - Cast iron/steel/brass nozzles
Pair of nozzles and related fittings

MR B



Single threaded/flanged circulators in bronze for sanitary water

Single phase 230V

Model	Code	P ₁ max [W]	I max [A] 1~ 230V	Interaxle spacing [mm]	Connections	Weight [kg]
MR B 15/40-130	1576000041	75	0,33	130	G1	2,3
MR B 25/40-130	1576000042	75	0,33	130	G1½	2,4
MR B 15/60-130	1576000043	90	0,39	130	G1	2,5
MR B 25/60-130	1576000044	90	0,39	130	G1½	2,6
MR B 25/70-130	1576000045	140	0,62	130	G1½	2,6

Three phase 400V

Model	Code	P ₁ max [W]	I max [A] 1~ 400V	Interaxle spacing [mm]	Connections	Weight [kg]
MR B 40-120 F	1576000046	578	1,46	250	DN40	22,0
MR B 40-70 F	1576000047	295	0,74	250	DN40	22,0
MR B 50-120 F	1576000048	1020	1,73	280	DN50	28,0
MR B 50-70 F	1576000049	470	1,15	280	DN50	28,0
MR B 65-120 F	1576000050	1560	2,8	340	DN65	36,0
MR B 65-70 F	1576000051	600	1,25	340	DN65	36,0

LPS



In-line centrifugal pumps in AISI 304 stainless steel

In-line centrifugal pumps with AISI 304 stainless steel hydraulic parts. Versatile, quiet and particularly suitable for handling liquids in residential, commercial and industrial heating and circulation systems. Used for handling hot sanitary water, low-pressure liquids in general and in cooling and air-conditioning systems.



Practical
and easy
to use



Low noise

Materials

Pump body	AISI 304
Impeller	AISI 304
Shaft	AISI 303 (part in contact with the liquid)
Mechanical seal	Ceramic/Carbon/NBRH
Motor support	Aluminium

Technical data

Max. pressure	2 bar for single phase models and three phase LPS 25 4 bar for three phase LPS 32-40-50
Liquid temperature	-10°C ÷ +100°C
Poles	2
MEI	> 0,4
Insulation class:	F
Protection degree:	IP55
Voltage	Single phase 230V ±10% Three phase 230/400V ±10%

Accessories



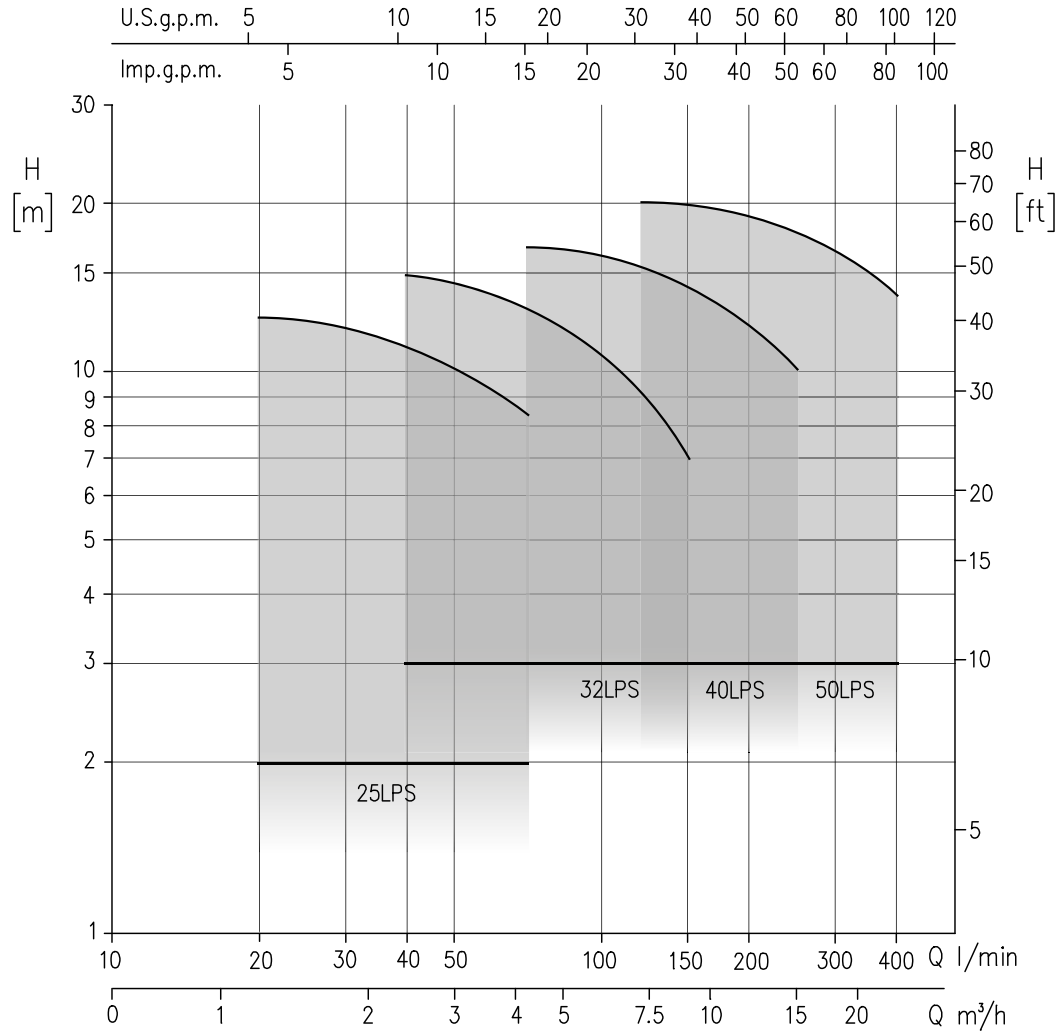
Counterflanges kit

Page 390 - Galvanized and AISI 304 counterflanges kit

LPS



In-line centrifugal pumps in AISI 304 stainless steel



Single phase 230V														2 Poles					
Model	Code	HP	kW	Q=Flow rate											Abs. Curr. [A] 230V	DNA DNM	Weight [kg]		
				l/min	20	40	70	100	120	150	200	250	320	400					
				m³/h	1,2	2,4	4,2	6	7,2	9	12	15	19,2	24					
H=Total head [m]																			
LPS 25/08M	1962010000	0,1	0,08		6,5	5,0	2,4	-	-	-	-	-	-	-	-	-	1,51	25	10
LPS 25/15M	1962020000	0,2	0,15		9,3	7,8	4,9	-	-	-	-	-	-	-	-	-	1,67	25	10
LPS 25/25M	1962030000	0,33	0,25		12,5	11,1	8,4	-	-	-	-	-	-	-	-	-	2,04	25	10,1
LPS 32/25M	1963030000	0,33	0,25		-	10,7	9,1	7,2	5,9	3,9	-	-	-	-	-	-	2	32	10,8
LPS 32/40M *	1963040000	0,5	0,4		-	14,5	12,7	10,6	9,2	7,0	-	-	-	-	-	-	2,74	32	10,8
LPS 40/25M	1964030000	0,33	0,25		-	-	7,8	7,1	6,6	5,6	3,7	-	-	-	-	-	1,98	40	11
LPS 40/40M *	1964050000	0,5	0,4		-	-	11,3	10,4	9,9	8,7	6,9	4,4	-	-	-	-	2,75	40	11
LPS 40/75M *	1964070000	1	0,75		-	-	16,6	16,0	15,2	14,1	12,3	10,1	-	-	-	-	4,86	40	13,7
LPS 50/40M *	1965050000	0,5	0,4		-	-	-	-	9,1	8,8	7,4	5,9	3,5	-	-	-	2,74	50	11,6
LPS 50/75M *	1965070000	1	0,75		-	-	-	-	13,8	13,3	12,3	10,7	8,2	5,0	-	-	4,9	50	14,4
LPS 50/150M *	1965150000A	2	1,5		-	-	-	-	19,8	19,3	18,7	17,8	16,0	13,7	-	-	8,07	50	17,7

* Product not available for European market
Prices include galvanized steel threaded flanges with related gaskets and bolts.

LPS

LPS



In-line centrifugal pumps in AISI 304 stainless steel

Three phase 230/400V														2 Poles				
Model	Code	HP	kW	Q=Flow rate											Abs. Curr.		DNA DNM	Weight [kg]
				l/min	20	40	70	100	120	150	200	250	320	400	230V	400V		
				m ³ /h	1,2	2,4	4,2	6	7,2	9	12	15	19,2	24				
				H=Total head [m]														
LPS 25/08	1962010004	0,1	0,08		6,5	5,0	2,4	-	-	-	-	-	-	-	1,7	1,01	25	10
LPS 25/15	1962020004	0,2	0,15		9,3	7,8	4,9	-	-	-	-	-	-	-	1,8	1,03	25	10
LPS 25/25	1962030004	0,33	0,25		12,5	11,1	8,4	-	-	-	-	-	-	-	1,9	1,11	25	10,1
LPS 32/25	1963030004	0,33	0,25		-	10,7	9,1	7,2	5,9	3,9	-	-	-	-	1,8	1,03	32	10,8
LPS 32/40 *	1963040004	0,5	0,4		-	14,5	12,7	10,6	9,2	7,0	-	-	-	-	2,2	1,25	32	10,8
LPS 40/25	1964030004	0,33	0,25		-	-	7,8	7,1	6,6	5,6	3,7	-	-	-	1,9	1,09	40	11
LPS 40/40 *	1964050004	0,5	0,4		-	-	11,3	10,4	9,9	8,7	6,9	4,4	-	-	2,2	1,25	40	11
LPS/E 40/75 *	1964070004I	1	0,75		-	-	16,6	16,0	15,2	14,1	12,3	10,1	-	-	3	1,7	40	13,7
LPS 50/40 *	1965050004	0,5	0,4		-	-	-	-	9,1	8,8	7,4	5,9	3,5	-	2,2	1,25	50	11,6
LPS/E 50/75 *	1965070004I	1	0,75		-	-	-	-	13,8	13,3	12,3	10,7	8,2	5,0	3	1,7	50	14,4
LPS/E 50/150 *	1965150004I	2	1,5		-	-	-	-	19,8	19,3	18,7	17,8	16,0	13,7	6,6	3,8	50	20,5

* Product not available for European market
 Prices include galvanized steel threaded flanges with related gaskets and bolts.

LPC(4) - LPCD(4)



In-line single and twin centrifugal pumps in cast iron

In-line centrifugal pumps in cast iron. Versatile, quiet and particularly suitable for handling liquids in residential, commercial and industrial heating, air-conditioning and circulation systems. Used for handling hot sanitary water, low pressure liquids in general and in cooling and air-conditioning systems



Sturdy hydraulic frame



Low noise

Technical data

Max. pressure	6 bar for LPC 32-100/40-100 10 bar for the rest of the range
Liquid temperature	-10°C ÷ +50°C for LPC 32-100 -10°C ÷ +110°C
Poles	2 and 4
MEI	> 0,4
Insulation class:	F
Protection degree:	IP55
Voltage	Three phase 230/400V ±10% up to 4 kW Three phase 400V/690V ±10% from 5,5 kW and above

Materials

Pump body	Cast iron
Impeller	Cast iron
Shaft	AISI 420
Mechanical seal	Carbon/SiC/EPDM
Motor support	Cast iron

Accessories



Counterflanges kit

Page 390 - **Galvanized counterflanges kit**



Blind flanges

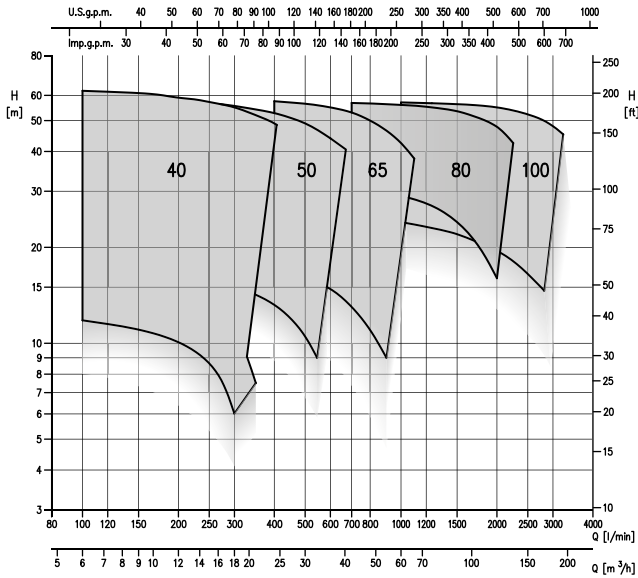
Page 390 - **Blind flange for LPCD**

LPC(4) - LPCD(4)

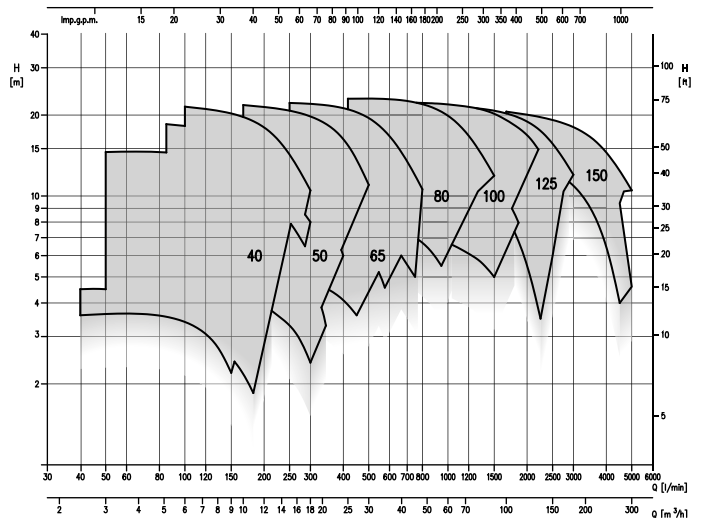
In-line single and twin centrifugal pumps in cast iron



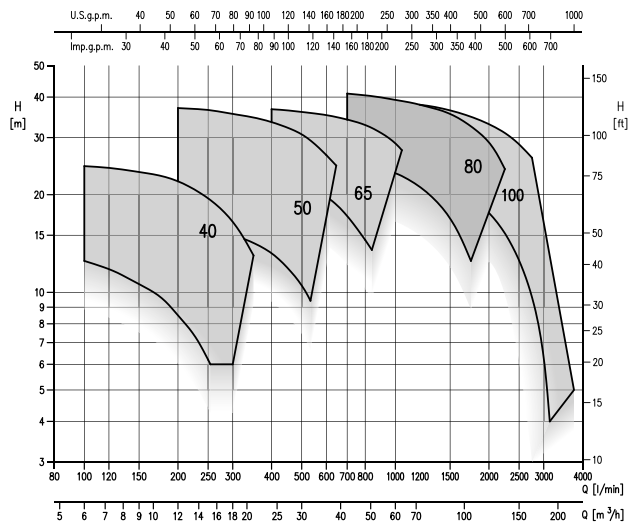
LPC 2 Poles



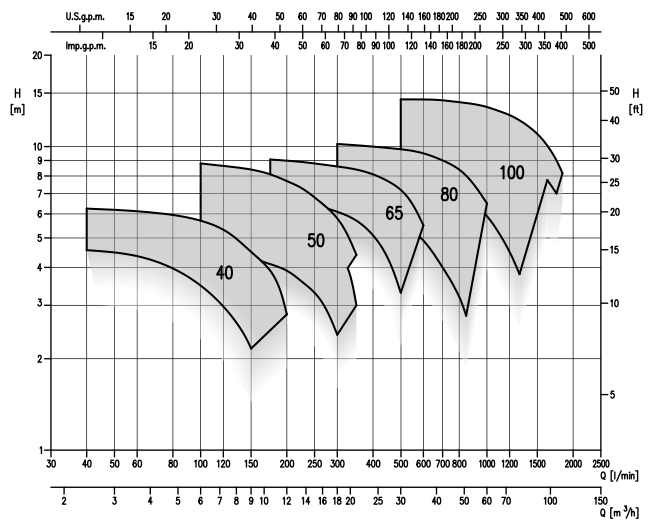
LPC 4 Poles



LPCD 2 Poles



LPCD 4 Poles



LPC



In-line single centrifugal pumps in cast iron

Selection table																	
Model	HP	kW	Q=Flow rate														
			l/min	50	100	125	150	175	200	225	250	300	350	400	450	500	600
			m ³ /h	3	6	7,5	9	10,5	12	13,5	15	18	21	24	27	30	36
			H=Total head [m]														
LPC 32-100/0,37	0,5	0,37		10,7	10,0	9,3	8,4	7,3	6,0	-	-	-	-	-	-	-	
LPC 40-100/0,55	0,75	0,55		-	11,7	11,4	11,0	10,5	9,9	8,5	8,5	7,0	-	-	-	-	
LPC/I 40-100/0,75	1	0,75		-	13,5	13,3	13,0	12,5	12,0	10,7	10,7	9,0	7,0	-	-	-	
LPC/I 40-125/0,75	1	0,75		-	15,3	14,5	13,7	12,8	11,5	9,0	9,0	6,0	-	-	-	-	
LPC/I 40-125/1,1	1,5	1,1		-	20,5	19,7	19,0	18,1	17,1	14,5	14,5	11,2	7,5	-	-	-	
LPC/I 40-125/1,5	2	1,5		-	24,5	24,1	23,5	22,9	22,0	19,5	19,5	16,5	13	-	-	-	
LPC/I 40-160/2,2	3	2,2		-	28,5	28,0	27,4	26,5	25,5	23,1	23,1	20,0	15,0	-	-	-	
LPC/I 40-160/3 R	4	3		-	33,5	33,0	32,5	32,0	31,0	29,0	29,0	26,0	22,5	-	-	-	
LPC/I 40-160/3	4	3		-	38,0	37,5	36,8	35,8	35,0	32,5	32,5	30	26,5	-	-	-	
LPC/I 40-200/4	5,5	4		-	47,0	46,5	46,0	45,0	44,0	42,0	42,0	39,2	36,1	33,0	-	-	
LPC/I 40-200/5,5	7,5	5,5		-	55,0	54,5	54,0	53,5	53,0	51,0	51,0	48,5	46,0	42,5	-	-	
LPC/I 40-200/7,5	10	7,5		-	62,0	61,5	61,0	60,0	59,0	57,0	57,0	55,0	52,0	49,0	45,0	40,0	
LPC/I 50-125/1,5	2	1,5		-	-	-	-	-	16,0	15,5	15,5	15,0	14,2	13,2	11,9	10,5	7,0
LPC/I 50-125/2,2	3	2,2		-	-	-	-	-	19,5	19,1	19,1	18,5	17,5	16,6	15,5	14,1	10,5
LPC/I 50-125/3	4	3		-	-	-	-	-	24,7	24,5	24,5	24,2	23,7	23,0	21,8	20,5	17,0
LPC/I 50-160/3	4	3		-	-	-	-	-	30,5	29,9	29,9	29,0	27,8	26,5	24,9	23,0	18,0
LPC/I 50-160/4	5,5	4		-	-	-	-	-	37,0	36,5	36,5	35,5	34,6	33,5	32,2	30,7	26,5
LPC/I 50-200/5,5	7,5	5,5		-	-	-	-	-	46,0	45,0	45,0	44,0	43,0	41,0	39,2	37,0	31,0
LPC/I 50-200/7,5 R	10	7,5		-	-	-	-	-	51,0	51,0	51,0	50,0	48,5	47,0	45,0	42,5	37,0
LPC/I 50-200/7,5	10	7,5		-	-	-	-	-	57,5	57,0	57,0	55,5	54,0	53,0	51,0	49,0	44,0

Selection table																							
Model	HP	kW	Q=Flow rate																				
			l/min	350	400	450	500	600	700	800	900	1000	1100	1216	1250	1500	1750	2000	2250	2500	2750	3000	3500
			m ³ /h	21	24	27	30	36	42	48	54	60	66	73	75	90	105	120	135	150	165	180	210
			H=Total head [m]																				
LPC/I 65-125/2,2	3	2,2		17,5	17,0	16,5	16,0	14,8	13	11,0	9,0	-	-	-	-	-	-	-	-	-	-	-	-
LPC/I 65-125/3	4	3		-	21,0	20,6	20,1	19,0	17,6	16,0	14,0	12,0	-	-	-	-	-	-	-	-	-	-	-
LPC/I 65-125/4	5,5	4		-	25,5	25,2	24,8	24,0	22,9	21,5	19,6	17,5	-	-	-	-	-	-	-	-	-	-	-
LPC/I 65-160/5,5	7,5	5,5		-	32,3	32	31,5	30,8	29,5	28,0	25,8	23,5	-	-	-	-	-	-	-	-	-	-	-
LPC/I 65-160/7,5	10	7,5		-	36,7	36,4	36,0	35,2	34,1	32,8	31,0	28,8	26,0	23,0	-	-	-	-	-	-	-	-	-
LPC/I 65-200/11	15	11		-	51,0	50,0	49,0	48,0	45,5	43,0	39,7	36,0	31,5	27,0	-	-	-	-	-	-	-	-	-
LPC/I 65-200/15	20	15		-	57,5	57,0	56,5	55,0	53,0	50,0	46,5	42,5	38,0	33,8	-	-	-	-	-	-	-	-	-
LPC/I 80-160/11	13,6	10		-	-	-	-	-	30,5	30,0	29,5	29,0	28,3	27,5	27,0	24,0	20,2	16,0	-	-	-	-	-
LPC/I 80-160/15 R	17	12,5		-	-	-	-	-	36,0	35,5	35,0	34,5	34,0	33,0	32,8	30,0	27,0	23,0	19,0	-	-	-	-
LPC/I 80-160/15	20	15		-	-	-	-	-	41,0	40,5	39,9	39,2	38,6	37,8	37,5	35,5	32,5	29,0	24,0	-	-	-	-
LPC/I 80-200/15	20	15		-	-	-	-	-	44,0	44,0	43,5	43,0	42,5	41,8	41,5	39,0	35,5	31,5	-	-	-	-	-
LPC/I 80-200/18,5	25	18,5		-	-	-	-	-	50,5	50,0	50,0	49,5	49,0	48,8	48,5	46,5	43,0	39,5	35,0	-	-	-	-
LPC/I 80-200/22	30	22		-	-	-	-	-	57,0	56,5	56,5	56,0	55,5	55,2	55	53,5	51,0	48,0	42,5	-	-	-	-
LPC/I 100-160/11	13,6	10		-	-	-	-	-	-	-	-	23,5	23,6	23,2	23,0	22,0	20,7	19,5	18,1	16,5	14,0	-	-
LPC/I 100-160/15 R	17	12,5		-	-	-	-	-	-	-	-	28,5	28,2	28,0	27,9	27,0	25,8	24,5	23,0	21,5	20,0	18,0	-
LPC/I 100-160/15	20	15		-	-	-	-	-	-	-	-	34,0	33,8	33,5	33,3	32,5	31,7	30,5	29,2	27,6	26,0	24,5	-
LPC/I 100-200/18,5	25	18,5		-	-	-	-	-	-	-	-	42,0	41,5	41,2	41,0	40,0	38,6	37,0	35,0	33,0	30,5	28,0	-
LPC/I 100-200/22	30	22		-	-	-	-	-	-	-	-	47,0	46,5	46,6	46,7	45,5	44,5	43,0	41,0	39,0	36,7	34,0	-
LPC/I 100-200/30	40	30		-	-	-	-	-	-	-	-	-	-	-	54,0	53,0	52,0	50,5	49,0	47,0	45,0	42,5	37,0
LPC/I 100-200/37	50	37		-	-	-	-	-	-	-	-	-	-	-	56,5	56,5	56,0	55,0	54,0	52,5	50,5	48,0	42,0
LPC/I 100-250/37	50	37		-	-	-	-	-	-	-	-	-	-	-	67,5	67,0	66,0	65,0	63,5	61,0	58,0	55,0	47,0

LPC(4)

LPC



In-line single centrifugal pumps in cast iron

Three phase 230/400/690V										2 Poles
Model	Code	HP	kW	Abs. Curr. [A]			DNA DNM	Interaxle spacing [mm]	Weight [kg]	
				230V	400V	690V				
LPC 32-100/0,37	2060020004	0,5	0,37	2,1	1,2	-	32	220	12,0	
LPC 40-100/0,55	2061030004	0,75	0,55	2,6	1,5	-	40	240	16,0	
LPC/I 40-100/0,75	2061050004I	1	0,75	2,8	1,6	-	40	240	18,0	
LPC/I 40-125/0,75	2061050104I	1	0,75	2,8	1,6	-	40	300	26,0	
LPC/I 40-125/1,1	2061070004I	1,5	1,1	4	2,3	-	40	300	27,0	
LPC/I 40-125/1,5	2061080004I	2	1,5	5,7	3,3	-	40	300	29,0	
LPC/I 40-160/2,2	2061100004I	3	2,2	8	4,6	-	40	320	31,0	
LPC/I 40-160/3 R	2061110004I	4	3	9,7	5,6	-	40	320	40,0	
LPC/I 40-160/3	2061120004I	4	3	9,7	5,6	-	40	320	42,0	
LPC/I 40-200/4	2061120104I	5,5	4	13,9	8,2	-	40	380	50,0	
LPC/I 40-200/5,5	2061130004I	7,5	5,5	-	10,2	5,9	40	380	57,0	
LPC/I 40-200/7,5	2061220004I	10	7,5	-	14,4	8,3	40	380	60,0	
LPC/I 50-125/1,5	2062080004I	2	1,5	5,7	3,3	-	50	320	28,0	
LPC/I 50-125/2,2	2062100004I	3	2,2	8	4,6	-	50	320	30,0	
LPC/I 50-125/3	2062110004I	4	3	9,7	5,6	-	50	320	37,0	
LPC/I 50-160/3	2062110104I	4	3	9,7	5,6	-	50	340	37,0	
LPC/I 50-160/4	2062120004I	5,5	4	13,9	8,2	-	50	340	42,0	
LPC/I 50-200/5,5	2062130004I	7,5	5,5	-	10,2	5,9	50	400	58,0	
LPC/I 50-200/7,5 R	2062220004I	10	7,5	-	14,4	8,3	50	400	61,0	
LPC/I 50-200/7,5	2062140004I	10	7,5	-	14,4	8,3	50	400	61,0	
LPC/I 65-125/2,2	2063100004I	3	2,2	8	4,6	-	65	360	36,0	
LPC/I 65-125/3	2063110004I	4	3	9,7	5,6	-	65	360	43,0	
LPC/I 65-125/4	2063120004I	5,5	4	13,9	8,2	-	65	360	44,0	
LPC/I 65-160/5,5	2063130004I	7,5	5,5	-	10,2	5,9	65	400	56,0	
LPC/I 65-160/7,5	2063140004I	10	7,5	-	14,4	8,3	65	400	58,0	
LPC/I 65-200/11	2063230004I	15	11	-	19,9	11,5	65	440	83,0	
LPC/I 65-200/15	2063240004I	20	15	-	26,8	15,5	65	440	86,0	
LPC/I 80-160/11	2064230004I	15	11	-	19,9	11,5	80	440	85,0	
LPC/I 80-160/15 R	2064240004I	20	15	-	26,8	15,5	80	440	86,0	
LPC/I 80-160/15	2064170004I	20	15	-	26,8	15,5	80	440	86,0	
LPC/I 80-200/15	2064170104I	20	15	-	26,8	15,5	80	500	92,0	
LPC/I 80-200/18,5	2064180004I	25	18,5	-	33	19	80	500	129,0	
LPC/I 80-200/22	2064190004I	30	22	-	39,4	22,5	80	500	139,0	
LPC/I 100-160/11	2065230004I	15	11	-	19,9	11,5	100	525	89,0	
LPC/I 100-160/15 R	2065240004I	20	15	-	26,8	15,5	100	525	92,0	
LPC/I 100-160/15	2065170004I	20	15	-	26,8	15,5	100	525	93,0	
LPC/I 100-200/18,5	2065180004I	25	18,5	-	33	19	100	550	140,0	
LPC/I 100-200/22	2065190004I	30	22	-	39,4	22,7	100	550	150,0	
LPC/I 100-200/30	2065200004I	40	30	-	52,1	30	100	550	287,0	
LPC/I 100-200/37	2065250004I	50	37	-	62,6	36	100	550	320,0	
LPC/I 100-250/37	2065250104I	50	37	-	62,6	36	100	600	327,0	

LPC4



In-line single centrifugal pumps in cast iron (4 poles)

Selection table																						
Model	HP	kW	Q=Flow rate																			
			l/min	30	40	50	75	85	100	125	150	167	175	200	225	250	300	350	400	417	450	500
			m ³ /h	1,8	2,4	3	4,5	5,1	6	7,5	9	10	10,5	12	13,5	15	18	21	24	25	27	30
H=Total head [m]																						
LPC4 32-100/0,25	0,33	0,25		3,3	3,2	3,1	2,7	2,5	2,1	1,2	-	-	-	-	-	-	-	-	-	-	-	
LPC4 40-100/0,25	0,33	0,25		-	3,6	3,6	3,5	3,4	3,3	2,9	2,5	2,2	2,0	1,5	-	-	-	-	-	-	-	
LPC4 40-125/0,25 R	0,33	0,25		-	4,5	4,4	4,1	3,9	3,7	3,0	2,2	-	-	-	-	-	-	-	-	-	-	
LPC4 40-125/0,25	0,33	0,25		-	-	6,2	6,0	5,9	5,7	5,2	4,5	4,1	3,9	2,8	-	-	-	-	-	-	-	
LPC4 40-160/0,37	0,55	0,37		-	-	9,4	9,2	9,1	8,9	8,4	7,7	7,4	6,9	5,8	4,7	-	-	-	-	-	-	
LPC4/I 40-200/0,75	1	0,75		-	-	-	12,8	12,6	12,4	11,9	11,3	11,0	10,6	9,8	9,0	8,0	6,0	-	-	-	-	
LPC4/I 40-200/1,1	1,5	1,1		-	-	-	14,6	14,5	14,3	13,8	13,3	13,0	12,7	11,8	10,9	10,0	8,0	-	-	-	-	
LPC4/I 40-250/1,1	1,5	1,1		-	-	-	-	18,5	18,0	17,5	17	16,3	16	14,5	13,0	11,0	-	-	-	-	-	
LPC4/I 40-250/1,5	2	1,5		-	-	-	-	-	21,5	21	20,5	19,7	19,5	18	16,5	15	-	-	-	-	-	
LPC4 50-125/0,25	0,3	0,25		-	-	-	-	-	4,6	4,5	4,3	4,2	4,1	3,9	3,6	3,3	2,4	-	-	-	-	
LPC4 50-125/0,37	0,55	0,37		-	-	-	-	-	6,3	6,2	6,1	6,0	6,0	5,8	5,6	5,3	4,6	3	-	-	-	
LPC4 50-160/0,55	0,75	0,55		-	-	-	-	-	8,8	8,6	8,4	8,2	8,1	7,7	7,3	6,8	5,8	4,4	-	-	-	
LPC4/I 50-200/1,1 R	1,5	1,1		-	-	-	-	-	12,7	12,5	12,1	12	11,7	11,2	10,7	10,1	8,5	6,8	-	-	-	
LPC4/I 50-200/1,1	1,5	1,1		-	-	-	-	-	14,2	14	13,8	13,7	13,4	13,0	12,5	11,8	10,2	8,3	6,0	-	-	
LPC4/I 50-250/1,5	2	1,5		-	-	-	-	-	-	-	-	17,5	17,4	17,0	16,6	16,2	15,0	13,7	12,0	11,0	10,0	
LPC4/I 50-250/2,2	3	2,2		-	-	-	-	-	-	-	-	21,8	21,7	21,4	21,0	20,5	19,5	18,5	17,0	15,4	14,0	

Selection table																									
Model	HP	kW	Q=Flow rate																						
			l/min	150	167	175	200	225	250	300	350	400	417	450	500	600	700	750	800	900	1000	1100	1200	1300	1500
			m ³ /h	9	10	10,5	12	13,5	15	18	21	24	25	27	30	36	42	45	48	54	60	66	72	78	90
H=Total head [m]																									
LPC4 65-125/0,37	0,55	0,37		5,3	5,3	5,3	5,2	5,1	5,0	4,8	4,5	4,1	3,7	3,6	3,0	-	-	-	-	-	-	-	-	-	-
LPC4 65-125/0,55	0,75	0,55		6,4	6,4	6,3	6,2	6,1	6,0	5,8	5,5	5,2	5,1	4,9	4,4	-	-	-	-	-	-	-	-	-	-
LPC4/I 65-160/0,75	1	0,75		-	-	-	8,1	8,0	7,9	7,8	7,4	7,0	6,8	6,6	6,0	4,0	-	-	-	-	-	-	-	-	-
LPC4/I 65-160/1,1	1,5	1,1		-	-	-	9,0	8,9	8,8	8,7	8,4	8,1	7,9	7,7	7,2	5,5	-	-	-	-	-	-	-	-	-
LPC4/I 65-200/1,1	1,5	1,1		-	-	-	12,3	12,2	12	11,5	10,8	10,0	9,4	9,0	8,0	5,8	-	-	-	-	-	-	-	-	-
LPC4/I 65-200/1,5	2	1,5		-	-	-	14,1	14,1	14,4	13,6	13,0	12,1	11,9	11,2	10,1	7,8	5,0	-	-	-	-	-	-	-	-
LPC4/I 65-250/2,2	3	2,2		-	-	-	-	18,0	17,5	17,0	16,0	15,8	15,0	14,0	11,8	9,5	8,5	-	-	-	-	-	-	-	-
LPC4/I 65-250/3	4	3		-	-	-	-	22,3	22	21,5	21,0	20,8	20,2	19,4	17,3	14,0	12,5	10,6	-	-	-	-	-	-	-
LPC4/I 80-160/0,75	1	0,75		-	-	-	-	-	6,3	6,1	6,0	5,9	5,8	5,6	4,9	4,0	3,6	-	-	-	-	-	-	-	-
LPC4/I 80-160/1,1 R	1,5	1,1		-	-	-	-	-	7,3	7,2	7,1	7,1	7,0	6,8	6,3	5,6	5,3	4,8	3,8	-	-	-	-	-	-
LPC4/I 80-160/1,1	1,5	1,1		-	-	-	-	-	8,5	8,5	8,4	8,4	8,3	8,2	7,9	7,3	7,1	6,7	5,9	5,0	-	-	-	-	-
LPC4/I 80-160/1,5	2	1,5		-	-	-	-	-	10,2	10,1	10,0	10,0	9,9	9,8	9,5	9,0	8,8	8,4	7,5	6,5	-	-	-	-	-
LPC4/I 80-200/2,2	3	2,2		-	-	-	-	-	-	-	-	12,5	12,5	12,4	12,3	12,1	11,7	11,2	11,1	10,4	9,6	8,5	-	-	-
LPC4/I 80-200/3	4	3		-	-	-	-	-	-	-	-	15,3	15,3	15,2	15,1	15,0	14,6	14,2	14,2	13,6	12,8	11,9	11,0	-	-
LPC4/I 80-250/4	5,5	4		-	-	-	-	-	-	19,9	19,8	19,8	19,7	19,5	19,0	18,4	18,0	17,5	16,5	15,2	13,8	12,0	10,5	-	-
LPC4/I 80-250/5,5	7,5	5,5		-	-	-	-	-	-	-	-	23,0	22,9	22,8	22,5	22,0	21,8	21,5	20,6	19,7	18,7	17,5	15,5	12,0	-

LPC(4)

LPC4



In-line single centrifugal pumps in cast iron (4 poles)

Selection table

Model	HP	kW	Q=Flow rate																						
			I/min	600	667	700	800	833	900	1000	1100	1200	1250	1500	1667	1750	2000	2250	2500	2750	3000	3500	4500	4667	5000
			m3/h	36	40	42	48	50	54	60	66	72	75	90	100	105	120	135	150	165	180	210	270	280	300
			H=Total head [m]																						
LPC4/I 100-160/1,5	2	1,5		7,7	7,6	7,5	7,2	7,1	7,0	6,7	6,4	6,1	6,0	5,0	-	-	-	-	-	-	-	-	-	-	-
LPC4/I 100-160/2,2	3	2,2		9,7	9,6	9,5	9,4	9,3	9,1	8,8	8,5	8,2	8,0	7,1	6,3	6,0	-	-	-	-	-	-	-	-	-
LPC4/I 100-200/3	4	3		12,0	11,9	11,8	11,5	11,4	11,3	10,9	10,5	10,0	9,6	8,5	7,5	7,0	-	-	-	-	-	-	-	-	-
LPC4/I 100-200/4	5,5	4		14,4	14,3	14,2	14,0	13,9	13,8	13,4	13,1	12,7	12,4	11,0	9,7	9,0	6,5	-	-	-	-	-	-	-	-
LPC4/I 100-250/5,5	7,5	5,5		-	-	-	19,2	19,0	18,9	18,5	18,1	17,7	17,5	16,0	14,9	14,5	12,0	-	-	-	-	-	-	-	-
LPC4/I 100-250/7,5	10	7,5		-	-	-	22,3	22,2	22,1	21,9	21,7	21,3	21,1	20,0	19,0	18,5	16,8	14,5	-	-	-	-	-	-	-
LPC4/I 125-250/5,5	7,5	5,5		-	12,7	12,6	12,4	12,3	12,2	11,9	11,8	11,0	10,9	9,6	8,6	8,0	6,0	3,5	-	-	-	-	-	-	-
LPC4/I 125-250/5,5	7,5	5,5		-	-	-	-	15,6	15,5	15,2	15,0	14,6	14,4	12,4	12,3	12,0	10,0	8,0	6,0	-	-	-	-	-	-
LPC4/I 125-250/7,5	10	7,5		-	-	-	-	19,5	19,4	19,2	19,0	18,8	17,7	18,0	17,5	17,0	15,7	14,0	12,5	10,5	-	-	-	-	-
LPC4/I 125-250/11	15	11		-	-	-	-	-	-	21,6	21,4	21,3	21,2	20,8	20,3	20,0	19,0	17,8	16,2	14,2	12,0	-	-	-	-
LPC4/I 150-250/7,5	10	7,5		-	-	-	-	-	-	-	-	-	15,0	14,7	14,4	14,3	13,8	13,3	12,6	11,8	11,0	9,0	4,0	-	-
LPC4/I 150-250/11 R	15	11		-	-	-	-	-	-	-	-	-	-	-	16,6	16,5	16,0	15,5	15,0	14,2	13,5	11,8	7,4	6,8	4,6
LPC4/I 150-250/11	15	11		-	-	-	-	-	-	-	-	-	18,9	18,5	18,2	18,0	17,7	17,2	16,7	16,2	15,3	13,6	9,4	-	-
LPC4/I 150-250/15 R	20	15		-	-	-	-	-	-	-	-	-	20,5	20,1	19,9	19,8	19,5	19,0	18,6	18,0	17,4	15,7	11,9	10,5	-
LPC4/I 150-250/15	20	15		-	-	-	-	-	-	-	-	-	-	-	20,8	20,7	20,5	19,8	19,5	19,0	18,5	17,0	13,0	11,8	10,5

LPC4



In-line single centrifugal pumps in cast iron (4 poles)

Three phase 230/400/690V							4 Poles		
Model	Code	HP	kW	Abs. Curr. [A]			DNA DNM	Interaxle spacing [mm]	Weight [kg]
				230V	400V	690V			
LPC4 32-100/0,25	2060010404	0,33	0,25	1,6	0,9	-	32	220	12,0
LPC4 40-100/0,25	2061010404	0,33	0,25	1,6	0,9	-	40	260	16,0
LPC4 40-125/0,25 R	2069010404	0,33	0,25	1,6	0,9	-	40	300	20,0
LPC4 40-125/0,25	2061010504	0,33	0,25	1,6	0,9	-	40	300	20,0
LPC4 40-160/0,37	2061020404	0,5	0,37	2,1	1,2	-	40	320	23,0
LPC4/I 40-200/0,75	2061050404I	1	0,75	3	1,7	-	40	380	32,0
LPC4/I 40-200/1,1	2061060404I	1,5	1,1	4,2	2,4	-	40	380	37,0
LPC4/I 40-250/1,1	2061100404I	1,5	1,1	4,2	2,4	-	40	440	55,0
LPC4/I 40-250/1,5	2061110404I	2	1,5	5,6	3,2	-	40	440	52,0
LPC4 50-125/0,25	2062010404	0,33	0,25	1,6	0,9	-	50	320	21,0
LPC4 50-125/0,37	2062020404	0,5	0,37	2,1	1,2	-	50	320	22,0
LPC4 50-160/0,55	2062030404	0,77	0,55	2,8	1,6	-	50	340	25,0
LPC4/I 50-200/1,1 R	2069070404I	1,5	1,1	4,2	2,4	-	50	400	40,0
LPC4/I 50-200/1,1	2062070404I	1,5	1,1	4,2	2,4	-	50	400	40,0
LPC4/I 50-250/1,5	2069100404I	2	1,5	5,6	3,2	-	50	440	53,0
LPC4/I 50-250/2,2	2069110404I	3	2,2	10,2	5,9	-	50	440	57,0
LPC4 65-125/0,37	2063020404	0,5	0,37	2,1	1,2	-	65	360	25,0
LPC4 65-125/0,55	2063030404	0,77	0,55	2,8	1,6	-	65	360	26,0
LPC4/I 65-160/0,75	2063050404I	1	0,75	3	1,7	-	65	400	34,0
LPC4/I 65-160/1,1	2063060404I	1,5	1,1	4,2	2,4	-	65	400	39,0
LPC4/I 65-200/1,1	2063070404I	1,5	1,1	4,2	2,4	-	65	440	42,0
LPC4/I 65-200/1,5	2063080404I	2	1,5	5,6	3,2	-	65	440	41,0
LPC4/I 65-250/2,2	2063110404I	3	2,2	10,2	5,9	-	65	475	67,0
LPC4/I 65-250/3	2063120404I	4	3	11,8	6,8	-	65	475	68,0
LPC4/I 80-160/0,75	2064050404I	1	0,75	2,8	1,6	-	80	440	51,0
LPC4/I 80-160/1,1 R	2064060404I	1,5	1,1	4,2	2,4	-	80	440	57,0
LPC4/I 80-160/1,1	2064070404I	1,5	1,1	4,2	2,4	-	80	440	42,0
LPC4/I 80-160/1,5	2064080404I	1,5	1,1	4,2	2,4	-	80	440	41,0
LPC4/I 80-200/2,2	2064100404I	3	2,2	10,2	5,9	-	80	500	52,0
LPC4/I 80-200/3	2064110404I	4	3	11,8	6,8	-	80	500	59,0
LPC4/I 80-250/4	2064130404I	5,5	4	14,2	8,2	-	80	530	89,0
LPC4/I 80-250/5,5	2064140404I	7,5	5,5	-	10,6	6,1	80	530	112,0
LPC4/I 100-160/1,5	2065080404I	2	1,5	5,6	3,2	-	100	525	46,0
LPC4/I 100-160/2,2	2065100404I	3	2,2	8,3	5,9	-	100	525	51,0
LPC4/I 100-200/3	2065110404I	4	3	11,8	6,8	-	100	550	68,0
LPC4/I 100-200/4	2065120404I	5,5	4	14,2	8,2	-	100	550	78,0
LPC4/I 100-250/5,5	2065130404I	7,5	5,5	-	10,6	6,1	100	600	114,0
LPC4/I 100-250/7,5	2065140404I	10	7,5	-	15,3	8,8	100	600	119,0
LPC4/I 125-250/5,5	2067120404I	7,5	5,5	-	10,6	6,1	125	620	150,0
LPC4/I 125-250/5,5	2067130404I	7,5	5,5	-	10,6	6,1	125	620	150,0
LPC4/I 125-250/7,5	2067140404I	10	7,5	-	15,3	8,8	125	620	148,0
LPC4/I 125-250/11	2067150404I	15	11	-	22,4	12,9	125	620	188,0
LPC4/I 150-250/7,5	2068140404I	10	7,5	-	15,3	8,8	150	700	167,0
LPC4/I 150-250/11 R	2068150404I	15	11	-	22,4	12,9	150	700	208,0
LPC4/I 150-250/11	2068160404I	15	11	-	22,4	12,9	150	700	208,0
LPC4/I 150-250/15 R	2068170404I	20	15	-	30,5	17,6	150	700	227,0
LPC4/I 150-250/15	2068180404I	20	15	-	30,5	17,6	150	700	227,0

LPCD



In-line twin centrifugal pumps in cast iron

Selection table

Model	HP	kW	Q=Flow rate													
			l/min	100	125	150	175	200	225	250	300	350	400	450	500	600
			m ³ /h	6	7,5	9	10,5	12	13,5	15	18	21	24	27	30	36
			H=Total head [m]													
LPCD/I 40-125/0,75 R	1	0,75		12,5	11,6	10,6	9,7	8,5	7,4	5,5	-	-	-	-	-	-
LPCD/I 40-125/0,75	1	0,75		15,3	14,5	13,7	12,8	11,5	10,4	9,0	6,0	-	-	-	-	-
LPCD/I 40-125/1,1	1,5	1,1		20,5	19,7	19,0	18,1	17,1	15,9	14,5	11,2	7,5	-	-	-	-
LPCD/I 40-125/1,5	2	1,5		24,5	24,1	23,5	22,9	22,0	20,8	19,5	16,5	13,0	-	-	-	-
LPCD/I 50-125/1,5	2	1,5		-	-	-	-	16,0	15,7	15,5	15,0	14,2	13,2	11,9	10,5	7,0
LPCD/I 50-125/2,2	3	2,2		-	-	-	-	19,5	19,3	19,1	18,5	17,5	16,6	15,5	14,1	10,5
LPCD/I 50-125/3	4	3		-	-	-	-	24,7	24,6	24,5	24,2	23,7	23,0	21,8	20,5	17,0
LPCD/I 50-160/3	4	3		-	-	-	-	30,5	30,2	29,9	29,0	27,8	26,5	24,9	23,0	18,0
LPCD/I 50-160/4	5,5	4		-	-	-	-	37,0	36,8	36,5	35,5	34,6	33,5	32,2	30,7	26,5

Selection table

Model	HP	kW	Q=Flow rate																			
			l/min	350	400	450	500	600	700	800	900	1000	1250	1500	1750	2000	2250	2750	3000	3166	3500	3667
			m ³ /h	21	24	27	30	36	42	48	54	60	75	90	105	120	135	165	180	190	210	220
			H=Total head [m]																			
LPCD/I 65-160/3	4	3		23,0	22,5	22,0	21,3	19,7	17,2	14,5	-	-	-	-	-	-	-	-	-	-	-	-
LPCD/I 65-160/4	5,5	4		27,0	26,6	26,0	25,5	24,2	22,5	20,2	17,6	-	-	-	-	-	-	-	-	-	-	-
LPCD/I 65-160/5,5	7,5	5,5		-	32,3	32,0	31,5	30,8	29,5	28,0	25,8	23,5	-	-	-	-	-	-	-	-	-	-
LPCD/I 65-160/7,5	10	7,5		-	36,7	36,4	36,0	35,2	34,1	32,8	31,0	28,8	-	-	-	-	-	-	-	-	-	-
LPCD/I 80-160/7,5	10	7,5		-	-	-	-	25,5	25,2	24,7	24,0	23,3	20,5	16,9	12,5	-	-	-	-	-	-	-
LPCD/I 80-160/11	15	11		-	-	-	-	-	30,5	30,0	29,5	29,0	27,0	24,0	20,2	16,0	-	-	-	-	-	-
LPCD/I 80-160/15 R	20	15		-	-	-	-	-	36,0	35,5	35	34,5	32,8	30,0	27,0	23,0	19,0	-	-	-	-	-
LPCD/I 80-160/15	20	15		-	-	-	-	-	41,0	40,5	39,9	39,2	37,5	35,5	32,5	29,0	24,0	-	-	-	-	-
LPCD/I 100-200/11	15	11		-	-	-	-	-	-	-	-	24,5	23,5	22,0	20,5	18,5	16,0	10,5	7,0	4,0	-	-
LPCD/I 100-200/15 R	20	15		-	-	-	-	-	-	-	-	28,0	27,0	26,0	24,5	23,2	20,5	15,5	12,5	11,0	7,0	5,0
LPCD/I 100-200/15	20	15		-	-	-	-	-	-	-	-	38,5	37,5	36,5	35,0	33,0	31,0	26,0	-	-	-	-

LPCD(4)

LPCD



In-line twin centrifugal pumps in cast iron

Three phase 230/400/690V							2 Poles		
Model	Code	HP	kW	Abs. Curr. [A]			DNA DNM	Interaxle spacing [mm]	Weight [kg]
				230V	400V	690V			
LPCD/I 40-125/0,75 R	2070030004I	1	0,75	2,8	1,6	-	40	340	55,0
LPCD/I 40-125/0,75	2070050004I	1	0,75	2,8	1,6	-	40	340	55,0
LPCD/I 40-125/1,1	2070070004I	1,5	1,1	4,0	2,3	-	40	340	57,0
LPCD/I 40-125/1,5	2070080004I	2	1,5	5,7	3,3	-	40	340	59,0
LPCD/I 50-125/1,5	2071080004I	2	1,5	5,7	3,3	-	50	365	61,0
LPCD/I 50-125/2,2	2071100004I	3	2,2	8,0	4,6	-	50	365	64,0
LPCD/I 50-125/3	2071110004I	4	3	9,7	5,6	-	50	365	77,0
LPCD/I 50-160/3	2071110104I	4	3	9,7	5,6	-	50	410	78,0
LPCD/I 50-160/4	2071120004I	5,5	4	13,9	8,2	-	50	410	86,0
LPCD/I 65-160/3	2072110004I	4	3	9,7	5,6	-	65	450	92,0
LPCD/I 65-160/4	2072120004I	5,5	4	13,9	8,2	-	65	450	101,0
LPCD/I 65-160/5,5	2072130004I	7,5	5,5	-	10,2	5,9	65	450	112,0
LPCD/I 65-160/7,5	2072140004I	10	7,5	-	14,4	8,3	65	450	118,0
LPCD/I 80-160/7,5	2073140004I	10	7,5	-	14,4	8,3	80	510	141,0
LPCD/I 80-160/11	2073230004I	15	11	-	19,9	11,5	80	510	188,0
LPCD/I 80-160/15 R	2073240004I	20	15	-	26,8	15,5	80	510	193,0
LPCD/I 80-160/15	2073170004I	20	15	-	26,8	15,5	80	510	193,0
LPCD/I 100-200/11	2075120004I	15	11	-	19,9	11,5	100	630	226,0
LPCD/I 100-200/15 R	2075170004I	20	15	-	26,8	15,5	100	630	232,0
LPCD/I 100-200/15	2075160004I	20	15	-	26,8	15,5	100	630	232,0

LPCD4



In-line twin centrifugal pumps in cast iron (4 poles)

Selection table

Model	HP	kW	Q=Flow rate																
			l/min	40	50	75	100	125	150	175	200	225	250	300	350	400	450	500	600
			m3/h	2,4	3	4,5	6	7,5	9	10,5	12	13,5	15	18	21	24	27	30	36
			H=Total head [m]																
LPCD4 40-125/0,25 R	0,33	0,25		4,5	4,4	4,1	3,7	3,0	2,2	-	-	-	-	-	-	-	-	-	-
LPCD4 40-125/0,25	0,33	0,25		-	6,2	6,0	5,7	5,2	4,5	3,9	2,8	-	-	-	-	-	-	-	-
LPCD4 50-125/0,25	0,33	0,25		-	-	-	4,6	4,5	4,3	4,1	3,9	3,6	3,3	2,4	-	-	-	-	-
LPCD4 50-125/0,37	0,5	0,37		-	-	-	6,3	6,2	6,1	6,0	5,8	5,6	5,3	4,6	3,0	-	-	-	-
LPCD4 50-160/0,55	0,75	0,55		-	-	-	8,8	8,6	8,4	8,1	7,7	7,3	6,8	5,8	4,4	-	-	-	-
LPCD4/ 65-160/0,75	1	0,75		-	-	-	-	-	6,8	6,7	6,6	6,5	6,4	6,1	5,7	5,1	4,3	3,3	-
LPCD4/ 65-160/0,75	1	0,75		-	-	-	-	-	-	-	8,1	8,0	7,9	7,8	7,4	7,0	6,6	6,0	4,0
LPCD4/ 65-160/1,1	1,5	1,1		-	-	-	-	-	-	-	9,0	8,9	8,8	8,7	8,4	8,1	7,7	7,2	5,5

Selection table

Model	HP	kW	Q=Flow rate																
			l/min	300	350	400	450	500	600	700	800	900	1000	1100	1200	1300	1500	1750	2000
			m3/h	18	21	24	27	30	36	42	48	54	60	66	72	78	90	105	120
			H=Total head [m]																
LPCD4/ 80-160/0,75	1	0,75		6,3	6,1	6,0	5,8	5,6	4,9	4,0	3,2	-	-	-	-	-	-	-	-
LPCD4/ 80-160/1,1 R	1,5	1,1		7,3	7,2	7,1	7,0	6,8	6,3	5,6	4,8	3,8	-	-	-	-	-	-	-
LPCD4/ 80-160/1,1	1,5	1,1		8,5	8,5	8,4	8,3	8,2	7,9	7,3	6,7	5,9	5,0	-	-	-	-	-	-
LPCD4/ 80-160/1,5	2	1,5		10,2	10,1	10,0	9,9	9,8	9,5	9,0	8,4	7,5	6,5	-	-	-	-	-	-
LPCD4/ 100-200/1,5	2	1,5		-	-	-	-	8,1	7,8	7,4	7,0	6,5	5,9	5,2	4,5	3,8	-	-	-
LPCD4/ 100-200/2,2	3	2,2		-	-	-	-	10,2	10,0	9,7	9,3	9,0	8,6	8,2	7,7	7,2	6,0	-	-
LPCD4/ 100-200/3	4	3		-	-	-	-	-	12,0	11,8	11,5	11,3	10,9	10,5	10,0	9,5	8,5	7,0	-
LPCD4/ 100-200/4	5,5	4		-	-	-	-	-	14,3	14,2	14,0	13,8	13,4	13,1	12,7	12,2	11,0	9,0	6,5

Three phase 230/400V 4 Poles

Model	Code	HP	kW	Abs. Curr. [A]		DNA DNM	Interaxle spacing [mm]	Weight [kg]
				230V	400V			
LPCD4 40-125/0,25 R	2079010404	0,33	0,25	1,6	0,9	40	340	44,0
LPCD4 40-125/0,25	2070010404	0,33	0,25	1,6	0,9	40	340	44,0
LPCD4 50-125/0,25	2071010404	0,33	0,25	1,6	0,9	50	365	46,0
LPCD4 50-125/0,37	2071020404	0,5	0,37	2,1	1,2	50	365	47,0
LPCD4 50-160/0,55	2071030404	0,75	0,55	2,8	1,6	50	410	53,0
LPCD4/ 65-160/0,75	2072030404I	1	0,75	3	1,7	65	450	66,0
LPCD4/ 65-160/0,75	2072050404I	1	0,75	3	1,7	65	450	66,0
LPCD4/ 65-160/1,1	2072060404I	1,5	1,1	4,2	2,4	65	450	79,0
LPCD4/ 80-160/0,75	2073050404I	1	0,75	3	1,7	80	510	75,0
LPCD4/ 80-160/1,1 R	2073060404I	1,5	1,1	4,2	2,4	80	510	86,0
LPCD4/ 80-160/1,1	2073070404I	1,5	1,1	4,2	2,4	80	510	86,0
LPCD4/ 80-160/1,5	2073080404I	2	1,5	5,6	3,2	80	510	87,0
LPCD4/ 100-200/1,5	2074080404I	2	1,5	5,6	3,2	100	630	133,0
LPCD4/ 100-200/2,2	2074100404I	3	2,2	8,3	4,8	100	630	143,0
LPCD4/ 100-200/3	2074110404I	4	3	11,8	6,8	100	630	154,0
LPCD4/ 100-200/4	2074120404I	5,5	4	14,2	8,2	100	630	169,0

LPCD(4)

LPC - LPCD with E-drive

In-line single and twin centrifugal pumps in cast iron with variable frequency drive

In-line centrifugal pumps complete with inverter. Reliable, these pumps combine the features of a standard pump and all advantages of an E-drive system. Energy saving and high performances are his strengths points; the possibility to use different set points provide makes them even more suitable for increasing pressure in general, pressure boosting system, irrigation, washing systems and handling clean water.



Sturdy hydraulic frame



Low noise

Technical data

Max. pressure	6 bar for LPC 32-100/40-100 10 bar for the rest of the range
Liquid temperature	-10°C ÷ +110°C
Poles	2 and 4
MEI	> 0,4
Insulation class	F
Protection degree	IP55
Voltage	Three phase 230/400V ±10% up to 4 kW Three phase 400/690V ±10% from 5,5 kW

Materials

Pump body	Cast iron
Impeller	Cast iron
Shaft	AISI 420
Mechanical seal	Carbon/SiC/EPDM
Motor support	Cast iron

Accessories



Counterflanges kit

Page 390 - **Galvanized counterflanges kit**



Blind flanges

Page 390 - **Blind flange for LPCD**

LPC with E-drive



In-line single centrifugal pumps in cast iron with variable frequency drive

Selection table																	
Model	HP	kW	Q=Flow rate														
			l/min	50	100	125	150	175	200	225	250	300	350	400	450	500	600
			m ³ /h	3	6	7,5	9	10,5	12	13,5	15	18	21	24	27	30	36
			H=Total head [m]														
LPC 32-100/0,37	0,5	0,37		10,7	10,0	9,3	8,4	7,3	6,0	-	-	-	-	-	-	-	-
LPC 40-100/0,55	0,75	0,55		-	11,7	11,4	11,0	10,5	9,9	8,5	8,5	7,0	-	-	-	-	-
LPC/I 40-100/0,75	1	0,75		-	13,5	13,3	13,0	12,5	12,0	10,7	10,7	9,0	7,0	-	-	-	-
LPC/I 40-125/0,75	1	0,75		-	15,3	14,5	13,7	12,8	11,5	9,0	9,0	6,0	-	-	-	-	-
LPC/I 40-125/1,1	1,5	1,1		-	20,5	19,7	19,0	18,1	17,1	14,5	14,5	11,2	7,5	-	-	-	-
LPC/I 40-125/1,5	2	1,5		-	24,5	24,1	23,5	22,9	22,0	19,5	19,5	16,5	13	-	-	-	-
LPC/I 40-160/2,2	3	2,2		-	28,5	28,0	27,4	26,5	25,5	23,1	23,1	20,0	15,0	-	-	-	-
LPC/I 40-160/3 R	4	3		-	33,5	33,0	32,5	32,0	31,0	29,0	29,0	26,0	22,5	-	-	-	-
LPC/I 40-160/3	4	3		-	38,0	37,5	36,8	35,8	35,0	32,5	32,5	30	26,5	-	-	-	-
LPC/I 40-200/4	5,5	4		-	47,0	46,5	46,0	45,0	44,0	42,0	42,0	39,2	36,1	33,0	-	-	-
LPC/I 40-200/5,5	7,5	5,5		-	55,0	54,5	54,0	53,5	53,0	51,0	51,0	48,5	46,0	42,5	-	-	-
LPC/I 40-200/7,5	10	7,5		-	62,0	61,5	61,0	60,0	59,0	57,0	57,0	55,0	52,0	49,0	45,0	40,0	-
LPC/I 50-125/1,5	2	1,5		-	-	-	-	-	16,0	15,5	15,5	15,0	14,2	13,2	11,9	10,5	7,0
LPC/I 50-125/2,2	3	2,2		-	-	-	-	-	19,5	19,1	19,1	18,5	17,5	16,6	15,5	14,1	10,5
LPC/I 50-125/3	4	3		-	-	-	-	-	24,7	24,5	24,5	24,2	23,7	23,0	21,8	20,5	17,0
LPC/I 50-160/3	4	3		-	-	-	-	-	30,5	29,9	29,9	29,0	27,8	26,5	24,9	23,0	18,0
LPC/I 50-160/4	5,5	4		-	-	-	-	-	37,0	36,5	36,5	35,5	34,6	33,5	32,2	30,7	26,5
LPC/I 50-200/5,5	7,5	5,5		-	-	-	-	-	46,0	45,0	45,0	44,0	43,0	41,0	39,2	37,0	31,0
LPC/I 50-200/7,5 R	10	7,5		-	-	-	-	-	51,0	51,0	51,0	50,0	48,5	47,0	45,0	42,5	37,0
LPC/I 50-200/7,5	10	7,5		-	-	-	-	-	57,5	57,0	57,0	55,5	54,0	53,0	51,0	49,0	44,0

Selection table																					
Model	HP	kW	Q=Flow rate																		
			l/min	350	400	450	500	600	700	800	900	1000	1100	1216	1250	1500	1750	2000	2250	2500	2750
			m ³ /h	21	24	27	30	36	42	48	54	60	66	73	75	90	105	120	135	150	165
			H=Total head [m]																		
LPC/I 65-125/2,2	3	2,2		17,5	17,0	16,5	16,0	14,8	13	11,0	9,0	-	-	-	-	-	-	-	-	-	
LPC/I 65-125/3	4	3		-	21,0	20,6	20,1	19,0	17,6	16,0	14,0	12,0	-	-	-	-	-	-	-	-	
LPC/I 65-125/4	5,5	4		-	25,5	25,2	24,8	24,0	22,9	21,5	19,6	17,5	-	-	-	-	-	-	-	-	
LPC/I 65-160/5,5	7,5	5,5		-	32,3	32	31,5	30,8	29,5	28,0	25,8	23,5	-	-	-	-	-	-	-	-	
LPC/I 65-160/7,5	10	7,5		-	36,7	36,4	36,0	35,2	34,1	32,8	31,0	28,8	26,0	23,0	-	-	-	-	-	-	
LPC/I 65-200/11	15	11		-	51,0	50,0	49,0	48,0	45,5	43,0	39,7	36,0	31,5	27,0	-	-	-	-	-	-	
LPC/I 65-200/15	20	15		-	57,5	57,0	56,5	55,0	53,0	50,0	46,5	42,5	38,0	33,8	-	-	-	-	-	-	
LPC/I 80-160/11	13,6	10		-	-	-	-	-	30,5	30,0	29,5	29,0	28,3	27,5	27,0	24,0	20,2	16,0	-	-	
LPC/I 80-160/15 R	17	12,5		-	-	-	-	-	36,0	35,5	35,0	34,5	34,0	33,0	32,8	30,0	27,0	23,0	19,0	-	
LPC/I 80-160/15	20	15		-	-	-	-	-	41,0	40,5	39,9	39,2	38,6	37,8	37,5	35,5	32,5	29,0	24,0	-	
LPC/I 80-200/15	20	15		-	-	-	-	-	44,0	44,0	43,5	43,0	42,5	41,8	41,5	39,0	35,5	31,5	-	-	
LPC/I 80-200/18,5	25	18,5		-	-	-	-	-	50,5	50,0	50,0	49,5	49,0	48,8	48,5	46,5	43,0	39,5	35,0	-	
LPC/I 80-200/22	30	22		-	-	-	-	-	57,0	56,5	56,5	56,0	55,5	55,2	55	53,5	51,0	48,0	42,5	-	
LPC/I 100-160/11	13,6	10		-	-	-	-	-	-	-	23,5	23,6	23,2	23,0	22,0	20,7	19,5	18,1	16,5	14,0	

LPC(4) with E-drive

LPC with E-drive



In-line single centrifugal pumps in cast iron with variable frequency drive

Single phase supply inverter 230V - Three phase 230V pump							2 Poles
Model	Code	HP	kW	Max Abs. Curr. [A]* 230V	DNA DNM	Interaxle spacing [mm]	Weight [kg]
LPC 32-100/0,37 EDM	1547502001	0,5	0,37	15	32	220	16,0
LPC 40-100/0,55 EDM	1547502002	0,75	0,55	15	40	260	20,0
LPC/I 40-100/0,75 EDM DP	1547502003I	1	0,75	15	40	260	22,0
LPC/I 40-125/0,75 EDM DP	1547502004I	1	0,75	15	40	300	30,0
LPC/I 40-125/1,1 EDM DP	1547502005I	1,5	1,1	15	40	300	31,0
LPC/I 40-125/1,5 EDM DP	1547502006I	2	1,5	15	40	300	33,0
LPC/I 50-125/1,5 EDM DP	1547502013I	2	1,5	15	50	320	34,0

* Max. absorbed current from the inverter

Three phase supply inverter 400V - Three phase 400V pump							2 Poles
Model	Code	HP	kW	Max Abs. Curr. [A]* 400V	DNA DNM	Interaxle spacing [mm]	Weight [kg]
LPC 32-100/0,37 EDT DP	1547502029	0,5	0,37	10	32	220	16,0
LPC 40-100/0,55 EDT DP	1547502030	0,75	0,55	10	40	260	20,0
LPC/I 40-100/0,75 EDT DP	1547502031I	1	0,75	10	40	260	22,4
LPC/I 40-125/0,75 EDT DP	1547502032I	1	0,75	10	40	300	30,4
LPC/I 40-125/1,1 EDT DP	1547502033I	1,5	1,1	10	40	300	31,4
LPC/I 40-125/1,5 EDT DP	1547502034I	2	1,5	10	40	300	34,4
LPC/I 40-160/2,2 EDT DP	1547502007I	3	2,2	10	40	320	35,4
LPC/I 40-160/3R EDT DP	1547502008I	4	3	13,5	40	320	44,4
LPC/I 40-160/3 EDT DP	1547502009I	4	3	13,5	40	320	46,4
LPC/I 40-200/4 EDT DP	1547502010I	5,5	4	13,5	40	380	54,4
LPC/I 40-200/5,5 EDT DP	1547502011I	7,5	5,5	16	40	380	64,0
LPC/I 40-200/7,5 EDT DP	1547502012I	1	7,5	21	40	380	67,0
LPC/I 50-125/1,5 EDT DP	1547502035I	2	1,5	10	50	320	34,4
LPC/I 50-125/2,2 EDT DP	1547502014I	3	2,2	10	50	320	32,4
LPC/I 50-125/3 EDT DP	1547502015I	4	3	13,5	50	320	41,4
LPC/I 50-160/3 EDT DP	1547502016I	4	3	13,5	50	340	41,4
LPC/I 50-160/4 EDT DP	1547502017I	5,5	4	13,5	50	340	46,4
LPC/I 50-200/5,5 EDT DP	1547502018I	7,5	5,5	16	50	400	65,0
LPC/I 50-200/7,5R EDT DP	1547502019I	10	7,5	21	50	400	68,0
LPC/I 50-200/7,5 EDT DP	1547502020I	10	7,5	21	50	400	68,0
LPC/I 65-125/2,2 EDT DP	1547502021I	3	2,2	10	65	360	40,4
LPC/I 65-125/3 EDT DP	1547502022I	4	3	13,5	65	360	48,4
LPC/I 65-125/4 EDT DP	1547502023I	5,5	4	13,5	65	360	47,4
LPC/I 65-160/5,5 EDT DP	1547502024I	7,5	5,5	16	65	400	63,0
LPC/I 65-160/7,5 EDT DP	1547502025I	10	7,5	21	65	400	65,0
LPC/I 65-200/11 EDT DP	1547502026I	15	11	31	65	440	90,0
LPC/I 80-160/11 EDT DP	1547502027I	15	11	31	80	440	92,0
LPC/I 100-160/11 EDT DP	1547502028I	15	11	31	100	525	96,0

* Max. absorbed current from the inverter

LPC4 with E-drive



In-line single centrifugal pumps in cast iron with variable frequency drive (4 poles)

Selection table																						
Model	HP	kW	Q=Flow rate																			
			l/min	30	40	50	75	85	100	125	150	167	175	200	225	250	300	350	400	417	450	500
			m ³ /h	1,8	2,4	3	4,5	5,1	6	7,5	9	10	10,5	12	13,5	15	18	21	24	25	27	30
H=Total head [m]																						
LPC4 32-100/0,25	0,33	0,25		3,3	3,2	3,1	2,7	2,5	2,1	1,2	-	-	-	-	-	-	-	-	-	-	-	
LPC4 40-100/0,25	0,33	0,25		-	3,6	3,6	3,5	3,4	3,3	2,9	2,5	2,2	2,0	1,5	-	-	-	-	-	-	-	
LPC4 40-125/0,25 R	0,33	0,25		-	4,5	4,4	4,1	3,9	3,7	3,0	2,2	-	-	-	-	-	-	-	-	-	-	
LPC4 40-125/0,25	0,33	0,25		-	-	6,2	6,0	5,9	5,7	5,2	4,5	4,1	3,9	2,8	-	-	-	-	-	-	-	
LPC4 40-160/0,37	0,55	0,37		-	-	9,4	9,2	9,1	8,9	8,4	7,7	7,4	6,9	5,8	4,7	-	-	-	-	-	-	
LPC4/I 40-200/0,75	1	0,75		-	-	-	12,8	12,6	12,4	11,9	11,3	11,0	10,6	9,8	9,0	8,0	6,0	-	-	-	-	
LPC4/I 40-200/1,1	1,5	1,1		-	-	-	14,6	14,5	14,3	13,8	13,3	13,0	12,7	11,8	10,9	10,0	8,0	-	-	-	-	
LPC4/I 40-250/1,1	1,5	1,1		-	-	-	-	18,5	18,0	17,5	17	16,3	16	14,5	13,0	11,0	-	-	-	-	-	
LPC4/I 40-250/1,5	2	1,5		-	-	-	-	-	21,5	21	20,5	19,7	19,5	18	16,5	15	-	-	-	-	-	
LPC4 50-125/0,25	0,3	0,25		-	-	-	-	-	4,6	4,5	4,3	4,2	4,1	3,9	3,6	3,3	2,4	-	-	-	-	
LPC4 50-125/0,37	0,55	0,37		-	-	-	-	-	6,3	6,2	6,1	6,0	6,0	5,8	5,6	5,3	4,6	3	-	-	-	
LPC4 50-160/0,55	0,75	0,55		-	-	-	-	-	8,8	8,6	8,4	8,2	8,1	7,7	7,3	6,8	5,8	4,4	-	-	-	
LPC4/I 50-200/1,1 R	1,5	1,1		-	-	-	-	-	12,7	12,5	12,1	12	11,7	11,2	10,7	10,1	8,5	6,8	-	-	-	
LPC4/I 50-200/1,1	1,5	1,1		-	-	-	-	-	14,2	14	13,8	13,7	13,4	13,0	12,5	11,8	10,2	8,3	6,0	-	-	
LPC4/I 50-250/1,5	2	1,5		-	-	-	-	-	-	-	-	17,5	17,4	17,0	16,6	16,2	15,0	13,7	12,0	11,0	10,0	
LPC4/I 50-250/2,2	3	2,2		-	-	-	-	-	-	-	-	21,8	21,7	21,4	21,0	20,5	19,5	18,5	17,0	15,4	14,0	

Selection table																									
Model	HP	kW	Q=Flow rate																						
			l/min	150	167	175	200	225	250	300	350	400	417	450	500	600	700	750	800	900	1000	1100	1200	1300	1500
			m ³ /h	9	10	10,5	12	13,5	15	18	21	24	25	27	30	36	42	45	48	54	60	66	72	78	90
H=Total head [m]																									
LPC4 65-125/0,37	0,5	0,37		5,3	5,3	5,3	5,2	5,1	5,0	4,8	4,5	4,1	3,7	3,6	3,0	-	-	-	-	-	-				
LPC4 65-125/0,55	0,75	0,55		6,4	6,4	6,3	6,2	6,1	6,0	5,8	5,5	5,2	5,1	4,9	4,4	-	-	-	-	-	-				
LPC4/I 65-160/0,75	1	0,75		-	-	-	8,1	8,0	7,9	7,8	7,4	7,0	6,8	6,6	6,0	4,0	-	-	-	-	-				
LPC4/I 65-160/1,1	1,5	1,1		-	-	-	9,0	8,9	8,8	8,7	8,4	8,1	7,9	7,7	7,2	5,5	-	-	-	-	-				
LPC4/I 65-200/1,1	1,5	1,1		-	-	-	12,3	12,2	12	11,5	10,8	10,0	9,4	9,0	8,0	5,8	-	-	-	-	-				
LPC4/I 65-200/1,5	2	1,5		-	-	-	14,1	14,1	14,4	13,6	13,0	12,1	11,9	11,2	10,1	7,8	5,0	-	-	-	-				
LPC4/I 65-250/2,2	3	2,2		-	-	-	-	18,0	17,5	17,0	16,0	15,8	15,0	14,0	11,8	9,5	8,5	-	-	-	-				
LPC4/I 65-250/3	4	3		-	-	-	-	22,3	22	21,5	21,0	20,8	20,2	19,4	17,3	14,0	12,5	10,6	-	-	-				
LPC4/I 80-160/0,75	1	0,75		-	-	-	-	-	6,3	6,1	6,0	5,9	5,8	5,6	4,9	4,0	3,6	-	-	-	-				
LPC4/I 80-160/1,1 R	1,5	1,1		-	-	-	-	-	7,3	7,2	7,1	7,1	7,0	6,8	6,3	5,6	5,3	4,8	3,8	-	-				
LPC4/I 80-160/1,1	1,5	1,1		-	-	-	-	-	8,5	8,5	8,4	8,4	8,3	8,2	7,9	7,3	7,1	6,7	5,9	5,0	-				
LPC4/I 80-160/1,5	2	1,5		-	-	-	-	-	10,2	10,1	10,0	10,0	9,9	9,8	9,5	9,0	8,8	8,4	7,5	6,5	-				
LPC4/I 80-200/2,2	3	2,2		-	-	-	-	-	-	-	12,5	12,5	12,4	12,3	12,1	11,7	11,2	11,1	10,4	9,6	8,5				
LPC4/I 80-200/3	4	3		-	-	-	-	-	-	-	15,3	15,3	15,2	15,1	15,0	14,6	14,2	14,2	13,6	12,8	11,9				
LPC4/I 80-250/4	5,5	4		-	-	-	-	-	-	19,9	19,8	19,8	19,7	19,5	19,0	18,4	18,0	17,5	16,5	15,2	13,8				
LPC4/I 80-250/5,5	7,5	5,5		-	-	-	-	-	-	-	-	23,0	22,9	22,8	22,5	22,0	21,8	21,5	20,6	19,7	18,7				

LPC(4) with E-drive

LPC4 with E-drive



In-line single centrifugal pumps in cast iron with variable frequency drive (4 poles)

Selection table																										
Model	HP	kW	Q=Flow rate																							
			l/min	600	667	700	800	833	900	1000	1100	1200	1250	1500	1667	1750	2000	2250	2500	2750	3000	3500	4500	4667	5000	
			m ³ /h	36	40	42	48	50	54	60	66	72	75	90	100	105	120	135	150	165	180	210	270	280	300	
H=Total head [m]																										
LPC4/I 100-160/1,5	2	1,5		7,7	7,6	7,5	7,2	7,1	7,0	6,7	6,4	6,1	6,0	5,0	-	-	-	-	-	-	-	-	-	-	-	
LPC4/I 100-160/2,2	3	2,2		9,7	9,6	9,5	9,4	9,3	9,1	8,8	8,5	8,2	8,0	7,1	6,3	6,0	-	-	-	-	-	-	-	-	-	
LPC4/I 100-200/3	4	3		12,0	11,9	11,8	11,5	11,4	11,3	10,9	10,5	10,0	9,6	8,5	7,5	7,0	-	-	-	-	-	-	-	-	-	
LPC4/I 100-200/4	5,5	4		14,4	14,3	14,2	14,0	13,9	13,8	13,4	13,1	12,7	12,4	11,0	9,7	9,0	6,5	-	-	-	-	-	-	-	-	
LPC4/I 100-250/5,5	7,5	5,5		-	-	-	19,2	19,0	18,9	18,5	18,1	17,7	17,5	16,0	14,9	14,5	12,0	-	-	-	-	-	-	-	-	
LPC4/I 100-250/7,5	10	7,5		-	-	-	22,3	22,2	22,1	21,9	21,7	21,3	21,1	20,0	19,0	18,5	16,8	14,5	-	-	-	-	-	-	-	
LPC4/I 125-250/5,5	7,5	5,5		-	12,7	12,6	12,4	12,3	12,2	11,9	11,8	11,0	10,9	9,6	8,6	8,0	6,0	3,5	-	-	-	-	-	-	-	
LPC4/I 125-250/5,5	7,5	5,5		-	-	-	-	15,6	15,5	15,2	15,0	14,6	14,4	12,4	12,3	12,0	10,0	8,0	6,0	-	-	-	-	-	-	
LPC4/I 125-250/7,5	10	7,5		-	-	-	-	19,5	19,4	19,2	19,0	18,8	17,7	18,0	17,5	17,0	15,7	14,0	12,5	10,5	-	-	-	-	-	
LPC4/I 125-250/11	15	11		-	-	-	-	-	-	21,6	21,4	21,3	21,2	20,8	20,3	20,0	19,0	17,8	16,2	14,2	12,0	-	-	-	-	
LPC4/I 150-250/7,5	10	7,5		-	-	-	-	-	-	-	-	-	15,0	14,7	14,4	14,3	13,8	13,3	12,6	11,8	11,0	9,0	4,0	-	-	
LPC4/I 150-250/11 R	15	11		-	-	-	-	-	-	-	-	-	-	-	16,6	16,5	16,0	15,5	15,0	14,2	13,5	11,8	7,4	6,8	4,6	
LPC4/I 150-250/11	15	11		-	-	-	-	-	-	-	-	-	18,9	18,5	18,2	18,0	17,7	17,2	16,7	16,2	15,3	13,6	9,4	-	-	
LPC4/I 150-250/15 R	20	15		-	-	-	-	-	-	-	-	-	20,5	20,1	19,9	19,8	19,5	19,0	18,6	18,0	17,4	15,7	11,9	10,5	-	
LPC4/I 150-250/15	20	15		-	-	-	-	-	-	-	-	-	-	-	20,8	20,7	20,5	19,8	19,5	19,0	18,5	17,0	13,0	11,8	10,5	

Single phase supply inverter 230V - Three phase 230V pump							4 Poles	
Model	Code	HP	kW	Max Abs. Curr. [A]* 230V	DNA DNM	Interaxle spacing [mm]	Weight [kg]	
LPC4 32-100/0,25 EDM DP	1547502201	0,33	0,25	15	32	220	16,0	
LPC4 40-100/0,25 EDM DP	1547502202	0,33	0,25	15	40	260	20,0	
LPC4 40-125/0,25R EDM DP	1547502203	0,33	0,25	15	40	300	24,0	
LPC4 40-125/0,25 EDM DP	1547502204	0,5	0,37	15	40	300	24,0	
LPC4 40-160/0,37 EDM DP	1547502205	0,75	0,55	15	40	320	27,0	
LPC4/I 40-200/0,75 EDM DP	1547502206I	1	0,75	15	40	380	36,0	
LPC4/I 40-200/1,1 EDM DP	1547502207I	1	0,75	15	40	380	41,0	
LPC4/I 40-250/1,1 EDM DP	1547502208I	1,5	1,1	15	40	440	59,0	
LPC4/I 40-250/1,5 EDM DP	1547502209I	1	0,75	15	40	440	56,0	
LPC4 50-125/0,25 EDM DP	1547502210	1,5	1,1	15	50	320	25,0	
LPC4 50-125/0,37 EDM DP	1547502211	1,5	1,1	15	50	320	26,0	
LPC4 50-160/0,55 EDM DP	1547502212	2	1,5	15	50	340	29,0	
LPC4/I 50-200/1,1R EDM DP	1547502213I	2	1,5	15	50	400	44,0	
LPC4/I 50-200/1,1 EDM DP	1547502214I	3	2,2	15	50	400	44,0	
LPC4/I 50-250/1.5 EDM DP	1547502215I	4	3	15	50	400	57,0	
LPC4 65-125/0,37 EDM DP	1547502217	0,5	0,37	15	65	360	29	
LPC4 65-125/0,55 EDM DP	1547502218	0,77	0,55	15	65	360	30	
LPC4/I 65-160/0,75 EDM DP	1547502219I	1	0,75	15	65	400	38	
LPC4/I 65-160/1,1 EDM DP	1547502220I	1,5	1,1	15	65	400	43	
LPC4/I 65-200/1,1 EDM DP	1547502221I	1,5	1,1	15	65	440	46	
LPC4/I 65-200/1,5 EDM DP	1547502222I	2	1,5	15	65	440	45	
LPC4/I 80-160/0,75 EDM DP	1547502225I	1	0,75	15	80	440	55	
LPC4/I 80-160/1,1R EDM DP	1547502226I	1,5	1,1	15	80	440	61	
LPC4/I 80-160/1,1 EDM DP	1547502227I	1,5	1,1	15	80	440	46	
LPC4/I 80-160/1,5 EDM DP	1547502228I	1,5	1,1	15	80	440	45	
LPC4/I 100-160/1,5 EDM DP	1547502233I	2	1,5	15	100	525	50	

* Max. absorbed current from the inverter

LPC4 with E-drive



In-line single centrifugal pumps in cast iron with variable frequency drive (4 poles)

Three phase supply inverter 400V - Three phase 400V pump							4 Poles
Model	Code	HP	kW	Max Abs. Curr. [A]* 400V	DNA DNM	Interaxle spacing [mm]	Weight [kg]
LPC4 32-100/0,25 EDT DP	1547502246	0,33	0,25	10	32	220	16,0
LPC4 40-100/0,25 EDT DP	1547502247	0,33	0,25	10	40	260	20,0
LPC4 40-125/0,25R EDT DP	1547502248	0,33	0,25	10	40	300	24,0
LPC4 40-125/0,25 EDT DP	1547502249	0,5	0,37	10	40	300	24,0
LPC4 40-160/0,37 EDT DP	1547502250	0,75	0,55	10	40	320	27,0
LPC4/I 40-200/0,75 EDT DP	1547502251I	1	0,75	10	40	380	36,4
LPC4/I 40-200/1,1 EDT DP	1547502252I	1	0,75	10	40	380	41,4
LPC4/I 40-250/1,1 EDT DP	1547502253I	1,5	1,1	10	40	440	59,4
LPC4/I 40-250/1,5 EDT DP	1547502254I	1	0,75	10	40	440	56,4
LPC4 50-125/0,25 EDT DP	1547502255	1,5	1,1	10	50	320	25,0
LPC4 50-125/0,37 EDT DP	1547502256	1,5	1,1	10	50	320	26,0
LPC4 50-160/0,55 EDT DP	1547502257	2	1,5	10	50	340	29,0
LPC4/I 50-200/1,1R EDT DP	1547502258I	2	1,5	10	50	400	44,4
LPC4/I 50-200/1,1 EDT DP	1547502259I	3	2,2	10	50	400	44,4
LPC4/I 50-250/1,5 EDT DP	1547502260I	4	3	10	50	400	57,4
LPC4/I 50-250/2,2 EDT DP	1547502216I	5,5	4	10	50	440	61,4
LPC4 65-125/0,37 EDT DP	1547502261	0,5	0,37	10	65	360	29,0
LPC4 65-125/0,55 EDT DP	1547502262	0,75	0,55	10	65	360	30,0
LPC4/I 65-160/0,75 EDT DP	1547502263I	1	0,75	10	65	400	38,4
LPC4/I 65-160/1,1 EDT DP	1547502264I	1,5	1,1	10	65	400	43,4
LPC4/I 65-200/1,1 EDT DP	1547502265I	1,5	1,1	10	65	440	46,4
LPC4/I 65-200/1,5 EDT DP	1547502266I	2	1,5	10	65	440	45,4
LPC4/I 65-250/2,2 EDT DP	1547502223I	3	2,2	10	65	475	71,4
LPC4/I 65-250/3 EDT DP	1547502224I	4	3	13,5	65	475	72,4
LPC4/I 80-160/0,75 EDT DP	1547502267I	1	0,75	10	80	440	55,4
LPC4/I 80-160/1,1R EDT DP	1547502271I	1,5	1,1	10	80	440	61,4
LPC4/I 80-160/1,1 EDT DP	1547502268I	1,5	1,1	10	80	440	46,4
LPC4/I 80-160/1,5 EDT DP	1547502269I	2	1,5	10	80	440	45,4
LPC4/I 80-200/2,2 EDT DP	1547502229I	3	2,2	10	80	500	56,4
LPC4/I 80-200/3 EDT DP	1547502230I	4	3	13,5	80	500	63,4
LPC4/I 80-250/4 EDT DP	1547502231I	5,5	4	13,5	80	530	87,4
LPC4/I 80-250/5,5 EDT DP	1547502232I	7,5	5,5	16	80	530	114,0
LPC4/I 100-160/1,5 EDT DP	1547502270I	2	1,5	10	100	525	50,4
LPC4/I 100-160/2,2 EDT DP	1547502234I	3	2,2	10	100	525	55,4
LPC4/I 100-200/3 EDT DP	1547502235I	4	3	13,5	100	550	72,4
LPC4/I 100-200/4 EDT DP	1547502236I	5,5	4	13,5	100	550	76,4
LPC4/I 100-250/5,5 EDT DP	1547502237I	7,5	5,5	16	100	600	116,0
LPC4/I 100-250/7,5 EDT DP	1547502238I	10	7,5	21	100	600	126,0
LPC4/I 125-250/5,5R EDT DP	1547502239I	7,5	5,5	16	125	620	152,0
LPC4/I 125-250/5,5 EDT DP	1547502240I	7,5	5,5	16	125	620	152,0
LPC4/I 125-250/7,5 EDT DP	1547502241I	10	7,5	21	125	620	155,0
LPC4/I 125-250/11 EDT DP	1547502242I	15	11	31	125	620	195,0
LPC4/I 150-250/7,5 EDT DP	1547502243I	10	7,5	21	150	700	174,0
LPC4/I 150-250/11R EDT DP	1547502244I	15	11	31	150	700	215,0
LPC4/I 150-250/11 EDT DP	1547502245I	15	11	31	150	700	215,0

* Max. absorbed current from the inverter

LPCD with E-drive



In-line twin centrifugal pumps in cast iron with variable frequency drive

Selection table																
Model	HP	kW	Q=Flow rate													
			l/min	100	125	150	175	200	225	250	300	350	400	450	500	600
			m ³ /h	6	7,5	9	10,5	12	13,5	15	18	21	24	27	30	36
H=Total head [m]																
LPCD/I 40-125/0,75 R	1	0,75		12,5	11,6	10,6	9,7	8,5	7,4	5,5	-	-	-	-	-	-
LPCD/I 40-125/0,75	1	0,75		15,3	14,5	13,7	12,8	11,5	10,4	9,0	6,0	-	-	-	-	-
LPCD/I 40-125/1,1	1,5	1,1		20,5	19,7	19,0	18,1	17,1	15,9	14,5	11,2	7,5	-	-	-	-
LPCD/I 40-125/1,5	2	1,5		24,5	24,1	23,5	22,9	22,0	20,8	19,5	16,5	13,0	-	-	-	-
LPCD/I 50-125/1,5	2	1,5		-	-	-	-	16,0	15,7	15,5	15,0	14,2	13,2	11,9	10,5	7,0
LPCD/I 50-125/2,2	3	2,2		-	-	-	-	19,5	19,3	19,1	18,5	17,5	16,6	15,5	14,1	10,5
LPCD/I 50-125/3	4	3		-	-	-	-	24,7	24,6	24,5	24,2	23,7	23,0	21,8	20,5	17,0
LPCD/I 50-160/3	4	3		-	-	-	-	30,5	30,2	29,9	29,0	27,8	26,5	24,9	23,0	18,0
LPCD/I 50-160/4	5,5	4		-	-	-	-	37,0	36,8	36,5	35,5	34,6	33,5	32,2	30,7	26,5

Selection table																						
Model	HP	kW	Q=Flow rate																			
			l/min	350	400	450	500	600	700	800	900	1000	1250	1500	1750	2000	2250	2750	3000	3166	3500	3667
			m ³ /h	21	24	27	30	36	42	48	54	60	75	90	105	120	135	165	180	190	210	220
H=Total head [m]																						
LPCD/I 65-160/3	4	3		23,0	22,5	22,0	21,3	19,7	17,2	14,5	-	-	-	-	-	-	-	-	-	-		
LPCD/I 65-160/4	5,5	4		27,0	26,6	26,0	25,5	24,2	22,5	20,2	17,6	-	-	-	-	-	-	-	-	-		
LPCD/I 65-160/5,5	7,5	5,5		-	32,3	32,0	31,5	30,8	29,5	28,0	25,8	23,5	-	-	-	-	-	-	-	-		
LPCD/I 65-160/7,5	10	7,5		-	36,7	36,4	36,0	35,2	34,1	32,8	31,0	28,8	-	-	-	-	-	-	-	-		
LPCD/I 80-160/7,5	10	7,5		-	-	-	-	25,5	25,2	24,7	24,0	23,3	20,5	16,9	12,5	-	-	-	-	-		
LPCD/I 80-160/11	15	11		-	-	-	-	-	30,5	30,0	29,5	29,0	27,0	24,0	20,2	16,0	-	-	-	-		
LPCD/I 80-160/15 R	20	15		-	-	-	-	-	36,0	35,5	35	34,5	32,8	30,0	27,0	23,0	19,0	-	-	-		
LPCD/I 80-160/15	20	15		-	-	-	-	-	41,0	40,5	39,9	39,2	37,5	35,5	32,5	29,0	24,0	-	-	-		
LPCD/I 100-200/11	15	11		-	-	-	-	-	-	-	-	24,5	23,5	22,0	20,5	18,5	16,0	10,5	7,0	4,0		

LPCD with E-drive



In-line twin centrifugal pumps in cast iron with variable frequency drive

Single phase supply inverter 230V - Three phase 230V pump							2 Poles
Model	Code	HP	kW	Max Abs. Curr. [A]* 230V	DNA DNM	Interaxle spacing [mm]	Weight [kg]
LPCD/I 40-125/0,75R EDM DP	1547502101I	1	0,75	2 x 15	40	340	69,0
LPCD/I 40-125/0,75 EDM DP	1547502102I	1	0,75	2 x 15	40	340	55,0
LPCD/I 40-125/1,1 EDM DP	1547502103I	1,5	1,1	2 x 15	40	340	55,0
LPCD/I 40-125/1,5 EDM DP	1547502104I	2	1,5	2 x 15	40	340	55,0
LPCD/I 50-125/1,5 EDM DP	1547502105I	2	1,5	2 x 15	50	365	59,0

* Max. absorbed current from the inverter

Three phase supply inverter 400V - Three phase 400V pump							2 Poles
Model	Code	HP	kW	Max Abs. Curr. [A]* 400V	DNA DNM	Interaxle spacing [mm]	Weight [kg]
LPCD/I 40-125/0,75 R EDT DP	1547502118I	1	0,75	2 x 10	40	340	73,4
LPCD/I 40-125/0,75 EDT DP	1547502119I	1	0,75	2 x 10	40	340	59,4
LPCD/I 40-125/1,1 EDT DP	1547502120I	1,5	1,1	2 x 10	40	340	59,4
LPCD/I 40-125/1,5 EDT DP	1547502121I	2	1,5	2 x 10	40	340	63,4
LPCD/I 50-125/1,5 EDT DP	1547502122I	2	1,5	2 x 10	50	365	65,4
LPCD/I 50-125/2,2 EDT DP	1547502106I	3	2,2	2 x 10	50	365	68,4
LPCD/I 50-125/3 EDT DP	1547502107I	4	3	2 x 13,5	50	365	81,4
LPCD/I 50-160/3 EDT DP	1547502108I	4	3	2 x 13,5	50	410	82,4
LPCD/I 50-160/4 EDT DP	1547502109I	5,5	4	2 x 13,5	50	410	90,4
LPCD/I 65-160/3 EDT DP	1547502110I	4	3	2 x 13,5	65	450	96,4
LPCD/I 65-160/4 EDT DP	1547502111I	5,5	4	2 x 13,5	65	450	105,4
LPCD/I 65-160/5,5 EDT DP	1547502112I	7,5	5,5	2 x 16	65	450	119,0
LPCD/I 65-160/7,5 EDT DP	1547502113I	10	7,5	2 x 21	65	450	125,0
LPCD/I 80-160/7,5 EDT DP	1547502114I	10	7,5	2 x 21	80	510	148,0
LPCD/I 80-160/11 EDT DP	1547502115I	15	11	2 x 31	80	510	195,0
LPCD/I 100-200/11 EDT DP	1547502116I	15	11	2 x 31	100	630	233,0

* Max. absorbed current from the inverter

LPCD4 with E-drive



In-line twin centrifugal pumps in cast iron with variable frequency drive (4 poles)

Selection table

Model	HP	kW	Q=Flow rate																
			l/min	40	50	75	100	125	150	175	200	225	250	300	350	400	450	500	600
			m ³ /h	2,4	3	4,5	6	7,5	9	10,5	12	13,5	15	18	21	24	27	30	36
			H=Total head [m]																
LPCD4 40-125/0,25 R	0,33	0,25		4,5	4,4	4,1	3,7	3,0	2,2	-	-	-	-	-	-	-	-	-	-
LPCD4 40-125/0,25	0,33	0,25		-	6,2	6,0	5,7	5,2	4,5	3,9	2,8	-	-	-	-	-	-	-	-
LPCD4 50-125/0,25	0,33	0,25		-	-	-	4,6	4,5	4,3	4,1	3,9	3,6	3,3	2,4	-	-	-	-	-
LPCD4 50-125/0,37	0,5	0,37		-	-	-	6,3	6,2	6,1	6,0	5,8	5,6	5,3	4,6	3,0	-	-	-	-
LPCD4 50-160/0,55	0,75	0,55		-	-	-	8,8	8,6	8,4	8,1	7,7	7,3	6,8	5,8	4,4	-	-	-	-
LPCD4/I 65-160/0,75	1	0,75		-	-	-	-	-	6,8	6,7	6,6	6,5	6,4	6,1	5,7	5,1	4,3	3,3	-
LPCD4/I 65-160/0,75	1	0,75		-	-	-	-	-	-	-	8,1	8,0	7,9	7,8	7,4	7,0	6,6	6,0	4,0
LPCD4/I 65-160/1,1	1,5	1,1		-	-	-	-	-	-	-	9,0	8,9	8,8	8,7	8,4	8,1	7,7	7,2	5,5

Selection table

Model	HP	kW	Q=Flow rate																
			l/min	300	350	400	450	500	600	700	800	900	1000	1100	1200	1300	1500	1750	2000
			m ³ /h	18	21	24	27	30	36	42	48	54	60	66	72	78	90	105	120
			H=Total head [m]																
LPCD4/I 80-160/0,75	1	0,75		6,3	6,1	6,0	5,8	5,6	4,9	4,0	3,2	-	-	-	-	-	-	-	-
LPCD4/I 80-160/1,1 R	1,5	1,1		7,3	7,2	7,1	7,0	6,8	6,3	5,6	4,8	3,8	-	-	-	-	-	-	-
LPCD4/I 80-160/1,1	1,5	1,1		8,5	8,5	8,4	8,3	8,2	7,9	7,3	6,7	5,9	5,0	-	-	-	-	-	-
LPCD4/I 80-160/1,5	2	1,5		10,2	10,1	10,0	9,9	9,8	9,5	9,0	8,4	7,5	6,5	-	-	-	-	-	-
LPCD4/I 100-200/1,5	2	1,5		-	-	-	-	8,1	7,8	7,4	7,0	6,5	5,9	5,2	4,5	3,8	-	-	-
LPCD4/I 100-200/2,2	3	2,2		-	-	-	-	10,2	10,0	9,7	9,3	9,0	8,6	8,2	7,7	7,2	6,0	-	-
LPCD4/I 100-200/3	4	3		-	-	-	-	-	12,0	11,8	11,5	11,3	10,9	10,5	10,0	9,5	8,5	7,0	-
LPCD4/I 100-200/4	5,5	4		-	-	-	-	-	14,3	14,2	14,0	13,8	13,4	13,1	12,7	12,2	11,0	9,0	6,5

LPCD4 with E-drive



In-line twin centrifugal pumps in cast iron with variable frequency drive (4 poles)

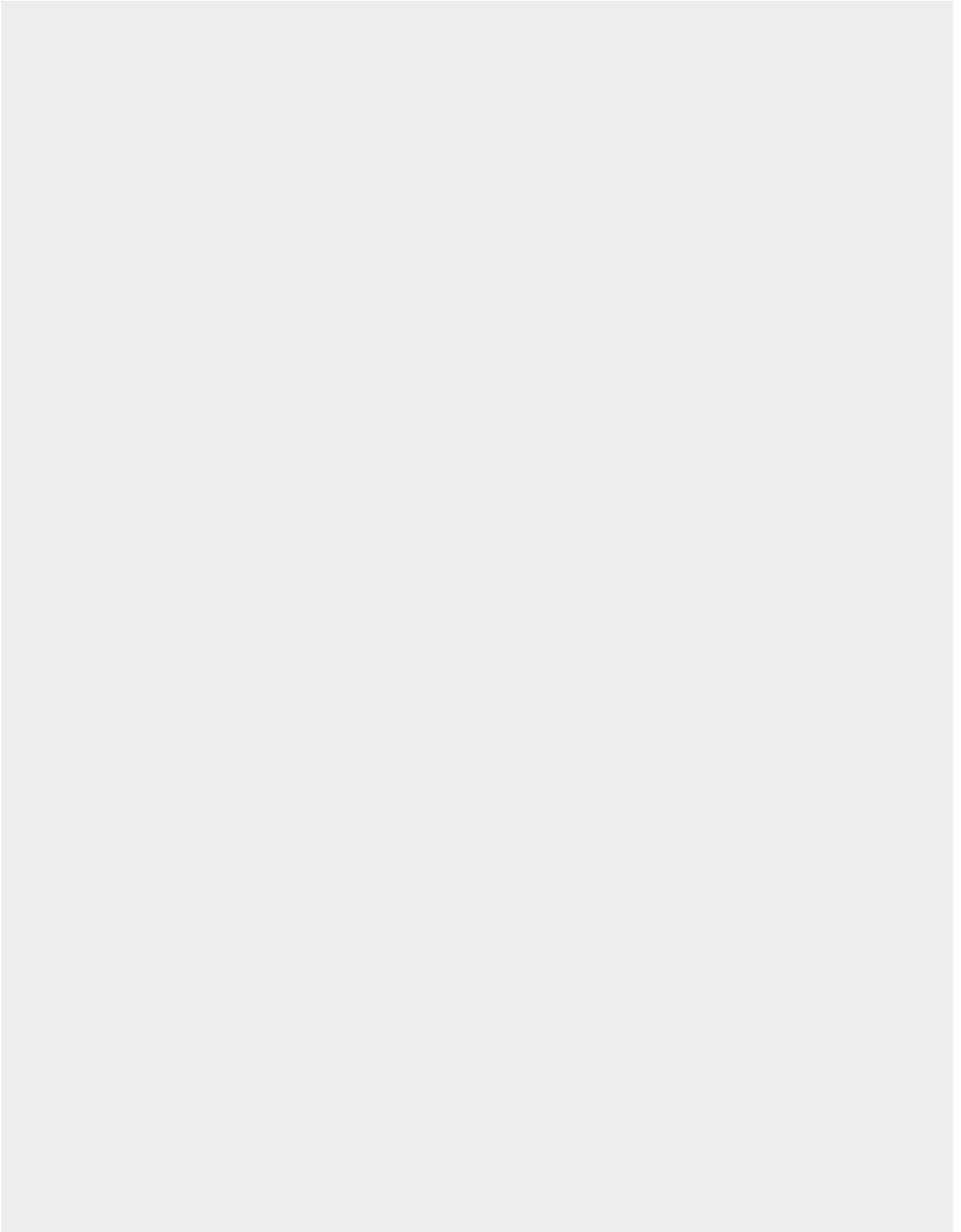
Single phase supply inverter 230V - Three phase 230V pump							4 Poles
Model	Code	HP	kW	Max Abs. Curr. [A]* 230V	DNA DNM	Interaxle spacing [mm]	Weight [kg]
LPCD4 40-125/0,25R EDM DP	1547502301	0,33	0,25	2 x 15	40	340	52,0
LPCD4 40-125/0,25 EDM DP	1547502302	0,33	0,25	2 x 15	40	340	52,0
LPCD4 50-125/0,25 EDM DP	1547502303	0,33	0,25	2 x 15	50	365	55,0
LPCD4 50-125/0,37 EDM DP	1547502304	0,5	0,37	2 x 15	50	365	54,0
LPCD4 50-160/0,55 EDM DP	1547502305	0,75	0,55	2 x 15	50	410	61,0
LPCD4/I 65-160/0,75 R EDM DP	1547502306I	1	0,75	2 x 15	65	450	74,0
LPCD4/I 65-160/0,75 EDM DP	1547502307I	1	0,75	2 x 15	65	450	83,0
LPCD4/I 65-160/1,1 EDM DP	1547502308I	1,5	1,1	2 x 15	65	450	91,0
LPCD4/I 80-160/0,75 EDM DP	1547502309I	1	0,75	2 x 15	80	510	90,0
LPCD4/I 80-160/1,1R EDM DP	1547502310I	1,5	1,1	2 x 15	80	510	98,0
LPCD4/I 80-160/1,1 EDM DP	1547502311I	1,5	1,1	2 x 15	80	510	103,0
LPCD4/I 80-160/1,5 EDM DP	1547502312I	2	1,5	2 x 15	80	510	103,0
LPCD4/I 100-200/1,5 EDM DP	1547502313I	2	1,5	2 x 15	100	630	150,0

* Max. absorbed current from the inverter

Three phase supply inverter 400V - Three phase 400V pump							4 Poles
Model	Code	HP	kW	Abs. Curr. [A]* 400V	DNA DNM	Interaxle spacing [mm]	Weight [kg]
LPCD4 40-125/0,25R EDT DP	1547502317	0,33	0,25	2 x 10	40	340	52,0
LPCD4 40-125/0,25 EDT DP	1547502318	0,33	0,25	2 x 10	40	340	52,0
LPCD4 50-125/0,25 EDT DP	1547502319	0,33	0,25	2 x 10	50	365	55,0
LPCD4 50-125/0,37 EDT DP	1547502320	0,5	0,37	2 x 10	50	365	54,0
LPCD4 50-160/0,55 EDT DP	1547502321	0,75	0,55	2 x 10	50	410	61,0
LPCD4/I 65-160/0,75 R EDT DP	1547502322I	1	0,75	2 x 10	65	450	74,0
LPCD4/I 65-160/0,75 EDT DP	1547502323I	1	0,75	2 x 10	65	450	83,0
LPCD4/I 65-160/1,1 EDT DP	1547502324I	1,5	1,1	2 x 10	65	450	91,0
LPCD4/I 80-160/0,75 EDT DP	1547502325I	1	0,75	2 x 10	80	510	90,0
LPCD4/I 80-160/1,1R EDT DP	1547502326I	1,5	1,1	2 x 10	80	510	98,0
LPCD4/I 80-160/1,1 EDT DP	1547502327I	1,5	1,1	2 x 10	80	510	103,0
LPCD4/I 80-160/1,5 EDT DP	1547502328I	2	1,5	2 x 10	80	510	103,0
LPCD4/I 100-200/1,5 EDT DP	1547502329I	2	1,5	2 x 10	100	630	150,0
LPCD4/I 100-200/2,2 EDT DP	1547502314I	3	2,2	2 x 10	100	630	168,0
LPCD4/I 100-200/3 EDT DP	1547502315I	4	3	2 x 13,5	100	630	182,8
LPCD4/I 100-200/4 EDT DP	1547502316I	5,5	4	2 x 13,5	100	630	200,8

* Max. absorbed current from the inverter

Notes





1GP

334

Booster units with single phase electric pumps



2GP Domestic

337

Booster units with two three phase pumps suitable for connection to surge tanks



3GP Domestic

344

Booster units with three three phase pumps suitable for connection to surge tanks



1GPE E-power

347

Booster units with one electric pump with control unit



2GPE with E-drive - single phase

351

Booster units with two single phase pumps with inverter control unit



2GPE E-power - single phase

352

Booster units with two single phase pumps with inverter control unit



2GPE with E-drive - three phase

353

Booster units with two three phase pumps with inverter control unit



2GPE Hydrocontroller - three phase

354

Booster units with two three phase pumps with inverter control unit



3GPE with E-drive

355

Booster units with three three phase pumps with inverter control unit



2GP, 2GPE, 3GP, 3GPE Industrial

358

Industrial booster sets



FFS - FFB

359

Fire-fighting units UNI EN 12845

1GP



Booster units with single phase self priming electric pump

Autoclave groups (1GP H), electric pumps suitable for the creation of an autoclave group (1GP P) and electric pump groups with control unit (1GP Presscomfort), provided with cast iron self-priming electric pumps suitable for domestic pressurisation, small-scale irrigation of gardens, the washing of vehicles and the movement of clean waters in general.



High versatility



Small dimensions

Materials

Pump body	Cast iron
Impeller	in PPE+PS reinforced with fibreglass for AGA 0.60-0.75-1.00, in brass for the rest of the range
Shaft	AISI 304
Mechanical seal	Ceramic/Carbon/NBR (standard)
Motor support	Aluminium

Technical data

Max. working pressure	6 bar for AGA 0.60-0.75-1.00 10 bar for the rest of the range
------------------------------	--

Max. temperature of the liquid	45°C
---------------------------------------	------

MEI	> 0,4
------------	-------

Poles	2
--------------	---

Insulation class	F
-------------------------	---

Protection degree	IP44
--------------------------	------

Voltage	Single phase 230V ±10%
----------------	------------------------



1GP H

Creation with a self-priming electric pump of a pressurisation group with 24 litres horizontal membrane autoclave



1GP P

Self-priming electric pump suitable for the application of a membrane autoclave



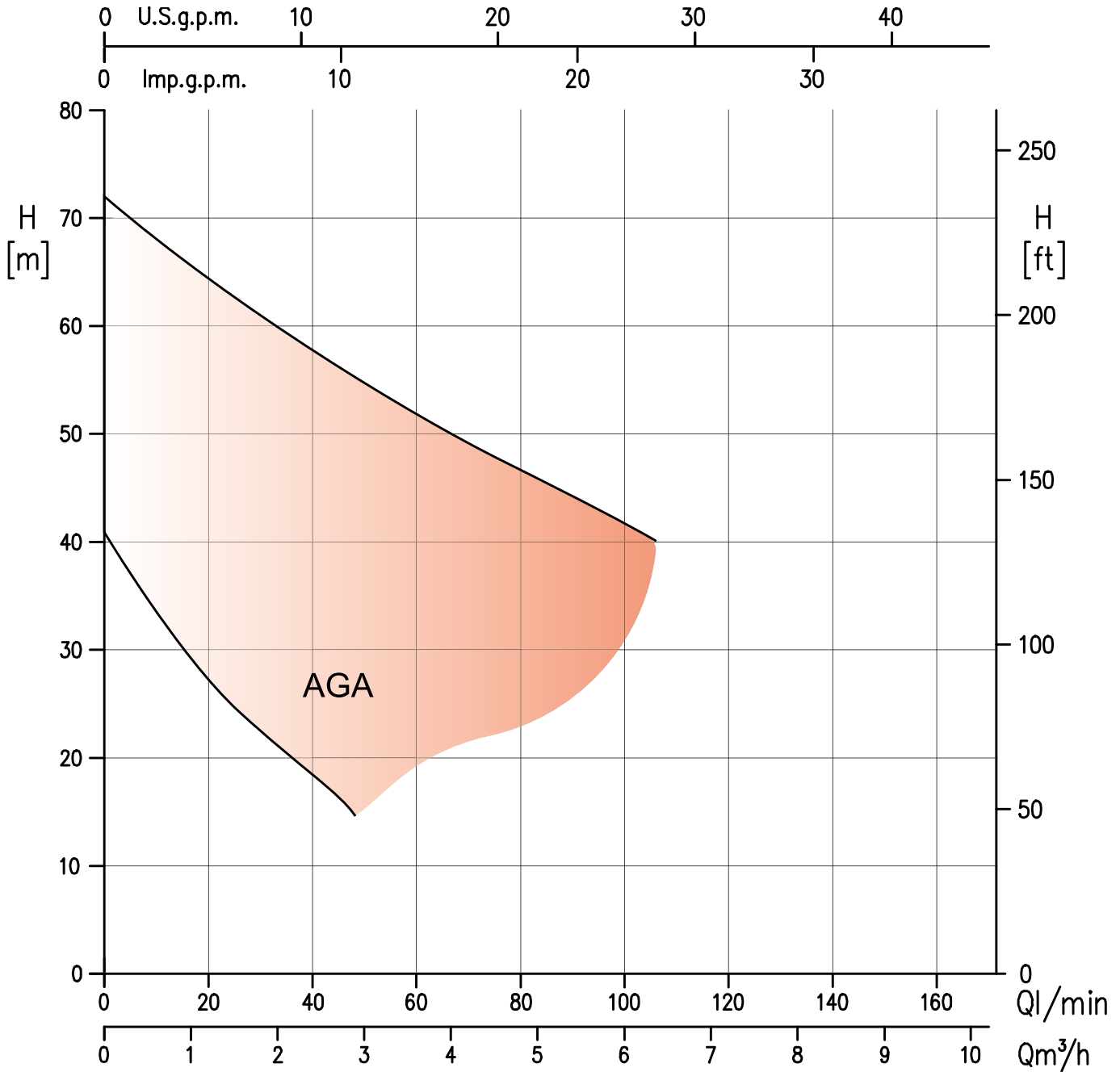
1GP Presscomfort

Self-priming electric pump equipped with Presscomfort automatic control device

1GP



Booster units with single phase self priming electric pump



1GP



Booster units with single phase self priming electric pump

1GP H: Booster units with single phase electric pump

Single phase 230V											2 Poles			
Model	Code	HP	kW	Q=Flow rate								Abs. Curr. [A] 230V	DNA	DNM
				l/min	5	10	20	30	45	50	60			
				m ³ /h	0,3	0,6	1,2	1,8	2,7	3	3,6			
				H=Total head [m]										
1GP AGA 1.00 M - 24H	1103100000A	1	0,75		47,5	45,0	40,3	35,7	29,1	27,0	23,0	5,5	G1	G1

Booster unit with single phase electric pumps complete with 24 l horizontal tank

1GP P: Single phase centrifugal electric pump suitable to assembling as a booster unit

Single phase 230V											2 Poles			
Model	Code	HP	kW	Q=Flow rate								Abs. Curr. [A] 230V	DNA	DNM
				l/min	5	20	30	45	60	80	100			
				m ³ /h	0,3	1,2	1,8	2,7	3,6	4,8	6			
				H=Total head [m]										
1GP AGA 0.75 M - P	1102090000	0,75	0,55		45,0	37,9	32,0	21,9	-	-	-	4	G1	G1
1GP AGA 1.00 M - P	1102100000	1	0,75		47,5	40,3	35,7	29,1	23,0	-	-	5,5	G1	G1
1GP AGA/B 1.50 M - P	1112150000B	1,5	1,1		-	45,1	42,4	38,6	35,1	30,8	27,0	8,1	G1½	G1

Set-up with manometer, pressure switch, brass fitting and power supply cable

1GP Presscomfort: Booster units with one electric pump with control unit

Single phase 230V											2 Poles			
Model	Code	HP	kW	Q=Flow rate								Abs. Curr. [A] 230V	DNA	DNM
				l/min	5	20	30	45	60	80	100			
				m ³ /h	0,3	1,2	1,8	2,7	3,6	4,8	6			
				H=Total head [m]										
1GP AGA 1.00M+Presscomfort	1100100300	1	0,75		47,5	45,0	40,3	35,7	29,1	27,0	23,0	5,5	G1	G1

Electric pump provided with Presscomfort: see page 365

2GP Domestic



Booster units with two electric pumps

Groups with two pumps for connection to membrane autoclaves, air cushion, to those with air feeder. Suitable for water supply distribution networks relating to the building service sector, to water supply for industry in general, the irrigation of gardens, parks and sports fields.



Booster Sets suitable for the application of a membrane (membrane not included)



High versatility



Small dimensions

Technical data

Max. working pressure	10 bar
Max. temperature of the liquid	40°C for 2GP COMPACT/CVM 45°C for 2GP AGA/CDA 50°C for 2GP 2CDX/MATRIX/EVMSG
Poles	2
Insulation class	F
Protection degree	IP44 for 2GP AGA/CDA/COMPACT/CVM IP55 for 2GP 2CDX/MATRIX/EVMS
Voltage	Single phase 230V ±10% Three phase 400V ±10%

Versions



2GP AGA

For more information about electric pump see page 20



2GP CDA

For more information about electric pump see page 39



2GP 2CDX

For more information about electric pump see page 29



2GP COMPACT

For more information about electric pump see page 106



2GP MATRIX

For more information about electric pump see page 109



2GP CVM

For more information about electric pump see page 113



2GP EVMSG

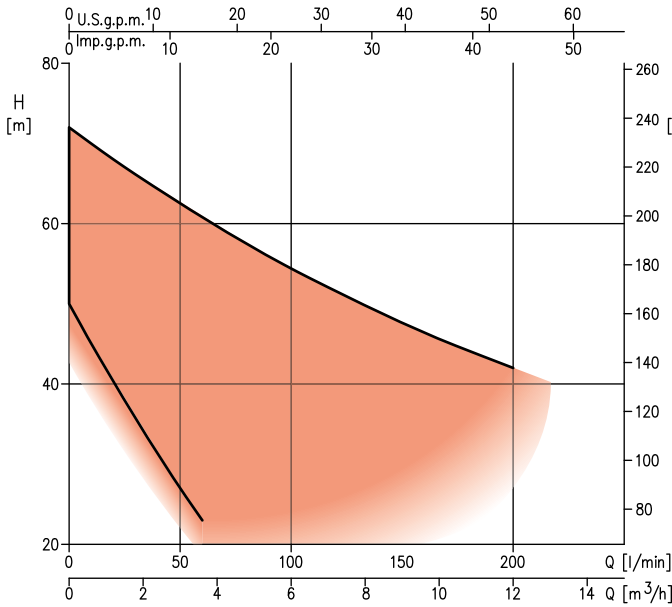
For more information about electric pump see page 146

2GP Domestic

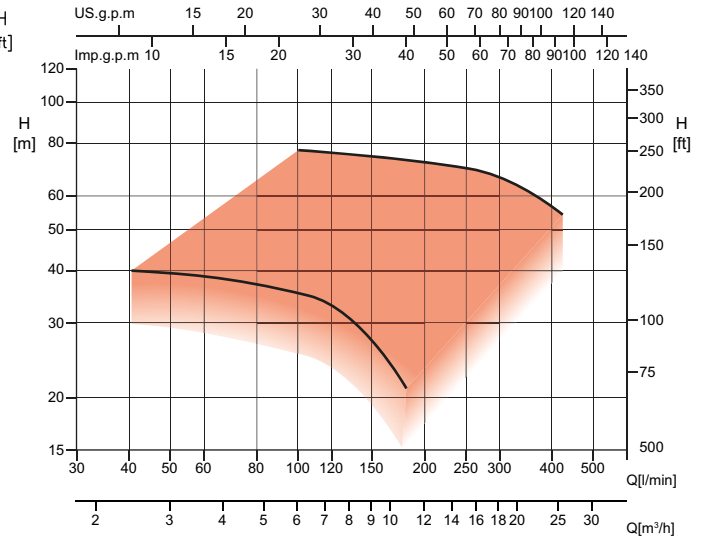
Booster units with two electric pumps



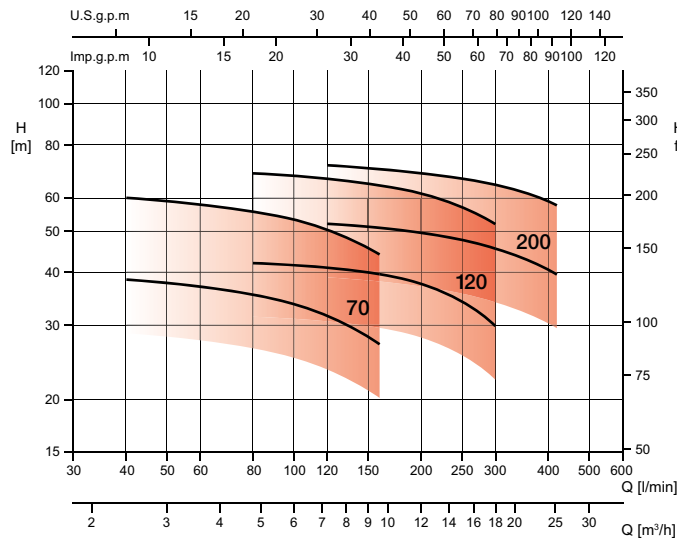
2GP AGA



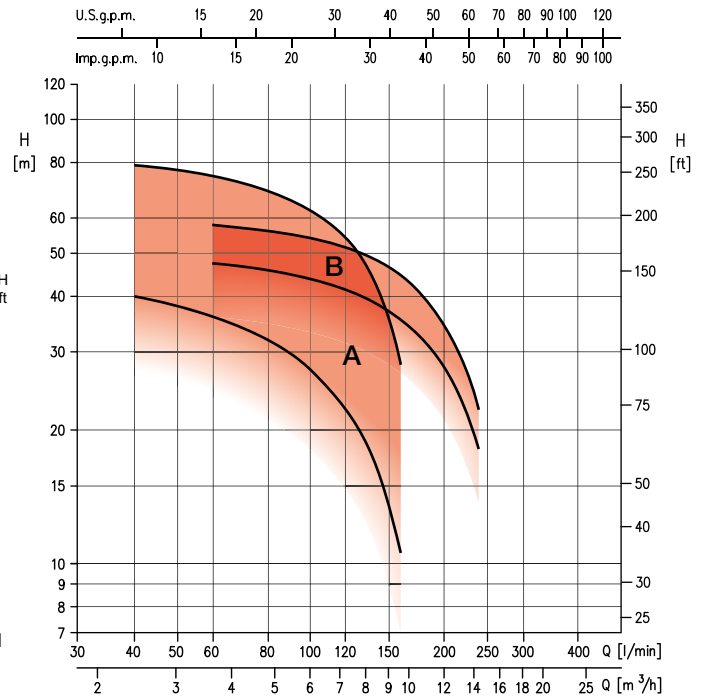
2GP CDA



2GP 2CDX



2GP COMPACT

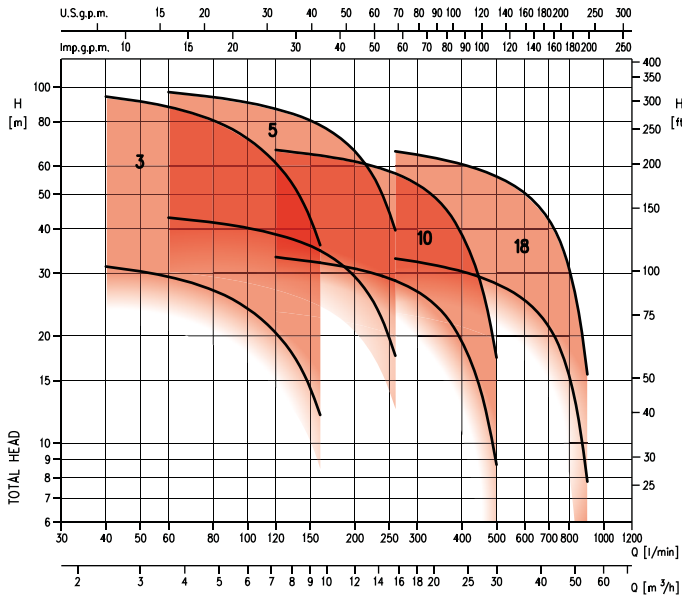


2GP Domestic

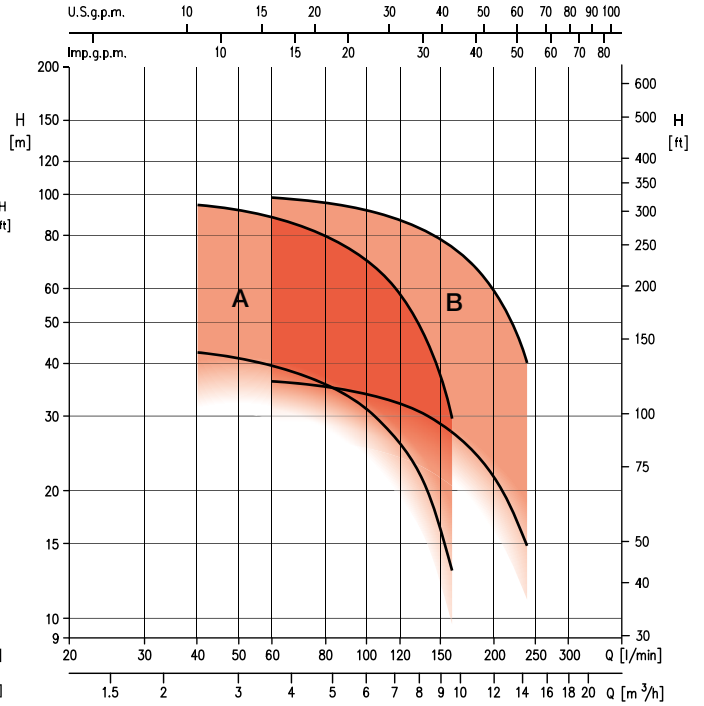
Booster units with two electric pumps



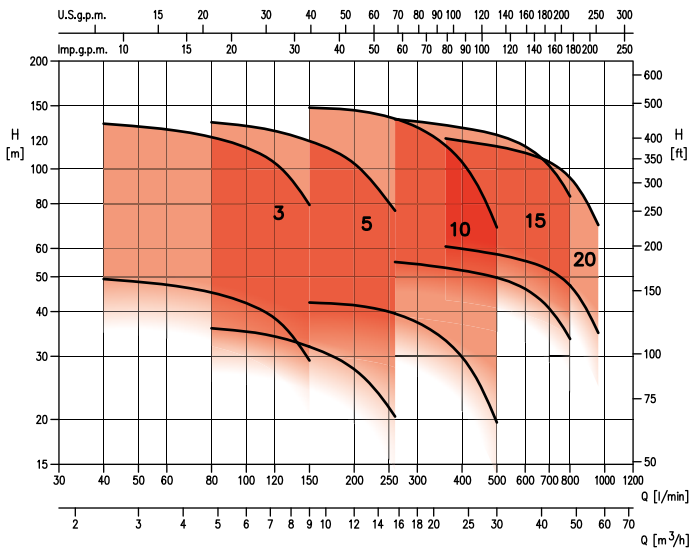
2GP MATRIX



2GP CVM



2GP EVMSG



2GP Domestic 1~



Booster units with two electric pumps

2GP AGA: Booster units with two self priming electric pumps in cast iron

Single phase 230V											2 Poles			
Model	Code	HP	kW	Q=Flow rate							Abs. Curr. [A] 230V	DNA	DNM	
				l/min	10	20	60	90	120	160				200
				m ³ /h	0,6	1,2	3.6	5.4	7.2	9.6				12.0
H=Total head [m]														
2GP AGA 1,00M 304M	2001300000B	1+1	0,75+0,75		47,5	45,0	35,7	29,1	23,0	-	-	11	G1½	G1½
2GP AGA 1,50M 304M	2001300200B	1,5+1,5	1,1+1,1		-	48,0	42,4	38,6	35,1	30,8	27,0	16,2	G2½	G1½
2GP AGA 2,00M 304M	2001300100B	2+2	1,5+1,5		-	59,0	52,2	47,3	42,5	36,4	30,5	19,6	G2½	G1½

2GP CDA: Booster units with two twin impeller electric pumps in cast iron

Single phase 230V											2 Poles			
Model	Code	HP	kW	Q=Flow rate							Abs. Curr. [A] 230V	DNA	DNM	
				l/min	40	80	100	160	180	200				220
				m ³ /h	2.4	4.8	6.0	9.6	10.8	12.0				13.2
H=Total head [m]														
2GP CDA 1,00M 304M	2001150200B	1+1	0,75+0,75		39,5	37,0	35,2	27,0	21,0	-	-	12,2	G1½	G1½
2GP CDA 1,50M 304M	2001150100B	1,5+1,5	1,1+1,1		50,8	48,8	47,1	38,4	33,4	27,5	-	18	G2	G1½
2GP CDA 2,00M 304M	2001150000B	2+2	1,5+1,5		60,5	58,6	56,9	49,8	46,5	40,3	32,5	21,6	G2	G1½

2GP 2CDX: Booster units with two twin impeller electric pumps with AISI 304 hydraulic

Single phase 230V											2 Poles		
Model	Code	HP	kW	Q=Flow rate							Abs. Curr. [A] 230V	DNA	DNM
				l/min	40	80	120	160	240	300			
				m ³ /h	2.4	4.8	7.2	9.6	14.4	18.0			
H=Total head [m]													
2GP 2CDX 70/10M 304M	2001200300B	1+1	0,75+0,75		38,5	35,3	31,5	27,0	-	-	12	G2	G1½
2GP 2CDX 70/12M 304M	2001200200B	1,2+1,2	0,9+0,9		44,5	40,3	35,5	30,0	-	-	14	G2	G1½
2GP 2CDX 70/15M 304M	2001200100B	1,5+1,5	1,1+1,1		52,5	48,0	42,8	36,5	-	-	16,2	G2	G1½
2GP 2CDX 70/20M 304M	2001200000B	2+2	1,5+1,5		60,0	55,6	50,4	44,0	-	-	20	G2	G1½
2GP 2CDX 120/15M 304M	2001200500B	1,5+1,5	1,1+1,1		-	42,0	41,0	39,5	35,0	30,0	16,6	G2	G2
2GP 2CDX 120/20M 304M	2001200400B	2+2	1,5+1,5		-	51,5	49,5	47,4	41,8	36,5	20,4	G2	G2

2GP COMPACT: Booster units with two horizontal multistage pumps in cast iron

Single phase 230V											2 Poles		
Model	Code	HP	kW	Q=Flow rate							Abs. Curr. [A] 230V	DNA	DNM
				l/min	40	60	80	100	120	160			
				m ³ /h	2.4	3.6	4.8	6.0	7.2	9.6			
H=Total head [m]													
2GP COMPACT A/8M 304M	2001050100B	0,8+0,8	0,6+0,6		39,7	36,1	32,0	27,4	22,4	10,5	8	G1½	G1½
2GP COMPACT A/10M 304M	2001050400B	1+1	0,75+0,75		56,5	53,0	48,5	43,5	37,1	20,0	12	G1½	G1½
2GP COMPACT A/12M 304M	2001050300B	1,1+1,1	0,88+0,88		67,5	63,5	58,5	52,5	45,0	24,0	12,4	G1½	G1½
2GP COMPACT A/15M 304M	2001050200B	1,5+1,5	1,1+1,1		79,0	74,5	69,0	62,5	54,0	28,0	14,6	G1½	G1½
2GP COMPACT B/12M 304M	2001050500B	1,1+1,1	0,88+0,88		-	47,5	46,0	43,5	41,5	35,2	11,6	G2	G1½
2GP COMPACT B/15M 304M	2001050600B	1,5+1,5	1,1+1,1		-	58,0	56,0	54,0	51,5	44,5	14,6	G2	G1½

2GP Domestic 1~



Booster units with two electric pumps

2GP MATRIX: Booster units with two horizontal multistage pumps in AISI 304

Single phase 230V												2 Poles		
Model	Code	HP	kW	Q=Flow rate								Abs. Curr. [A] 230V	DNA	DNM
				l/min	40	60	90	120	160	260	400			
				m³/h	2.4	3.6	5.4	7.2	9.6	15.6	24.0			
H=Total head [m]														
2GP MATRIX 3-4T/0,65M 304M	2001700000B	0,9+0,9	0,65+0,65		42,0	39,1	34,0	27,2	16,0	-	-	9	G1½	G1½
2GP MATRIX 3-5T/0,75M 304M	2001700100B	1+1	0,75+0,75		52,5	49,0	42,5	34,0	20,0	-	-	10,8	G1½	G1½
2GP MATRIX 3-6T/0,9M 304M	2001700200B	1,2+1,2	0,9+0,9		62,5	58,5	51,0	41,0	24,0	-	-	11,4	G1½	G1½
2GP MATRIX 3-7T/1,3M 304M	2001700300B	1,8+1,8	1,3+1,3		73,0	68,5	59,5	47,5	28,0	-	-	15,6	G1½	G1½
2GP MATRIX 3-8T/1,3M 304M	2001700400B	1,8+1,8	1,3+1,3		83,5	78,0	68,0	54,5	32,0	-	-	15,6	G1½	G1½
2GP MATRIX 3-9T/1,5M 304M	2001700500B	2+2	1,5+1,5		94,0	88,0	76,5	61,0	36,0	-	-	17,4	G1½	G1½
2GP MATRIX 5-4T/0,9M 304M	2001700600B	1,2+1,2	0,9+0,9		-	43,0	41,0	38,6	34,7	17,6	-	11,4	G2	G1½
2GP MATRIX 5-5T/1,3M 304M	2001700700B	1,8+1,8	1,3+1,3		-	54,0	51,0	48,5	43,5	22,0	-	15,6	G2	G1½
2GP MATRIX 5-6T/1,3M 304M	2001700800B	1,8+1,8	1,3+1,3		-	64,5	61,5	58,0	52,0	26,4	-	15,6	G2	G1½
2GP MATRIX 5-7T/1,5M 304M	2001700900B	2+2	1,5+1,5		-	75,5	72,0	67,5	61,0	30,8	-	17,4	G2	G1½
2GP MATRIX 5-8T/2,2M 304M	2001701000B	3+3	2,2+2,2		-	86,0	82,0	77,0	69,5	35,2	-	26	G2	G1½
2GP MATRIX 5-9T/2,2M 304M	2001701100B	3+3	2,2+2,2		-	97,0	92,0	87,0	78,0	39,6	-	26	G2	G1½
2GP MATRIX 10-3T/1,3M 304M	2001701200B	1,8+1,8	1,3+1,3		-	-	-	33,3	32,1	28,6	19,3	15,6	G2½	G2½
2GP MATRIX 10-4T/1,5M 304M	2001701300B	2+2	1,5+1,5		-	-	-	44,5	43,0	38,1	25,7	17,4	G2½	G2½
2GP MATRIX 10-5T/2,2M 304M	2001701400B	3+3	2,2+2,2		-	-	-	55,5	53,5	47,5	32,1	26	G2½	G2½
2GP MATRIX 10-6T/2,2M 304M	2001701500B	3+3	2,2+2,2		-	-	-	66,5	64,5	57,0	38,5	26	G2½	G2½
2GP MATRIX 18-3T/2,2M 304M	2001701600B	3+3	2,2+2,2		-	-	-	-	-	33,0	30,4	26	G3	G3

2GP CVM: Booster units with two vertical multistage pumps in cast iron

Single phase 230V												2 Poles			
Model	Code	HP	kW	Q=Flow rate								Abs. Curr. [A] 230V	DNA	DNM	
				l/min	40	60	80	100	120	160	200				240
				m³/h	2.4	3.6	4.8	6.0	7.2	9.6	12.0				14.4
H=Total head [m]															
2GP CVM A/8M 304M	2001650300B	0,8+0,8	0,6+0,6		42,5	39,4	35,6	31,1	25,9	12,8	-	-	8	G2	G2
2GP CVM A/10M 304M	2001650400B	1+1	0,75+0,75		57,5	54,0	49,5	43,5	36,6	19,5	-	-	12	G2	G2
2GP CVM A/12M 304M	2001650200B	1,2+1,2	0,9+0,9		69,0	65,0	59,5	52,5	44,0	23,4	-	-	13	G2	G2
2GP CVM A/15M 304M	2001650500B	1,5+1,5	1,1+1,1		80,5	75,5	69,5	61,0	51,0	27,3	-	-	14,4	G2	G2
2GP CVM A/18M 304M	2001650600B	1,8+1,8	1,3+1,3		94,5	88,0	80,0	70,0	58,5	28,8	-	-	15,6	G2	G2
2GP CVM B/10M 304M	2001650700B	1+1	0,75+0,75		-	36,2	35,1	33,7	32,0	27,5	21,6	14,7	11,2	G2	G2
2GP CVM B/12M 304M	2001650100B	1,2+1,2	0,9+0,9		-	48,0	46,8	45,0	42,6	36,6	28,8	19,6	12,4	G2	G2
2GP CVM B/15M 304M	2001650000B	1,5+1,5	1,1+1,1		-	60,5	58,5	56,2	53,3	45,8	36,0	24,5	14,8	G2	G2
2GP CVM B/20M 304M	2001650800B	2+2	1,5+1,5		-	74,0	72,0	69,0	65,5	56,0	44,5	30,6	16,6	G2	G2
2GP CVM B/23M 304M	2001650900B	2,3+2,3	1,7+1,7		-	86,0	84,0	80,5	76,5	65,5	51,5	35,7	19,2	G2	G2

2GP EVMSG: Booster units with two vertical multistage pumps in cast iron

Single phase 230V										2 Poles		
Model	Code	HP	kW	Q=Flow rate					Abs. Curr. [A] 230V	DNA	DNM	
				l/min	40	60	80	120				150
				m³/h	2.4	3.6	4.8	7.2				9.0
H=Total head [m]												
2GP EVMSG3 7N5/0,75M 304M	2001880015B	0,75+0,75	1+1		49,5	47,5	45	38,3	29,2	10,6	G1½	G1½
2GP EVMSG3 9N5/1,1M 304M	2001880016B	1.1+1.1	1.5+1.5		63,5	61	58	49	37,6	13	G1½	G1½

2GP Domestic 3~



Booster units with two electric pumps

2GP AGA: Booster units with two self priming electric pumps in cast iron

Three phase 400V												2 Poles		
Model	Code	HP	kW	Q=Flow rate								Abs. Curr. [A] 400V	DNA	DNM
				I/min	10	40	60	90	120	160	200			
				m ³ /h	0.6	2.4	3.6	5.4	7.2	9.6	12.0			
H=Total head [m]														
2GP AGA 1,00 304M	2001300004M	1+1	0,75+0,75		47,5	40,3	35,7	29,1	23,0	-	-	3,4	G1½	G1½
2GP AGA 1,50 304M	2001300204M	1,5+1,5	1,1+1,1		-	45,1	42,4	38,6	35,1	30,8	27,0	6,6	G2½	G1½
2GP AGA 2,00 304M	2001300104M	2+2	1,5+1,5		-	55,6	52,2	47,3	42,5	36,4	30,5	6,6	G2½	G1½
2GP AGA 3,00 304M	2001300314M	3+3	2,2+2,2		-	64,3	60,8	55,9	51,6	46,4	42,0	9,4	G2½	G1½

2GP CDA: Booster units with two twin impeller electric pumps in cast iron

Three phase 400V												2 Poles					
Model	Code	HP	kW	Q=Flow rate									Abs. Curr. [A] 400V	DNA	DNM		
				I/min	40	80	100	180	200	220	280	340				380	420
				m ³ /h	2.4	4.8	6.0	10.8	12.0	13.2	16.8	20.4				22.8	25.2
H=Total head [m]																	
2GP CDA 1,00 304M	2001150204M	1+1	0,75+0,75		39,5	37,0	35,2	21,0	-	-	-	-	-	-	3,4	G1½	G1½
2GP CDA 1,50 304M	2001150104M	1,5+1,5	1,1+1,1		50,8	48,8	47,1	33,4	27,5	-	-	-	-	-	6,6	G2	G1½
2GP CDA 2,00 304M	2001150004M	2+2	1,5+1,5		60,5	58,6	56,9	46,5	40,3	32,5	-	-	-	-	8,2	G2	G1½
2GP CDA 3,00 304M	2001150304M	3+3	2,2+2,2		-	60,5	59,3	51,6	48,4	44,6	32,0	-	-	-	9,4	G2	G2
2GP CDA 4,00 304M	2001150404M	4+4	3+3		-	-	67,0	63,9	62,5	62,0	58,0	53,5	48,0	-	12,8	G2½	G2
2GP CDA 5,50 304M	2001150504M	5,5+5,5	4+4		-	-	76,5	72,9	71,8	70,5	66,8	62,0	58,3	54,0	17,4	G2½	G2

2GP 2CDX: Booster units with two twin impeller electric pumps with AISI 304 hydraulic

Three phase 400V												2 Poles				
Model	Code	HP	kW	Q=Flow rate								Abs. Curr. [A] 400V	DNA	DNM		
				I/min	40	80	120	160	240	300	360				420	
				m ³ /h	2.4	4.8	7.2	9.6	14.4	18.0	21.6				25.2	
H=Total head [m]																
2GP 2CDX 70/10 304M	2001200304M	1+1	0,75+0,75		38,5	35,3	31,5	27,0	-	-	-	-	-	3,4	G2	G1½
2GP 2CDX 70/12 304M	2001200204M	1,2+1,2	0,9+0,9		44,5	40,3	35,5	30,0	-	-	-	-	-	5	G2	G1½
2GP 2CDX 70/15 304M	2001200104M	1,5+1,5	1,1+1,1		52,5	48,0	42,8	36,5	-	-	-	-	-	6,6	G2	G1½
2GP 2CDX 70/20 304M	2001200904M	2+2	1,5+1,5		60,0	55,6	50,4	44,0	-	-	-	-	-	8,2	G2	G1½
2GP 2CDX 120/15 304M	2001201404M	1,5+1,5	1,1+1,1		-	42,0	41,0	39,5	35,0	30,0	-	-	-	6,6	G2	G2
2GP 2CDX 120/20 304M	2001200404M	2+2	1,5+1,5		-	51,5	49,5	47,4	41,8	36,5	-	-	-	8,2	G2	G2
2GP 2CDX 120/30 304M	2001200704M	3+3	2,2+2,2		-	59,0	57,0	54,6	49,2	44,0	-	-	-	9,4	G2	G2
2GP 2CDX 120/40 304M	2001201304M	4+4	3+3		-	68,5	66,5	64,0	58,0	52,0	-	-	-	12,8	G2	G2
2GP 2CDX 200/30 304M	2001200604M	3+3	2,2+2,2		-	-	52,0	50,8	48,1	45,5	42,7	39,5	-	9,4	G2½	G2
2GP 2CDX 200/40 304M	2001200804M	4+4	3+3		-	-	62,5	61,1	58,0	55,2	52,3	49,0	-	12,8	G2½	G2
2GP 2CDX 200/50 304M	2001201204M	5,5+5,5	4+4		-	-	71,5	70,1	67,0	64,3	61,2	57,5	-	17,4	G2½	G2

2GP COMPACT: Booster units with two horizontal multistage pumps in cast iron

Three phase 400V												2 Poles			
Model	Code	HP	kW	Q=Flow rate								Abs. Curr. [A] 400V	DNA	DNM	
				I/min	40	60	80	100	120	160	200				240
				m ³ /h	2.4	3.6	4.8	6.0	7.2	9.6	12.0				14.4
H=Total head [m]															
2GP COMPACT A/8 304M	2001050104B	0,8+0,8	0,6+0,6		39,7	36,1	32,0	27,4	22,4	10,5	-	-	3	G1½	G1½
2GP COMPACT A/10 304M	2001050401M	1+1	0,75+0,75		56,5	53,0	48,5	43,5	37,1	20,0	-	-	3,4	G1½	G1½
2GP COMPACT A/12 304M	2001050304M	1,2+1,2	0,9+0,9		67,5	63,5	58,5	52,5	45,0	24,0	-	-	5	G1½	G1½
2GP COMPACT A/15 304M	2001050201M	1,5+1,5	1,1+1,1		79,0	74,5	69,0	62,5	54,0	28,0	-	-	5	G1½	G1½
2GP COMPACT B/12 304M	2001050501M	1,2+1,2	0,9+0,9		-	47,5	46,0	43,5	41,5	35,2	27,6	18,0	5	G2	G1½
2GP COMPACT B/15 304M	2001050601M	1,5+1,5	1,1+1,1		-	58,0	56,0	54,0	51,5	44,5	34,5	22,0	5	G2	G1½

2GP Domestic 3~

Booster units with two electric pumps

2GP MATRIX: Booster units with two horizontal multistage pumps in AISI 304

Three phase 400V													2 Poles				
Model	Code	HP	kW	Q=Flow rate										Abs. Curr. [A] 400V	DNA	DNM	
				l/min	40	60	120	160	260	320	500	600	900				
				m³/h	2.4	3.6	7.2	9.6	15.6	19.2	30.0	36.0	54.0				
H=Total head [m]																	
2GP MATRIX 3-4T/0,65 304M	2001700004B	0,9+0,9	0,65+0,65		42,0	39,1	27,2	16,0	-	-	-	-	-	-	3,2	G1½	G1½
2GP MATRIX 3-5T/0,75 304M	2001700104M	1+1	0,75+0,75		52,5	49,0	34,0	20,0	-	-	-	-	-	-	3,4	G1½	G1½
2GP MATRIX 3-6T/0,9 304M	2001700204M	1,2+1,2	0,9+0,9		62,5	58,5	41,0	24,0	-	-	-	-	-	-	5	G1½	G1½
2GP MATRIX 3-7T/1,3 304M	2001700304M	1,8+1,8	1,3+1,3		73,0	68,5	47,5	28,0	-	-	-	-	-	-	6,6	G1½	G1½
2GP MATRIX 3-8T/1,3 304M	2001700404M	1,8+1,8	1,3+1,3		83,5	78,0	54,5	32,0	-	-	-	-	-	-	6,6	G1½	G1½
2GP MATRIX 3-9T/1,5 304M	2001700504M	2+2	1,5+1,5		94,0	88,0	61,0	36,0	-	-	-	-	-	-	7,6	G1½	G1½
2GP MATRIX 5-4T/0,9 304M	2001700604M	1,2+1,2	0,9+0,9		-	43,0	38,6	34,7	17,6	-	-	-	-	-	5	G2	G1½
2GP MATRIX 5-5T/1,3 304M	2001700704M	1,8+1,8	1,3+1,3		-	54,0	48,5	43,5	22,0	-	-	-	-	-	6,6	G2	G1½
2GP MATRIX 5-6T/1,3 304M	2001700804M	1,8+1,8	1,3+1,3		-	64,5	58,0	52,0	26,4	-	-	-	-	-	6,6	G2	G1½
2GP MATRIX 5-7T/1,5 304M	2001700904M	2+2	1,5+1,5		-	75,5	67,5	61,0	30,8	-	-	-	-	-	7,6	G2	G1½
2GP MATRIX 5-8T/2,2 304M	2001701004M	3+3	2,2+2,2		-	86,0	77,0	69,5	35,2	-	-	-	-	-	9,4	G2	G1½
2GP MATRIX 5-9T/2,2 304M	2001701104M	3+3	2,2+2,2		-	97,0	87,0	78,0	39,6	-	-	-	-	-	9,4	G2	G1½
2GP MATRIX 10-3T/1,3 304M	2001701204M	1,8+1,8	1,3+1,3		-	-	33,3	32,1	28,6	25,5	8,7	-	-	-	6,6	G2½	G2½
2GP MATRIX 10-4T/1,5 304M	2001701304M	2+2	1,5+1,5		-	-	44,5	43,0	38,1	34,0	11,6	-	-	-	7,6	G2½	G2½
2GP MATRIX 10-5T/2,2 304M	2001701404M	3+3	2,2+2,2		-	-	55,5	53,5	47,5	42,5	14,5	-	-	-	9,4	G2½	G2½
2GP MATRIX 10-6T/2,2 304M	2001701504M	3+3	2,2+2,2		-	-	66,5	64,5	57,0	51,0	17,4	-	-	-	9,4	G2½	G2½
2GP MATRIX 18-3T/2,2 304M	2001701604M	3+3	2,2+2,2		-	-	-	-	33,0	31,9	28,1	25,2	7,8	-	9,4	G3	G3
2GP MATRIX 18-4T/3 304M	2001701704M	4+4	3+3		-	-	-	-	44,0	42,5	37,4	33,6	10,4	-	12,8	G3	G3
2GP MATRIX 18-5T/4 304M	2001701804M	5,5+5,5	4+4		-	-	-	-	55,0	53,0	47,0	42,0	13,0	-	17,4	G3	G3
2GP MATRIX 18-6T/4 304M	2001701904M	5,5+5,5	4+4		-	-	-	-	66,0	64,0	56,0	50,5	15,6	-	17,4	G3	G3

2GP CVM: Booster units with two vertical multistage pumps in cast iron

Three phase 400V													2 Poles				
Model	Code	HP	kW	Q=Flow rate										Abs. Curr. [A] 400V	DNA	DNM	
				l/min	40	60	80	100	120	160	200	240					
				m³/h	2.4	3.6	4.8	6.0	7.2	9.6	12.0	14.4					
H=Total head [m]																	
2GP CVM A/8 304M	2001650304B	0,8+0,8	0,6+0,6		42,5	39,4	35,6	31,1	25,9	12,8	-	-	-	-	3,2	G2	G2
2GP CVM A/10 304M	2001650404M	1+1	0,75+0,75		57,5	54,0	49,5	43,5	36,6	19,5	-	-	-	-	3,4	G2	G2
2GP CVM A/12 304M	2001650204M	1,2+1,2	0,9+0,9		69,0	65,0	59,5	52,5	44,0	23,4	-	-	-	-	5	G2	G2
2GP CVM A/15 304M	2001650504M	1,5+1,5	1,1+1,1		80,5	75,5	69,5	61,0	51,0	27,3	-	-	-	-	5	G2	G2
2GP CVM A/18 304M	2001650604M	1,8+1,8	1,3+1,3		94,5	88,0	80,0	70,0	58,5	28,8	-	-	-	-	6,4	G2	G2
2GP CVM B/10 304M	2001650704M	1+1	0,75+0,75		-	36,2	35,1	33,7	32,0	27,5	21,6	14,7	-	-	3,4	G2	G2
2GP CVM B/12 304M	2001650104M	1,2+1,2	0,9+0,9		-	48,0	46,8	45,0	42,6	36,6	28,8	19,6	-	-	5	G2	G2
2GP CVM B/15 304M	2001650004M	1,5+1,5	1,1+1,1		-	60,5	58,5	56,2	53,3	45,8	36,0	24,5	-	-	5	G2	G2
2GP CVM B/20 304M	2001650804M	2+2	1,5+1,5		-	74,0	72,0	69,0	65,5	56,0	44,5	30,6	-	-	7,6	G2	G2
2GP CVM B/23 304M	2001650904M	2,3+2,3	1,7+1,7		-	86,0	84,0	80,5	76,5	65,5	51,5	35,7	-	-	8,2	G2	G2
2GP CVM B/25 304M	2001651004M	2,5+2,5	1,85+1,85		-	98,5	96,0	92,0	87,0	74,5	59,0	41,0	-	-	9,4	G2	G2

2GP EVMSG: Booster units with two vertical multistage pumps in cast iron

Three phase 400V													2 Poles				
Model	Code	HP	kW	Q=Flow rate										Abs. Curr. [A] 400V	DNA	DNM	
				l/min	40	80	120	150	260	300	360	500					
				m³/h	2.4	4.8	7.2	9.0	15.6	18.0	21.6	30.0					
H=Total head [m]																	
2GP EVMSG3 9N5/1,1 304M	2001881003B	1,5+1,5	1,1+1,1		63,5	58,0	49,0	37,6	-	-	-	-	-	-	5	G1½	G1½
2GP EVMSG5 7N5/1,5 304M	2001881004B	2+2	1,5+1,5		-	81,0	77,0	72,0	46,0	-	-	-	-	-	6,6	G2	G2
2GP EVMSG10 6N5/2,2 304M	2001881005B	3+3	2,2+2,2		-	-	-	63,5	59,0	56,0	50,0	29,5	-	-	9,4	G2½	G2½

2GP DOMESTIC

3GP Domestic 3~



Booster units with three electric pumps

Groups with three multi-stage vertical pumps for connection to membrane autoclaves, air cushion, to those with air feeder. Suitable for water supply distribution networks relating to the building service sector, to water supply for industry in general, the irrigation of gardens, parks and sports fields.



Technical data

Max. working pressure	10 bar
Max. temperature of the liquid	40°C for 3GP CVM 50°C for 3GP EVMSG
Poles	2
Insulation class	F
Protection degree	IP44 for 3GP CVM IP55 for 3GP EVMS
Voltage	Three phase 400V ±10%



High versatility



Small dimensions

Versions



3GP CVM

For more information about electric pump see page 113



3GP EVMSG

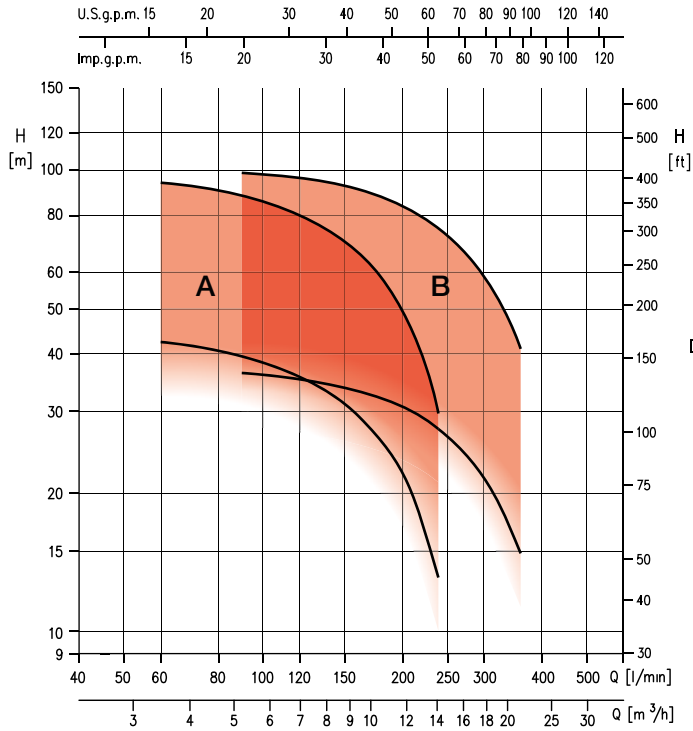
For more information about electric pump see page 121

3GP Domestic 3~

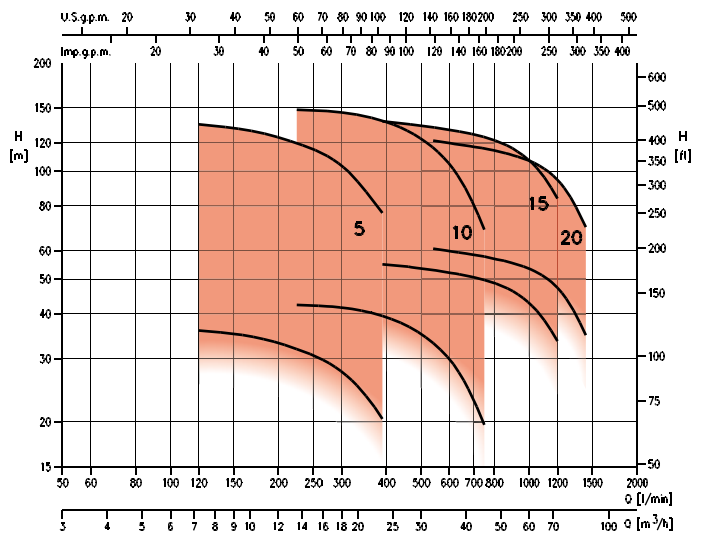
Booster units with three electric pumps



3GP CVM



3GP EVMSG



3GP Domestic 3~



Booster units with three electric pumps

3GP CVM: Booster units with three vertical multistage pumps in cast iron

Three phase 400V											2 Poles		
Model	Code	HP	kW	Q=Flow rate								Abs. Curr. [A] 400V	DNA DNM
				l/min	60	90	120	150	180	240	360		
				m³/h	3,6	5,4	7,2	9,0	10,8	14,4	21,6		
H=Total head [m]													
3GP CVM A/8 304M	2009650005B	0,8+0,8+0,8	0,6+0,6+0,6		42,5	39,4	35,6	31,1	25,9	12,8	-	4,8	G2½
3GP CVM A/10 304M	2009650006M	1+1+1	0,75+0,75+0,75		57,5	54,0	49,5	43,5	36,6	19,5	-	5,1	G2½
3GP CVM A/12 304M	2009650007M	1,2+1,2+1,2	0,9+0,9+0,9		69,0	65,0	59,5	52,5	44,0	23,4	-	7,5	G2½
3GP CVM A/15 304M	2009650008M	1,5+1,5+1,5	1,1+1,1+1,1		80,5	75,5	69,5	61,0	51,0	27,3	-	7,5	G2½
3GP CVM A/18 304M	2009650009M	1,8+1,8+1,8	1,3+1,3+1,3		94,5	88,0	80,0	70,0	58,5	28,8	-	9,9	G2½
3GP CVM B/10 304M	2009650014M	1+1+1	0,75+0,75+0,75		-	36,2	35,1	33,7	32,0	27,5	14,7	5,1	G2½
3GP CVM B/12 304M	2009650004M	1,2+1,2+1,2	0,9+0,9+0,9		-	48,0	46,8	45,0	42,6	36,6	19,6	7,5	G2½
3GP CVM B/15 304M	2009650011M	1,5+1,5+1,5	1,1+1,1+1,1		-	60,5	58,5	56,2	53,3	45,8	24,5	7,5	G2½
3GP CVM B/20 304M	2009650000M	2+2+2	1,5+1,5+1,5		-	74,0	72,0	69,0	65,5	56,0	30,6	11,4	G2½
3GP CVM B/23 304M	2009650012M	2,3+2,3+2,3	1,7+1,7+1,7		-	86,0	84,0	80,5	76,5	65,5	35,7	12,3	G2½
3GP CVM B/25 304M	2009650013M	2,5+2,5+2,5	1,85+1,85+1,85		-	98,5	96,0	92,0	87,0	74,5	41,0	14,1	G2½

3GP EVMSG: Booster units with three vertical multistage pumps in cast iron

Three phase 400V											2 Poles			
Model	Code	HP	kW	Q=Flow rate								Abs. Curr. [A] 400V	DNA DNM	
				l/min	120	180	225	300	390	540	600			750
				m³/h	7,2	10,8	13,5	18	23,4	32,4	36			45
H=Total head [m]														
3GP EVMSG5 7N5/1,5 304M	2009661001B	2+2+2	1,5+1,5+1,5		63,0	59,5	56,0	48,5	35,7	-	-	-	9,9	G2½
3GP EVMSG5 8N5/2,2 304M	2009661002B	3+3+3	2,2+2,2+2,2		72,0	68,0	64,0	55,0	41,0	-	-	-	14,1	G2½
3GP EVMSG10 6N5/2,2 304M	2009661003B	3+3+3	2,2+2,2+2,2		-	-	63,5	62,5	59,0	50,0	45,0	29,5	14,1	G3
3GP EVMSG10 7N5/3 304M	2009661004B	4+4+4	3+3+3		-	-	74,0	73,0	69,0	58,0	52,0	34,4	19,2	G3

Three phase 400V											2 Poles			
Model	Code	HP	kW	Q=Flow rate								Abs. Curr. [A] 400V	DNA DNM	
				l/min	390	540	600	750	900	1050	1200			1440
				m³/h	23,4	32,4	36	45	54	63	72			86,4
H=Total head [m]														
3GP EVMSG15 4N5/4 304M	2009661005B	5,5+5,5+5,5	4+4+4		55	53	52	50	46,5	41	33,6	-	26,1	DN100
3GP EVMSG15 5N5/5,5 304M	2009661006B	7,5+7,5+7,5	5,5+5,5+5,5		69	66	65	62	58	51	42	-	31,2	DN100
3GP EVMSG15 6N5/5,5 304M	2009661007B	7,5+7,5+7,5	5,5+5,5+5,5		82,5	79,5	78	74,5	69,5	61	50,5	-	31,2	DN100
3GP EVMSG20 4N5/5,5 304M	2009661008B	7,5+7,5+7,5	5,5+5,5+5,5		-	61	60	58	55,4	52,3	47,3	34,9	31,2	DN100

1GPE E-power



Booster units with single phase electric pump assembled with inverter

Inverter-controlled groups with a horizontal multi-stage electrical pump, ideal for applications such as the water supply for distribution networks relating to the building service sector, to water supply for industry in general, the irrigation of gardens, parks and sports fields.



High
versatility



Small
dimensions

Technical data

Max. working pressure	10 bar
Max. temperature of the liquid	40°C for 1GPE COMPACT 50°C for 1GPE MATRIX
Poles	2
Insulation class	F
Protection degree	IP44 for 1GPE COMPACT IP55 for 1GPE MATRIX
Voltage	Single phase 230V ±10%



Inverter E-power

For more information about E-power see page 364

Versions



1GPE MATRIX with E-power

For more information
about electric pump
see page 109



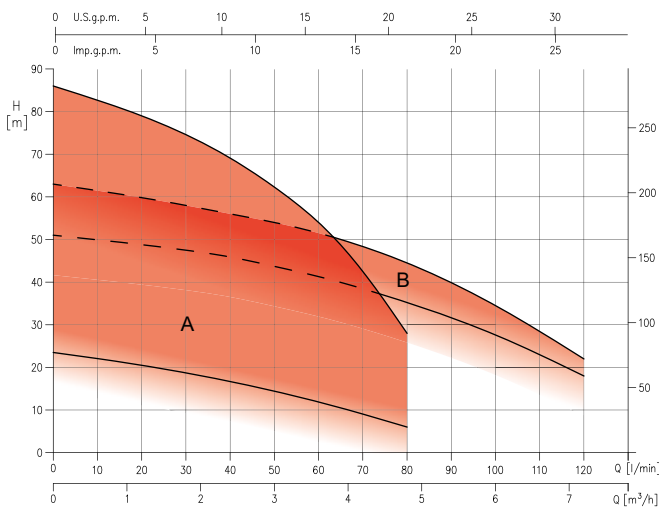
1GPE COMPACT with E-power

For more information
about electric pump
see page 106

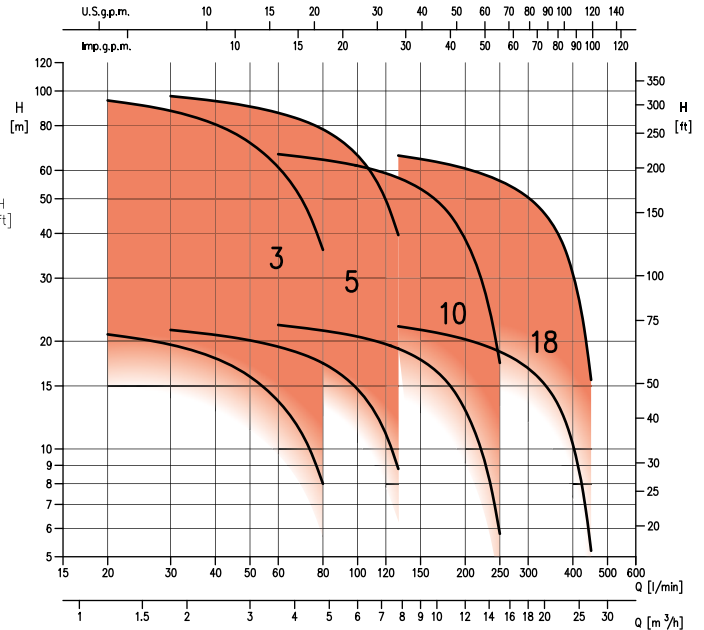
1GPE E-power

Booster units with single phase electric pump assembled with inverter

1GPE Compact



1GPE Matrix



1GPE COMPACT: Booster sets with one horizontal multistage electric pump in cast iron assembled with inverter

Single phase 230V				2 Poles										
Model	Code	HP	kW	Q=Flow rate								Abs. Curr. [A]* 230V	DNA	DNM
				l/min	20	30	40	50	60	80	120			
				m³/h	1,2	1,8	2,4	3	3,6	4,8	7,2			
H=Total head [m]														
1GPE COMPACT/I A/10I EPW OT	2001480011I	1	0,75	56,5	53,0	48,5	43,5	37,1	20,0	-	10	G1	G1¼	
1GPE COMPACT/I A/12I EPW OT	2001480012I	1,2	0,9	67,5	63,4	58,5	52,5	45,0	24,0	-	10	G1	G1¼	
1GPE COMPACT/I A/15I EPW OT	2001480015I	1,5	1,1	79,0	74,6	69,0	62,5	54,0	28,0	-	10	G1	G1¼	
1GPE COMPACT/I B/12I EPW OT	2001480013I	1,2	0,9	-	47,5	46,0	43,5	41,5	35,2	18,0	10	G1¼	G1¼	
1GPE COMPACT/I B/15I EPW OT	2001480014I	1,5	1,1	-	58,0	56,0	54,0	51,5	44,5	22,0	10	G1¼	G1¼	

* Max. absorbed current from the inverter

1GPE MATRIX: Booster sets with one horizontal multistage electric pump in AISI 304 assembled with inverter

Single phase 230V				2 Poles										
Model	Code	HP	kW	Q=Flow rate								Abs. Curr. [A]* 230V	DNA	DNM
				l/min	20	30	45	60	80	100	130			
				m³/h	1,2	1,8	2,7	3,6	4,8	6	7,8			
H=Total head [m]														
1GPE MATRIX 3-5T/0,75I EPW OT	2002470010I	1	0,75	52,5	49,0	42,5	34,0	20,0			10	G1	G1¼	
1GPE MATRIX 3-6T/0,9I EPW OT	2002470011I	1,2	0,9	62,5	58,5	51,0	41,0	24,0			10	G1	G1¼	
1GPE MATRIX 3-7T/1,3I EPW OT	2002470012I	1,8	1,3	73,0	68,5	59,5	47,5	28,0			10	G1	G1¼	
1GPE MATRIX 5-4T/0,9I EPW OT	2002470013I	1,2	0,9		43,0	41,0	38,6	34,7	29,4	17,6	10	G1¼	G1¼	
1GPE MATRIX 5-5T/1,3I EPW OT	2002470014I	1,8	1,3		54,0	51,0	48,5	43,5	36,7	22,0	10	G1¼	G1¼	
1GPE MATRIX 5-6T/1,3I EPW OT	2002470015I	1,8	1,3		64,5	61,5	58,0	52,0	44,0	26,4	10	G1¼	G1¼	

* Max. absorbed current from the inverter

2GPE



Booster units with two electric pumps assembled with inverter control unit

Inverter-controlled groups with two electrical pumps, ideal for applications such as the water supply for distribution networks relating to the building service sector, to water supply for industry in general, the irrigation of gardens, parks and sports fields.



Booster Sets suitable for the application of a membrane (membrane not included)



High versatility



Small dimensions

Technical data

Max. working pressure	10 bar for 2GPE CVM/MATRIX/COMPACT
	12 bar for 2GPE EVMSG E-power or Hydrocontroller
	16 bar for 2GPE EVMSG with E-drive
Max. temperature of the liquid	40°C for 2GPE COMPACT/CVM, 2GPE MATRIX/EVMSG with E-power or Hydrocontroller
	50°C for 2GPE MATRIX/EVMSG with E-drive
Poles	2
Insulation class	F
Protection degree	IP44 for 2GPE COMPACT/CVM
	IP55 for 2GPE MATRIX/EVMSG
Voltage	Single phase 230V ±10%
	Three phase 400V ±10%



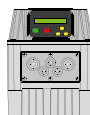
Inverter E-power

For more information about E-power see page 364



Inverter Hydrocontroller

For more information about Hydrocontroller see page 365



Inverter E-drive

For more information about E-drive see page 362

Versions



2GPE E-drive single phase

CVM - see page 113
EVMSG - see page 121



2GPE E-power single phase

COMPACT - see page 106
CVM - see page 113
MATRIX - see page 109



2GPE E-drive three phase

CVM - see page 113
EVMSG - see page 121



2GPE Hydrocontroller three phase

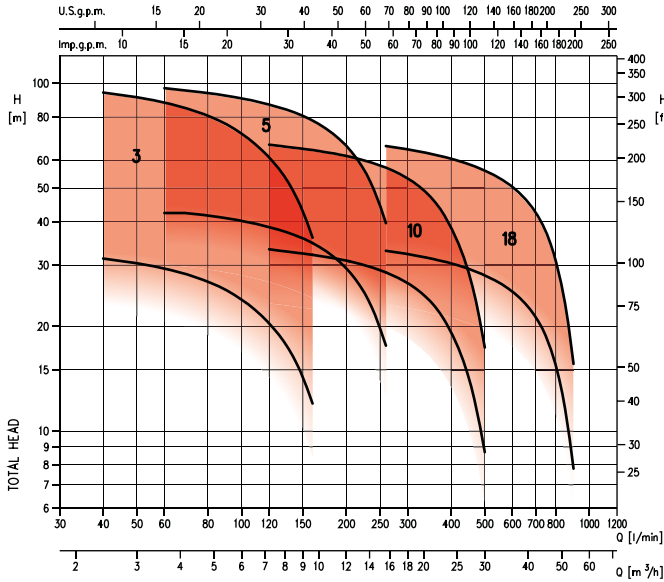
MATRIX - see page 109
EVMSG - see page 121

2GPE

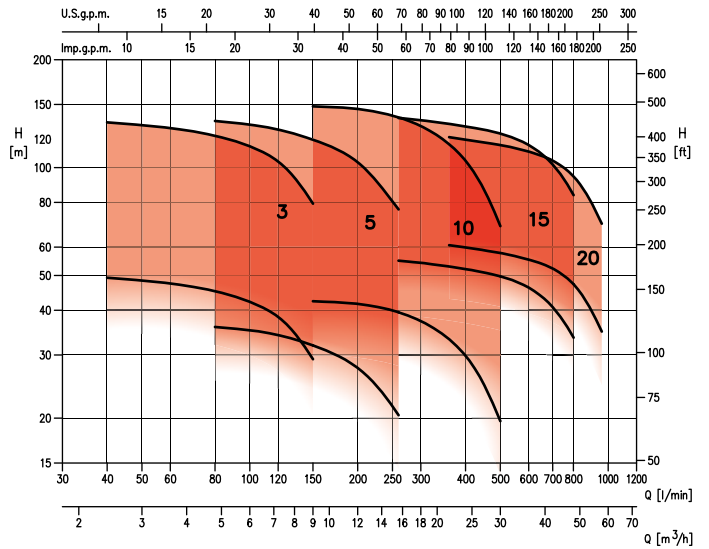


Booster units with two electric pumps assembled with inverter control unit

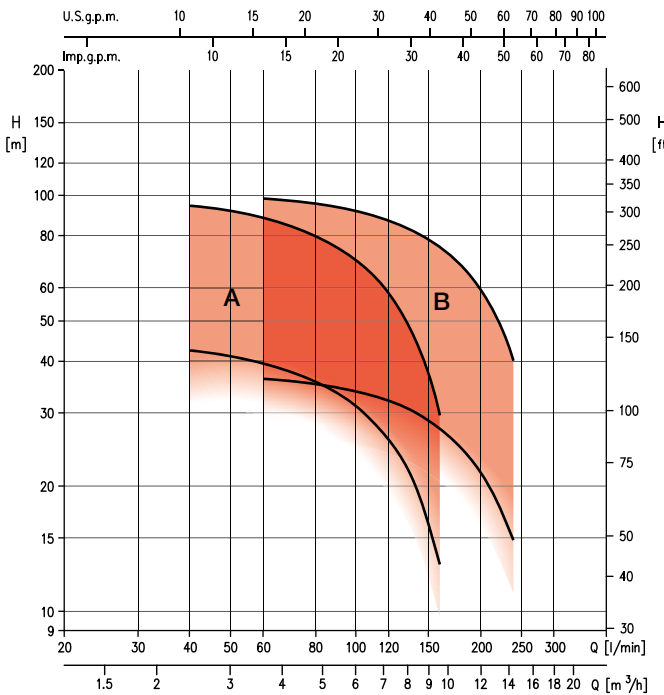
2GPE Matrix



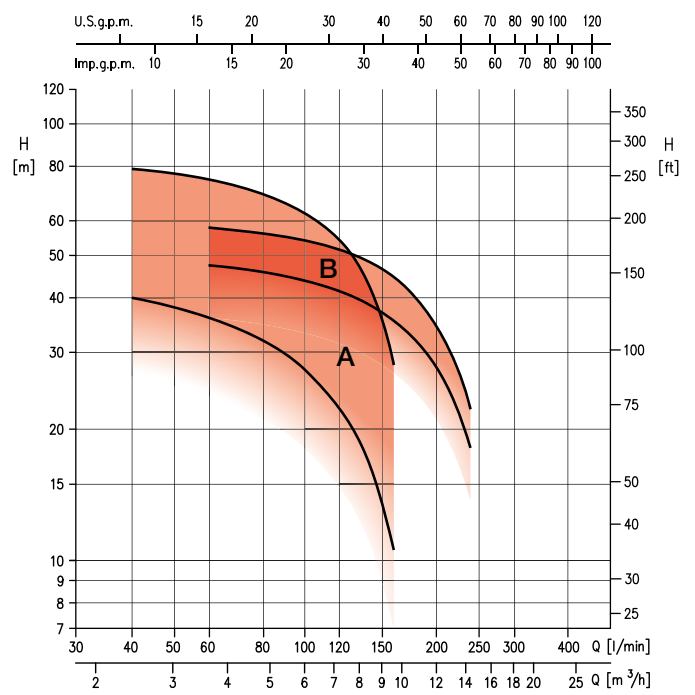
2GPE EVMSG



2GPE CVM



2GPE COMPACT



2GPE E-drive 1~



Booster units with two electric pumps assembled with inverter control unit

2GPE CVM with E-drive single phase: Booster units with two vertical multistage pumps

Single phase supply inverter 230V - Three phase electric pump 230V												2 Poles			
Model	Code	HP	kW	Q=Flow rate								Abs. Curr. [A]* 230V	DNA	DNM	
				l/min	40	60	80	100	120	160	200				240
				m ³ /h	2,4	3,6	4,8	6,0	7,2	9,6	12,0				14,4
				H=Total head [m]											
2GPE CVM A/10 EDM 304M	2001651026M	1+1	0,75+0,75	57,5	54	49,5	43,5	36,6	19,5	-	-	2 x 15	G2	G2	
2GPE CVM A/12 EDM 304M	2001651027M	1,2+1,2	0,9+0,9	69	65	59,5	52,5	44	23,4	-	-	2 x 15	G2	G2	
2GPE CVM A/15 EDM 304M	2001651028M	1,5+1,5	1,1+1,1	80,5	75,5	69,5	61	51	27,3	-	-	2 x 15	G2	G2	
2GPE CVM B/15 EDM 304M	2001651029M	1,5+1,5	1,1+1,1	-	60,5	58,5	56,2	53,3	45,8	36	24,5	2 x 15	G2	G2	
2GPE CVM B/20 EDM 304M	2001651030M	2+2	1,5+1,5	-	74	72	69	65,5	56	44,5	30,6	2 x 15	G2	G2	

* Max. absorbed current from the inverter

2GPE EVMSG with E-drive single phase: Booster units with two vertical multistage pumps

Single phase supply inverter 230V - Three phase electric pump 230V												2 Poles			
Model	Code	HP	kW	Q=Flow rate								Abs. Curr. [A]* 230V	DNA	DNM	
				l/min	40	80	120	150	200	260	360				500
				m ³ /h	2,4	4,8	7,2	9,0	12,0	15,6	21,6				30,0
				H=Total head [m]											
2GPE EVMSG3 10N5/1,1 EDM 304M	2001881006B	1,5+1,5	1,1+1,1	70,5	64,5	54,5	41,5	-	-	-	-	2 x 15	G1½	G1½	
2GPE EVMSG5 7N5/1,5 EDM 304M	2001881007B	2+2	1,5+1,5	-	63	59,5	56	48,5	35,7	-	-	2 x 15	G2	G2	
2GPE EVMSG10 6N5/2,2 EDM 304M	2001881008B	3+3	2,2+2,2	-	-	-	-	63,5	62,5	50	29,5	2 x 20	G2½	G2½	

* Max. absorbed current from the inverter

2GPE E-power 1~



Booster units with two electric pumps assembled with inverter control unit

2GPE COMPACT with E-power single phase: Booster units with two horizontal multistage pumps

Single phase supply inverter 230V - Three phase electric pump 230V												2 Poles		
Model	Code	HP	kW	Q=Flow rate								Abs. Curr. [A]* 230V	DNA DNM	
				l/min	40	60	80	100	120	160	200			240
				m ³ /h	2,4	3,6	4,8	6,0	7,2	9,6	12,0			14,4
H=Total head [m]														
2GPE COMPACT A/8 EPW 304M	2001051027B	0,8+0,8	0,6+0,6	39,7	36,1	32,0	27,4	22,4	10,5	-	-	2 x 10	G2	
2GPE COMPACT A/10 EPW 304M	2001051028M	1+1	0,75+0,75	56,5	53,0	48,5	43,5	37,1	20,0	-	-	2 x 10	G2	
2GPE COMPACT A/12 EPW 304M	2001051029M	1,2+1,2	0,9+0,9	67,5	63,5	58,5	52,5	45,0	24,0	-	-	2 x 10	G2	
2GPE COMPACT B/12 EPW 304M	2001051030M	1,2+1,2	0,9+0,9	-	47,5	46,0	43,5	41,5	35,2	27,6	18,0	2 x 10	G2	
2GPE COMPACT B/15 EPW 304M	2001051031M	1,5+1,5	1,1+1,1	-	58,0	56,0	54,0	51,5	44,5	34,5	22,0	2 x 10	G2	

* Max. absorbed current from the inverter

2GPE CVM with E-power single phase: Booster units with two vertical multistage pumps

Single phase supply inverter 230V - Three phase electric pump 230V												2 Poles		
Model	Code	HP	kW	Q=Flow rate								Abs. Curr. [A]* 230V	DNA DNM	
				l/min	40	60	80	100	120	160	200			240
				m ³ /h	2,4	3,6	4,8	6,0	7,2	9,6	12,0			14,4
H=Total head [m]														
2GPE CVM A/10 EPW 304M	2001651046M	1+1	0,75,0,75	57,5	54	49,5	43,5	36,6	19,5	-	-	2 x 10	G2	
2GPE CVM A/12 EPW 304M	2001651047M	1,2+1,2	0,9+0,9	69	65	59,5	52,5	44	23,4	-	-	2 x 10	G2	
2GPE CVM B/12 EPW 304M	2001651048M	1,2+1,2	0,9+0,9	80,5	75,5	69,5	61	51	27,3	-	-	2 x 10	G2	
2GPE CVM B/15 EPW 304M	2001651049M	1,5+1,5	1,1+1,1	-	60,5	58,5	56,2	53,3	45,8	36	24,5	2 x 10	G2	
2GPE CVM B/20 EPW 304M	2001651050M	2+2	1,5+1,5	-	74	72	69	65,5	56	44,5	30,6	2 x 10	G2	

* Max. absorbed current from the inverter

2GPE MATRIX with E-power single phase: Booster units with two horizontal multistage pumps

Single phase supply inverter 230V - Three phase electric pump 230V												2 Poles	
Model	Code	HP	kW	Q=Flow rate								Abs. Curr. [A]* 230V	DNA DNM
				l/min	40	60	90	120	160	200	260		
				m ³ /h	2,4	3,6	5,4	7,2	9,6	12,0	15,6		
H=Total head [m]													
2GPE MATRIX 3-3T/0,65 EPW 304M	2001704058B	0,9+0,9	0,65+0,65	31,4	29,3	25,5	20,4	12,0	-	-	2 x 10	G2	
2GPE MATRIX 3-4T/0,65 EPW 304M	2001704066B	0,9+0,9	0,65+0,65	42,0	39,1	34,0	27,2	16,0	-	-	2 x 10	G2	
2GPE MATRIX 3-5T/0,75 EPW 304M	2001704059M	1+1	0,75+0,75	52,5	49,0	42,5	34,0	20,0	-	-	2 x 10	G2	
2GPE MATRIX 3-6T/0,9 EPW 304M	2001704060M	1,2+1,2	0,9+0,9	62,5	58,5	51,0	41,0	24,0	-	-	2 x 10	G2	
2GPE MATRIX 3-7T/1,3 EPW 304M	2001704061M	1,8+1,8	1,3+1,3	73,0	68,5	59,5	47,5	28,0	-	-	2 x 10	G2	
2GPE MATRIX 5-3T/0,65 EPW 304M	2001704062B	0,9+0,9	0,65+0,65	-	32,3	30,7	29,0	26,0	22,0	13,2	2 x 10	G2	
2GPE MATRIX 5-4T/0,9 EPW 304M	2001704063M	1,2+1,2	0,9+0,9	-	43,0	41,0	38,6	34,7	29,4	17,6	2 x 10	G2	
2GPE MATRIX 5-5T/1,3 EPW 304M	2001704064M	1,8+1,8	1,3+1,3	-	54,0	51,0	48,5	43,5	36,7	22,0	2 x 10	G2	
2GPE MATRIX 5-6T/1,3 EPW 304M	2001704065M	1,8+1,8	1,3+1,3	-	64,5	61,5	58,0	52,0	44,0	26,4	2 x 10	G2	

* Max. absorbed current from the inverter

2GPE EVMSG with E-power single phase: Booster units with two vertical multistage pumps

Single phase supply inverter 230V - Three phase electric pump 230V												2 Poles	
Model	Code	HP	kW	Q=Flow rate								Abs. Curr. [A]* 230V	DNA DNM
				l/min	40	60	80	120	150	200	260		
				m ³ /h	2,4	3,6	4,8	7,2	9,0	12,0	15,6		
H=Total head [m]													
2GPE EVMSG 3-9N/1,1 EPW 304M	2001881017B	1,5+1,5	1,1+1,1	63,5	61	58	49	37,6	-	-	2 x 10	G2	
2GPE EVMSG 5-7N/1,5 EPW 304M	2001881018B	2+2	1,5+1,5	-	-	63	59,5	56	48,5	35,7	2 x 10	G2	

* Max. absorbed current from the inverter

2GPE E-drive 3~



Booster units with two electric pumps assembled with inverter control unit

2GPE CVM with E-drive three phase: Booster units with two vertical multistage pumps

Three phase supply inverter 400V - Three phase electric pump 400V											2 Poles			
Model	Code	HP	kW	Q=Flow rate								Abs. Curr. [A]* 400V	DNA DNM	
				l/min	40	60	80	100	120	160	200			240
				m ³ /h	2,4	3,6	4,8	6,0	7,2	9,6	12,0			14,4
H=Total head [m]														
2GPE CVM A/10 EDT 304M	2001651036M	1+1	0,75+0,75	57,5	54	49,5	43,5	36,6	19,5	-	-	2 x 10	G2	
2GPE CVM A/12 EDT 304M	2001651037M	1,2+1,2	0,9+0,9	69	65	59,5	52,5	44	23,4	-	-	2 x 10	G2	
2GPE CVM A/15 EDT 304M	2001651038M	1,5+1,5	1,1+1,1	80,5	75,5	69,5	61	51	27,3	-	-	2 x 10	G2	
2GPE CVM B/15 EDT 304M	2001651039M	1,5+1,5	1,1+1,1	-	60,5	58,5	56,2	53,3	45,8	36	24,5	2 x 10	G2	
2GPE CVM B/20 EDT 304M	2001651034M	2+2	1,5+1,5	-	74	72	69	65,5	56	44,5	30,6	2 x 10	G2	
2GPE CVM B/23 EDT 304M	2001651035M	2,3+2,3	1,7+1,7	-	98,5	96,0	92,0	87,0	74,5	59,0	41,0	2 x 10	G2	

* Max. absorbed current from the inverter

2GPE EVMSG with E-drive three phase: Booster units with two vertical multistage pumps

Three phase supply inverter 400V - Three phase electric pump 400V											2 Poles			
Model	Code	HP	kW	Q=Flow rate								Abs. Curr. [A]* 400V	DNA DNM	
				l/min	80	120	150	200	260	300	360			500
				m ³ /h	4,8	7,2	9,0	12,0	15,6	18,0	21,6			30,0
H=Total head [m]														
2GPE EVMSG5 8N5/2,2 ETM EDT	2001881009B	3+3	2,2+2,2	72,0	68,0	64,0	55,0	41,0	-	-	-	2 x 10	G2	
2GPE EVMSG5 9N5/2,2 ETM EDT	2001881010B	3+3	2,2+2,2	81,0	77,0	72,0	62,0	46,0	-	-	-	2 x 10	G2	
2GPE EVMSG10 6N5/2,2 ETM EDT	2001881011B	3+3	2,2+2,2	-	-	63,5	62,5	59,0	56,0	50,0	29,5	2 x 10	G2½	
2GPE EVMSG10 7N5/3 ETM EDT	2001881012B	4+4	3+3	-	-	74,0	73,0	69,0	65,5	58,0	34,4	2 x 13,5	G2½	
2GPE EVMSG10 8N5/3 ETM EDT	2001881013B	4+4	3+3	-	-	84,5	83,5	79,0	74,5	66,5	39,3	2 x 13,5	G2½	

* Max. absorbed current from the inverter

Three phase supply inverter 400V - Three phase electric pump 400V											2 Poles		
Model	Code	HP	kW	Q=Flow rate								Abs. Curr. [A]* 400V	DNA DNM
				l/min	260	360	400	500	600	800	960		
				m ³ /h	15,6	21,6	24,0	30,0	36,0	48,0	57,6		
H=Total head [m]													
2GPE EVMSG15 4N5/4 EDT 304M	2001881024B	5+5	4+4	55,0	53,0	52,0	50,0	46,5	33,6	-	2 x 13,5	G3	
2GPE EVMSG15 5N5/5,5 EDT 304M	2001881014B	7,5+7,5	5,5+5,5	69,0	66,0	65,0	62,0	58,0	42,0	-	2 x 16	G3	
2GPE EVMSG15 6N5/5,5 EDT 304M	2001881015B	7,5+7,5	5,5+5,5	82,5	79,5	78,0	74,5	69,5	50,5	-	2 x 16	G3	
2GPE EVMSG20 4N5/5,5 EDT 304M	2001881016B	7,5+7,5	5,5+5,5	-	61,0	60,0	58,0	55,4	47,3	34,9	2 x 16	DN100	

* Max. absorbed current from the inverter

2GPE Hydrocontroller 3~

Booster units with two electric pumps assembled with inverter control unit

2GPE MATRIX con Hydrocontroller three phase: Booster units with two horizontal multistage pumps

Three phase supply inverter 400V - Three phase electric pump 400V											2 Poles			
Model	Code	HP	kW	Q=Flow rate								Abs. Curr. [A]* 400V	DNA DNM	
				I/min	40	60	90	120	160	260	320			500
				m ³ /h	2,4	3,6	5,4	7,2	9,6	15,6	19,2			30,0
H=Total head [m]														
2GPE MATRIX 3-4T/0,65 HYD 304M	2001704117B	0,9+0,9	0.65+0.65		42,0	39,1	34,0	27,2	16,0	-	-	-	2 x 6	G2
2GPE MATRIX 3-5T/0,75 HYD 304M	2001704118M	1+1	0.75+0.75		52,5	49,0	42,5	34,0	20,0	-	-	-	2 x 6	G2
2GPE MATRIX 3-6T/0,9 HYD 304M	2001704119M	1,2+1,2	0.9+0.9		62,5	58,5	51,0	41,0	24,0	-	-	-	2 x 6	G2
2GPE MATRIX 3-7T/1,3 HYD 304M	2001704120M	1,8+1,8	1.3+1.3		73,0	68,5	59,5	47,5	28,0	-	-	-	2 x 6	G2
2GPE MATRIX 3-8T/1,3 HYD 304M	2001704121M	1,8+1,8	1.3+1.3		83,5	78,0	68,0	54,5	32,0	-	-	-	2 x 6	G2
2GPE MATRIX 3-9T/1,5 HYD 304M	2001704122M	2+2	1.5+1.5		94,0	88,0	76,5	61,0	36,0	-	-	-	2 x 6	G2
2GPE MATRIX 5-4T/0,9 HYD 304M	2001704123M	1,2+1,2	0.9+0.9		-	43,0	41,0	38,6	34,7	17,6	-	-	2 x 6	G2
2GPE MATRIX 5-5/1,3 HYD 304M	2001704124M	1,8+1,8	1.3+1.3		-	54,0	51,0	48,5	43,5	22,0	-	-	2 x 6	G2
2GPE MATRIX 5-6T/1,3 HYD 304M	2001704125M	1,8+1,8	1.3+1.3		-	64,5	61,5	58,0	52,0	26,4	-	-	2 x 6	G2
2GPE MATRIX 5-7T/1,5 HYD 304M	2001704126M	2+2	1.5+1.5		-	75,5	72,0	67,5	61,0	30,8	-	-	2 x 6	G2
2GPE MATRIX 5-8T/2,2 HYD 304M	2001704127M	3+3	2.2+2.2		-	86,0	82,0	77,0	69,5	35,2	-	-	2 x 6	G2
2GPE MATRIX 5-9T/2,2 HYD 304M	2001704128M	3+3	2.2+2.2		-	97,0	92,0	87,0	78,0	39,6	-	-	2 x 6	G2
2GPE MATRIX 10-4T/1,5 HYD 304M	2001704129M	2+2	1.3+1.3		-	-	-	44,5	43,0	38,1	34,0	11,6	2 x 6	G2½
2GPE MATRIX 10-5T/2,2 HYD 304M	2001704130M	3+3	1.5+1.5		-	-	-	55,5	53,5	47,5	42,5	14,5	2 x 6	G2½
2GPE MATRIX 10-6T/2,2 HYD 304M	2001704131M	3+3	2.2+2.2		-	-	-	66,5	64,5	57,0	51,0	17,4	2 x 6	G2½

* Max. absorbed current from the inverter

2GPE EVMSG con Hydrocontroller three phase: Booster units with two vertical multistage pumps

Three phase supply inverter 400V - Three phase electric pump 400V											2 Poles		
Model	Code	HP	kW	Q=Flow rate								Abs. Curr. [A]* 400V	DNA DNM
				I/min	40	60	80	120	150	200	260		
				m ³ /h	2,4	3,6	4,8	7,2	9,0	12,0	15,6		
H=Total head [m]													
2GPE EVMSG 3-8N/0,75 HYD 304M	2001881019B	1+1	0,75+0,75		56,5	54,5	51,5	44	33,4	-	-	2 x 6	G2
2GPE EVMSG 3-10N/1,1 HYD 304M	2001881020B	1,5+1,5	1,1+1,1		70,5	68,0	64,5	54,5	41,5	-	-	2 x 6	G2
2GPE EVMSG 5-7N/1,5 HYD 304M	2001881021B	2+2	1,5+1,5		-	-	63,0	59,5	56	48,5	35,7	2 x 6	G2
2GPE EVMSG 5-8N/2,2 HYD 304M	2001881022B	3+3	2,2+2,2		-	-	72,0	68,0	64,0	55,0	41,0	2 x 6	G2
2GPE EVMSG 5-9N/2,2 HYD 304M	2001881023B	3+3	2,2+2,2		-	-	81,0	77,0	72,0	62,0	46,0	2 x 6	G2

* Max. absorbed current from the inverter

Versions on request:

2GPE Hydrocontroller Wi-Fi

Booster with 2 electropumps driven by hydrocontroller, having integrated wi-fi

All booster with 2 electropumps driven by Hydrocontroller are available on request in special version, with integrated wifi, adding an extra price of 150,00€ on the price list.

In case of wireless connection in the pump room, thanks to integrated wifi, many tasks on the booster can be done through remote website. For instance it is possible to:

1. Control booster functioning
2. Read functioning parameters and set of them
3. Receive technical assistance

Web access for Hydrocontroller remote control is free within purchasing solar year.

Access reference for website, valid for a specific product serial number and strictly necessary for remote control and assistance, are renewable yearly for 15,00€.

For further informations contact our sales network.

3GPE E-drive



Booster units with three electric pumps assembled with inverter control unit

Inverter-controlled groups with three electrical pumps, ideal for applications such as the water supply for distribution networks relating to the building service sector, to water supply for industry in general, the irrigation of gardens, parks and sports fields.



Booster Sets suitable for the application of a membrane (membrane not included)



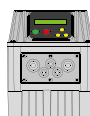
High versatility



Small dimensions

Technical data

Max. working pressure	10 bar
Max. temperature of the liquid	40°C for 3GPE COMPACT/CVM 50°C for 3GPE MATRIX/EVMSG
Poles	2
Insulation class	F
Protection degree	IP44 for 3GPE COMPACT/CVM IP55 for 3GPE MATRIX/EVMS
Voltage	Single phase 230V ±10% Three phase 400V ±10%



Inverter E-drive

For more information about E-drive see page 362

Versions



3GPE CVM E-drive

For more information about electric pump see page 113



3GPE EVMSG E-drive

For more information about electric pump see page 121

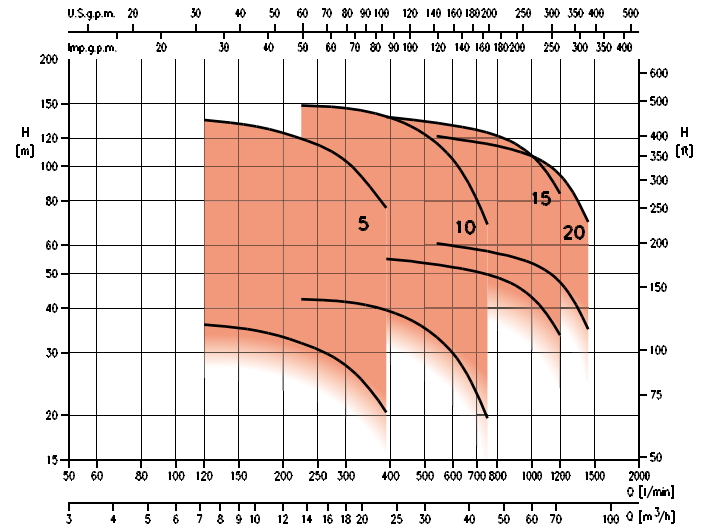
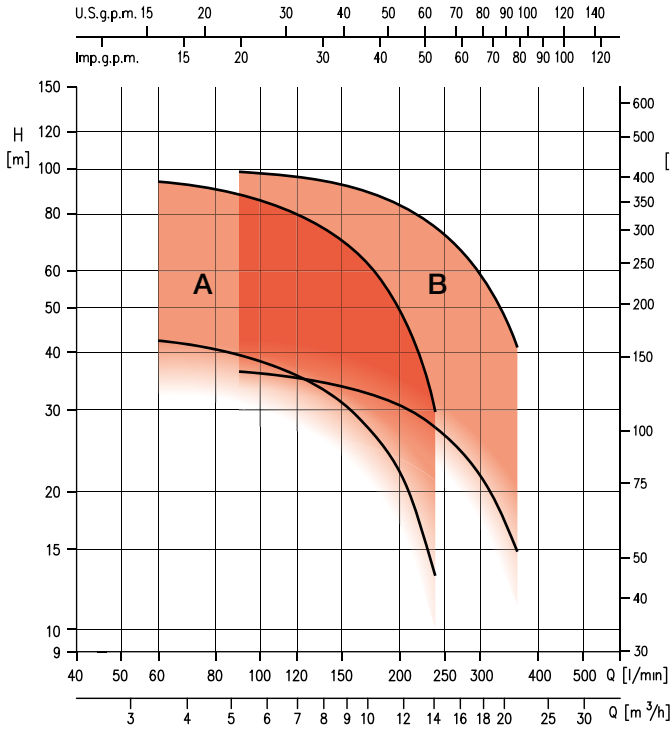
3GPE E-drive



Booster units with three electric pumps assembled with inverter control unit

3GPE CVM

3GPE EVMSG



3GPE E-drive



Booster units with three electric pumps assembled with inverter control unit

3GPE EVMS with E-drive single phase: Booster units with three vertical multistage pumps

Single phase supply inverter 230V - Three phase electric pump 400V 2 Poles

Model	Code	HP	kW	Q=Flow rate						Abs, Curr, [A]* 230V	DNA DNM	
				l/min	120	180	225	300	390			
				m³/h	7,2	10,8	13,5	18	23,4			
H=Total head [m]												
3GPE EVMSG5 7N5/1,5 EDM 304M	2009661009B	2+2+2	1,5+1,5+1,5		63,0	59,5	56,0	48,5	35,7		3 x 15	G2½

* Max. absorbed current from the inverter

3GPE CVM with E-drive three phase: Booster units with three vertical multistage pumps

Three phase supply inverter 400V - Three phase electric pump 400V 2 Poles

Model	Code	HP	kW	Q=Flow rate						Abs, Curr, [A]* 400V	DNA DNM	
				l/min	90	120	180	240	300			360
				m³/h	5,4	7,2	10,8	14,4	18			21,6
H=Total head [m]												
3GPE CVM B/20 EDT 304M	2009650019M	2+2+2	1,5+1,5+1,5		74,0	72,0	65,5	56,0	44,5	30,6	3 x 10	G2½
3GPE CVM B/23 EDT 304M	2009650020M	2,3+2,3+2,3	1,7+1,7+1,7		86,0	84,0	76,5	65,5	51,5	35,7	3 x 10	G2½

* Max. absorbed current from the inverter

3GPE EVMS with E-drive three phase: Booster units with three vertical multistage pumps

Three phase supply inverter 400V - Three phase electric pump 400V 2 Poles

Model	Code	HP	kW	Q=Flow rate								Abs, Curr, [A]* 400V	DNA DNM	
				l/min	120	180	225	300	390	450	540			750
				m³/h	7,2	10,8	13,5	18	23,4	27	32,4			45
H=Total head [m]														
3GPE EVMSG5 8N5/2,2 EDT 304M	2009661010B	3+3+3	2,2+2,2+2,2		72,0	68,0	64,0	55,0	41,0	-	-	-	3 x 10	G2½
3GPE EVMSG10 6N5/2,2 EDT 304M	2009661011B	3+3+3	2,2+2,2+2,2		-	-	63,5	62,5	59,0	56,0	50,0	29,5	3 x 10	G3
3GPE EVMSG10 7N5/3 EDT 304M	2009661012B	4+4+4	3+3+3		-	-	74,0	73,0	69,0	65,5	58,0	34,4	3 x 13,5	G3

* Max. absorbed current from the inverter

Three phase supply inverter 400V - Three phase electric pump 400V 2 Poles

Model	Code	HP	kW	Q=Flow rate							Abs, Curr, [A]* 400V	DNA DNM	
				l/min	390	450	540	750	900	1200			1440
				m³/h	23,4	27	32,4	45	54	72			86,4
H=Total head [m]													
3GPE EVMSG15 4N5/4 EDT 304M	2009661013B	5,5+5,5+5,5	4+4+4		55,0	53,0	52,0	50,0	46,5	33,6	-	3 x 13,5	DN100
3GPE EVMSG15 5N5/5,5 EDT 304M	2009661014B	7,5+7,5+7,5	5,5+5,5+5,5		69,0	66,0	65,0	62,0	58,0	42,0	-	3 x 16	DN100
3GPE EVMSG15 6N5/5,5 EDT 304M	2009661015B	7,5+7,5+7,5	5,5+5,5+5,5		82,5	79,5	78,0	74,5	69,5	50,5	-	3 x 16	DN100
3GPE EVMSG20 4N5/5,5 EDT 304M	2009661016B	7,5+7,5+7,5	5,5+5,5+5,5		-	61,0	60,0	58,0	55,4	47,3	34,9	3 x 16	DN100

* Max. absorbed current from the inverter

Versions on request



2GP, 2GPE, 3GP, 3GPE_Industrial



Booster Sets suitable for the application of a membrane (membrane not included)



High versatility



Small dimensions

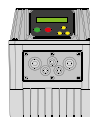
Versions

With two electric pumps	2GP 3M SERIES 3M 32-40-50-65 2GP EVMG SERIES 32-45-64
-------------------------	--

With two electric pumps with inverter	2GPE 3M SERIES 32-40-50-65 2GPE EVMG SERIES 32-45-64
---------------------------------------	---

With three electric pumps	3GP 3M SERIES 32-40-50-65 3GP EVMG SERIES 32-45-64
---------------------------	---

With three electric pumps with inverter	3GPE 3M SERIES 32-40-50-65 3GPE EVMG SERIES 32-45-64
---	---



E-drive inverter

For more information about E-drive see page 362

FFS - FFB

UNI EN 12845 Fire-Fighting units

The EBARA FFS-FFB type pressure boosting units are applied in the automatic activation water supplies for the automatic fire-fighting units in compliance with European Standard **UNI EN 12845**.

Functioning principle

As established by the UNI EN 12845 Standard, if the fire-fighting unit supply pumps intervene, they are started by a pair of pressure switches via an electric control panel supplied with each pump and they must function continuously until stopping, which only occurs with a manual control. The start-up of the supply pumps can cause simultaneous activation of an acoustic and luminous long distance indicator. The small flow rate jockey pump (pilot), intervenes in the case of small system leaks and is started and stopped automatically by its own electric control panel and relative pressure switch calibrated at a pressure value slightly higher than the pressure switch value of the supply pump. Stopping takes place when system pressure is reset. The acoustic - luminous indicator also signals a missing phase, the voltage, lack of water and any incorrect position of the shut-off valves both in discharge and suction. The electric control panels are equipped with pump running signals.

Standards and Directives

The FFS-FFB fire-fighting pressure boosting units are designed and built in compliance with the following Regulations and Standards:

- **UNI EN 12845 Directive**, fixed fire extinguisher systems - automatic sprinkler systems
- **UNI EN 12845/10779 Directive**, fire extinguishing system - Hydrant network
- 2006/42/CE Machinery Directive
- 2014/35/UE Low Voltage Directive
- 2014/30/UE Electromagnetic Compatibility Directive
- European Directives:: EN 60204-1; EN 61000-6-4; EN 61000-6-2.

Conditions for use

The FFS-FFB firefighting pressure boosting units can be used exclusively as envisioned in the **UNI EN 12845** LH, OH, HH Standard, in the automatic activation water supplies for the automatic fire fighting units in civil and industrial activities. The water conveyed must not contain solid bodies and fibres in suspension or vegetation and without aggressive and corrosive chemical substances (UNI EN 12845 8.6).

- Minimum temperature of the water conveyed is 0°C, max temperature 40°C (25°C for submersed multistage pumps)
- Environment functioning temperature is 4°÷40°C at a height not exceeding 1000 m a.s.l.
- Max. relative humidity 50% at +40°C

NB: possibly the pumping unit must be installed underhead (UNI EN 12845)

NB: each pump must have its own independent suction pipe (UNI EN 12845)

Versions available

The EBARA fire fighting units are produced in five versions:

- FFS 11/21 3PS:
unit made up from 1 or 2 main surface electric pumps, base-joint and an electric jockey pump;
- FFBE 11/21 ENR:
unit made up from 1 or 2 main surface electric pumps, base-joint and an electric jockey pump;
- KIT FFS 11/21 S:
unit made up from 1 or 2 main submersed electric pumps, vertical multistage and an electric jockey pump;
- FFBD 11/21:
unit made up from 1 or 2 main surface pumps, base-joint and an electric jockey pump;
- FFBD 111:
unit made up from 1 pump and 1 main surface electric pumps, base-joint and an electric jockey pump.

FFS and FFBD units

with horizontal pumps



Kit FFSS

with borehole pumps and jockey pump



FFBE BOX 10 units



Inverter and control panels

Model	Type	Use	Main features
E-drive	Inverter	pumps	<ul style="list-style-type: none"> Control and protection of pumping systems based on frequency variations in the power supply of the pump Parallel operation up to 8 pumps
E-power	Inverter with pressure switch	pumps	<ul style="list-style-type: none"> Control start-up and stop of the electric pump and modulates the motor revs. depending on the withdrawal of water from the plant
Presscomfort	Pressure regulator	pumps	<ul style="list-style-type: none"> Regulate functioning of the electric pumps without using booster tanks
Q Series	Electronic control panel	borehole pumps	<ul style="list-style-type: none"> Thanks to the presence of a thermal protection, it ensures interruption of the operation of the motor in case of overcurrents
2EP-E Series (Single/three phase)	Electronic control panel	one borehole or surface pump	<ul style="list-style-type: none"> Control via transducer, floating switches or pressure switches Integrated level sensor module. Remote alarm output Dry operating protection through $\cos\phi$
2EP-E Series (Single/three phase)	Electronic control panel	two surface pumps	<ul style="list-style-type: none"> Control via transducer, floating switches or pressure switches Remote alarm output Integrated restart electronic exchange
QM Series (Single phase) QT Series (Three phase)	Electromechanical control panel	one/two surface or submersible pumps	<ul style="list-style-type: none"> Control through floating switches or pressure switches Alarm output with voltage 24V Integrated motor overtemperature protection sensor No module for level control sensor
QS Series (Three phase)	Electromechanical control panel	one/two surface or submersible pumps	<ul style="list-style-type: none"> Control via floating switches or pressure switches Alarm output with voltage 24V Integrated motor overtemperature protection sensor No module for level control sensor STAR/DELTA start
QA50/B Series (Single phase)	Electronic control panel	one borehole or surface pump	<ul style="list-style-type: none"> Control via floating switches or pressure switches Integrated level sensor module
Serie QA60/C (Three phase)	Electronic control panel	one surface or submersible pump	<ul style="list-style-type: none"> Control via floating switches or pressure switches Integrated level sensor module
Serie QMD20-SI (Single phase)	Electronic control panel	two surface or submersible pumps	<ul style="list-style-type: none"> Control via floating switches or pressure switches Self-retaining function (submersible pumps) and remote alarm management only with use of the MSM-MA1 kit (optional)
SMART Series (Single/three phase)	Electronic microprocessor control panel	one/two surface, submersible or borehole pumps	<ul style="list-style-type: none"> Control via floating switches, pressure switches or level sensors Available optional module for level control sensor Integrated control for motor overtemperature sensor Dry operating protection via $\cos\phi$ Self-learning function
Anti-flooding kit	Emergency control unit	single phase drainage pumps	<ul style="list-style-type: none"> Emergency pseudosenoid wave electronic back-up device with or without integrated exchanger to manage drainage pumps in the absence of voltage
SP	Electric control panels with two inverters	surface and borehole pumps	<ul style="list-style-type: none"> Control via pressure transducer or pressure switch Remote alarm output Function for constant pressure or differential pressure

	E-drive Pump control inverter (single/three phase input)	362
	E-power Pump control inverter with pressure switch (single phase input)	364
	Hydrocontroller Variable speed control system (three phase input)	365
	Presscomfort Pressure regulator for one pump	366
	Q SERIES Control panels for borehole pumps	366
	1EP-E / 2EP-E SERIES Control panels for borehole and surface pumps	367
	QM1-QT1 / QM2-QT2 Electromechanical control panels for wastewater and surface pumps	369
	QS1-QS2 SERIES Electromechanical control panels for wastewater and surface pumps	371
	QA/50B / QA/60C / QMD20 Electromechanical panels for drainage and sewer, surface and submerged pumps	373
	SMART SERIES Electronic microprocessor panels for drainage and sewer, surface and submerged pumps	375
	ANTI-FLOODING KIT Anti-flooding kit with alternating or contemporaneity function	376
	SP SERIES Control panels with inverter for pumps	377
	VARIOUS ACCESSORIES	379

E-drive

Control units for pumps with inverter technology

E-drive is a device for the control and protection of pumping systems based on frequency variations in the power supply of the pump. E-drive can be connected to any pump on the market, it manages operation to maintain set physical quantities constant (pressure, flow or temperature of fluid or more) depending on the conditions of use. In this way the pump is operated only as and when needed without wasting energy and as such extending its life.



Technical data

Frequency 50-60 Hz (+/-2%)

Max. ambient temperature 40°C

Insulation class F

Protection degree IP55



High efficiency



Easy to install



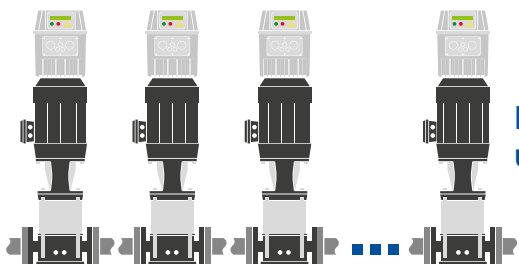
Reliable and easy to use

Model	Code	Max. output curr. (motor) [A]	kW	Main supply V_{in}	Motor output V_{out}
E-drive 1500*	362420064	7	1,5	1~230	3~230
E-drive 3000*	362420078	11	3	1~230	3~230
E-drive 2200*	362420081	6	2,2	3~400	3~400
E-drive 4000*	362420080	9	4	3~400	3~400
E-drive 5500*	362420067	14	5,5	3~400	3~400
E-drive 7500*	362420068	18	7,5	3~400	3~400
E-drive 11000*	362420069	25	11	3~400	3~400
E-drive 15000*	362420082	30	15	3~400	3~400
E-drive 18500**	362420085	38	18,5	3~400	3~400
E-drive 22000**	362420086	48	22	3~400	3~400
E-drive 30000**	362420087	65	30	3~400	3~400
E-drive 37500**	362420088	75	37,5	3~400	3~400
E-drive 45000**	362420089	85	45	3~400	3~400

NOTE: E-drive model to be coupled must be chosen considering maximum absorbed current data indicated in pump label

* Prices include a set of clamps to fix the inverter on the motor and EMC line filter

** Prices include wall mounting kit and EMC line filter



Parallel operation
up to 8 pumps

E-drive

Control units for pumps with inverter technology

Pressure transmitter	
Model	Code
Pressure transmitter 16 bar 4-20 mA	460500024
Pressure transmitter 25 bar 4-20 mA	460500025

Metal fan-cover for motors*	
Model	Code
Metal fan-cover for MEC80 frame size motors**	362250564
Metal fan-cover for MEC90 frame size motors**	362250565
Metal fan-cover for MEC100 frame size motors**	362250566
Metal fan-cover for MEC frame size motors 132**	362250567

* This option is necessary in case of direct coupling of E-drive to pumps with a plastic motor fan cover

** These models are suitable only for EVM pumps. For other pump models (with a plastic fan cover), please contact our sales network

Wall mounting kit	
Model	Code
Wall mounting kit for E-drive 1500-3000	362410043
Wall mounting kit for E-drive 2200-4000	362410045
Wall mounting kit for E-drive 5500-7500-11000	362410042

Accessories

Shielded cables with connectors for inverter-pump connection (type FR20HH2R 450/750V)	
Model	Code
Shielded cable sect. 4G1,5 - L=750 mm for M4 terminal (E-drive 1500)	367931142
Shielded cable sect. 4G1,5 - L=750 mm for M5 terminal (E-drive 1500)	367931143
Shielded cable sect. 4G1,5 - L=750 mm for M4 terminal (E-drive 2200 - E-drive 3000 - E-drive 4000)	367931144
Shielded cable sect. 4G1,5 - L=750 mm for M5 terminal (E-drive 2200 - E-drive 3000 - E-drive 4000)	367931145
Shielded cable sect. 4G2,5 - L=850 mm for M5 terminal (E-drive 5500-7500)	367931146
Shielded cable sect. 4G4 - L=950 mm for M6 terminal (E-drive 11000)	367931147
Shielded cable sect. 4G4 - L=950 mm for M5 terminal (E-drive 11000)	367931148

Shielded cables for signal and control (type FR20HH2R 450/750V)	
Model	Code
Shielded cable for pressure transmitter sect. 2x0,5 mm ² - L=900 mm	367931149
Shielded cable for pressure transmitter sect. 2x0,5 mm ² - L=1400 mm	367931151
Serial connection cable type RS485 sect. 2x0,5 mm ² - L=900 mm	367931150

Filters		
Model	Code	
EMC/line filter (input filter)	E-drive 1500-3000	362410117
	E-drive 4000-5500-7500-11000	362410118
	E-drive 1500-2200-3000-4000-5500	362410131
dv/dt filter (output filter)	E-drive 7500-11000-15000	362410132
	E-drive 185000-22000-30000-375000-45000	362410133
Sinusoidal filter (output filter)	E-drive 1500-2200-3000-4000-5500	362410134
	E-drive 7500-11000-15000	362410135

E-power

Variable speed control system

In-line electronic device for controlling electropumps, employing inverter technology. Starts and stops the pump and modulates the speed of the motor in relation to the water demand on the system, to maintain the operating pressure setting.

Provides excellent comfort for the end user, significant energy savings and increased service life, the typical advantages of inverter controlled autoclave systems.



High efficiency



Easy to install



Reliable and easy to use

Technical data

Max. working pressure	12 bar
Max. liquid temperature	40°C
Protection degree	IP65
Phase current	10 A
Motor output	Three phase 230V
Set-point regulation range	0,3÷8 bar
Hydraulic connection	1"¼ male-male
Main power supply	Single phase 230V ± 10%

Model	Code
E-power - Control system with variable speed for single systems	362300933
E-power - Control system with variable speed for two pumps systems	362300936

In case of replacement of an inverter E-power mounted on a pumps booster sets, please contact our sales network for commercial and technical information.

Accessories

Model	Code
Serial cable RS485 sez. 2x0,5 mm ² - L=500 mm	367931150
Output filter	369200038

Hydrocontroller

Variable speed control system

Professional in-line electronic device for controlling electropumps, employing inverter technology. Starts and stops the pump and modulates the speed of the motor in relation to the water demand on the system, to maintain the operating pressure setting. Suited to creating pressurisation units up to 8 pumps. Provides excellent comfort for the end user, significant energy savings and increased service life, the typical advantages of inverter controlled autoclave systems.



High efficiency



Easy to install



Reliable and easy to use

Technical data

Max. working pressure	12 bar
Max. liquid temperature	40°C
Protection degree	IP65
Phase current	6 A
Motor output	Three phase 400V
Set-point regulation range	0.3÷7.5 bar
Hydraulic connection	1"¼ female
Main power supply	Three phase 400V

Model	Code
Hydrocontroller 2,2 kW	362300938
Hydrocontroller 2,2 kW Wi-fi	362300939

Booster sets with Hydrocontroller on page 354



Presscomfort

Pressure regulator for one pump

Automatic electronic appliance, destined to regulate functioning of the electric pumps without using booster tanks.

Model	Code	Supply voltage V_{in}	Protection degree	Max. working pressure	Max. current intensity	Max. flow rate	Restart	Restart pressure
Presscomfort *	361700080	230 V	IP65	12 bar	10(6)A	10.000 l/h	Settable	1,5÷2,5 bar
Presscomfort with cable + plug *	361700081	230 V	IP65	12 bar	10(6)A	10.000 l/h	Settable	1,5÷2,5 bar

* Fitted as standard with manometer

Accessories

Model	Code
Replacement board Presscomfort	362300932
Presscomfort manometer	361600102



Q Series

Protection and control panel for borehole single phase electric pump

The panel consists of an ABS box with IP54 degree of protection and allows the control of an electric motor, with single phase power.

Thanks to the presence of a thermal protection, it ensures interruption of the operation of the motor in case of overcurrents.

1 borehole pump

Single phase 230V +10-15%						
Model	Code	HP	kW	[A] max	Recommended capacitor μF	V
Q 0,50 M 16 (WY 4")	362300615	0,5	0,37	4	16	450
Q 0,50 M 20 (OY 4")	362300667	0,5	0,37	4	20	450
Q 0,75 M 20 (WY 4")	362300616	0,75	0,55	6	20	450
Q 0,75 M 25 (OY 4")	362300668	0,75	0,55	6	25	450
Q 1,00 M 35 (WY/OY 4")	362300669	1	0,75	7	35	450
Q 1,50 M 40 (WY/OY 4")	362300670	1,5	1,1	9	40	450
Q 2,00 M 50 (WY 4")	362330422	2	1,5	12	50	450
Q 2,00 M 60 (OY 4")	362300671	2	1,5	12	60	450
Q 3,00 M 70 (WY 4")	362300620	3	2,2	18	70	450
Q 3,00 M 80 (OY 4")	362300672	3	2,2	18	80	450

Control panels supplied with capacitor



1EP-E Series

1 borehole/surface pump (use with sensors, transducer, pressure switch or floating switches)

Electronic panel for an electric pump, control via transducer, floating switches or pressure switches. Integrated level sensor module. Remote alarm output. Dry operating protection through cosphi.

1 borehole - surface pump

Single phase 230V +10-15%

Model	Code	HP	kW	Nominal curr. [A]
1EP-E 0,55M	362330982	0,5÷0,75	0,37÷0,55	4,5
1EP-E1,1M	362330983	0,8÷1,5	0,6÷1,1	9
1EP-E1,5M	362330984	1,8÷2,0	1,3÷1,5	12
1EP-E 2,2M	362330985	2,5÷3,0	1,85÷2,2	15

Three phase 400V +10-15%

Model	Code	HP	kW	Nominal curr. [A]
1EP-E1,1T	362330986	0,5÷1,5	0,37÷1,1	3,5
1EP-E2,2T	362330987	1,8÷3,0	1,3÷2,2	5
1EP-E4T	362330988	3,0÷5,5	3,0÷4,0	9
1EP-E7,5T	362330989	5,5÷10	4,0÷7,5	15

Accessories

Model	Code
Level sensor kit (3 sensors)	369210100
Acoustic and visual warning device on box SALB/6I (with buffer battery integrated)	362331001
Acoustic and visual warning device SAU6I (with buffer battery integrated)	362331003
Acoustic warning device S82 230-400 82dB (without buffer battery)	362331543
Acoustic and visual warning device SL82 230-400 82dB (without buffer battery)	362331528



2EP-E Series

2 borehole/surface pumps (use with sensors, transducer, pressure switch or floating switches)

Electronic control panel for two electric pumps, control via transducer, floating switches or pressure switches. Remote alarm output. Integrated restart electronic exchange.



2 borehole/surface pumps

Single phase 230V +10-15%

Model	Code	HP	kW	Nominal curr. [A]
2EP-E 0,55M	362330963	0,75+0,75	0,55+0,55	4,5
2EP-E 1,1M	362330964	1,5+1,5	1,1+1,1	9
2EP-E 1,5M	362330965	2+2	1,5+1,5	12
2EP-E 2,2M	362330966	3+3	2,2+2,2	15

Three phase 400V +10-15% - 50Hz

Model	Code	HP	kW	Nominal curr. [A]
2EP-E 1,1T	362330967	1,5+1,5	1,1+1,1	3,5
2EP-E 2,2T	362330968	3+3	2,2+2,2	5
2EP-E 4T	362330969	5,5+5,5	4+4	9
2EP-E 7,5T	362330970	10+10	7,5+7,5	15

Accessories

Model	Code
Level sensor kit (3 sensors)	369210100
Acoustic and visual warning device on box SALB/6I (with buffer battery integrated)	362331001
Acoustic and visual warning device SAU6I (with buffer battery integrated)	362331003
Acoustic warning device S82 230-400 82dB (without buffer battery)	362331543
Acoustic and visual warning device SL82 230-400 82dB (without buffer battery)	362331528



QM1 - QT1 Series

Electromechnical panels for drainage/sewer and surface pumps

Electromechnical panel for an electric pump. Control through floating switches or pressure switches. Alarm output with voltage 24V. Integrated motor overtemperature protection sensor. No module for level control sensor. Settable minimum level floating function (self-retaining or insufficient water control).

1 Sewage/wastewater - surface pump

Single phase 230V +10-15%

Model	Code	Surface		Weight [kg]	Nominal curr. [A]	Protection range [A]
		HP	kW			
QMDE10/4A-T-AR -1	362330892	0,5	0,37	4,5	2,8÷3,8	3,1÷4,2
QMDE10/5A-T-AR -1	362330893	0,75	0,55	4,5	3,8÷5,2	4,2÷5,7
QMDE10/7A-T-AR -1	362330894	1	0,75	4,5	5,2÷6,9	5,7÷7,6
QMDE10/9A-T-AR -1	362330895	1,5	1,1	4,5	6,9÷9,1	7,6÷10
QMDE10/12A-T-AR -1	362330896	2	1,5	4,5	9,1÷12	10÷13
QMDE10/15A-T-AR -1	362330897	3	2,2	4,5	12÷14,5	13÷16
QMDE10/18A-T-AR -1	362330898	-	-	4,5	14,5÷18	16÷20

Three phase 400V +10-15%

Model	Code	Surface		Weight [kg]	Nominal curr. [A]	Protection range [A]
		HP	kW			
QTDE10/2A-T-AR -1 *	362330934	1	0,75	6,0	1,5÷2,1	1,7÷2,3
QTDE10/3A-T-AR -1 *	362330935	1,5	1,1	6,0	2,1÷2,8	2,3÷3,1
QTDE10/4A-T-AR -1 *	362330859	2	1,5	6,0	2,8÷3,8	3,1÷4,2
QTDE10/5A-T-AR -1 *	362330860	3	2,2	6,0	3,8÷5,2	4,2÷5,7
QTDE10/7A-T-AR -1 *	362330861	4	3	6,0	5,2÷6,9	5,7÷7,6
QTDE10/9A-T-AR -1 *	362330862	5,5	4	6,0	6,9÷9,1	7,6÷10
QTDE10/12A-T-AR -1 *	362330863	7,5	5,5	6,5	9,1÷12	10÷13
QTDE10/15A-T-AR -1 *	362330864	10	7,5	6,5	12÷14,5	13÷16
QTDE10/18A-T-AR -1 *	362330865	12	9	6,5	14,5÷18	16÷20
QTDE10/22A-T-AR -1 *	362330866	15	11	6,5	18÷22	20÷24
QTDE10/26A-T-AR -1 *	362330867	17,5	13	6,5	22÷26	24÷29
QTDE10/32A-T-AR -1 *	362330868	20	15	8,0	26÷32	29÷35

* Direct start

Accessories

Model	Code
Acoustic and visual warning device on box SALB/6I (with buffer battery integrated)	362331001
Acoustic and visual warning device SAU6I (with buffer battery integrated)	362331003
Acoustic warning device S82 230-400 82dB (without buffer battery)	362331543
Acoustic and visual warning device SL82 230-400 82dB (without buffer battery)	362331528



QM2 - QT2 Series

Electromechanical panels for drainage/sewer and surface pumps

Electromechanical panel for two electric pumps. Control via floating switches or pressure switches. Alarm output with voltage 24V. Integrated motor overtemperature protection sensor. No module for level control sensor. Integrated exchange module for restart alternation. Settable minimum level floating function (self-retaining or insufficient water control)

2 Sewage/wastewater - surface pumps

Single phase 230V +10-15%

Model	Code	Surface		Weight [kg]	Nominal curr. [A]	Protection range [A]
		HP	kW			
QMDE20/4A-T-AR -1	362330899	0,5	0,37	9,9	2,8÷3,8	3,1÷4,2
QMDE20/5A-T-AR -1	362330900	0,75	0,55	9,9	3,8÷5,2	4,2÷5,7
QMDE20/7A-T-AR -1	362330901	1	0,75	9,9	5,2÷6,9	5,7÷7,6
QMDE20/9A-T-AR -1	362330902	1,5	1,1	9,9	6,9÷9,1	7,6÷10
QMDE20/12A-T-AR -1	362330903	2	1,5	9,9	9,1÷12	10÷13
QMDE20/15A-T-AR -1	362330904	3	2,2	23,0	12÷14,5	13÷16
QMDE20/18A-T-AR -1	362330905	-	-	23,0	14,5÷18	16÷20

Three phase 400V +10-15%

Model	Code	Surface		Weight [kg]	Nominal curr. [A]	Protection range [A]
		HP	kW			
QTDE20/3A-T-AR -1 *	362330869	1,5	1,1	8,5	2,1÷2,8	2,3÷3,1
QTDE20/4A-T-AR -1 *	362330870	2	1,5	8,5	2,8÷3,8	3,1÷4,2
QTDE20/5A-T-AR -1 *	362330871	3	2,2	8,5	3,8÷5,2	4,2÷5,7
QTDE20/7A-T-AR -1 *	362330872	4	3	8,5	5,2÷6,9	5,7÷7,6
QTDE20/9A-T-AR -1 *	362330873	5,5	4	8,5	6,9÷9,1	7,6÷10
QTDE20/12A-T-AR -1 *	362330874	7,5	5,5	13,0	9,1÷12	10÷13
QTDE20/15A-T-AR -1 *	362330875	10	7,5	13,0	12÷14,5	13÷16
QTDE20/18A-T-AR -1 *	362330876	12	9	13,0	14,5÷18	16÷20
QTDE20/22A-T-AR -1 *	362330877	15	11	13,0	18÷22	20÷24
QTDE20/26A-T-AR -1 *	362330878	17,5	13	13,0	22÷26	24÷29
QTDE20/32A-T-AR -1 *	362330879	20	15	23,0	26÷32	29÷35

* Direct start

Accessories

Model	Code
Acoustic and visual warning device on box SALB/6I (with buffer battery integrated)	362331001
Acoustic and visual warning device SAU6I (with buffer battery integrated)	362331003
Acoustic warning device S82 230-400 82dB (without buffer battery)	362331543
Acoustic and visual warning device SL82 230-400 82dB (without buffer battery)	362331528



QS1 Series

Electromechanical panels for drainage/sewer and surface pumps

Electromechanical panel for an electric pump. Control via floating switches or pressure switches. Alarm output with voltage 24V. Integrated motor overtemperature protection sensor. No module for level control sensor. STAR/DELTA start. Settable minimum level floating function (self-retaining or insufficient water control)

1 Sewage/wastewater - surface pump

Three phase 400V +10-15%

Model	Code	Surface		Weight [kg]	Nominal curr. [A]	Protection range** [A]
		HP	kW			
QTSE 10/9A-T-AR -1 *	362330817	5,5	4	7,5	6,5÷9	4,2÷5,7
QTSE 10/12A-T-AR -1 *	362330818	7,5	5,5	7,5	9÷12	5,7÷7,6
QTSE 10/16A-T-AR -1 *	362330819	10	7,5	8,5	12÷15,5	7,6÷10
QTSE 10/21A-T-AR -1 *	362330820	12	9	8,5	15,5÷20,5	10÷13
QTSE 10/25A-T-AR -1 *	362330821	15	11	21,0	20,5÷25	13÷16
QTSE 10/31A-T-AR -1 *	362330822	20	15	21,0	25÷31	16÷20
QTSE 10/37A-T-AR -1 *	362330823	25	18,5	21,0	31÷37	20÷24
QTSE 10/45A-T-AR -1 *	362330824	30	22	21,0	37÷45	24÷29
QTSE 10/55A-T-AR -1 *	362330825	40	30	36,0	45÷55	29÷35
QTSE 10/73A-T-AR -1 *	362330826	50	37	36,0	56÷73	36÷47
QTSE 10/83A-T-AR -1 *	362330827	60	45	36,0	69÷83	44÷53
QTSE 10/105A-T-AR -1 *	362330828	75	55	-	90÷105	57÷68
QTSE 10/135A-T-AR -1 *	362330829	90	70	-	120÷135	75÷87
QTSE 10/170A-T-AR -1 *	362330830	100	75	-	130÷170	80÷110

* Star-delta start

** 58% of nominal current

Accessories

Model	Code
Acoustic and visual warning device on box SALB/6I (with buffer battery integrated)	362331001
Acoustic and visual warning device SAU6I (with buffer battery integrated)	362331003
Acoustic warning device S82 230-400 82dB (without buffer battery)	362331543
Acoustic and visual warning device SL82 230-400 82dB (without buffer battery)	362331528



QS2 Series

Electromechanical panels for drainage/sewer and surface pumps

Electromechanical panel for two electric pumps. Control via floating switches or pressure switches. Alarm output with voltage 24V. Integrated motor overtemperature protection sensor. No module for level control sensor. Integrated exchange module for restart alternation. STAR/DELTA start. Settable minimum level floating function (self-retaining or insufficient water control)

2 Sewage/wastewater - surface pumps

Three phase 400V +10-15%

Model	Code	Surface		Weight [kg]	Nominal curr. [A]	Protection range** [A]
		HP	kW			
QTSE20/9A-T-AR -1 *	362330831	5,5	4	31,0	6,5÷9	4,2÷5,7
QTSE20/12A-T-AR -1 *	362330832	7,5	5,5	31,0	9÷12	5,7÷7,6
QTSE20/16A-T-AR -1 *	362330833	10	7,5	33,0	12÷15,5	7,6÷10
QTSE20/21A-T-AR -1 *	362330834	12	9	33,0	15,5÷20,5	10÷13
QTSE20/25A-T-AR -1 *	362330835	15	11	42,0	20,5÷25	13÷16
QTSE20/31A-T-AR -1 *	362330836	20	15	42,0	25÷31	16÷20
QTSE20/37A-T-AR -1 *	362330837	25	18,5	42,0	31÷37	20÷24
QTSE20/45A-T-AR -1 *	362330838	30	22	42,0	37÷45	24÷29
QTSE20/55A-T-AR -1 *	362330839	40	30	-	45÷55	29÷35
QTSE20/73A-T-AR -1 *	362330840	50	37	-	56÷73	36÷47
QTSE20/83A-T-AR -1 *	362330841	60	45	-	69÷83	44÷53
QTSE20/105A-T-AR -1 *	362330842	75	55	-	90÷105	57÷68
QTSE20/135A-T-AR -1 *	362330843	90	70	-	120÷135	75÷87
QTSE20/170A-T-AR -1 *	362330844	100	75	-	130÷170	80÷110

* Direct start

** 58% of nominal current

Accessories

Model	Code
Acoustic and visual warning device on box SALB/6I (with buffer battery integrated)	362331001
Acoustic and visual warning device SAU6I (with buffer battery integrated)	362331003
Acoustic warning device S82 230-400 82dB (without buffer battery)	362331543
Acoustic and visual warning device SL82 230-400 82dB (without buffer battery)	362331528



QA/50B Series

Electromechanical panels for drainage and sewer, surface and submerged pumps

Electromechanical panel for single phase electronic pump. Control via floating switches, pressure switches or level sensors. Integrated level sensor module. Selectable emptying or filling function. Integrated predisposition for connection of the capacitor. No contact for alarm output.

1 Sewage/wastewater - surface - borehole pump

Single phase 230V +10-15%

Model	Code	HP	kW	Nominal curr. [A]	Protection range [A]
QA/50B	362330642	0,55÷3	0,37÷2,2	2÷18	2÷18

Accessories

Model	Code
Level sensor kit (3 sensors)	369210100



QA/60C Series

Electromechanical panels for drainage and sewer, surface and submerged pumps

Electromechanical panel for three-phase electronic pump. Control via floating switches, pressure switches or level sensors. Integrated level sensor module. Selectable emptying or filling function. Integrated predisposition for connection of the capacitor. No contact for alarm output.

1 Sewage/wastewater - surface - borehole pump

Three phase 400V +10-15%

Model	Code	HP	kW	Nominal curr. [A]	Protection range [A]
QA/60C	362330657	0,75÷5	0,55÷3,7	2÷8	2÷8

Accessories

Model	Code
Level sensor kit (3 sensors)	369210100



QMD20 Series

Electromechanical panels for drainage and sewer, surface and submerged pumps

Electromechanical panel for 2 single phase electronic pumps. Control via floating switches or pressure switches. Integrated electronic exchange module for restart alternation. Selectable emptying or filling function. Self-retaining function (submersible pumps) and remote alarm management only with use of the MSM-MA1 kit (optional)

2 Sewage/wastewater - surface - borehole pumps

Single phase 230V +10-15%

Model	Code	HP	kW	Nominal curr. [A]	Protection range [A]
QMD20/0,37kW-4T-SI-2	362330938	0,55	0,37	2,8 - 3,8	4 (fix)
QMD20/0,55kW-6T-SI-2	362330939	0,75	0,55	3,8 - 5,2	6 (fix)
QMD20/0,75kW-7T-SI-2	362330643	1	0,75	7	7 (fix)
QMD20/1,1kW-10T-SI-2	362330644	1,5	1,1	10	10 (fix)
QMD20/1,5kW-13T-SI-2	362330645	2	1,5	13	13 (fix)
QMD20/2,2kW-18T-SI-2	362330646	3	2,2	18	18 (fix)

Accessories

Model	Code
KIT/MSM+MA1 - Kit modules for external alarm and autoretain managing	362331531
Acoustic and visual warning device on box SALB/6I (with buffer battery integrated)	362331001
Acoustic and visual warning device SAU6I (with buffer battery integrated)	362331003
Acoustic warning device S82 230-400 82dB (without buffer battery)	362331543
Acoustic and visual warning device SL82 230-400 82dB (without buffer battery)	362331528



SMART Series

Electronic microprocessor panels for drainage and sewer, surface and submerged pumps

Electronic microprocessor panel for one or two electric pumps. Control via floating switches, pressure switches or level sensors*. Available optional module for level control sensor. Integrated control for motor overtemperature sensor. Dry operating protection via cosphi. Self-learning function. Various functions available.

* optional module required

1 Sewage/wastewater - surface - borehole pump

Single phase 230V +10-15%

Model	Code	HP	kW	Nominal curr. [A]	Protection range [A]
QMD10/17A-A-SMART-K	362330941	0,75÷3	0,55÷2,2	2÷17	2÷17

Three phase 400V +10-15%

Model	Code	HP	kW	Nominal curr. [A]	Protection range [A]
QTD10/9A-A-SMART-S	362330942	5,5	0,25÷4	1÷9	1÷9
QTD10/17A-A-SMART-S	362330943	10	0,25÷7,5	1÷17	1÷17
QTD10/23A-A-SMART-S	362330944	15	0,75÷11	2÷23	2÷23
QTD10/29A-A-SMART-S	362330945	20	0,75÷15	2÷29	2÷29
QTD10/35A-A-SMART-S	362330946	25	0,75÷18,5	2÷35	2÷35

2 Sewage/wastewater - surface - borehole pumps

Single phase 230V +10-15%

Model	Code	HP	kW	Nominal curr. [A]	Protection range [A]
QMD20/17A-A-SMART-K	362330947	3	0,09÷2,2	1÷17	1÷17

Three phase 400V +10-15%

Model	Code	HP	kW	Nominal curr. [A]	Protection range [A]
QTD20/9A-A-SMART	362330948	5,5	0,25÷4	1÷9	1÷9
QTD20/17A-A-SMART	362330949	10	0,25÷7,5	1÷17	1÷17
QTD20/23A-A-SMART	362330950	15	0,75÷11	2÷23	2÷23
QTD20/29A-A-SMART	362330951	20	0,75÷15	2÷29	2÷29
QTD20/35A-A-SMART	362330952	25	0,75÷18,5	2÷35	2÷35

Accessories

Model	Code
Level sensor kit (4 sensors)	362331549
Level sensor kit (5 sensors)	362331550
Acoustic and visual warning device on box SALB/6I (with buffer battery integrated)	362331001
Acoustic and visual warning device SAU6I (with buffer battery integrated)	362331003
Acoustic warning device S82 230-400 82dB (without buffer battery)	362331543
Acoustic and visual warning device SL82 230-400 82dB (without buffer battery)	362331528



Anti-flooding kit

With alternating or contemporaneity function

Emergency pseudosenoid wave electronic back-up device with integrated exchanger (CSE4-S1) or without (CSE4) to manage drainage pumps in the absence of voltage.

For further information and availability, please contact our sales network.

Control panels accessories

Model	Code
Acoustic and visual electronic signal ver. on box SALB/6I (a)	362331001
Acoustic and visual electronic signal ver. 6 inputs SAL/6I (b)	362331003
Acoustic signal ver. on box S82/24V 82dB	362331030
Acoustic signal ver. on box S82/230-400V 82dB	362331543
Acoustic and visual electronic signal ver. on box SL82/24V 82dB (c)	362331031
Acoustic and visual electronic signal ver. on box SL82/230-400V 82dB (c)	362331528



1/2SP EFC Series

Electric control panels with two inverters for an electric pump

Electronic panel with frequency converter for power supply, control and protection of one pump (1SP series) or two pumps (2SP EFC series) surface and borehole. Basic function for constant pressure monitoring via external pressure transducer signal. Function for differential pressure control (air conditioning or heating system) using 2 standard pressure transducers.

For 2SP FC single-inverter, exchange with integrated reset switching function.

1 inverter

Three phase 400V +10-15%

Model	Code	HP	kW	[A] max
1SP FC 1,5T - 2	362330447	2	1,5	3,5
1SP FC 2,2T - 2	362330448	3	2,2	5
1SP FC 3T - 2	362330449	4	3	7
1SP FC 4T - 2	362330450	5,5	4	9
1SP FC 5,5T - 2	362330451	7,5	5,5	12
1SP FC 7,5T - 2	362330452	10	7,5	15
1SP FC 11SD - 2	362330453	15	11	23
1SP FC 15SD -2	362330454	20	15	31
1SP FC 18,5SD -2	362330455	25	18,5	37
1SP FC 22SD -2	362330456	30	22	43
1SP FC 30SD -2	362330457	40	30	65

2 inverter with exchange (EFC)

Three phase 400V +10-15%

Model	Code	HP	kW	[A] max
2SP EFC 1,5T - 2	362330458	2+2	1,5+1,5	3,5
2SP EFC 2,2T - 2	362330459	3+3	2,2+2,2	5
2SP EFC 3T - 2	362330460	4+4	3+3	7
2SP EFC 4T - 2	362330461	5,5+5,5	4+4	9
2SP EFC 5,5 T - 2	362330462	7,5+7,5	5,5+5,5	12
2SP EFC 7,5 T - 2	362330463	10+10	7,5+7,5	15
2SP EFC 11 SD - 2	362330464	15+15	11+11	23
2SP EFC 15SD -2	362330465	20+20	15+15	31
2SP EFC 18,5SD -2	362330466	25+25	18,5+18,5	37
2SP EFC 22SD -2	362330467	30+30	22+22	43
2SP EFC 30SD -2	362330468	40+40	30+30	65



SP MFC Series

Electric control panels with two inverters for an electric pump

Electronic panel with two frequency converters for power, control and protection of two surface and borehole pumps. Basic function for constant pressure control via external pressure transducer signal. Function for differential pressure control (air conditioning or heating system) using 2 standard pressure transducers. Integrated reboot switching. Frequency of synchronous operation when both pumps operate.

2 inverter (MFC)

Three phase 400V +10-15%

Model	Code	HP	kW	[A] max
2SP MFC 1,5 T - 2	362330469	2+2	1,5+1,5	3,5
2SP MFC 2,2 T - 2	362330470	3+3	2,2+2,2	5
2SP MFC 3 T - 2	362330471	4+4	3+3	7
2SP MFC 4 T - 2	362330472	5,5+5,5	4+4	9
2SP MFC 5,5 T - 2	362330473	7,5+7,5	5,5+5,5	12
2SP MFC 7,5 T - 2	362330474	10+10	7,5+7,5	15
2SP MFC 11 T - 2	362330475	15+15	11+11	23
2SP MFC 15T - 2	362330476	20+20	15+15	31
2SP MFC 18,5T - 2	362330477	25+25	18,5+18,5	37
2SP MFC 22T - 2	362330478	30+30	22+22	43
2SP MFC 30T - 2	362330479	40+40	30+30	65

Accessories

Model	Code
Pressure transducer 16 bar 4-20 mA	460500024
Pressure transducer 25 bar 4-20 mA	460500025
Shielded cable for pressure transmitter 2x0,5 mm ² - L=900 mm	367931149
Shielded cable for pressure transmitter 2x0,5 mm ² - L=1400 mm	367931151

Control panel with inverter for 3 or 4 pumps: contact our sales network

Accessories

Valves



Model	Code
Check valve FF G $\frac{3}{4}$ " A304 FPM PN16	369800056
Check valve FF G1" A304 FPM PN16	369800057
Check valve FF G1" $\frac{1}{4}$ " A304 FPM PN16	369800070
Check valve FF G1" $\frac{1}{2}$ " A304 FPM PN16	369800050
Check valve FF G2" A304 FPM PN16	369800051
Check valve FF G2" $\frac{1}{2}$ " A304 FPM PN16	369800052
Check valve FF G3" A304 FPM PN16	369800053
Check valve FF G4" A304 FPM PN16	369800054

Valves for submersible pumps (RIGHT, DW, DML)



Model	Code
Threaded ball check valve DN 1" $\frac{1}{4}$ " PN10	369800124
Threaded ball check valve DN 1" $\frac{1}{2}$ " PN10	369800125
Threaded ball check valve DN 2" PN10	369800126
Flanged ball check valve DN 65 PN10	369800127
Flanged ball check valve DN 80 PN10	369800128
Flanged ball check valve DN 100 PN10	369800129
Flanged ball check valve DN 125 PN10	369800130
Flanged ball check valve DN 150 PN10	369800131

Pressure switches



Model	Code
Pressure switch SQUARE D FSG-2 1,4÷4,6 bar G $\frac{1}{4}$ " F	361700030
Pressure switch SQUARE D 9013 FYG-22 2,8÷7 bar G $\frac{1}{4}$ " F	361700032
Pressure switch XMP A06B 2131C 1÷6 bar	361700027
Pressure switch XMX A 06 L2135 1÷6 bar	361700037
Pressure switch XMP A 06C 2141 C064 1÷6 bar G $\frac{1}{4}$ " F	361700028
Pressure switch FYG-22 2,8÷7 bar G $\frac{1}{4}$ " F Ø9÷12	361700124
Pressure switch FYG-32 5,6÷10,5 bar G $\frac{1}{4}$ " F	361700031
Pressure switch XMP A12B 2131C 1,3÷12 bar	361700026

Floats



Model	Code
Float 5 m PVC with counterweight	365200005
Float 10 m PVC with counterweight	365200009
Float 20 m PVC with counterweight	365200052
Float Taurus H07RNF 8,8 GTAH3x106GG01 6 m	365231200
Float Taurus H07RNF 8,8 GTAH3x110GG01 10 m	365231201
Float Taurus H07RNF 8,8 GTAH3x115GG01 15 m	365231202
Float Taurus H07RNF 8,8 GTAH3x120GG01 20 m	365231203
Float RNC-1002 10 m	369250040

Accessories

Cables joint for borehole pumps



Model	Code
GPS-1 (for cables 4x1,5 and 4x2,5)	369210000
GPS-2 (for cables 4x4 and 4x6)	369210090
Cast resin cable joint 92A1 (section 1,5÷10 mm2)	371449054
Cast resin cable joint 92A2 (section 4÷25 mm2)	371449055

Body insulation casings



Model	Code
Body insulation casing for DWC	341445015
Body insulation casing for CDX(L) 70/05 - 70/07 - 90/10 - 120/07 - 120/12 - 200/12	341445019
Body insulation casing for CDX(L) 120/20 - 200/20 - 200/25	341445020
Body insulation casing for 2CDX(L) 70/10 - 70/12 - 120/15 - 120/20	341445047
Body insulation casing for 2CDX(L) 200/30	341445048
Body insulation casing for 2CDX(L) 70/15 - 70/20 - 120/30 - 120/40	341445049
Body insulation casing for 2CDX(L) 200/40 - 200/50	341445050
Body insulation casing for MATRIX 3-2T/0,45(M)	341445022
Body insulation casing for MATRIX 3-3T/0,65(M)	341445022
Body insulation casing for MATRIX 3-4T/0,65(M)	341445023
Body insulation casing for MATRIX 3-5T/0,75(M)	341445031
Body insulation casing for MATRIX 3-6T/0,9(M)	341445032
Body insulation casing for MATRIX 3-7T/1,3(M)	341445033
Body insulation casing for MATRIX 3-8T/1,3(M)	341445034
Body insulation casing for MATRIX 3-9T/1,5(M)	341445035
Body insulation casing for MATRIX 5-3T/0,65(M)	341445021
Body insulation casing for MATRIX 5-4T/0,9(M)	341445024
Body insulation casing for MATRIX 5-5T/1,3(M)	341445037
Body insulation casing for MATRIX 5-6T/1,3(M)	341445038
Body insulation casing for MATRIX 5-7T/1,5(M)	341445039
Body insulation casing for MATRIX 5-8T/2,2(M)	341445040
Body insulation casing for MATRIX 5-9T/2,2(M)	341445041
Body insulation casing for MATRIX 10-3T/1,3(M)	341445042
Body insulation casing for MATRIX 10-4T/1,5(M)	341445026
Body insulation casing for MATRIX 10-5T/2,2(M)	341445043
Body insulation casing for MATRIX 10-6T/2,2(M)	341445044
Body insulation casing for MATRIX 18-2T/1,5(M)	341445027
Body insulation casing for MATRIX 18-3T/2,2(M)	341445027
Body insulation casing for MATRIX 18-4T/3	341445028
Body insulation casing for MATRIX 18-5T/4	341445029
Body insulation casing for MATRIX 18-6T/4	341445046
Body insulation casing Ego 25/XX-180	341445051
Body insulation casing Ego 25/XX-130	341445052
Body insulation casing Ego 32/XX-180	341445053
Body insulation casing Ego Easy DN 25/32	341445054

Accessories

Cables for borehole pumps



Model	Code
Flat cable 4x2 connector for 4" OY motor - 10 m	367901021
Flat cable 4x2 connector for 4" OY motor - 20 m	367901022
Flat cable 4x2 connector for 4" OY motor - 30 m	367901030
Flat cable 4x2 connector for 4" OY motor - 40 m	367901023
Flat cable 4x2 connector for 4" OY motor - 60 m	367901060
Cable 4x2,5 for 4" OY motor - 40 m	367931128
Cable 4x2,5 for 4" OY motor - 60 m	367931129
Cable 4x4 for 4" OY motor - 60 m	367931130
Cable 4x4 connector for 6" WY6 motor - 4 m	367901011
Cable 4x4 connector for 6" WY6 motor - 8 m	367901012

Manometers



Model	Code
Radial connection, scale from 0÷6 bar Ø mm 50 att. ¼	361600104
Back/rear connection, scale from 0÷6 bar Ø mm 50 att. ¼	361600007
Radial connection, scale from 0÷10 bar Ø mm 50 att. ¼	361600160
Back/rear connection, scale from 0÷10 bar Ø mm 50 att. ¼	361600003

Brass fittings - multiway



Model	Code
A 3 ways 1" H 72	369200100
A 5 ways 1" H 72	369200101
A 5 ways 1" H 91	369200103
A 5 ways 1" H 91 nickel-plated	369200106

Capacitors 450V



Model	Code
Capacitor MF 40 450V L=250	361430040
Capacitor MF 50 450V L=150	361410050
Capacitor MF 60 450V L=150	361401600
Capacitor MF 70 450V L=150	361410070
Capacitor MF 80 450V L=150	361403800

Air feeders



Model	Code
MINI	369700001
MIDI	369700002
MAXI	369700003

Air feeders pipes



Model	Code
Tube flexible MINI ¼ x ½ L 700	361900063
Tube flexible MIDI and MAXI ½ x ¾ L 1000	361900064

Accessories

Cooling sleeve suitable for 4" borehole pumps

	Model	Length diameter [mm]	Code
	Cooling sleeve 1 - 115x500 a)	115 x 500	369253394
	Cooling sleeve 2 - 115x800 a)	115 x 800	369253395
	Cooling sleeve 3 - 115x1000 a)	115 x 1000	369253396
	Cooling sleeve 4 - 145x500 a)	145 x 500	369253397
	Cooling sleeve 5 - 145x800 a)	145 x 800	369253398
	Cooling sleeve 6 - 145x1000 a)	145 x 1000	369253399
	Filter kit 115x117 b)	115 x 117	369253400
	Filter kit 145x158 b)	145 x 158	369253401
	Bracket kit for cooling sleeve N°1 c)	-	369253402
	Bracket kit for cooling sleeve N°2-3 c)	-	369253403
	Bracket kit for cooling sleeve N°4 c)	-	369253404
	Bracket kit for cooling sleeve N°5-6 c)	-	369253405

Cooling sleeve selection table

Model	4" pump model	Pipe code	Filter code	Bracket kit code	
WINNER 4N	WINNER 4N1-12 → 48	369253394	369253400	369253402	
	WINNER 4N2-7 → 28				
	WINNER 4N4-4 → 18				
	WINNER 4N7-4 → 12				
	WINNER 4N10-4 → 8				
	WINNER 4N1-68				
	WINNER 4N2-40 → 56	369253395	369253400	369253403	
	WINNER 4N4-27 → 48				
	WINNER 4N7-17 → 42				
	WINNER 4N10-13 → 32				
	WINNER 4N10-44				
	WINNER 4N15-4 → 6				
WINNER 4N15-8 → 20	369253396	369253401	369253404		
WINNER 4N15-27					
4BHS	4BHS/A 2-13 → 36	369253394	369253400	369253402	
	4BHS/A 4-7 → 20				
	4BHS/A 7-4 → 10				
	4BHS/A 2-44 → 51	369253395		369253400	369253403
	4BHS/A 4-24 → 48				
	4BHS/A 7-12 → 23				
4WN	4WN1-10/38	369253394	369253400	369253402	
	4WN2-5/20				
	4WN3-5/21				
	4WN4-5/18				
	4WN5-4/16				
	4WN6-7/14				
	4WN8-4/8				
	4WN10-7/10	369253395	369253400	369253403	
	4WN3-32				
	4WN4-27/48				
	4WN5-24/44				
	4WN6-20/49				
	4WN8-13/32				
	4WN10-14/32				
	4WN12-7	369253397	369253401	369253404	
	4WN12-10/26				
	4WN15-8/20	369253398	369253401	369253405	
4WN12-38					
4WN15-26					

Accessories

PVC pipes



Model	Weight [kg]	Length [m]	Connections	Max. pressure	Code
PVC pipe 3 mt - 1"¼ - 25 bar *	2,5	3	1"¼	25 bar	361900071
PVC pipe 3 mt - 1"¼ - 35 bar *	3,9	3	1"¼	35 bar	361900072
PVC pipe 3 mt - 2" - 35 bar **	6,2	3	2"	35 bar	361900073

* Minimum order 25 pieces or multiple

** Minimum order 10 pieces or multiple

PVC pipes adaptors



AISI 304

Model	Connections	Side	Material	Code
Bottom adaptor 1"¼	1"¼	Bottom	AISI 304	361900074
Bottom adaptor 2"	2"	Bottom	AISI 304	361900075
Top adaptor 1"¼	1"¼	Top	AISI 304	361900081
Top adaptor 2"	2"	Top	AISI 304	361900082

PVC pipes accessories



Model	Connections	Code
Pipe lowering fixture clamps for 1"¼	1"¼	361900078
Pipe lowering fixture clamps for 2"	2"	361900079
Pump guard set (2 flanges + 2 tie-rods + tie-pipe) for PVC pipe for 2"	2"	361900080

IDROGO - Hydraulic kit for two pumps for pressure tank or inverter driven

Model	Code
Hydraulic discharge kit IDROGO (manifold, valves, pressure switches, pressure gauge)	370100007

6BHE(L) adaptor kit

Model	Code
Kit adaptor 6BHE(L) 6"x 4"	369252409

6" motors - Screws kit for Franklin motors (to coupling to pump)

Model	Code
Set screw + nuts for motor WY6	369250577

D-TANK accessories



1



2 - 3



4

Model	Code
Plate for D-TANK 600E (1) (max 60 kg)	365800711
Flange for D-TANK/DRS 2" in cast iron (2)	369251172
Flange for D-TANK/DRS 1"½ in cast iron (3)	369251171
Reducer for D-TANK 2" - 1"½ PVC (4)	362700984
Replacement kit pipe tank 100 l	365800716

Accessories

Spheric tank Approved PED 97/23/CE

Model	Volume litres	Connection	Code
Tank 24 litres 8 bar 1" EPDM	24	1"	367724001

Cylindrical horizontal tank Approved PED 97/23/CE

Model	Volume litres	Connection	Code
Tank 24 litres 10 bar ¾ EPDM	24	¾"	367724012
Tank 24 litres 10 bar 1" EPDM	24	1"	367800024
Tank 50 litres 10 bar 1" EPDM	50	1"	367800050
Tank 100 litres 10 bar 1" EPDM	100	1"	367800100
Tank 200 litres 10 bar 1½" EPDM	200	1½"	367800200

Tank inox Approved PED 97/23/CE

Model	Volume litres	Connection	Code
Tank 20 litres horizontal 10 bar AISI 304 EPDM	20	1"	367700025
Tank 20 litres vertical 10 bar AISI 304 EPDM	20	1"	367700023
Tank 20 litres vertical 13 bar AISI 304 EPDM	20	1"	367700083
Tank 20 litres vertical 16 bar AISI 304 EPDM	20	1"	367700086

Cylindrical vertical tank Approved PED 97/23/CE

Model	Diameter [mm]	Height [mm]	Volume litres	Connection	Code
Tank 5 litres 10 bar 1" EPDM	160	270	5	1"	367705002
Tank 8 litres 10 bar ¾ EPDM	200	280	8	¾"	367708000
Tank 24 litres 10 bar 1" EPDM	270	485	24	1"	367790231
Tank 24 litres 16 bar 1" EPDM	270	485	24	1"	367790232
Tank 50 litres 10 bar EPDM	380	770	50	1"	367801050
Tank 100 litres 10 bar EPDM	450	910	100	1"	367801100
Tank 200 litres 10 bar EPDM	550	1235	200	1½"	367801200
Tank 300 litres 10 bar EPDM	630	1365	300	1½"	367801300
Tank 500 litres 10 bar EPDM	750	1560	500	1½"	367801500

Cylindrical polyfunctional vertical tank certified NSF 61, CE/PED, WRAS, ACS, Gost

Model	Volume litres	Connection	Code
Tank PWB 2-LX 2L 1,9-10bar 1" GWS	2	1"	367700160
Tank PWB 8-LX 8L 1,9-10bar 1" GWS	8	1"	367700161
Tank PWB 18-LX 18L 1,9-10bar 1" GWS	18	1"	367700162
Tank PEB 24-LX 24L 1,9-10bar 1" GWS	24	1"	367700163

Cylindrical polyfunctional horizontal tank certified NSF 61, CE/PED, WRAS, ACS, Gost

Model	Volume litres	Connection	Code
Tank PWB 8-LH 8L 1,9-10bar 1" GWS	8	1"	367700164
Tank PWB 20-LH 20L 1,9-10bar 1" GWS	20	1"	367724017
Tank PWB 24-LH 24L 1,9-10bar 1" GWS	24	1"	367700166
Tank PWB 60-LH 60L 1,9-10bar 1" GWS	60	1"	367700167
Tank PWB 80-LH 80L 1,9-10bar 1" GWS	80	1"	367700168
Tank PWB 100-LH 100L 1,9-10bar 1" GWS	100	1"	367700169

Accessories

Vertical tank with base certified NSF 61, CE/PED, WRAS, ACS, Gost

Model	Volume litres	Connection	Code
Tank PWB 60-LV 60L	60	1"	367700174
Tank PWB 100-LV 100L	100	1"	367700173
Tank GCB 200-LV 200L 1,9-10bar 1"¼ GWS	200	1¼"	367700170
Tank GCB 300-LV 310L 1,9-10bar 1"¼ GWS	300	1¼"	367700171
Tank GCB 450-LV 450L 1,9-10bar 1"¼ GWS	450	1¼"	367700172

Vertical tested tank in galvanized stainless steel

Model	Volume litres	Connection	Code
Tank 100 litres 10 bar	100	1"	367700017
Tank 200 litres 10 bar	200	1"	367700033
Tank 300 litres 10 bar	300	1"	367700018
Tank 500 litres 10 bar	500	1"	367700019
Tank 750 litres 10 bar	750	1"¼	367700071
Tank 1000 litres 10 bar	1000	1"¼	367780522
Tank 1500 litres 10 bar	1500	1"¼	367780512
Tank 2000 litres 10 bar	2000	1"¼	367700369

Replacement membranes for tanks

Model	Code
18-24 litres cylindrical	365800083
50 litres cylindrical	369251127
100 litres cylindrical	365800100
200 litres cylindrical	369251095
300 litres cylindrical	369251096
500 litres cylindrical	369251097

OPTIMA - BEST ONE accessories

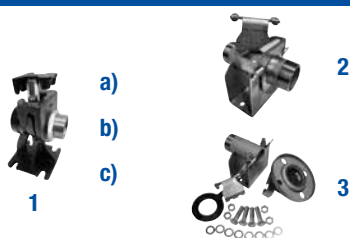


Model	Code
a) 1"¼ hose connector and related clamp	369200300
b) Minimum suction device up to 3 mm (only for OPTIMA and BEST ONE)	260140110

RIGHT accessories

Model	Code
Adaptor for the application of the DW lowering device kit with RIGHT pumps (see DW - DW VOX accessories for the kit)	362700984

DW - DW VOX accessories



Model	Code
1 Kit lowering device for DW in cast iron - 2" threaded (1)	369250020
2 Kit lowering device for DW in stainless steel - 2" threaded (2)	365800550
3 Kit lowering device for DWF in stainless steel - DN50 threaded (3)	369210235
Fixing Bracket in cast iron for DW-DW VOX (a)	369250922
Hook guidand in cast iron for DW-DW VOX (b)	369250920
Fixed basand in cast iron for DW-DW VOX (c)	369250921

Accessories

Quick discharge connector (QDC) for DS, DVS, DML, DMLV, DL-DL W/C (with cutter)

Model	Code	Models					Weight [kg]	Discharge DN
		DS	DVS	DLW/C	DL	DML(V)		
LS 50**	260145086	50DS 1,5 kW	50DVS 1,5 kW	-	-	-	9	50
LM 50*	260140017	50DS 2,2÷3,7 kW	-	-	-	-	11	50
LM 65*	260140019	65DS 1,5 kW	65DVS 1,5÷3,7 kW 80DVS 1,5÷3,7 kW	65DLW/C 1,5 kW	65DL 1,5 kW	-	14	65 80
LM 80*	369210240	80DS 2,2÷3,7 kW	-	80DLW/C 1,5÷3,7 kW	80DL 1,5÷3,7 kW	80&100 DML(V) 2,2÷3,7 kW	17	80
LL 80*	369250001	-	-	-	80DLC 5,5÷7,5 kW 100DLC 5,5÷7,5 kW	-	44	80 100
LL 100*	369250002	100DS 5,5÷7,5 kW	-	100DLW/C 3,7÷7,5 kW	100DL&DLB 3,7÷18,5 kW	100DML(V) 5,5÷22kW 150DML(V) 5,5÷22kW	46	100 150
LL 125*	260145392	-	-	-	150DL 5,5÷22 kW	-	65	150
LL 150*	260145384	-	-	-	150DL 30÷45 kW 200DL 5,5÷45 kW	-	80	150 200
LL 250*	260145400	-	-	-	250DL 7,5÷22 kW	-	150	250
Adapt. DN300>DN250	260145395	-	-	-	250DL 30÷45 kW	-	-	250
LL 300*	260145385	-	-	-	250DL 30÷45 kW 300DL 11÷45 kW	-	200	250 300

* Supplied with galvanized chain

** Supplied with rope

Lowering slide kit

Model	Discharge DN	Code
Adaptor DN 80	80	369210366
Adaptor DN 100 (*)	100	369210365

* Required only for models DS, DVS, DL-DL W/C, DML, DMLV

Flange adaptor (C40 STEEL) JIS/DIN (DS, DVS, DL-DL W/C, DML, DMLV)

Model	Code
Flange adaptor JIS/DIN 80x80	362700978
Flange adaptor JIS/DIN 80x100	362700979
Flange adaptor JIS/DIN 100x100	362700980
Flange adaptor JIS/DIN 100x150	362700981
Flange adaptor JIS/DIN 150x150	362700982





Hook guide - D Series

Model	Code
Adaptor 80DN 1TG F (1 Guides pipe)	362700970
Adaptor 100DN 1TG F (1 Guides pipe)	362700971
Adaptor 150DN 1TG F (1 Guides pipe)	362700972
Adaptor 65 DIN 2TG F (2 Guides pipes)	369251166
Flange for adaptor 2TG F DN65*	369251173
Adaptor 80/100 DIN 2TG F (2 Guides pipes)	369251168
Flange for adaptor 2TG F DN80*	369251174
Adaptor 100x150 DIN 2TG F (2 Guides pipes)	369251169
Flange for adaptor 2TG F DN100*	369251175
Adaptor 150 DIN 2TG F (2 Guides pipes)	369251170

* Required only for models DS, DVS, DL-DL W / C, DML, DMLV

Accessories

DMLF-DMLVF-DSF-DRD-DRS accessories

Model DMLF DSF DMLVF DRD DRS	QDC*	Code	Elbow for discharge	Code	Tripod	Code	Threaded flange	Code
								
DN40	GPADN502T	369251222	GCF2	369251235			GF1.1/2T	369251242
DN40							GF2	369251243
DN40							GF2-272 (DRP)	369251245
DN40			GCF2-272 (DRP)	369251241				
DN65	GPADN65/8	369251224	GCDN65	369251236	PAP65SP02	369251246	GF2.1/2	369251244
DN65	GPADN65/15	369251223	GCF2.1/2	369251237				
DN65	GPADN65/L	369251229						
DN80	GPADN80/L	369251225	GCDN80/L	369251240	PAPDN80/L	369251247		
DN100	GPADN100/L	369251226	GCDN100/L	369251238	PAPDN100NP07	369251248		
DN100					PAPDN100SP07	369251249		
DN125					PAPDN125NP07	369251250		
DN125					PAPDN125SP07	369251251		
DN150	GPADN150/L	369251227	GCDN150/	369251239	PAPDN150	369251252		
DN150	GPADN150/15	369251232			PAPDN150SP07	369251260		
DN200	GPADN200	369251230			PAPDN200	369251256		
DN250	GPADN250/L	369251231			PAPDN250	369251257		
DN300	GPADN300	369251233			PAPDN300	369251258		
DN350	GPADN350/L	369251234			PAPDN400	369251259		

* Kit lowering device at 2 guide rails

For compatible accessories please contact our sales network

Accessories

EVMS - Round counterflanges (F, LF)



Model	Max. working pressure [bar]	Size	Q.ty of set	Elastomers	Code Galvanized	Code AISI 316
EVMS(.)1, 3	25	DN25	2	EPDM	364100021	364300026
			2	FPM	364400021	364400026
EVMS(.)5	25	DN32	2	EPDM	364100022	364300027
			2	FPM	364400022	364400027
EVMS(.)10	25	DN40	2	EPDM	364100023	364300028
			2	FPM	364400023	364400028
EVMS(.)15, 20	25	DN50	2	EPDM	364100024	364300029
			2	FPM	364400024	364400029

EVMS - Victaulic® coupling (V)



Model	Max. working pressure [bar]	Size	Q.ty of set	Elastomers	Code AISI 316L
EVMS(.)1, 3	25	DN25	2	EPDM	365100120
			2	FPM	365200120
EVMS(.)10, 15, 20	25	DN32	2	EPDM	365100121
			2	FPM	365200121

EVMS - Victaulic® coupling (V) with pipe stubs



Model	Type	Max. working pressure [bar]	Size	Q.ty of set	Elastomers	Code AISI 316L
EVMS(.)1, 3, 5	with threaded pipe stub sets	25	R1¼	2	EPDM	364100122
				2	FPM	364200122
	with pipe stub sets for welding	25	DN32	2	EPDM	364100123
				2	FPM	364200123
EVMS(.)10, 15, 20	with threaded pipe stub sets	25	R2	2	EPDM	364100124
				2	FPM	364200124
	with pipe stub sets for welding	25	DN50	2	EPDM	364100125
				2	FPM	364200125

EVMS - Clamp pipe stub for welding (C)



Model	Max. working pressure [bar]	Size	Q.ty of set	Code AISI 316L
EVMS(.)1, 3, 5	25	Ø59	2	375316215
EVMS(.)10, 15, 20	25	Ø87	2	375316216

Clamp coupling is included in the pump.

EVM - Counterflanges kit



Model	PN	Ø	Type	Code Galvanized/EPDM	Code AISI 304/EPDM	Code AISI 316/FPM
EVMG - EVM 32F	16-25	DN65	Round	364100070	364500070	364300070
EVMG - EVM 45F	16-25	DN80	Round	364400079	364500079	364300079
EVMG - EVM 64F	16	DN100	Round	364100071	364500071	364300071
EVMG - EVM 64F	25	DN100	Round	364200071	364600071	364700071

Accessories

3 SERIES - Counterflanges kit (complete with gaskets, nuts and bolts)



Model	Code Galvanized	Code AISI 304	Code AISI 316
3M-3S-3P 32	364400001	364400006	364300011
3M-3S-3P 40	364400002	364400007	364300012
3M-3S-3P 50	364400003	364400008	364300013
3M-3S-3P 65	364400000	364400043	364300043

3D SERIES - MD - Galvanized counterflanges kit (complete with gaskets, nuts and bolts)



Model	Code
3D-MD-MMD 32	364400001
3D-MD-MMD 40	364400002
3D-MD-MMD 50	364400003
3D-MD-MMD 65	364400000
MMD 80	369250880
MMD 100	369250881
MMD 125	369250882
MMD 150	369250883
MMD 200	369250884

Ego Easy/Slim accessories - Module C

Model	Code
Communication module C (on request for single version, as standard for twin version)	369250028

Ego - MR accessories - Galvanized counterflanges kit

Model	Code
DN 32 - Galvanized counterflanges kit	364400032
DN 40 - Galvanized counterflanges kit	364400040
DN 50 - Galvanized counterflanges kit	364400050
DN 65 - Galvanized counterflanges kit	364401065
DN 80 - Galvanized counterflanges kit	364401080
DN 100 - Galvanized counterflanges kit	364401100

Ego - accessories - Blind flange

Model	Code
Blind flange Ego TC 40-50-65-80 (H)	275190226
Blind flange Ego TC slim 40-120 - Ego easy 40-120	369500164
Blind flange Ego TC slim 50-120	369500165

Accessories

Ego accessories - Pair of cast iron/steel nozzles



Model	Pipe side	Code
Pair of nozzles and related fittings 1"	½" F	369210172
Pair of nozzles and related fittings 1"½	1" F	369210175
Pair of nozzles and related fittings 2"	1"¼ F	369210174

Ego accessories - Pair of brass nozzles



Model	Pipe side	Code
Pair of brass nozzles and related fittings 1"	½" F	369210026
Pair of brass nozzles and related fittings 1"½	1" F	369210027
Pair of brass nozzles and related fittings 1"½	¾" F	369210179

LPS accessories - Counterflanges kit

Model	Code Galvanized	Code AISI 304
DN 25 - Counterflanges kit	364400025	-
DN 32 - Counterflanges kit	364400032	364300032
DN 40 - Counterflanges kit	364400040	364300040
DN 50 - Counterflanges kit	364400050	364300050

LPC - LPCD accessories - Counterflanges kit

Model	Code
DN 32 - Galvanized counterflanges kit	364400032
DN 40 - Galvanized counterflanges kit	364400040
DN 50 - Galvanized counterflanges kit	364400050
DN 65 - Galvanized counterflanges kit	364401065
DN 80 - Galvanized counterflanges kit	364401080
DN 100 - Galvanized counterflanges kit	364401100

LPC - LPCD accessories- Blind flanges

Model	Code
Blind flange LPCD 40/50-125	369250910
Blind flange LPCD 50/65/80-160	369250030
Blind flange LPCD 100/125	369250031

Filter holder and cartridges



Model	Code
Filter holder SENIOR 3P SX 10" connect. ¾"	344600014
Filter holder SENIOR 3P SX 10" connect. 1"	344600015
Reusable cartridge FA SX 10" wire wrapped (polypropylene)	344600124
Washable cartridge RL SX 10" in polyester	344600118
Disposable cartridge LA SX 10" with activated carbon	344600121
Disposable cartridge HA SX 10" with polyphosphate crystals	344600122
Disassembly wrench for filter holder SENIOR	365800530

Mechanical seals

CD - CDX(L) - Price list increase for special mechanical seals

Model	Materials	Elastomers
"H" version	Graphite/Ceramic	Fluoroelastomer (FPM)
"HS" version	SiC/SiC	Fluoroelastomer (FPM)
"HW" version	Tungsten carbide/Tungsten carbide	Fluoroelastomer (FPM)
"HSW" version	SiC/Tungsten carbide	Fluoroelastomer (FPM)
"E" version	Graphite/Ceramic	EPDM
"Q1AEGG" version	SiC/Metallised carbon	EPDM
"Q1U3EGG" version	SiC/Tungsten carbide	EPDM
"VAEGG" version	Ceramic/Metallised carbon	EPDM
"U3U3EGG" version	Tungsten carbide/Tungsten carbide	EPDM
"U3CEGG" version	Tungsten carbide/Special carbon	EPDM

2CDX(L) - Price list increase for special mechanical seals

Model	Materials	Elastomers
"H" version	Graphite/Ceramic	Fluoroelastomer (FPM)
"HS" version	SiC/SiC	Fluoroelastomer (FPM)
"HW" version	Tungsten carbide/Tungsten carbide	Fluoroelastomer (FPM)
"HSW" version	SiC/Tungsten carbide	Fluoroelastomer (FPM)
"E" version	Graphite/Ceramic	EPDM
"Q1AEGG" version	SiC/Metallised carbon	EPDM
"Q1U3EGG" version	SiC/Tungsten carbide	EPDM
"VAEGG" version	Ceramic/Metallised carbon	EPDM
"U3U3EGG" version	Tungsten carbide/Tungsten carbide	EPDM
"U3CEGG" version	Tungsten carbide/Special carbon	EPDM

DWO - DWC - Price list increase for special mechanical seals

Model	Materials	Elastomers
"H" version	Graphite/Ceramic	Fluoroelastomer (FPM)
"HS" version	SiC/SiC	Fluoroelastomer (FPM)
"HW" version	Tungsten carbide/Tungsten carbide	Fluoroelastomer (FPM)
"HSW" version	SiC/Tungsten carbide	Fluoroelastomer (FPM)
"Q1AVGG" version	SiC/Metallised carbon	Fluoroelastomer (FPM)
"Q1U3EGG" version	SiC/Tungsten carbide	EPDM
"VAEGG" version	Ceramic/Metallised carbon	EPDM
"U3BEGG" version	Tungsten carbide/Graphite	EPDM
"AQ1EGG" version	Metallised carbon/SiC	EPDM

MATRIX - Price list increase for special mechanical seals

Model	Materials	Elastomers
"H" version	Graphite/Ceramic	Fluoroelastomer (FPM)
"HS" version	SiC/SiC	Fluoroelastomer (FPM)
"Q1AEGG" version	SiC/Metallised carbon	EPDM
"U3Q1EGG" version	Tungsten carbide/SiC	EPDM

EVM - Price list increase for special mechanical seals

Model	Materials	Elastomers
"U3U3VGG" version	Tungsten carbide/Tungsten carbide	Fluoroelastomer (FPM)

Mechanical seals

3 SERIES - Price list increase for special mechanical seals

Model	Materials	Elastomers
"H" version	Graphite/Ceramic	Fluoroelastomer (FPM)
"HS" version	SiC/SiC	Fluoroelastomer (FPM)
"HW" version	Tungsten carbide/Tungsten carbide	Fluoroelastomer (FPM)
"HSW" version	SiC/Tungsten carbide	Fluoroelastomer (FPM)
"E" version	Graphite/Ceramic	EPDM

3L SERIES - Price list increase for special mechanical seals

Model	Materials	Elastomers
"H" version	Graphite/Ceramic	Fluoroelastomer (FPM)
"HW" version	Tungsten carbide/Tungsten carbide	Fluoroelastomer (FPM)
"HSW" version	SiC/Tungsten carbide	Fluoroelastomer (FPM)
"E" version	Graphite/Ceramic	EPDM
"ES" version	SiC/Graphite	EPDM

3(L) SERIES - Price list increase for special mechanical seals

Model	Materials	Elastomers
"U3U3EGG" version	Tungsten carbide/Tungsten carbide	EPDM
"U3CEGG" version	Tungsten carbide/Special carbon	EPDM
"Q1Q1EGG" version	SiC/SiC	EPDM
"Q1U3EGG" version	SiC/Tungsten carbide	EPDM
"Q1AEGG" version	SiC/Metallised carbon	EPDM

3D SERIES - MD - Price list increase for special mechanical seals

Model	Materials	Elastomers
"H" version	Graphite/Ceramic	Fluoroelastomer (FPM)
"HS" version	SiC/SiC	Fluoroelastomer (FPM)
"HW" version	Tungsten carbide/Tungsten carbide	Fluoroelastomer (FPM)
"HSW" version	SiC/Tungsten carbide	Fluoroelastomer (FPM)
"E" version	Graphite/Ceramic	EPDM

3D SERIES - Price list increase for special mechanical seals

Model	Materials	Elastomers
"U3U3EGG" version	Tungsten carbide/Tungsten carbide	EPDM
"U3CEGG" version	Tungsten carbide/Special carbon	EPDM
"Q1Q1EGG" version	SiC/SiC	EPDM
"Q1U3EGG" version	SiC/Tungsten carbide	EPDM
"Q1AEGG" version	SiC/Metallised carbon	EPDM

DW - DW VOX - Price list increase for special mechanical seals

Model	Materials	Elastomers
"U3U3VGG" Version	Tungsten carbide/Tungsten carbide	Fluoroelastomers (FPM)

Mechanical seals

Selection guide

Materials	ISO-DIN CODE	Designation
-----------	--------------	-------------

Rotating and static parts materials - items 1/2

Carbon graphite

Carbon metal impregnated	A	Metal carbon
Carbon resin impregnated	B	Carbon (graphite)
Special carbon	C	Sp. carbon

Carbides

Tungsten carbide, CrNiMo bonded	U3	TC (Widia)
Silicon carbides	Q1	SiC
Silicon carbides	Q12	SiC

Ceramic

Aluminum oxide	V	Ceramic
----------------	---	---------

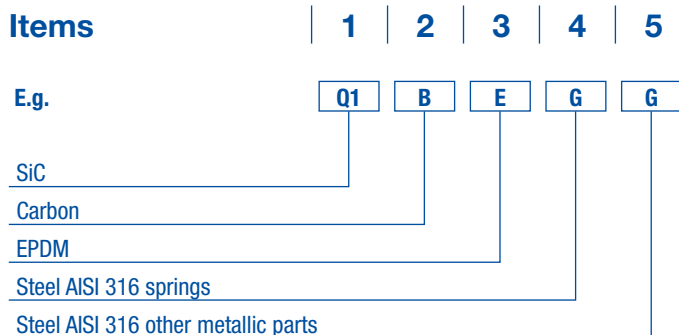
O-Ring materials - item 3

Nitrile rubber	P	NBR
Ethylene propylene rubber	E	EPDM
Fluoro rubber	V	FPM (Viton)
Universal PTFE	T	PTFE (Teflon)
Perfluorelastomer	K	FFKM (Kalrez)

Spring and other metallic parts materials - items 4/5

Chromium steel	E	1.4122
Chromium - nickel steel	F	AISI 304 / 1.4301
Chromium - nickel-molybdenum steel	G	AISI 316 / 1.4571
High nickel alloy	M	Superalloy / Hastelloy

Items



Pressure loss

Table

Pressure drop (Pc) in metres of column of water for every one hundred metres of new cast iron pipe. Speed of the liquid in the pipe in metres/second.

Flow rate [m³/h]	Internal diameter [mm]																										
	25	32	40	50	60	70	80	90	100	125	150	175	200	225	250	275	300	350	400	450	500	600	700	800	900	1000	
3	Pc % Vm/s	17 1,70	6 1,03	1,6 0,67	0,54 0,43	0,25 0,29	0,13 0,22	0,06 0,16	0,03 0,13	0,02 0,10																	
6	Pc % Vm/s		24 2,06	6 1,34	2 0,85	0,9 0,58	0,43 0,44	0,21 0,32	0,13 0,26	0,08 0,20	0,026 0,13																
9	Pc % Vm/s			12,5 2,08	4,3 1,32	1,8 0,89	0,9 0,65	0,46 0,5	0,25 0,39	0,15 0,32	0,06 0,20																
12	Pc % Vm/s			20 2,76	7 1,76	3,2 1,19	1,5 0,88	0,75 0,67	0,44 0,53	0,25 0,43	0,09 0,27	0,03 0,18															
15	Pc % Vm/s			12 2,2	5,2 1,49	2,4 1,1	1,25 0,87	0,7 0,66	0,42 0,54	0,15 0,34	0,06 0,24																
18	Pc % Vm/s			17 2,64	7 1,78	3,5 1,3	1,7 1	1 0,78	0,6 0,64	0,2 0,4	0,08 0,28																
21	Pc % Vm/s			22 3,35	8,8 2,08	4,2 1,54	2,2 1,17	1,3 0,93	0,75 0,75	0,26 0,48	0,1 0,32	0,05 0,24															
24	Pc % Vm/s				12 2,38	5,7 1,76	3 1,34	1,7 1,06	1 0,86	0,36 0,56	0,14 0,36	0,07 0,28															
27	Pc % Vm/s			14 2,7	7 1,97	3,5 1,45	2 1,17	1,25 0,96	0,6 0,6	0,42 0,42	0,17 0,31	0,08 0,31															
30	Pc % Vm/s			17 2,98	8,2 2,2	4,2 1,74	2,5 1,32	1,5 1,08	0,6 0,68	0,5 0,48	0,2 0,34																
36	Pc % Vm/s			25 3,58	12 2,63	6,3 2	3,5 1,58	2 1,28	0,75 0,82	0,3 0,42	0,14 0,32																
42	Pc % Vm/s					16 3,07	8,5 2,34	4,5 1,85	2,7 1,5	0,85 0,96	0,33 0,48	0,18 0,37	0,08 0,37														
48	Pc % Vm/s					21 3,51	10 2,68	6 2,12	3,6 1,72	1,2 1,08	0,45 0,72	0,22 0,56	0,12 0,43	0,06 0,34													
54	Pc % Vm/s					25 3,94	13,5 3	7,6 2,34	4,5 1,92	1,5 1,2	0,55 0,84	0,28 0,48	0,14 0,38	0,08 0,38													
60	Pc % Vm/s						16 3,32	9 2,64	5,5 2,16	1,8 1,36	0,7 0,96	0,33 0,68	0,17 0,53	0,1 0,42													
75	Pc % Vm/s					24 4,17	14 3,31	8 2,68	2,76 1,72	1 1,18	0,49 0,87	0,24 0,67	0,14 0,53	0,08 0,43													
90	Pc % Vm/s						20 3,97	12,5 3,24	3,8 2,04	1,45 1,44	0,74 1,02	0,36 0,8	0,2 0,63	0,14 0,51	0,08 0,42												
105	Pc % Vm/s						26 4,6	16,5 3,74	5,3 2,41	1,95 1,66	0,9 1,22	0,47 0,93	0,27 0,74	0,16 0,49	0,1 0,49												
120	Pc % Vm/s							21,5 4,31	6,9 2,72	2,6 1,93	1,2 1,06	0,36 0,84	0,2 0,68	0,14 0,56	0,08 0,47												
135	Pc % Vm/s							26 4,81	9 3,07	3,3 2,13	1,5 1,56	0,76 1,19	0,45 0,95	0,25 0,76	0,17 0,63	0,1 0,53											
150	Pc % Vm/s								11 3,44	4 2,36	1,9 1,74	0,95 1,34	0,55 1,05	0,3 0,86	0,21 0,70	0,12 0,59	0,06 0,43										
165	Pc % Vm/s								13 3,75	4,7 2,61	2,2 1,91	1,13 1,46	0,65 1,15	0,37 0,94	0,24 0,77	0,15 0,65	0,08 0,48										
180	Pc % Vm/s								15,2 4,09	5,5 2,83	2,6 1,59	1,3 1,26	0,76 1,02	0,43 0,89	0,29 0,71	0,18 0,52	0,09 0,52										
210	Pc % Vm/s								21 4,70	7,4 3,32	3,5 2,43	1,8 1,86	1,1 1,49	0,6 0,98	0,37 0,82	0,24 0,61	0,12 0,47	0,06 0,47									
240	Pc % Vm/s								9,4 3,78	4,3 2,77	2,3 2,12	1,3 1,68	0,75 1,36	0,48 1,12	0,3 0,95	0,15 0,69	0,08 0,53										
270	Pc % Vm/s								12 4,26	5,5 3,13	2,8 2,39	1,62 1,90	0,9 1,53	0,58 1,26	0,35 1,07	0,18 0,78	0,09 0,59										
300	Pc % Vm/s								14 4,75	7,5 3,47	3,4 2,66	2 2,10	1,1 1,71	0,74 1,40	0,46 1,18	0,22 0,86	0,11 0,67	0,07 0,53									
360	Pc % Vm/s								9 4,15	4,7 3,17	2,8 2,53	1,6 2,04	1 1,68	0,65 1,41	0,32 1,04	0,16 0,79	0,09 0,63	0,05 0,51									
420	Pc % Vm/s								11,6 4,86	6,2 3,72	3,5 2,94	2 2,37	1,3 1,96	0,82 1,64	0,41 1,22	0,21 0,94	0,12 0,76	0,07 0,59	0,03 0,41								
480	Pc % Vm/s									8,5 4,24	4,9 3,36	2,9 2,72	1,9 2,24	1,2 1,90	0,6 1,38	0,3 1,06	0,17 0,84	0,09 0,69	0,04 0,47								
540	Pc % Vm/s									11 4,78	6,5 3,80	3,7 3,06	2,35 2,52	1,52 2,13	0,75 1,56	0,38 1,19	0,22 0,94	0,12 0,76	0,05 0,53								
600	Pc % Vm/s									12,2 5,30	7,4 4,20	4,3 3,40	2,7 2,81	1,7 2,36	0,9 1,73	0,45 1,34	0,25 1,06	0,13 0,86	0,06 0,61	0,03 0,44	0,024 0,4						
660	Pc % Vm/s									9 4,61	5,2 3,76	3,3 3,07	2,1 2,59	1,1 1,89	0,54 1,46	0,3 1,15	0,16 0,93	0,06 0,65	0,04 0,48								
720	Pc % Vm/s									10 5,05	6 4,08	3,8 2,84	2,5 2,08	1,3 1,65	0,52 1,26	0,35 1,26	0,19 1,02	0,075 0,71	0,035 0,52								
780	Pc % Vm/s										7,3 4,43	4,5 3,65	3 3,08	1,5 2,26	0,75 1,73	0,42 1,36	0,23 1,11	0,08 0,77	0,04 0,56								
840	Pc % Vm/s										8 4,76	5,4 3,95	3,4 3,31	1,7 2,43	0,85 1,86	0,48 1,47	0,26 1,19	0,1 0,83	0,047 0,61								
900	Pc % Vm/s											9 5,1	5,8 4,22	3,75 3,54	1,9 2,60	0,96 2,00	0,53 1,57	0,29 1,27	0,11 0,88	0,053 0,65							
960	Pc % Vm/s												6,5 4,49	4,3 3,78	2,1 2,77	1,1 1,68	0,36 1,36	0,14 0,95	0,06 0,70								
1020	Pc % Vm/s												7,2 4,76	4,6 4,01	2,45 2,94	1,2 2,26	0,67 1,78	0,35 1,44	0,14 1,00	0,065 0,77	0,033 0,54						
1080	Pc % Vm/s													5,4 4,26	2,8 3,12	1,4 2,38	0,78 1,86	0,43 1,53	0,16 1,06	0,073 0,78	0,037 0,57						
1140	Pc % Vm/s													6 4,49	3,2 3,29	1,53 2,53	0,86 1,99	0,46 1,65	0,175 1,12	0,08 0,84	0,043 0,61	0,037 0,52					
1200	Pc % Vm/s														6,5 4,72	3,4 3,45	1,7 2,68	0,93 2,12	0,5 1,72	0,19 1,23	0,09 0,88	0,046 0,63	0,04 0,54	0,025 0,4			

It is possible to estimate the pressure drops caused by accessories with the following comparisons:

- Foot valve: like 15 m piping
- Non-return valve: like 10 m piping
- Gate: like 5 m piping
- Bends and elbows: like 5 m piping

For piping different to the new cast iron ones, multiply the table data for the following coefficients:

- stainless steel 0,8
- PVC 0,7
- gres 1,17
- rolled steel 0,8
- galvanized steel 0,8
- slightly rusty pipes 1,25
- rust pipes with a lot of deposits 2,1

Recommended discharge diameter

Recommended suction diameter

General Sales Conditions

1. Orders

Orders must be received by EBARA Pumps Europe S.p.A., specifying the exact quantity, code and type of product. Only written orders are accepted.

Minimum order value

Minimum order value has been set as 200,00 Euro. Any order with lower value will be charged as such.

Order revision

Any change in the order terms and conditions which will affect Sales, Production or Shipping process (last-minute change in shipping conditions, modification in quantity or model, packing rearrangement, etc.) will be charged 200,00 Euro.

Order cancellation

In case of order cancellation for reasons independent of EBARA Pumps Europe S.p.A., we will charge 25% of order value as re-stocking cost.

Price discrepancy

Any discrepancy on prices must be notified upon order confirmation. No price adjustment will be performed after invoice is issued.

Additional costs

The following additional costs will be charged on our invoice, when applicable:

- documents (invoice, packing list, contract, price list, etc.) attestation by the Chamber of Commerce: 10,00 Euro each copy;
- Certificate of Origin: 15,00 Euro each copy;
- specific test report: 200,00 Euro per pump (for surface pumps)/250,00 Euro per pump (for submersible pumps);
- non-standard product declaration/specification (quality plan, dimensional certification, mill sheet, CE conformity declaration, etc.): 10,00 Euro per document;
- non specific test reports: 30,00 Euro per pump;
- documents legalization by Consulate/Embassy: at cost;
- goods inspection: at cost;
- specific product certifications: at cost.

2. Prices and payments

- The prices indicated on the price list have to be considered: ex-works, packing included.
- For all non-EU countries, Incoterm is FCA Brendola customs cleared. EBARA Pumps Europe S.p.A. will perform customs clearance, and charge 60,00 Euro per shipment for such operation.
- Payment must be made in accordance with the sales conditions.
- In case of delay in payment or failure to pay, EBARA Pumps Europe S.p.A. will be entitled to hold the delivery of outstanding orders (or postpone the acceptance of new incoming orders), giving notice of this to the customer, and customer will not be entitled to any kind of compensation or claim.

3. Deliveries

- The order is intended completely delivered when it is made available to customer at EBARA Pumps Europe S.p.A. warehouse or handed over to the carrier shipper. From that moment on, EBARA Pumps Europe S.p.A. will not be liable for any damages for delay, loss, damage, destruction or deterioration of the goods, even in the case that the goods are delivered at EBARA Pumps Europe S.p.A. cost and the carrier has been selected by EBARA Pumps Europe S.p.A.
- The buyer will check the products upon delivery on quantity and defects, as well as overall status.
- Any damage discovered upon delivery must be reported to the carrier/forwarder in the delivery note. They will also be notified to EBARA Pumps Europe S.p.A. within eight days after goods receipt.

4. Warranty

Unless otherwise expressly authorized in writing, specifying a longer or shorter period, EBARA Pumps Europe S.p.A. grants for a period of twelve (12) months from production date that all products supplied are free from defects in materials and workmanship, and conform to the applicable specification.

a) The warranty is limited to repairing or replacement of defective pump parts made by EBARA Pumps Europe S.p.A.

b) To be eligible for the warranty, the customer must have no overdue payments.

c) The warranty is not applicable if:

- Disassembly or repair has been made by any party not authorized by EBARA Pumps Europe S.p.A.;
- The failure is determined by improper installation and/or electrical connection, improper use, or the pump has been working beyond the limit of use mentioned in the instructions manual;
- The pump has been working with corrosive liquids, sandy water, liquids that are chemically or physically aggressive without prior express authorization from EBARA Pumps Europe S.p.A.;
- Failure to work is due to galvanic current, alteration, unauthorized insufficient electrical protection;
- The failure is related to parts that are normally subject to wear, as mentioned on the instruction manual;
- The maintenance has been insufficient, or defect is the result of installation that does not comply with current regulations;

f) The damage is a result of an incorrect technical selection of the product made by the customer; In case of damage, a claim form will be filled-in by the customer and sent to EBARA Pumps Europe S.p.A., complete with as much information as available on the pump and its installation, and possibly some pictures.

5. Documentation

EBARA Pumps Europe S.p.A. has the right to make any changes on designs, brochures, construction, materials, equipment, or similar, without any previous notice.

6. Jurisdiction

For any dispute related to operation of warranty, sales contracts or payments, the Court of Trento will have the exclusive jurisdiction.

EBARA Pumps Network

Contact List

EUROPE

EBARA Pumps Europe S.p.A.
Via Torri di Confine 2/1 int. C
36053 Gambellara (Vicenza), Italy
Phone +39 0444 706811
Fax +39 0444 405811
www.ebaraeurope.com

Italian Sales (for order only):
e-mail: ordini@ebaraeurope.com

Export Sales (for order only):
e-mail: exportsales@ebaraeurope.com

Technical Customer Service (TCS):
e-mail: tcs@ebaraeurope.com
Phone +39 0444 706869/902/923/833

Marketing:
e-mail: marketing@ebaraeurope.com

EBARA Pumps Europe S.p.A. GERMANY
Elisabeth-Selbert-Straße 2
63110 Rodgau, Germany
Phone +49 (0) 6106-660 99-0
Fax +49 (0) 6106-660 99-45
e-mail: info@ebara.de

EBARA Pumps Europe S.p.A. UNITED KINGDOM
Unit A, Park 34
Collett Way - Didcot
Oxfordshire - OX11 7WB, United Kingdom
Phone +44 1895 439027 - Fax +44 1235 815770
e-mail: mktguk@ebaraeurope.com

EBARA Pumps Europe S.p.A. FRANCE
555, Rue Juliette Recamier
69970 Chaponnay, France
Phone +33 4 72769482
Fax +33 805101071
e-mail: mktgf@ebaraeurope.com

EBARA POMPY POLSKA Sp. z o.o.
ul. Działkowa 115 A
02-234 Warszawa, Poland
Phone +48 22 3909920
Fax +48 22 3909929
e-mail: mktgpl@ebaraeurope.com

EBARA Pumps RUS Ltd.
Prospekt Andropov 18, building 7, floor 11
115432 Moscow
Phone +7 499 6830133
e-mail: mktgrus@ebaraeurope.com

EBARA ESPAÑA BOMBAS S.A.
C/Cormoranes 6 Y 8
Poligono Ind. La Estación
28320 Pinto (Madrid), Spain
Phone +34 916.923.630
Fax +34 916.910.818
e-mail: marketing@ebara.es

MIDDLE EAST

EBARA Pumps Middle East FZE
P.O. BOX 61383
Jebel Ali, Dubai, UAE
Phone +971 4 8838889
Fax +971 4 8835307
e-mail: info@ebarame.ae

EBARA PUMPS SAUDI ARABIA LLC
St. 98, Dammam Second Industrial City, P.O.Box. 9210,
Dammam 34333, Kingdom of Saudi Arabia
Phone 966-138022014

ASIA & SOUTHEAST ASIA

EBARA Corporation
11-1, Haneda Asahi-cho, Ohta-ku,
Tokyo 144-8510, Japan
Phone +81 3 3743-6111
Fax +81 3 5736 3100
www.ebara.co.jp

EBARA Corporation Fujisawa plant
4-2-1, Hon-Fujisawa, Fujisawa-shi.
Kanagawa 251-8502, Japan
Phone +81-466-83-8111
Fax +81-466-81-2164

EBARA Machinery (CHINA) CO., Ltd.
Room No.303, Beijing Fortune Plaza, No.7 Dongsanhuan
Zhong Road, Chaoyang District
Beijing, 100020 P. R. China
Phone 86-10-65309996
Fax 86-10-6530-8968
e-mail: emc@ebare.cn
www.ebara.cn

Ebara Densan (Qingdao) Technology Co., Ltd.
No.88, Wangsha Road, Chengyang Qingdao,
Shandong Province, P.R.China
Phone 86-532-8965-3382
Fax 86-532-8965-3379
www.edq-ebara.com

Ebara-Densan Taiwan Manufacturing Co., Ltd.
No.7, Nan-Yuen 2nd Road, Chung Li City,
Tao Yuen Hsien, Taiwan
Phone 886-3-451-5881
Fax 886-3-452-7904
www.ebara.com.tw

EBARA Thailand Limited
3rd Floor Achme Build. 125 Phetchburi Road
Tungphayathai, Rajthevee, Bangkok 10400, Thailand
Phone 66-2-216-4935
Fax 66-2-216-4937
e-mail: info@ebara.co.th
www.ebara.co.th/index.php/en/

EBARA Fluid Machinery Korea Co., Ltd.
3rd Fl. Hyun-Seok Tower, 50,
Seolleung-Ro 93-Gil, Gangnam-Gu
Seoul, 135-513 Korea
Phone 82 70 43621100
Fax 82 70 82302030
e-mail: nishikura.ryutarou@efmk-ebara.com

EBARA Pumps Philippines, Inc.
Canlubang Industrial Estate,
Cabuyao 4025, Laguna, Philippines
Phone 0063-49-549-1806
Fax 0063-49-549-1915
e-mail: marketing@ebaraphilippines.com
www.ebaraphilippines.com.ph

P.T. EBARA Indonesia
Jl. Raya Jakarta - Bogor Km. 32
Desa Curug, Cimanggis-Depok
Jawa Barat, 16953 Indonesia
Phone (62-21) 874 0852-53
Fax (62-21) 874 0033
e-mail: marketing@ebaraindonesia.com
www.ebaraindonesia.com

EBARA Pumps Malaysia Sdn. Bhd
6, Jalan TP3, UEP Subang Jaya Industrial Park,
47620, Subang Jaya, Selangor, Malaysia.
Phone 603-8023 6622
Fax 603-8023 9355
e-mail: sales@ebara.com.my
www.ebara.com.my

EBARA Engineering Singapore Pte. Ltd.
No 1, Tuas Link 2, Singapore 638550
Phone 65-6862-3536
Fax 65-6861-0589
e-mail: stdpump@ebrnet.com.sg
www.ebara.com.sg

EBARA MACHINERY INDIA PRIVATE LIMITED
#133, 1st Floor, Velachery Main Road, Guindy,
Chennai 600 032, India
Phone 91-755-0089368

EBARA Vietnam Pump Company Limited
Lai Cach Industrial Zone, Lai Cach Town,
Cam Giang District,
Hai Duong Province, Vietnam
Tel 84-2203-850182
Fax 84-2203-850180
e-mail: info@evpc-vn.com
www.ebarapump.com.vn/en/

AMERICA

EBARA Fluid Handling
1651 Cedar Line Drive
Rock hill, SC 29730 U.S.A
Phone 803 327-5005
Fax 803 327-5097
e-mail: info@pumpsebara.com
www.pumpsebara.com

EBARA Industrias Mecanicas & Comercio Ltda. (Brazil)
Rua Joaquim Marques de Figueiredo, 2-31,
Distrito Industrial, CEP 17034-290, Bauru, SP, Brasil
Phone +55 14 4009-0000
Fax +55 14 4009-0044
e-mail: assistencia@ebara.com.br
www.ebara.com.br/ebara/pt/index.php

Thebe Bombas Hidraulicas S.A.
Avenida Manoel Gomes Casaca, 840 Parque Industrial,
Vargem Grande do Sul City, Sao Paulo State, CEP: 13.880-
970, Brazil
Phone 55-19-3641-9100
Fax 55-19-3641-9114
www.thebe.com.br

Ebara Bombas Colombia S.A.S.
Autopista Medellín km 7 Celta Trade Park Bodega
02 Lote 116 Funza. Republica de Colombia
Phone 57-1-826-9865

AFRICA

EBARA PUMPS SOUTH AFRICA (PTY) LTD
26 Kyalami Boulevard, Kyalami Business Park,
1684, Midrand, Gauteng
South Africa
Phone: +27 11 466 1844
Fax: +27 11 466 1933

OCEANIA

EBARA Pumps Australia Pty. Ltd.
7, Holloway Drive
Bayswater 3153 Victoria, Australia
Phone 0061-3-97613033
Fax 0061-3-97613044
e-mail: berrett@ebara.com.au
sales@ebara.com.au
www.ebara.com.au/index.html

DNV·GL

MANAGEMENT SYSTEM CERTIFICATE

Certificato no./Certificate No.:
164980-2014-AE-ITA-ACCREDIA

Data prima emissione/Initial date:
14 ottobre 2014

Validità:/Valid:
14 ottobre 2017 - 14 ottobre 2020

Si certifica che il sistema di gestione di/This is to certify that the management system of

EBARA PUMPS EUROPE S.p.A.

Sede Legale: Via Pacinotti,32 - 36040 Brendola (VI) - Italy

È conforme ai requisiti della norma per il Sistema di Gestione Ambientale/
Has been found to conform to the Environmental Management System standard:

UNI EN ISO 14001:2015 (ISO 14001:2015)

Valutato secondo le prescrizioni del Regolamento Tecnico RT-09/
Evaluated according to the requirements of Technical Regulations RT-09

Questa certificazione è valida
per il seguente campo applicativo:

**Progettazione e produzione di pompe
e sistemi di pompaggio attraverso le fasi
di stampaggio plastica, taglio lamiera e
coils, stampaggio lamiera, saldatura,
tornitura e fresatura, lavaggio,
passivazione, lucidatura, verniciatura,
assemblaggio e collaudo**

(Settore EA: 18 - 17 - 14)

This certificate is valid
for the following scope:

**Design, and manufacturing of pumps
and pumping systems by means of plastic
moulding, metal cutting and shearing, metal
stamping, welding, machining and milling,
cleaning, passivation, polishing, painting,
assembly and testing**

(EA Sector: 18 - 17 - 14)

Luogo e Data/Place and date:
Vimercate (MB), 12 ottobre 2017



SGQ N° 003 A ENKS N° 009 F
SGR N° 003 D PRES N° 003 H
SGR N° 002 F PRES N° 004 C
SGR N° 004 F SGQ N° 003 G

Membro di IIR EA per gli schemi di accreditamento:
SGQ, SGA, PRG, PRS, SSP, GML, LAB e LAC di IIR IAF
per gli schemi di accreditamento SGQ, SGA, SGI, PSM
e PRD e di IIR SLAC per gli schemi di accreditamento
LAB, PRS, LAC e SSP

Per l'Organismo di Certificazione/
For the Certification Body



Nicola Privato
Management Representative

La validità del presente Certificato è subordinata al rispetto delle condizioni contenute nel Contratto di Certificazione/
Lack of fulfilment of conditions as set out in the Certification Agreement may render this Certificate invalid.

DNV GL Business Assurance Italia S.r.l., Via Energy Park, 14 - 20871 Vimercate (MB) - Italy. TEL:039 68 99 905. www.dnvgl.it/assurance

MANAGEMENT SYSTEM CERTIFICATE

Certificato No./Certificate No.:
CERT-17819-2006-AQ-VEN-SINCERT

Data prima emissione/Initial date:
13 ottobre 2006

Validità/Valid:
10 ottobre 2015 - 10 ottobre 2018

Si certifica che il sistema di gestione di/This is to certify that the management system of

EBARA PUMPS EUROPE S.p.A.

Via Pacinotti, 32 - 36040 Brendola (VI) - Italy

È conforme ai requisiti della norma per il Sistema di Gestione Qualità/
has been found to conform to the Quality Management System standard:

UNI EN ISO 9001:2008 (ISO 9001:2008)

Questa certificazione è valida
per il seguente campo applicativo:

**Progettazione, produzione, vendita e
commercializzazione di pompe e sistemi di
pompiaggio**

(Settore EA: 18 - 17 - 14)

This certificate is valid
for the following scope:

**Design, manufacture, sales and trade of pumps
and pumping systems**

(EA Sector: 18 - 17 - 14)

Luogo e Data/Place and date:
Vimercate, 06 agosto 2015



SGQ N° 003 A EMAS N° 000 P
SGA N° 003 D PRQ N° 003 B
SGR N° 003 H PRS N° 004 C
SCR N° 004 F SGI N° 002 G

Membro di IMA EA per gli schemi di accreditamento
SGQ, SGA, PRQ, PRS, SGI, SGR, LAB e LAC; di IMA IAF
per gli schemi di accreditamento SGQ, SGA, SSI, FSM
e PRQ e di IMA ILAC per gli schemi di accreditamento
LAB, MED, LAT e TSP

Per l'Organismo di Certificazione/
For the Certification Body

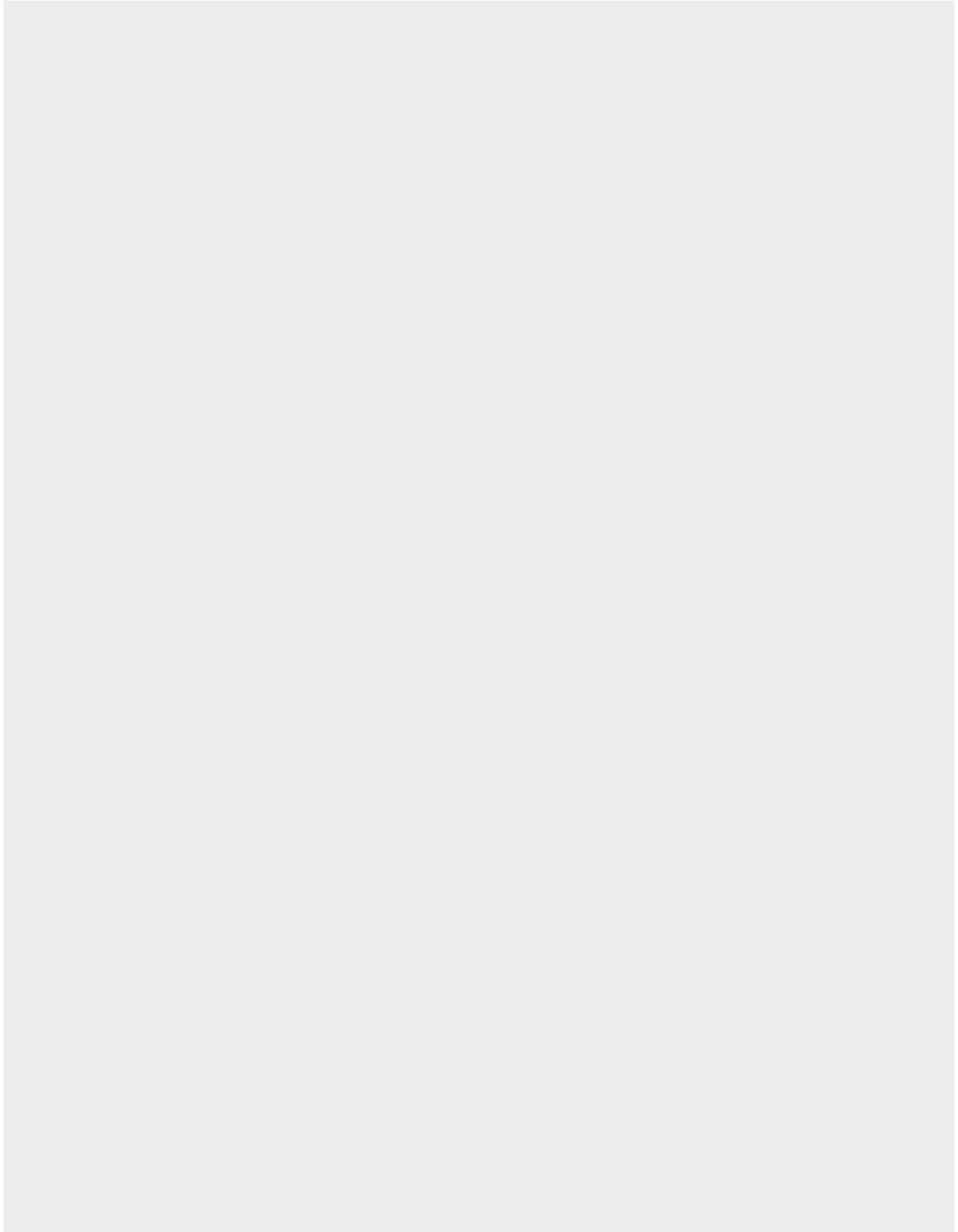


Vittore Marangon
Management Representative

La validità del presente Certificato è subordinata al rispetto delle condizioni contenute nel Contratto di Certificazione/
Lack of fulfilment of conditions as set out in the Certification Agreement may render this Certificate invalid.

DNV GL Business Assurance Italia S.r.l. Via Energy Park, 14, 20871 Vimercate (MB), Italy. Tel: 039 68 99 905. www.dnvgl.it/businessassurance

Notes



EZ-finder, an easy and instant research

EZ-finder, a device to find a model of pump? **Much more than this.**

EZ-Finder, the ideal instrument to help our customers to find, select and choose the right product for their requirements.

Thanks to his specific logic, it allow to looking for the favourite products by application, product name or working point. **Easy**, the right product in a click.

EZ-finder the **easy tool** for engineers, designer and installer.

Click on the link <https://ezfinder.ebara.com>





EVMS

Precision, Quality, Cutting-edge

The EVMS range of pumps proposed by EBARA, characterised by the distinctive design of the impeller, guarantees remarkable performances through advanced solutions that optimally adapt to the user's requirements. These results stem from an awareness to market demands and the company's extensive experience rooted in research, culture and technology, ever since 1912.



EBARA Pumps Europe S.p.A.

Via Torri di Confine 2/1 int. C
36053 Gambellara (Vicenza), Italy
Phone +39 0444 706811
Fax +39 0444 405811
ebara_pumps@ebaraeurope.com
www.ebaraeurope.com

EBARA Corporation

11-1, Haneda Asahi-cho, Ohta-ku,
Tokyo 144-8510
Japan
Phone +81 3 6275 7598
Fax +81 3 5736 3193
www.ebara.com

