

Looking ahead,  
going beyond expectations

*Ahead > Beyond*



## General Catalog



## 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

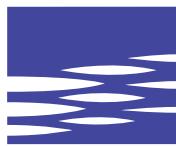
Is the world leader in design, development and manufacture of pumps and pumping systems.  
EBARA represents in Japan and in the world the great example of a Group able to anticipate and meet the market requirements. For over 100 years this large company has extended and improved its basis products, the 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.





**EBARA**



# Everything you need in just one click!



## 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 requirement  
<https://ezfinder.ebara.com>



## Service

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

**EBARA** Pumps

# 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

**Available with brass impeller**

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

**Compact dimensions**

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

**Silent**

A product that can offer high performance and reduced noise

**Provided with counterflanges**

Counterflanges are included

**Different connections available**

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

**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

**Horizontal operation allowed**

Borehole pumps can be installed in horizontal position

**Bronze version for sanitary water available**

Product available in bronze version for sanitary water application

**Practical and easy to use**

A product easy to install and set-up

**Sturdy construction**

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

**Stainless steel AISI 316 version available**

A product available in stainless steel AISI 316

**Nickel-plated version available**

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

**Easy maintenance**

A product designed with advanced technical solution for easy maintenance

**High efficiency**

EBARA technology ensure high hydraulic efficiency

**High performances**

Product with high and reliable performances

**Different impellers available**

This product can be provide with different impeller materials for different applications

**Flexibility**

Product suitable for different installations

## Surface pumps



<b>Self priming</b>		<b>8</b>	
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<b>For swimming pool</b>	NOT AVAILABLE IN SA		
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## Single stage centrifugal pumps according EN 733



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AVAILABLE ON REQUEST

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# Surface pumps

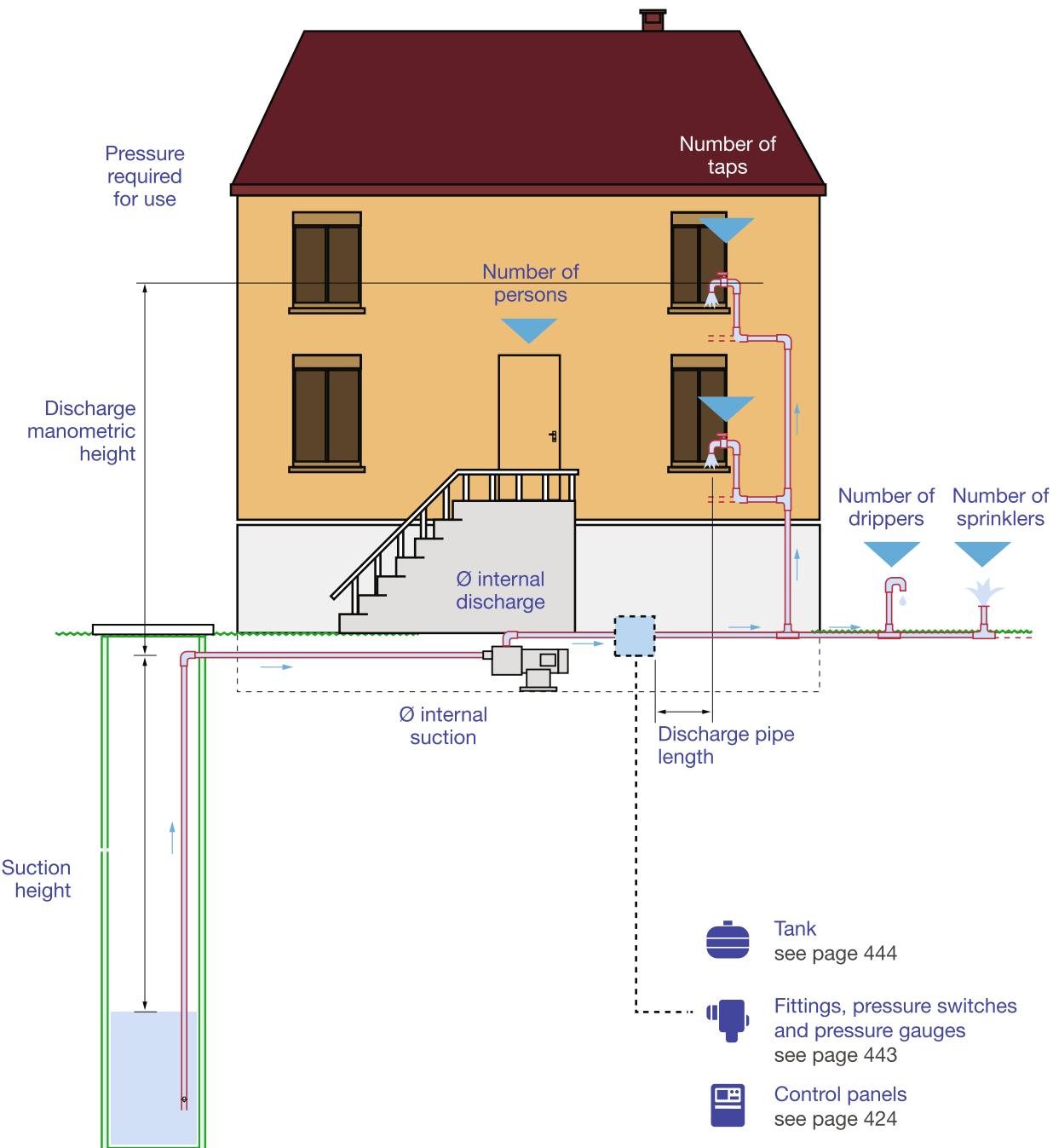
## Introduction to the use of surface pumps

### Self priming pump

Complete with Venturi system (JE - JES, JEX - JESX, 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.



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	Open impeller centrifugal pumps in cast iron	
	<b>SWS - SWT</b>	45
	Self priming pumps for swimming pool	
	NOT AVAILABLE IN SA	



# JES - JE

## Self priming "JET" pumps in AISI 304 stainless steel

Self priming "JET" pumps in AISI 304 (EN 1.4301) 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

### Technical data

**Max. working pressure** 6 bar

**Max. temperature of the liquid (clear water)** 45°C

**Max. suction depth** 8 m

**Poles** 2

**Insulation class** F

**Protection degree** IP44 (IP55 on request)

**Voltage** Single phase 1~230V ±10%  
Three phase 3~230/400V ±10%

Permanent split capacitor built in overload motor protector with automatic reset. The three phase version does not have an internal motor protector, therefore overload protection must be provided by the user.

### Materials

<b>Pump body</b>	AISI 304 (EN 1.4301) stainless steel
<b>Impeller</b>	AISI 304 (EN 1.4301) stainless steel for JE PPO reinforced with fibreglass for JES
<b>Shaft</b>	AISI 303 (EN 1.4305) stainless steel (part in contact with the liquid)
<b>Mechanical seal</b>	Ceramic/Carbon/NBR (standard)
<b>Motor support</b>	AISI 304 (EN 1.4301) stainless steel

### Accessories



**Tanks**  
Page 444 - 8/10 bar 5/10 litres tanks



**Floats**  
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**Pressure switches**  
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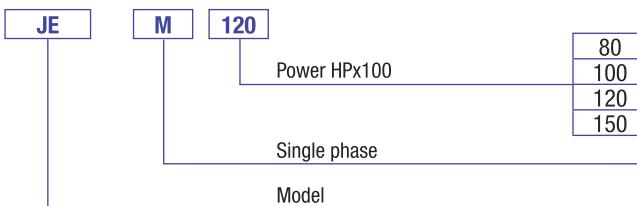
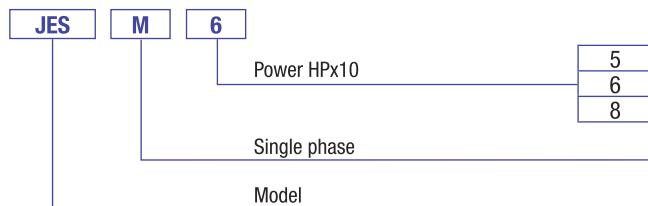
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# JES - JE

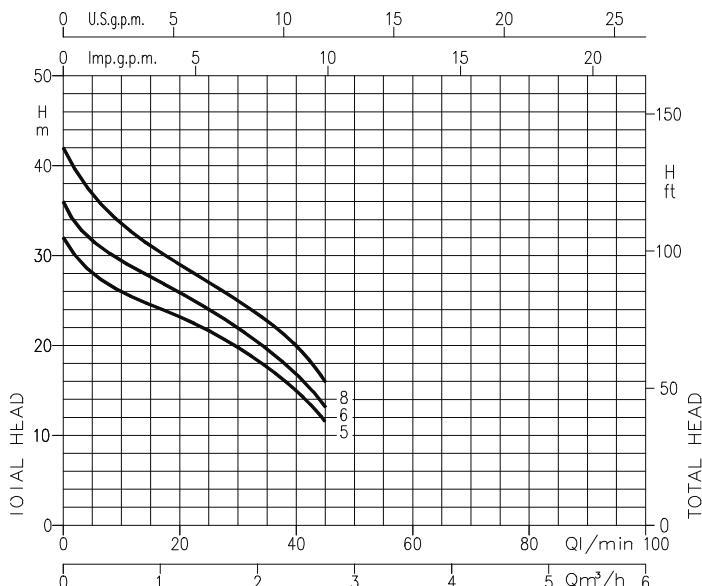
Self priming "JET" pumps in AISI 304 stainless steel



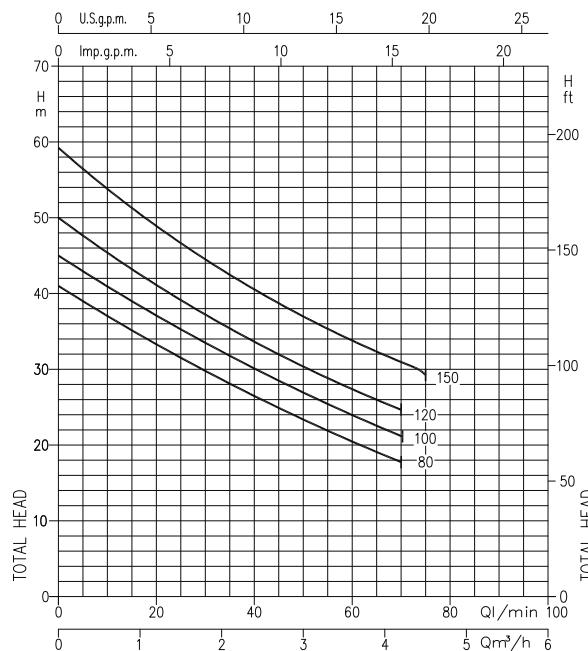
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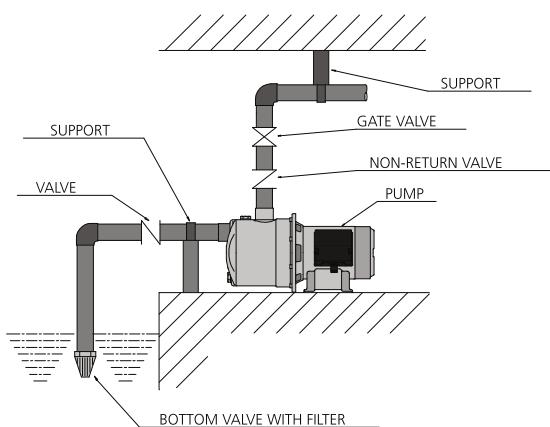
## JES



## 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]					
				I/min	0	5	20	40	45	50	60	70									
m³/h																					
H=Total head [m]																					
JESM 5*	1700050000	0,5	0,37		32,0	28,0	23,0	15,0	11,5	-	-	-	-	2,1	G1	G1	5,6				
JESM 6*	1700060000	0,6	0,44		36,0	31,5	26,0	17,0	13,5	-	-	-	-	2,4	G1	G1	5,8				
JESM 8*	1700080000	0,8	0,6		42,0	37,0	29,0	20,0	16,0	-	-	-	-	3	G1	G1	6,0				
JEM 80	1650040000	0,8	0,6		41,0	-	33,0	26,5	24,7	23,5	20,5	18,0	-	4,7	G1½	G1	10,5				
JEM 100	1650050000	1	0,75		45,0	-	37,0	30,0	28,4	27,0	24,0	21,0	-	6,4	G1½	G1	12,0				
JEM 120	1650060000	1,2	0,88		50,0	-	41,0	34,0	32,2	30,5	27,5	24,5	-	6,7	G1½	G1	12,5				
JEM/A 150	1650070000A	1,5	1,1		59,0	-	49,0	40,5	38,8	37,0	34,0	31,0	29,5	7,6	G1½	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] 230V	DNA	DNM	Weight [kg]					
				I/min	0	5	20	40	45	50	60	70									
m³/h																					
H=Total head [m]																					
JES 5*	1700050004	0,5	0,37		32,0	28,0	23,0	15,0	11,5	-	-	-	-	1,5	0,85	G1	G1	5,6			
JES 6*	1700060004	0,6	0,44		36,0	31,5	26,0	17,0	13,5	-	-	-	-	1,9	1,1	G1	G1	5,8			
JES 8*	1700080004	0,8	0,6		42,0	37,0	29,0	20,0	16,0	-	-	-	-	2,25	1,3	G1	G1	6,0			
JE 80	1650040004	0,8	0,6		41,0	-	33,0	26,5	24,7	23,5	20,5	18,0	-	3,3	1,9	G1½	G1	10,5			
JE/I 100	1650050004I	1	0,75		45,0	-	37,0	30,0	28,4	27,0	24,0	21,0	-	3,6	2,1	G1½	G1	12,0			
JE/I 120	1650060004I	1,2	0,88		50,0	-	41,0	34,0	32,2	30,5	27,5	24,5	-	3,6	2,1	G1½	G1	12,5			
JE/I 150	1650070004I	1,5	1,10		59,0	-	49,0	40,5	38,8	37,0	34,0	31,0	29,5	5,8	3,3	G1½	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 (EN 1.4301) 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 (EN 1.4301) stainless steel
Impeller	AISI 304 (EN 1.4301) stainless steel for JEX PPE+PS reinforced with fibreglass for JESX
Shaft	AISI 303 (EN 1.4305) 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 (clear water)	45°C
Max. suction depth	8 m
Poles	2
Insulation class	F

Protection degree IP54 (IP55 on request)

Voltage	Single phase 1~230V ±10% Three phase 3~230/400V ±10%
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Permanent split capacitor built in overload motor protector with automatic reset. The three phase version does not have an internal motor protector, therefore overload protection must be provided by the user.

## Accessories

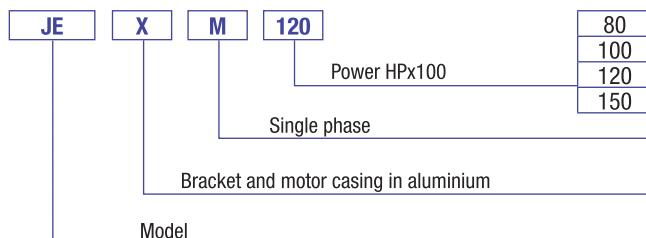
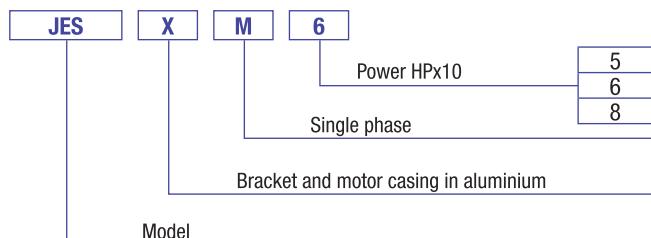
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# JESX - JEX

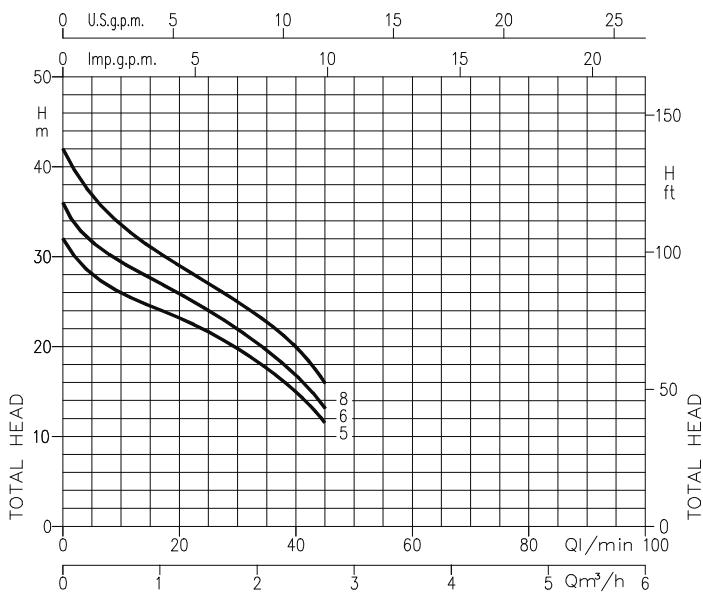
Self priming "JET" pumps in AISI 304 stainless steel



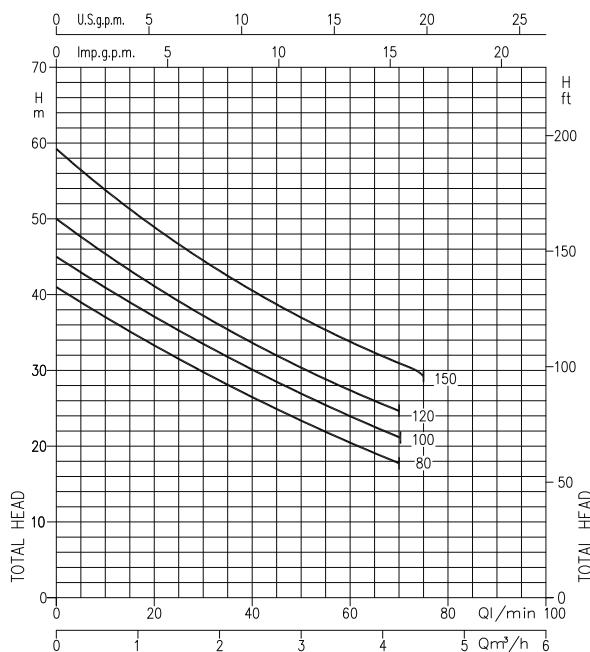
## Identification code



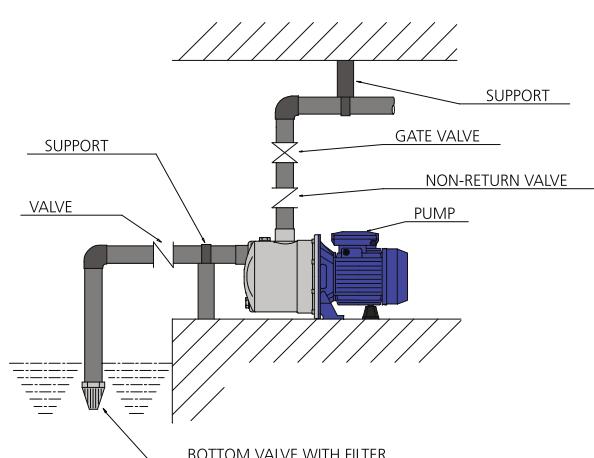
## JESX



## JEX



## 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]
				I/min	0	5	20	40	50	60	70	75				
				m³/h	0	0,3	1,2	2,4	3	3,6	4,2	4,5				
H=Total head [m]																
JESXM 5*	1690050000	0,5	0,37		32,0	28,0	23,0	15,0	-	-	-	-	2,1	G1	G1	5,1
JESXM 6*	1690060000	0,6	0,44		36,0	31,5	26,0	17,0	-	-	-	-	2,4	G1	G1	5,5
JESXM 8*	1690080000	0,8	0,6		42,0	37,0	29,0	20,0	-	-	-	-	3	G1	G1	6,1
JEXM/A 80	1665040000	0,8	0,6		41,0	-	33,0	26,5	23,5	20,5	18,0	-	4,7	G1½	G1	10,2
JEXM/A 100	1665050000	1	0,75		45,0	-	37,0	30,0	27,0	24,0	21,0	-	6,4	G1½	G1	11,6
JEXM/A 120	1665060000	1,2	0,88		50,0	-	41,0	34,0	30,5	27,5	24,5	-	6,7	G1½	G1	11,6
JEXM/B 150	1665070000B	1,5	1,1		59,0	-	49,0	40,5	37,0	34,0	31,0	29,5	7,6	G1½	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] 230V 400V	DNA	DNM	Weight [kg]	
				I/min	0	5	20	40	50	60	70	75					
				m³/h	0	0,3	1,2	2,4	3	3,6	4,2	4,5					
H=Total head [m]																	
JESX 5*	1690050004	0,5	0,37		32,0	28,0	23,0	15,0	-	-	-	-	1,5	0,85	G1	G1	5,1
JESX 6*	1690060004	0,6	0,44		36,0	31,5	26,0	17,0	-	-	-	-	1,9	1,1	G1	G1	5,5
JESX 8*	1690080004	0,8	0,6		42,0	37,0	29,0	20,0	-	-	-	-	2,25	1,3	G1	G1	6,1
JEX 80	1665040004	0,8	0,6		41,0	-	33,0	26,5	23,5	20,5	18,0	-	3,3	1,9	G1½	G1	10,2
JEX/I 100	1665050004I	1	0,75		45,0	-	37,0	30,0	27,0	24,0	21,0	-	3,6	2,1	G1½	G1	11,6
JEX/I 120	1665060004I	1,2	0,88		50,0	-	41,0	34,0	30,5	27,5	24,5	-	3,6	2,1	G1½	G1	11,6
JEX/I 150	1665070004I	1,5	1,1		59,0	-	49,0	40,5	37,0	34,0	31,0	29,5	5,8	3,3	G1½	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

### Technical data

<b>Max. working pressure</b>	6 bar for AGA 0.60-0.75-1.00 10 bar for the rest of the range
<b>Max. temperature of the liquid (clear water)</b>	45°C
<b>Max. suction depth</b>	8 m
<b>Poles</b>	2
<b>Insulation class</b>	F
<b>Protection degree</b>	IP44

<b>Voltage</b>	Single phase 1~230V ±10% Three phase 3~230/400V ±10%
----------------	---

Permanent split capacitor built in overload motor protector with automatic reset. The three phase version does not have an internal motor protector, therefore overload protection must be provided by the user.

### Materials

<b>Pump body</b>	Cast iron
<b>Impeller</b>	PPE+PS reinforced with fibreglass for AGA 0.60-0.75-1.00, brass for the rest of the range
<b>Shaft</b>	AISI 303 (EN 1.4305) stainless steel (part in contact with the liquid)
<b>Mechanical seal</b>	Ceramic/Carbon/NBR (standard)
<b>Motor support</b>	Aluminium for AGA 0.60-0.75-1.00, Cast iron for the rest of the range

### Accessories

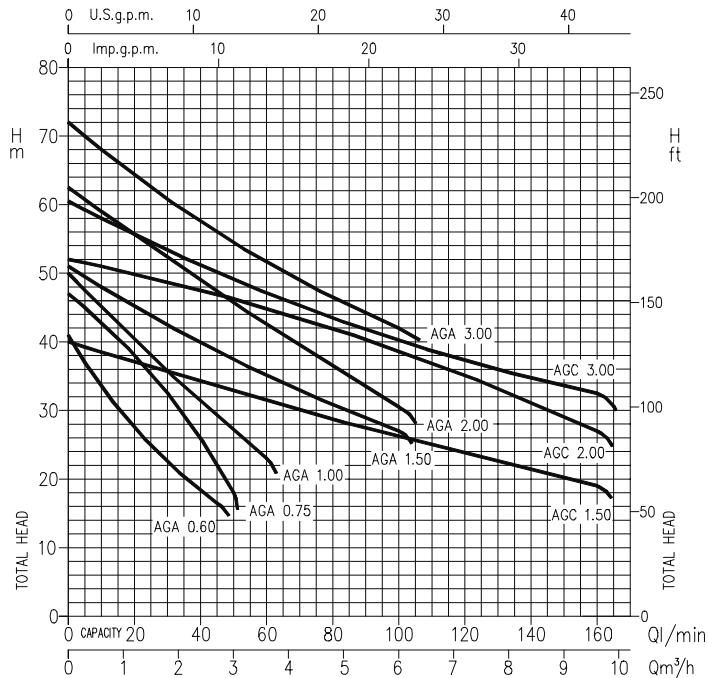
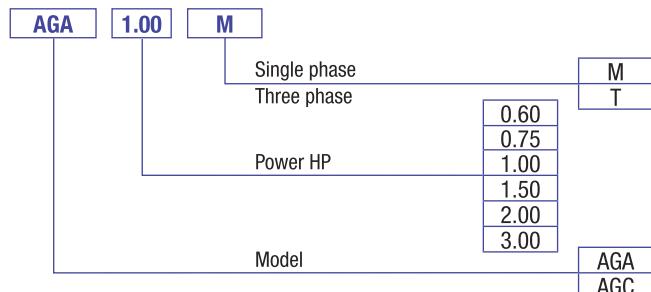
	<b>Tanks</b> Page 444 - 8/10 bar 5/10 litres tanks
	<b>Floats</b> Page 443 - Key floats with counterweight
	<b>Pressure switches</b> Page 443 - 1,3÷12 bar pressure switches
	<b>Control systems</b> Page 431 - <b>Presscomfort</b> Pressure regulator Page 432 - <b>Servopress</b> Pressure regulator Page 430 - <b>E-power</b> Variable speed control systems Page 426 - <b>E-SPD</b> Variable speed control systems Page 424 - <b>Control panels</b> SMART EVO 1-2

# AGA - AGC

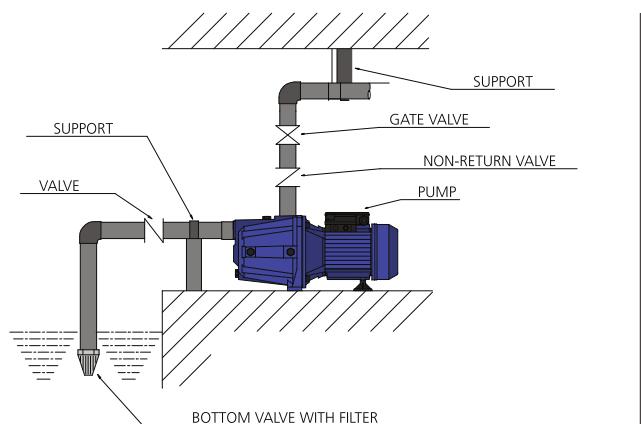
Self priming "JET" pumps in cast iron



## Identification code



## 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



CE

Single phase 230V												2 Poles							
Model	Code	HP	kW	Q=Flow rate										Abs. Curr. [A] 230V	DNA	DNM	Weight [kg]		
				I/min	0	5	10	30	45	50	60	80	100						
				m³/h	0	0,3	0,6	1,8	2,7	3	3,6	4,8	6	7,8	9,6				
AGA/A 0.60 M	1100060000A	0,6	0,44		41,5	37	33,4	22	16,5	-	-	-	-	-	3,1	G1	G1	12,0	
AGA/A 0.60 M GO	1100060100A	0,6	0,44		41,5	37	33,4	22	16,5	-	-	-	-	-	3,1	G1	G1	12,0	
AGA 0.75 M	1100090000	0,75	0,55		47	45	42,8	32	21,9	18	-	-	-	-	4	G1	G1	12,5	
AGA 0.75 M GO	1100090100	0,75	0,55		47	45	42,8	32	21,9	18	-	-	-	-	4	G1	G1	12,5	
AGA 1.00 M	1100100000	1	0,75		50	47,5	45	35,7	29,1	27	23	-	-	-	5,5	G1	G1	13,8	
AGA 1.00 M GO	1100100100	1	0,75		50	47,5	45	35,7	29,1	27	23	-	-	-	5,5	G1	G1	13,8	
AGA/B 1.50 M	1110150000B	1,5	1,1		51	-	48	42,4	38,6	37,4	35,1	30,8	27	-	8,1	G1½	G1	25,5	
AGA/A 2.00 M	1110200000A	2	1,5		62,5	-	59	52,2	47,3	45,7	42,5	36,4	30,5	-	-	9,8	G1½	G1	26,6
AGC/B 1.50 M	1120150000B	1,5	1,1		40	-	38,5	35,6	33,5	32,7	31,4	28,7	26,1	22,4	19	8,6	G1½	G1	25,5
AGC/A 2.00 M	1120200000A	2	1,5		52	-	51	48,8	46,9	46,3	44,9	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] 230V 400V	DNA	DNM	Weight [kg]			
				I/min	0	5	10	30	45	50	60	80	100							
				m³/h	0	0,3	0,6	1,8	2,7	3	3,6	4,8	6	7,8	9,6					
AGA/A 0.60 T	1100060004A	0,6	0,44		41,5	37	33,4	22	16,5	-	-	-	-	-	2,1	1,2	G1	G1	12,0	
AGA 0.75 T	1100090004	0,75	0,55		47	45	42,8	32	21,9	18	-	-	-	-	2,8	1,6	G1	G1	12,3	
AGA/I 1.00 T	110010004I	1	0,75		50	47,5	45	35,7	29,1	27	23	-	-	-	3,0	1,7	G1	G1	14,8	
AGA/I 1.00 T GO	1100100104I	1	0,75		50	47,5	45	35,7	29,1	27	23	-	-	-	3,0	1,7	G1	G1	14,8	
AGA/I 1.50 T	1110150004I	1,5	1,1		51	-	48	42,4	38,6	37,4	35,1	30,8	27	-	5,8	3,3	G1½	G1	26,5	
AGA/I 2.00 T	1110200004I	2	1,5		62,5	-	59	52,2	47,3	45,7	42,5	36,4	30,5	-	-	6,2	3,6	G1½	G1	28,6
AGA/I 3.00 T	1110300004I	3	2,2		72	-	68	60,8	55,9	54,4	51,6	46,4	42	-	-	8,2	4,7	G1½	G1	29,9
AGC/I 1.50 T	1120150004I	1,5	1,1		40	-	38,5	35,6	33,5	32,7	31,4	28,7	26,1	22,4	19	5,8	3,3	G1½	G1	28,3
AGC/I 2.00 T	1120200004I	2	1,5		52	-	51	48,8	46,9	46,3	44,9	42	38,7	33,2	27	7,6	4,4	G1½	G1	29,5
AGC/I 3.00 T	1120300004I	3	2,2		60,5	-	58	53,3	50,1	49,1	47,1	43,4	40,2	35,9	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 444 - 8/10 bar 5/10 litres tanks



### Floats

Page 443 - Key floats with counterweight



### Pressure switches

Page 443 - 1,3÷12 bar pressure switches



### Control systems

Page 431 - **Presscomfort**  
Pressure regulator

Page 432 - **Servopress**  
Pressure regulator

Page 430 - **E-power**  
Variable speed control systems

Page 426 - **E-SPD**  
Variable speed control systems

Page 424 - **Control panels**  
SMART EVO 1-2



### Insulation casing

Page 446 - Insulation casing for CDX(L)/2CDX(L)

## Technical data

Max. working pressure	8 bar
Max. temperature of the liquid (clear water)	-5°C ÷ +60°C for CDX(L) 70/05-70/07-90/10 std and E versions -5°C ÷ +90°C for the rest of std range -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 1~230V ±10% Three phase 3~230/400V ±10%

Permanent split capacitor built in overload motor protector with automatic reset. The three phase version does not have an internal motor protector, therefore overload protection must be provided by the user.

\* ATTENTION Approximate temperature range referred to the limits of mechanical seal materials. For applications with special fluid, different from standard limits indicated in the specific series, please contact our Technical Customer Service.

## Materials

Pump body	AISI 304 (EN 1.4301) stainless steel (CDX) AISI 316 (EN 1.4401) stainless steel (CDXL)
Impeller	AISI 304 (EN 1.4301) stainless steel (CDX) AISI 316 (EN 1.4401) stainless steel (CDXL)
Shaft	AISI 303 (EN 1.4305) stainless steel (CDX) AISI 316 (EN 1.4401) stainless steel (CDXL)
Mechanical seal	Standard = Ceramic/Carbon/NBR H = Graphite/Ceramic/FPM HS = Silicon carbide/Silicon carbide/FPM HW = Tungsten carbide/Tungsten carbide/FPM HSW = Silicon carbide/Tungsten carbide/FPM E = Graphite/Ceramic/EPDM
Motor support	Aluminium

## Options



### Mechanical seal

Page 457 - See all the available mechanical seal versions

# CDX(L)

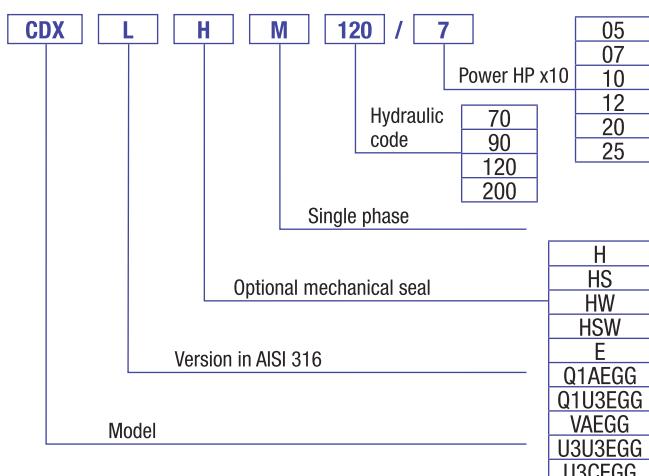
Single impeller centrifugal pumps with hydraulic made in AISI 304 and AISI 316 stainless steel



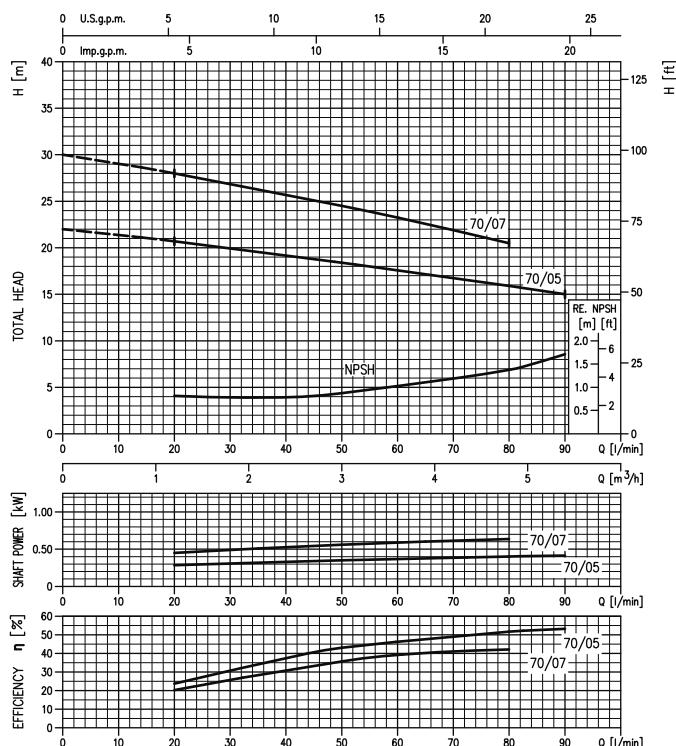
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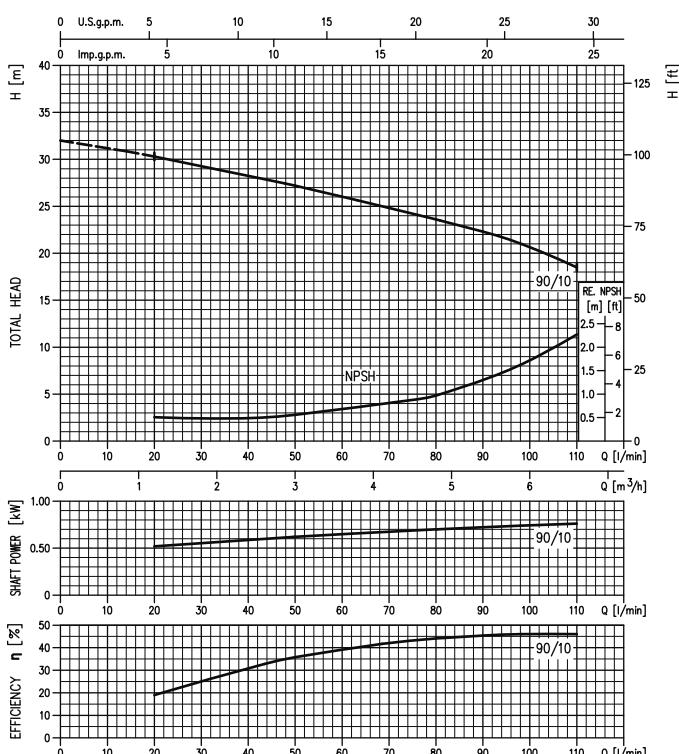
## Identification code



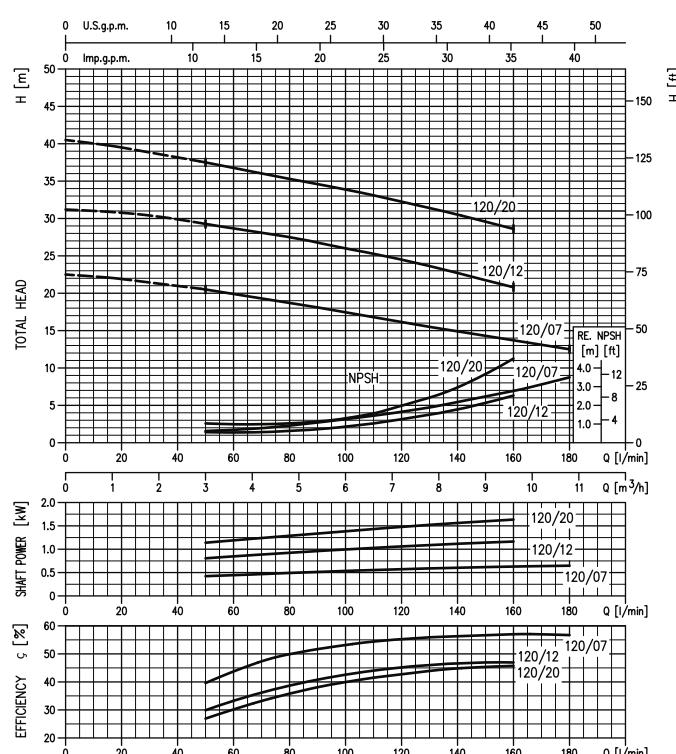
## CDX 70



## CDX 90



## CDX 120

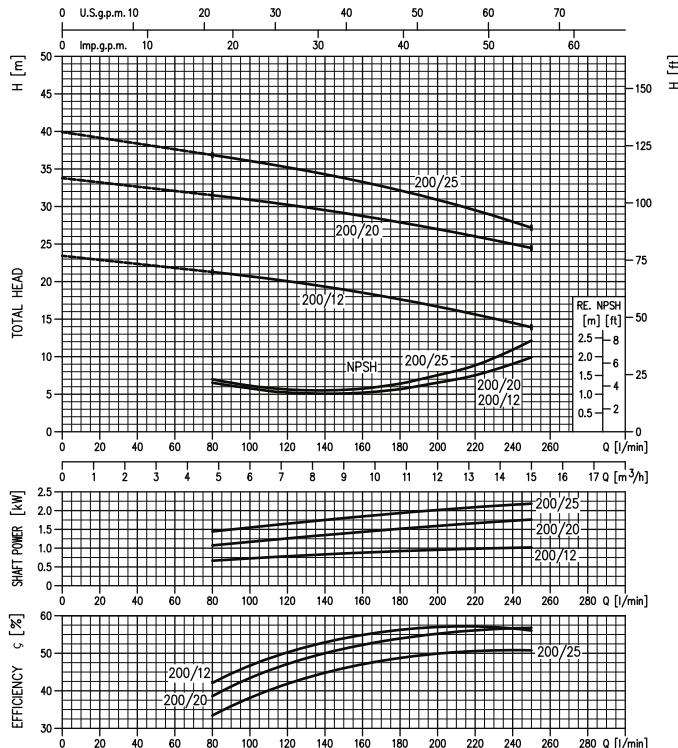


# CDX(L)

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



## CDX 200

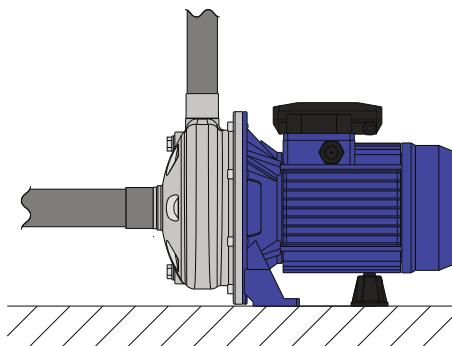


## Insulation casing



Thermal insulation is available as accessory.  
Ready to be used for chiller application, please see page 446

## 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.

# CDX(L)

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



Model	Code	HP	kW	Q=Flow rate											2 Poles			
				I/min	0	20	50	80	90	110	130	160	180	250	Abs. Curr.	DNA	DNM	Weight [kg]
				m³/h	0	1,2	3	4,8	5,4	6,6	7,8	9,6	10,8	15	[A] 230V			
				H=Total head [m]														
CDXM/A 70/05	1615050000	0,5	0,37		22,0	20,7	18,4	15,9	15,0	-	-	-	-	-	3,4	G1½	G1	8,3
CDXM/A 70/07	1615090000	0,75	0,55		30,0	28,0	24,5	20,5	-	-	-	-	-	-	5,0	G1½	G1	9,8
CDXM/A 90/10	1615100500	1	0,75		32,0	30,3	27,2	23,6	22,3	19,5	-	-	-	-	5,6	G1½	G1	11,0
CDXM/A 120/07	1625090000	0,75	0,55		22,5	-	20,5	18,7	18,1	16,8	15,5	13,7	12,5	-	4,6	G1½	G1	9,6
CDXM/G 120/12	1625100000G	1,2	0,9		31,2	-	29,3	27,5	26,8	25,2	23,6	21,0	-	-	6,9	G1½	G1	11,8
CDXM/B 120/20	1625200000B	2	1,5		40,5	-	37,5	35,3	34,6	33,1	31,4	28,6	-	-	9,3	G1½	G1	16,5
CDXM/G 200/12	1635100000G	1,2	0,9		22,8	-	-	21,3	21,0	20,4	19,7	18,5	17,6	14,0	6,3	G1½	G1	11,4
CDXM/G 200/20	1635200000G	2	1,5		33,0	-	-	31,5	31,2	30,6	30,0	28,7	27,9	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.

Model	Code	HP	kW	Q=Flow rate											2 Poles				
				I/min	0	20	50	80	90	110	130	160	180	250	Abs. Curr.	DNA	DNM	Weight [kg]	
				m³/h	0	1,2	3	4,8	5,4	6,6	7,8	9,6	10,8	15	[A] 230V 400V				
				H=Total head [m]															
CDX/A 70/05	1615050004	0,5	0,37		22,0	20,7	18,4	15,9	15,0	-	-	-	-	-	2,4	1,4	G1½	G1	8,3
CDX/A 70/07	1615090004	0,75	0,55		30,0	28,0	24,5	20,5	-	-	-	-	-	-	3,5	2,0	G1½	G1	9,7
CDX/I 90/10	1615100504I	1	0,75		32,0	30,3	27,2	23,6	22,3	19,5	-	-	-	-	3,3	1,9	G1½	G1	11,0
CDX/A 120/07	1625090004	0,75	0,55		22,5	-	20,5	18,7	18,1	16,8	15,5	13,7	12,5	-	3,2	1,85	G1½	G1	9,5
CDX/I 120/12	1625100004I	1,2	0,9		31,2	-	29,3	27,5	26,8	25,2	23,6	21,0	-	-	4,3	2,5	G1½	G1	12,4
CDX/I 120/20	1625200004I	2	1,5		40,5	-	37,5	35,3	34,6	33,1	31,4	28,6	-	-	7,1	4,1	G1½	G1	18,1
CDX/I 200/12	1635100004I	1,2	0,9		22,8	-	-	21,3	21,0	20,4	19,7	18,5	17,6	14,0	4,3	2,5	G1½	G1	12,2
CDX/I 200/20	1635200004I	2	1,5		33,0	-	-	31,5	31,2	30,6	30,0	28,7	27,9	24,5	7,1	4,1	G1½	G1	17,0
CDX/I 200/25	1635250004I	2,5	1,85		39,4	-	-	36,8	26,5	35,6	34,7	33,3	32,0	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.

Model	Code	HP	kW	Q=Flow rate											2 Poles				
				I/min	0	20	50	80	90	110	130	160	180	250	Abs. Curr.	DNA	DNM	Weight [kg]	
				m³/h	0	1,2	3	4,8	5,4	6,6	7,8	9,6	10,8	15	[A] 230V 400V				
				H=Total head [m]															
CDXL/A 70/05	1615058004	0,5	0,37		22,0	20,7	18,4	15,9	15,0	-	-	-	-	-	2,4	1,4	G1½	G1	8,3
CDXL/A 70/07	1615098004	0,75	0,55		30,0	28,0	24,5	20,5	-	-	-	-	-	-	3,5	2	G1½	G1	9,7
CDXL/I 90/10	1615108004I	1	0,75		32,0	30,3	27,2	23,6	22,3	19,5	-	-	-	-	3,3	1,9	G1½	G1	11,0
CDXL/A 120/07	1625098004	0,75	0,55		22,5	-	20,5	18,7	18,1	16,8	15,5	13,7	12,5	-	3,2	1,85	G1½	G1	9,5
CDXL/I 120/12	1625108004I	1,2	0,9		31,2	-	29,3	27,5	26,8	25,2	23,6	21,0	-	-	4,3	2,5	G1½	G1	12,4
CDXL/I 120/20	1625208004I	2	1,5		40,5	-	37,5	35,3	34,6	33,1	31,4	28,6	-	-	7,1	4,1	G1½	G1	18,1
CDXL/I 200/12	1635108004I	1,2	0,9		22,8	-	-	21,3	21,0	20,4	19,7	18,5	17,6	14,0	4,3	2,5	G1½	G1	12,2
CDXL/I 200/20	1635208004I	2	1,5		33,0	-	-	31,5	31,2	30,6	30,0	28,7	27,9	24,5	7,1	4,1	G1½	G1	17,0
CDXL/I 200/25	1635258004I	2,5	1,85		39,4	-	-	36,8	26,5	35,6	34,7	33,3	32,0	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 (EN 1.4301) 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.



### Accessories



#### Tanks

Page 444 - 8/10 bar 5/10 litres tanks



#### Floats

Page 443 - Key floats with counterweight



#### Pressure switches

Page 443 - 1,3÷12 bar pressure switches



#### Control systems

Page 431 - **Presscomfort**  
Pressure regulator

Page 432 - **Servopress**  
Pressure regulator

Page 430 - **E-power**  
Variable speed control systems

Page 426 - **E-SPD**  
Variable speed control systems

Page 424 - **Control panels**  
SMART EVO 1-2

### Options



#### Mechanical seal

Page 457 - See all the available mechanical seal versions

### Technical data

Max. working pressure	8 bar
Max. temperature of the liquid (clear water)	-5°C ÷ +60°C for CD 70/05-70/07-90/10 std and E versions -5°C ÷ +90°C for the rest of std range -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 1~230V ±10% Three phase 3~230/400V ±10%

Permanent split capacitor built in overload motor protector with automatic reset. The three phase version does not have an internal motor protector, therefore overload protection must be provided by the user.

\* ATTENTION: Approximate temperature range referred to the limits of mechanical seal materials. For applications with special fluid, different from standard limits indicated in the specific series, please contact our Technical Customer Service.

### Materials

Pump body	AISI 304 (EN 1.4301) stainless steel
Impeller	AISI 304 (EN 1.4301) stainless steel
Shaft	AISI 303 (EN 1.4305) stainless steel  Standard = Ceramic/Carbon/NBR H = Graphite/Ceramic/FPM
Mechanical seal	HS = Silicon carbide/Silicon carbide/FPM HW = Tungsten carbide/Tungsten carbide/FPM HSW = Silicon carbide/Tungsten carbide/FPM E = Graphite/Ceramic/EPDM
Motor support	AISI 304 (EN 1.4301) stainless steel



### Completely in AISI 304

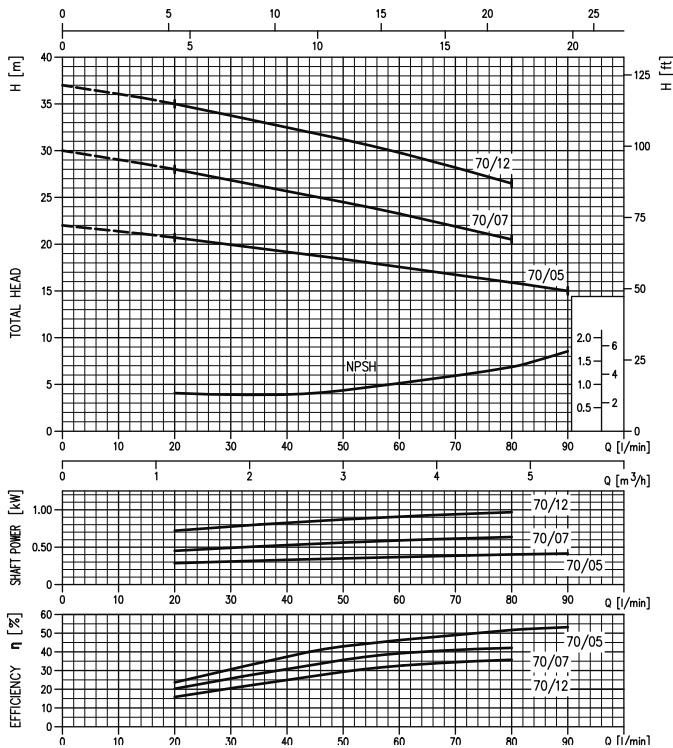
2 poles encased self-ventilated internally cooled asynchronous motor

# CD

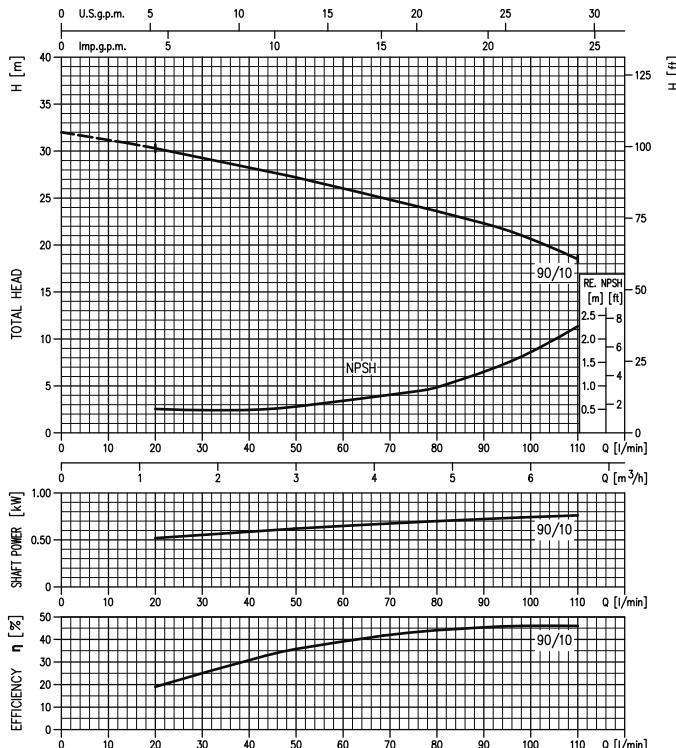
Single impeller centrifugal pumps completely made in AISI 304 stainless steel



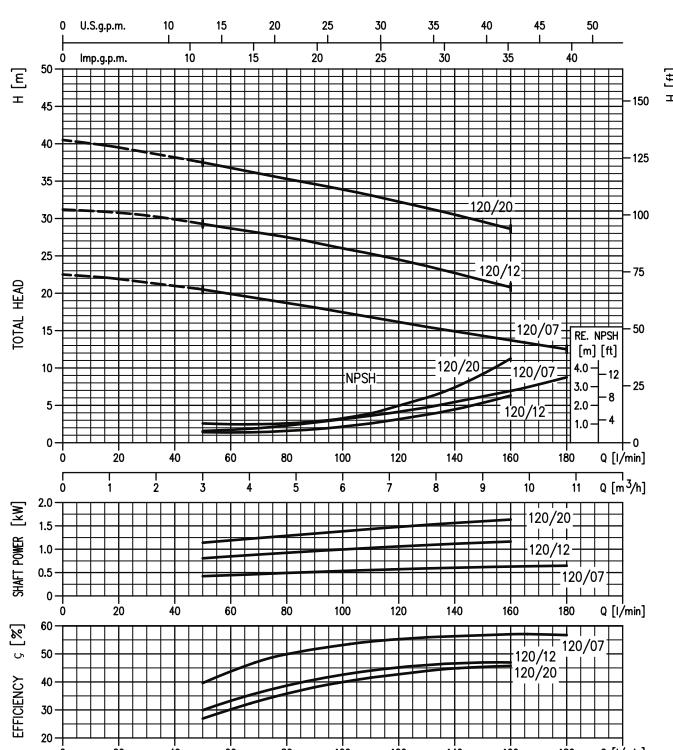
## CD 70



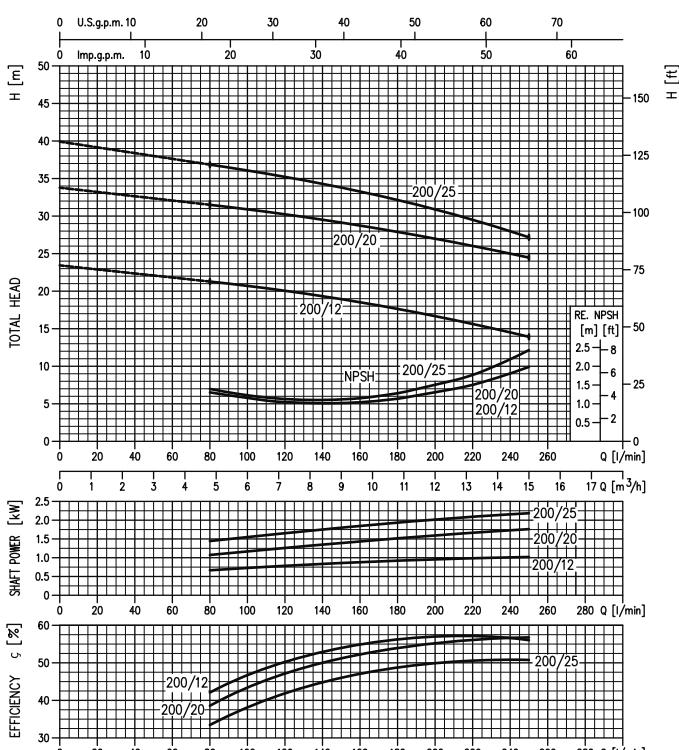
## CD 90



## CD 120



## CD 200



# CD

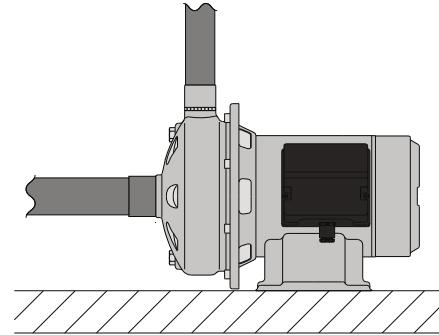
**Single impeller centrifugal pumps completely made in AISI 304 stainless steel**



## Identification code

CD	H	M	120	/ 07	05
				Power HPx10	07
					10
					12
					20
					25
			Hydraulic code	70	
				90	
				120	
				200	
			Single phase		
					Optional mechanical seal
Model					H HS HW HSW E Q1AEGG Q1U3EGG VAEGG U3U3EGG U3CEGG

## Installation



CD centrifugal pumps, thanks to their reduced dimensions, result easy to install also in 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.

## Single phase 230V

## 2 Poles

Model	Code	HP	kW	Q=Flow rate										Abs. Curr. [A] 230V	DNA	DNM	Weight [kg]	
				I/min	0	20	50	80	90	110	130	160	180	250				
				m³/h	0	1,2	3	4,8	5,4	6,6	7,8	9,6	10,8	15				
															H=Total head [m]			
CDM 70/05	1970050000	0,5	0,37		22,0	20,7	18,4	15,9	15,0	-	-	-	-	-	3,4	G1½	G1	8,7
CDM 70/07	1970090000	0,75	0,55		30,0	28,0	24,5	20,5	-	-	-	-	-	-	5	G1½	G1	10,0
CDM 70/12	1970100000	1,2	0,9		37,0	35,0	31,2	26,5	-	-	-	-	-	-	6,5	G1½	G1	13,2
CDM 90/10	1970100500	1	0,75		32,0	30,3	27,2	23,6	22,3	19,5	-	-	-	-	5,6	G1½	G1	11,5
CDM 120/07	1980090000	0,75	0,55		22,5	-	20,5	18,7	18,1	16,8	15,5	13,7	12,5	-	4,6	G1½	G1	10,0
CDM/G 120/12	1980100000G	1,2	0,9		31,2	-	29,3	27,5	26,8	25,2	23,6	21,0	-	-	6,9	G1½	G1	12,3
CDM 120/20	1980200000	2	1,5		40,5	-	37,5	35,3	34,6	33,1	31,4	28,6	-	-	9,3	G1½	G1	15,3
CDM/G 200/12	1990100000G	1,2	0,9		22,8	-	-	21,3	21,0	20,4	19,7	18,5	17,6	14,0	6,3	G1½	G1	12,0
CDM/G 200/20	1990200000G	2	1,5		33,0	-	-	31,5	31,2	30,6	30,0	28,7	27,9	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] 230V 400V	DNA	DNM	Weight [kg]		
				I/min	0	20	50	80	90	110	130	160	180	250					
				m³/h	0	1,2	3	4,8	5,4	6,6	7,8	9,6	10,8	15					
															H=Total head [m]				
CD 70/05	1970050004	0,5	0,37		22,0	20,7	18,4	15,9	15,0	-	-	-	-	-	2,4	1,4	G1½	G1	8,7
CD 70/07	1970090004	0,75	0,55		30,0	28,0	24,5	20,5	-	-	-	-	-	-	3,5	2	G1½	G1	10,0
CD/I 70/12	1970100004I	1,2	0,9		37,0	35,0	31,2	26,5	-	-	-	-	-	-	4,3	2,5	G1½	G1	13,7
CD/I 90/10	1970100504I	1	0,75		32,0	30,3	27,2	23,6	22,3	19,5	-	-	-	-	3,3	1,9	G1½	G1	11,6
CD 120/07	1980090004	0,75	0,55		22,5	-	20,5	18,7	18,1	16,8	15,5	13,7	12,5	-	3,2	1,85	G1½	G1	10,5
CD/I 120/12	1980100004I	1,2	0,9		31,2	-	29,3	27,5	26,8	25,2	23,6	21,0	-	-	4,3	2,5	G1½	G1	12,9
CD/I 120/20	1980200004I	2	1,5		40,5	-	37,5	35,3	34,6	33,1	31,4	28,6	-	-	7,1	4,1	G1½	G1	18,3
CD/I 200/12	1990100004I	1,2	0,9		22,8	-	-	21,3	21,0	20,4	19,7	18,5	17,6	14,0	4,3	2,5	G1½	G1	12,6
CD/I 200/20	1990200004I	2	1,5		33,0	-	-	31,5	31,2	30,6	30,0	28,7	27,9	24,5	7,1	4,1	G1½	G1	17,5
CD/I 200/25	1990250004I	2,5	1,85		39,4	-	-	36,8	26,5	35,6	34,7	33,3	32,0	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 (EN 1.4301) stainless steel (2CDX) or AISI 316 (EN 1.4401) stainless steel (2CDXL)
Impeller	AISI 304 (EN 1.4301) stainless steel (2CDX) or AISI 316 (EN 1.4401) stainless steel (2CDXL)
Shaft	AISI 304 (EN 1.4301) stainless steel (2CDX) or AISI 316 (EN 1.4401) stainless steel (2CDXL)
Mechanical seal	Standard = Ceramic/Carbon/NBR H = Graphite/Ceramic/FPM HS = Silicon carbide/Silicon carbide/FPM HW = Tungsten carbide/Tungsten carbide/FPM HSW = Silicon carbide/Tungsten carbide/FPM E = Graphite/Ceramic/EPDM
Motor support	Aluminium (up to 1,5 kW included), cast iron (2,2 kW and above)

## Options



### Mechanical seal

Page 457 - See all the available mechanical seal versions

## Technical data

Max. working pressure	8 bar
Max. temperature of the liquid (clear water)	-5°C ÷ +60°C for 2CDX(L), E version -5°C ÷ +110°C for H, HS, HW, HSW versions
Poles	2
Insulation class	F
Protection degree	IP55
Voltage	Single phase 1~230V ±10% Three phase 3~230/400V ±10%

Permanent split capacitor built in overload motor protector with automatic reset. The three phase version does not have an internal motor protector, therefore overload protection must be provided by the user.

\* ATTENTION: Approximate temperature range referred to the limits of mechanical seal materials. For applications with special fluid, different from standard limits indicated in the specific series, please contact our Technical Customer Service.

## Accessories



### Tanks

Page 444 - 8/10 bar 5/10 litres tanks



### Floats

Page 443 - Key floats with counterweight



### Pressure switches

Page 443 - 1,3÷12 bar pressure switches



### Control systems

Page 431 - Presscomfort

Pressure regulator

Page 432 - Servopress

Pressure regulator

Page 430 - E-power

Variable speed control systems

Page 426 - E-SPD

Variable speed control systems

Page 424 - Control panels

SMART EVO 1-2



### Insulation casing

Page 446 - Insulation casing for CDX(L)/2CDX(L)

# 2CDX(L)

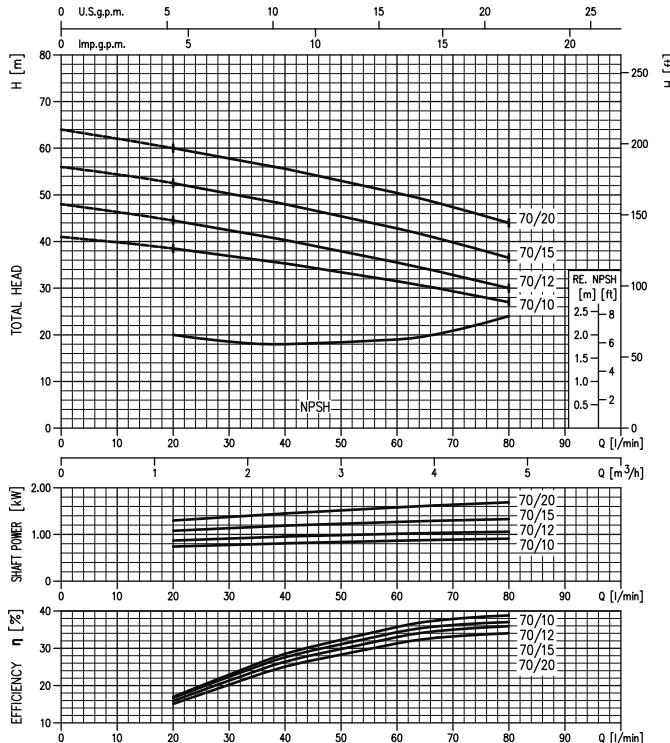
Twin impeller centrifugal pumps with hydraulic made in AISI 304 and AISI 316 stainless steel



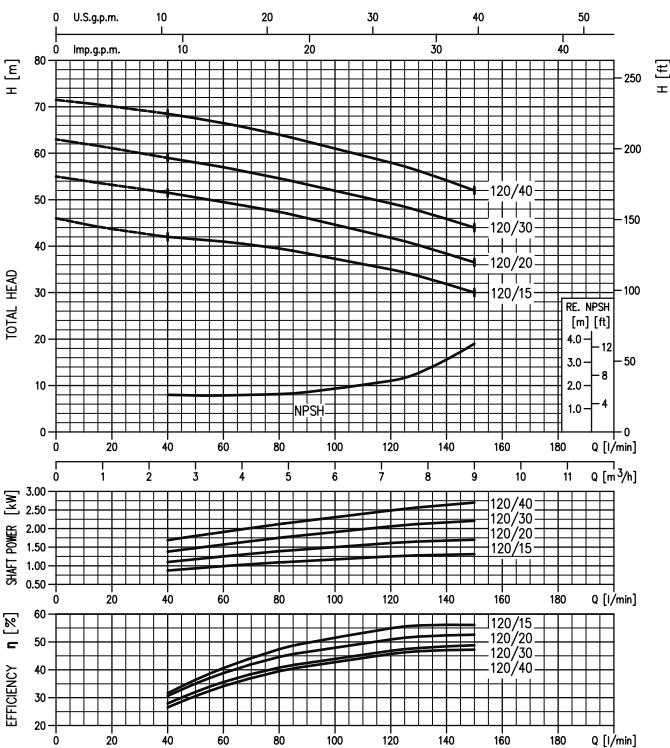
## Identification code

2CDX	L	H	M	120	/	15		10
							Power HPx100	12
								15
								20
								30
								40
								50
						Hydraulic code		
						70		
						120		
						200		
							Single phase	
							H	
							HS	
							HW	
							HSW	
							E	
							Q1AEGG	
							Q1U3EGG	
							VAEgg	
							U3U3EGG	
							U3CEGG	
							Version in AISI 316	
							Model	

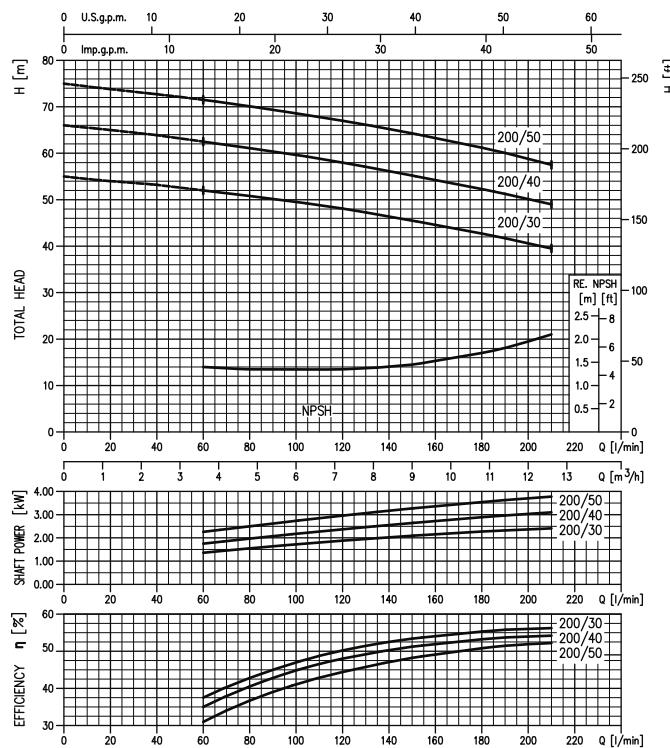
## 2CDX 70



## 2CDX 120



## 2CDX 200

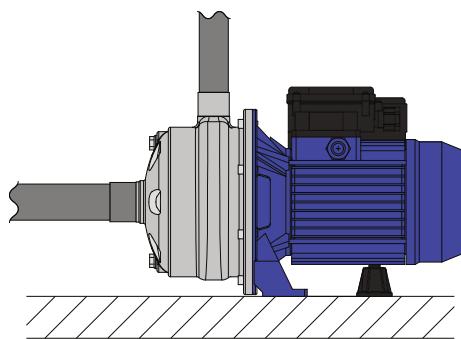


# 2CDX(L)

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 446

# 2CDX(L)

Twin 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]
				I/min	0	20	40	60	80	120	150				
				m³/h	0	1,2	2,4	3,6	4,8	7,2	9				
H=Total head [m]															
2CDXM/A 70/10	1611100000	1	0,75		41,0	38,5	35,3	31,5	27,0	-	-	6	G1½	G1	12,7
2CDXM/A 70/12	1611120000	1,2	0,9		48,0	44,5	40,3	35,5	30,0	-	-	7	G1½	G1	13,3
2CDXM/C 70/15	1611150000C	1,5	1,1		56,0	52,5	48,0	42,8	36,5	-	-	8,1	G1½	G1	17,5
2CDXM/B 70/20	1611200000B	2	1,5		64,0	60,0	55,6	50,4	44,0	-	-	10	G1½	G1	18,5
2CDXM/C 120/15	1621150000C	1,5	1,1		46,0	-	42,0	41,0	39,5	35,0	30,0	8,3	G1½	G1	16,3
2CDXM/B 120/20	1621200000B	2	1,5		55,0	-	51,5	49,5	47,4	41,8	36,5	10,2	G1½	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] 230V 400V	DNA	DNM	Weight [kg]	
				I/min	0	20	40	60	80	120	150	180	210					
				m³/h	0	1,2	2,4	3,6	4,8	7,2	9	10,8	12,6					
H=Total head [m]																		
2CDXI 70/10	1611100004I	1	0,75		41,0	38,5	35,3	31,5	27,0	-	-	-	-	3,4	2	G1½	G1	12,6
2CDXI 70/12	1611120004I	1,2	0,9		48,0	44,5	40,3	35,5	30,0	-	-	-	-	4,3	2,5	G1½	G1	13,7
2CDXI 70/15	1611150004I	1,5	1,1		56,0	52,5	48,0	42,8	36,5	-	-	-	-	5,8	3,3	G1½	G1	17,0
2CDXI 70/20	1611200004I	2	1,5		64,0	60,0	55,6	50,4	44,0	-	-	-	-	7,8	4,5	G1½	G1	20,1
2CDXI 120/15	1621150004I	1,5	1,1		46,0	-	42,0	41,0	39,5	35,0	30,0	-	-	5,8	3,3	G1½	G1	15,6
2CDXI 120/20	1621200004I	2	1,5		55,0	-	51,5	49,5	47,4	41,8	36,5	-	-	7,8	4,5	G1½	G1	18,3
2CDXI 120/30	1989300004I	3	2,2		63,0	-	59,0	57,0	54,6	49,2	44,0	-	-	8,2	4,7	G1½	G1	26,1
2CDXI 120/40	1989400004I	4	3		71,5	-	68,5	66,5	64,0	58,0	52,0	-	-	11,1	6,4	G1½	G1	27,8
2CDXI 200/30	1999300004I	3	2,2		55,0	-	-	52,0	50,8	48,1	45,5	42,7	39,5	11,1	6,4	G1½	G1	26,6
2CDXI 200/40	1999400004I	4	3		66,0	-	-	62,5	61,1	58,0	55,2	52,3	49,0	11,2	6,5	G1½	G1	27,6
2CDXI 200/50	1999500004I	5	3,7		75,0	-	-	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] 230V 400V	DNA	DNM	Weight [kg]	
				I/min	0	20	40	60	80	120	150	180	210					
				m³/h	0	1,2	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		41,0	38,5	35,3	31,5	27,0	-	-	-	-	3,4	2	G1½	G1	12,6
2CDXL/I 70/12	1611128004I	1,2	0,9		48,0	44,5	40,3	35,5	30,0	-	-	-	-	4,3	2,5	G1½	G1	13,7
2CDXL/I 70/15	1611158004I	1,5	1,1		56,0	52,5	48,0	42,8	36,5	-	-	-	-	5,8	3,3	G1½	G1	17,0
2CDXL/I 70/20	1611208004I	2	1,5		64,0	60,0	55,6	50,4	44,0	-	-	-	-	7,8	4,5	G1½	G1	20,1
2CDXL/I 120/15	1621158004I	1,5	1,1		46,0	-	42,0	41,0	39,5	35,0	30,0	-	-	5,8	3,3	G1½	G1	15,6
2CDXL/I 120/20	1621208004I	2	1,5		55,0	-	51,5	49,5	47,4	41,8	36,5	-	-	7,8	4,5	G1½	G1	18,3
2CDXL/I 120/30	1989308004I	3	2,2		63,0	-	59,0	57,0	54,6	49,2	44,0	-	-	8,2	4,7	G1½	G1	26,1
2CDXL/I 120/40	1989408004I	4	3		71,5	-	68,5	66,5	64,0	58,0	52,0	-	-	11,1	6,4	G1½	G1	27,8
2CDXL/I 200/30	1999308004I	3	2,2		55,0	-	-	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		66,0	-	-	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		75,0	-	-	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 (EN 1.4301) 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

## Accessories



### Control panels

Page 424 - **Control panels**  
SMART EVO 1-2



### Insulation casing

Page 446 - **Insulation casing for DWC**

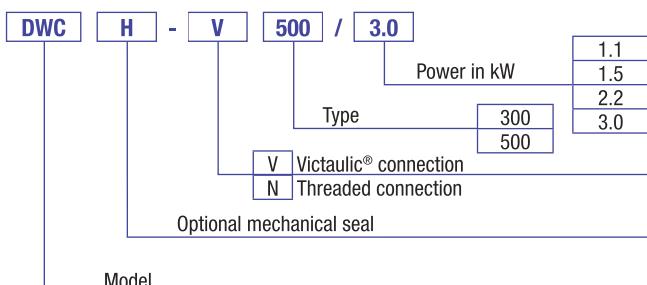
## Options



### Mechanical seal

Page 457 - **See all the available mechanical seal versions**

## Identification code



## Technical data

<b>Max. working pressure</b>	8 bar
<b>Max. temperature of the liquid (clear water)</b>	-15°C ÷ +90°C for std version -15°C ÷ +110°C for H, HS, HW, HSW versions
<b>Poles</b>	2
<b>Insulation class</b>	F
<b>Protection degree</b>	IP55
<b>Voltage</b>	Three phase 3~230/400V ±10%

The three phase version does not have an internal motor protector, therefore overload protection must be provided by the user.

\* **ATTENTION:** Approximate temperature range referred to the limits of mechanical seal materials. For applications with special fluid, different from standard limits indicated in the specific series, please contact our Technical Customer Service.

## Materials

<b>Pump body</b>	AISI 304 (EN 1.4301) stainless steel
<b>Impeller</b>	AISI 304 (EN 1.4301) stainless steel
<b>Shaft</b>	AISI 304 (EN 1.4301) stainless steel (part in contact with the liquid)
<b>Mechanical seal</b>	Standard = Ceramic/Carbon/EPDM H = Graphite/Ceramic/FPM HS = Silicon carbide/Silicon carbide/FPM HW = Tungsten carbide/Tungsten carbide/FPM HSW = Silicon carbide/Tungsten carbide/FPM
<b>Motor support</b>	Aluminium

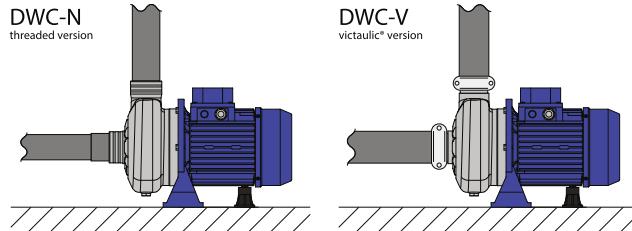
H
HS
HW
HSW
Q1AVGG
AQ1EGG
VAEGG
Q1U3EGG
U3BEGG

# DWC

Closed impeller centrifugal pumps in AISI 304 stainless steel

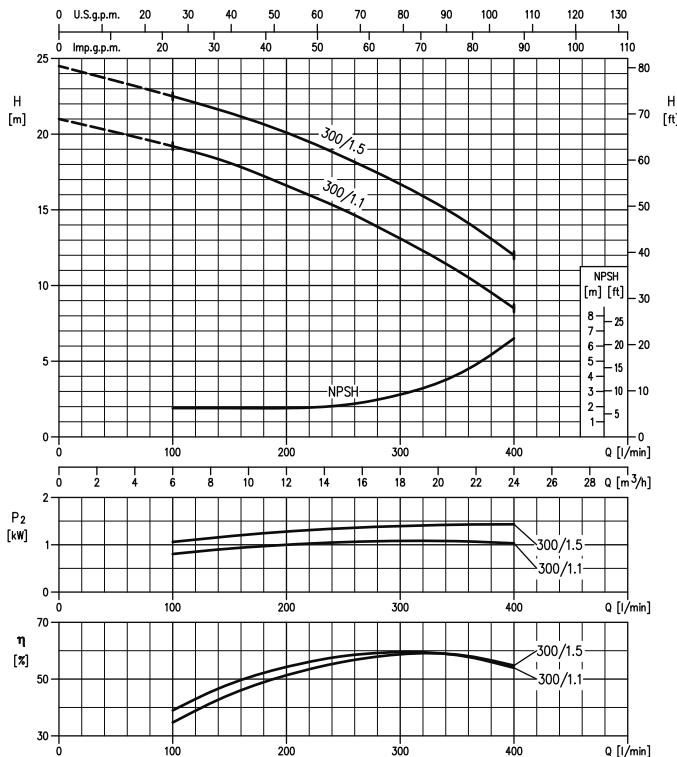


## Installation

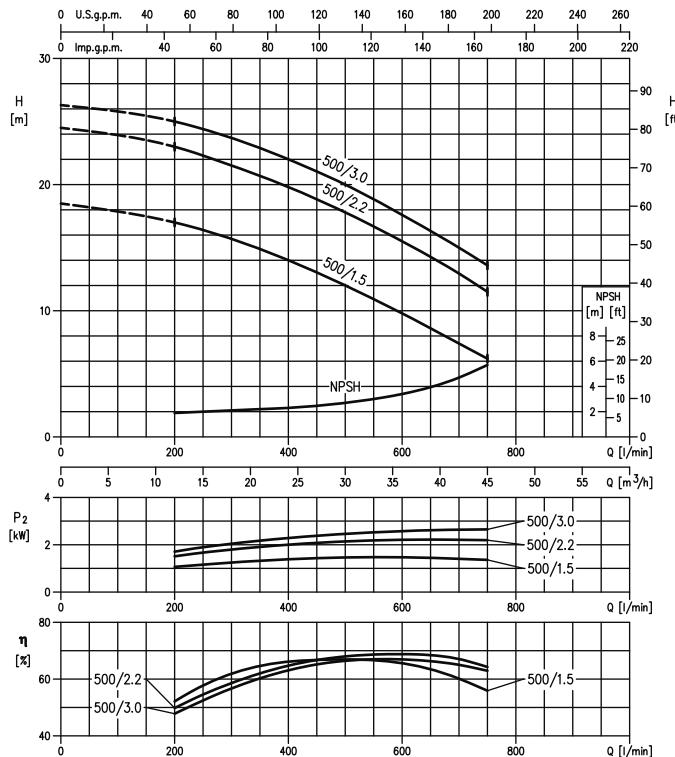


DWC centrifugal pumps, thanks to their reduced dimensions, result easy to install also in situations where space is small or difficult to reach. Its sturdy and reliable construction, combined with a stainless steel body, provide high performance in the critical applications, as a water distribution.

## DWC 300



## DWC 500



## Three phase 230/400V

## 2 Poles

Model	Code	HP	kW	Q=Flow rate									Abs. Curr. [A] 230V	DNA	DNM	Weight [kg]	
				l/min m³/h	0 0	100 6	200 12	300 18	400 24	600 36	700 42	750 45					
DWC-V/I 300/1,1	2180070004I	1,5	1,1		21,0	19,2	16,6	13,1	8,5	-	-	-	5,8	3,3	G2	G2	15,4
DWC-V/I 300/1,5	2180080004I	2	1,5		24,5	22,5	20,1	16,7	12,0	-	-	-	6,6	3,8	G2	G2	16,9
DWC-N/I 300/1,1	2181070004I	1,5	1,1		21,0	19,2	16,6	13,1	8,5	-	-	-	5,8	3,3	G2	G2	15,4
DWC-N/I 300/1,5	2181080004I	2	1,5		24,5	22,5	20,1	16,7	12,0	-	-	-	6,6	3,8	G2	G2	16,9
DWC-V/I 500/1,5	2190080004I	2	1,5		18,5	-	17,0	15,7	14,0	9,8	7,4	6,2	6,6	3,8	G2	G2	17,9
DWC-V/I 500/2,2	2190100004I	3	2,2		24,5	-	23,0	21,5	19,8	15,5	13,0	11,5	8,8	5,1	G2	G2	20,3
DWC-V/I 500/3,0	2190110004I	4	3		26,3	-	25,0	23,7	22,0	17,6	15,0	13,6	11,1	6,4	G2	G2	22,3
DWC-N/I 500/1,5	2191080004I	2	1,5		18,5	-	17,0	15,7	14,0	9,8	7,4	6,2	6,6	3,8	G2	G2	17,4
DWC-N/I 500/2,2	2191100004I	3	2,2		24,5	-	23,0	21,5	19,8	15,5	13,0	11,5	8,8	5,1	G2	G2	20,3
DWC-N/I 500/3,0	2191110004I	4	3		26,3	-	25,0	23,7	22,0	17,6	15,0	13,6	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
	- in PPE+PS reinforced with fibreglass for CMA 0.50-0.75-1.00
Impeller	- 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	- in AISI 416 (EN 1.4005) (integral) for CMA 0.50 - in AISI 303 (EN 1.4305) (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 (EN 1.4301) (part in contact with the liquid) for CMB 4.00-5.50
Mechanical seal	Ceramic/Carbon/NBR (standard)
Motor support	- 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 1~230V ±10% Three phase 3~230/400V ±10%

Permanent split capacitor built in overload motor protector with automatic reset. The three phase version does not have an internal motor protector, therefore overload protection must be provided by the user.

## Accessories

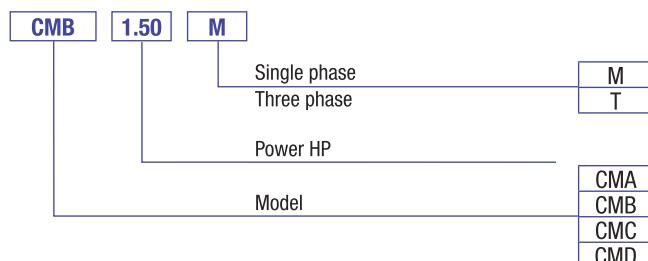
	<b>Tanks</b> Page 444 - 8/10 bar 5/10 litres tanks
	<b>Floats</b> Page 443 - Key floats with counterweight
	<b>Pressure switches</b> Page 443 - 1,3÷12 bar pressure switches
	<b>Control systems</b> Page 431 - <b>Presscomfort</b> Pressure regulator Page 432 - <b>Servopress</b> Pressure regulator Page 430 - <b>E-power</b> Variable speed control systems Page 426 - <b>E-SPD</b> Variable speed control systems Page 424 - <b>Control panels</b> SMART EVO 1-2

# CMA - B - C - D

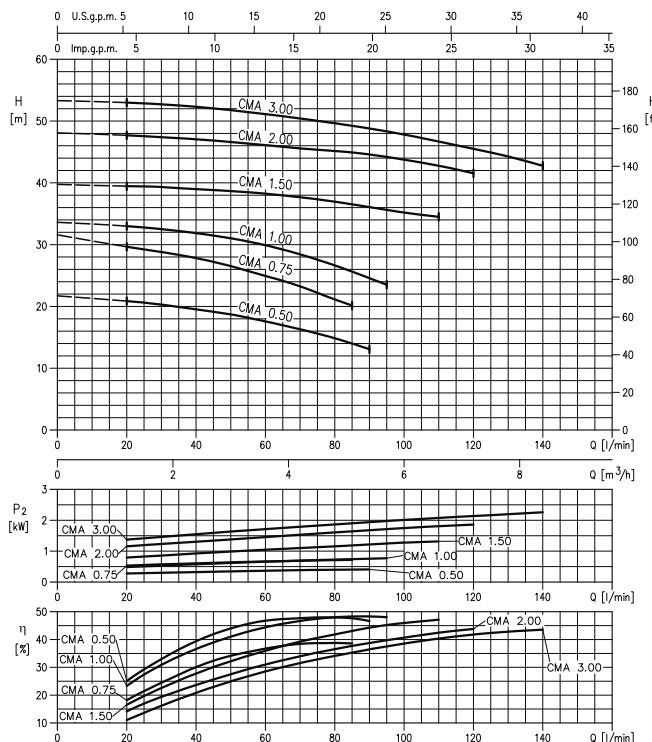
Single impeller centrifugal pumps in cast iron



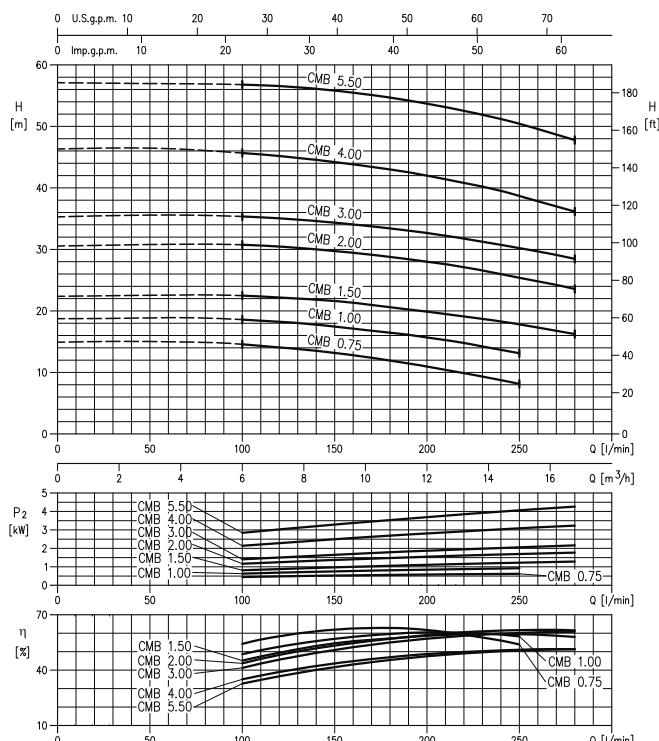
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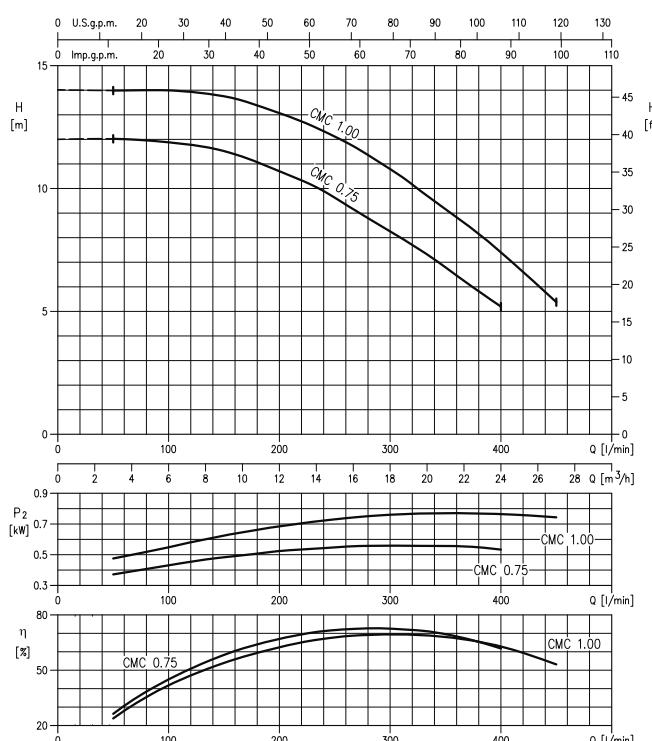
## CMA



## CMB



## CMC

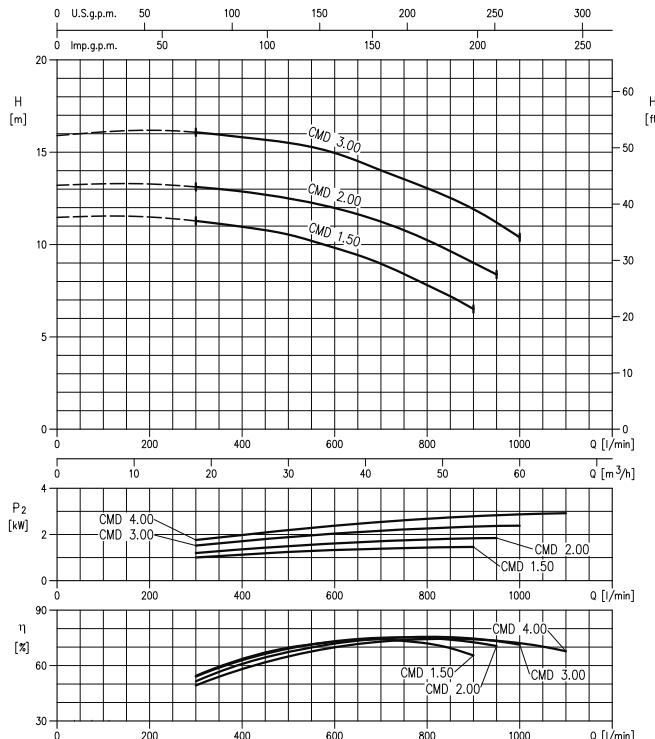


# CMA - B - C - D

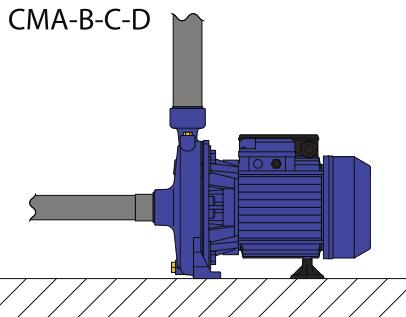
Single impeller centrifugal pumps in cast iron



## CMD



## 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]
				I/min	0	20	40	60	85	90	95	110	120				
				m <sup>3</sup> /h	0	1,2	2,4	3,6	5,1	5,4	5,7	6,6	7,2				
CMA 0,50 M	1160050000	0,5	0,37		21,7	20,9	19,5	17,6	14,0	13,1	-	-	-	3,2	G1	G1	7,2
CMA 0,50 M GO	1160050100	0,5	0,37		21,7	20,9	19,5	17,6	14,0	13,1	-	-	-	3,2	G1	G1	7,2
CMA/A 0,75 M	1160090000A	0,75	0,55		31,6	29,7	27,8	24,9	20,2	-	-	-	-	4,7	G1	G1	10,3
CMA/A 0,75 M GO	1160090100A	0,75	0,55		31,6	29,7	27,8	24,9	20,2	-	-	-	-	4,7	G1	G1	10,3
CMA 1,00 M	1160100000	1	0,75		33,6	33,0	31,9	29,9	25,6	24,6	23,5	-	-	6,2	G1	G1	11,5
CMA 1,00 M GO	1160100100	1	0,75		33,6	33,0	31,9	29,9	25,6	24,6	23,5	-	-	6,2	G1	G1	11,5
CMA/B 1,50 M	1160150000B	1,5	1,1		39,8	39,5	39,0	38,3	36,5	36,1	35,6	34,5	-	8	G1½	G1	19,5
CMA/A 2,00 M	1160200000A	2	1,5		48,0	47,5	47,0	46,0	45,0	44,5	44,0	43,0	42,0	10,3	G1½	G1	22,8

GO= Version with brass impeller

## Single phase 230V

2 Poles

Model	Code	HP	kW	Q=Flow rate							Abs. Curr. [A] 230V	DNA	DNM	Weight [kg]
				I/min	0	100	150	200	250	280				
				m <sup>3</sup> /h	0	6	9	12	15,1	16,9				
CMB 0,75 M	1170090000	0,75	0,55		14,9	14,6	13,2	10,9	8,1	-	4,5	G2	G1½	11,6
CMB 1,00 M	1170100000	1	0,75		18,7	18,6	17,5	15,7	13,1	-	6	G2	G1½	13,7
CMB/B 1,50 M	1170150000B	1,5	1,1		22,4	22,5	21,6	20,0	17,8	16,2	8,2	G2	G1½	19,9
CMB/A 2,00 M	1170200000A	2	1,5		30,6	30,8	29,7	28,0	25,4	23,6	10,3	G2	G1½	21,0

# CMA - B - C - D

Single impeller centrifugal pumps in cast iron



Single phase 230V											2 Poles				
Model	Code	HP	kW	Q=Flow rate							Abs. Curr. [A]	DNA	DNM	Weight [kg]	
				I/min	0	50	100	200	300	400					
				m³/h	0	3	6	12	18,1	24,1					
H=Total head [m]															
CMC 0,75 M	1180090000	0,75	0,55		12,0	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	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]	DNA	DNM	Weight [kg]	
				I/min	0	300	400	600	800	900					
				m³/h	0	18,1	24,1	36,1	48,2	54,2					
H=Total head [m]															
CMD/B 1,50 M	1190150000B	1,5	1,1		11,5	11,3	11	9,8	7,8	6,5	-	8,5	G2½	G2½	21,3
CMD/A 2,00 M	1190200000A	2	1,5		13,2	13,1	12,9	12	10,2	9	8,4	10,3	G2½	G2½	23,0

Three phase 230/400V															2 Poles				
Model	Code	HP	kW	Q=Flow rate											Abs. Curr. [A]	DNA	DNM	Weight [kg]	
				I/min	0	20	40	60	85	90	95	110	120	140					
				m³/h	0	1,2	2,4	3,6	5,1	5,4	5,7	6,6	7,2	8,4					
H=Total head [m]																			
CMA 0,50 T	1160050004	0,5	0,37		21,7	20,9	19,5	17,6	14,0	13,1	-	-	-	-	2,4	1,4	G1	G1	7,1
CMA 0,50 T GO	1160050104	0,5	0,37		21,7	20,9	19,5	17,6	14,0	13,1	-	-	-	-	2,4	1,4	G1	G1	7,1
CMA/A 0,75 T	1160090004A	0,75	0,55		31,6	29,7	27,8	24,9	20,2	-	-	-	-	-	3,2	1,8	G1	G1	10,2
CMA/A 0,75 T GO	1160090104A	0,75	0,55		31,6	29,7	27,8	24,9	20,2	-	-	-	-	-	3,2	1,8	G1	G1	10,2
CMA/I 1,00 T	1160100004I	1	0,75		33,6	33,0	31,9	29,9	25,6	24,6	23,5	-	-	-	3,3	1,9	G1	G1	11,6
CMA/I 1,00 T GO	1160100104I	1	0,75		33,6	33,0	31,9	29,9	25,6	24,6	23,5	-	-	-	3,3	1,9	G1	G1	11,6
CMA/I 1,50 T	1160150004I	1,5	1,1		39,8	39,5	39,0	38,3	36,5	36,1	35,6	34,5	-	-	5,8	3,3	G1¼	G1	20,8
CMA/I 2,00 T	1160200004I	2	1,5		48	47,5	47	46	45	44,5	44	43	42	-	7,6	4,4	G1¼	G1	24,3
CMA/I 3,00 T	1160300004I	3	2,2		53,5	53	52,5	51	49	49	48,5	46,5	45,5	42,5	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]
				I/min	0	100	150	200	250	280								
				m³/h	0	6	9	12	15,1	16,9								
H=Total head [m]																		
CMB 0,75 T	1170090004	0,75	0,55		14,9	14,6	13,2	10,9	8,1	-	3,0	1,7	G2	G1¼	11,6			
CMB/I 1,00 T	1170100004I	1	0,75		18,7	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		22,4	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		30,6	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		35,3	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		46,5	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	57,0	56,0	53,5	50,5	48,0	15,6	9,0	G2	G1¼	43,4			



# 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]	
				I/min	0	50	100	200	300	400	450					
				m³/h	0	3	6	12	18,1	24,1	27,1					
CMC 0,75 T	1180090004	0,75	0,55		12,0	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	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]		
				I/min	0	300	400	600	800	900	950						
				m³/h	0	18,1	24,1	36,1	48,2	54,2	57,2	60,2					
CMD/I 1,50 T	1190150004I	1,5	1,1		11,5	11,3	11	9,8	7,8	6,5	-	-	5,8	3,3	G2½	G2½	23,1
CMD/I 2,00 T	1190200004I	2	1,5		13,2	13,1	12,9	12	10,2	9	8,4	-	7,1	4,1	G2½	G2½	24,2
CMD/I 3,00 T	1190300004I	3	2,2		15,9	16,1	15,8	15	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.

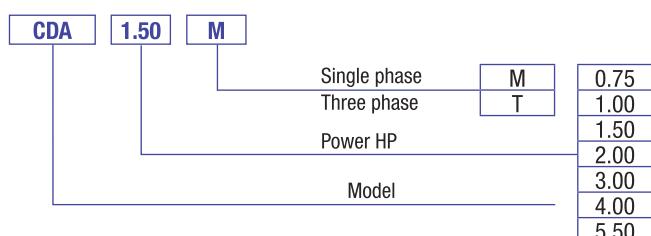


Available  
with brass  
impeller

## Materials

<b>Pump body</b>	Cast iron
<b>Impeller</b>	in PPE+PS reinforced with fibreglass for CDA 0.75 - 1.00, in brass for the rest of the range
<b>Shaft</b>	in AISI 303 (EN 1.4305) for CDA 0.75 - 1.00 - 1.50 - 2.00 - 3.00, in AISI 304 (EN 1.4301) for CDA 4.00 - 5.50
<b>Mechanical seal</b>	Ceramic/Carbon/NBR (standard)
<b>Motor support</b>	in aluminium for CDA 0.75 - 1.00 in cast iron for the rest of the range

## Identification code



## Technical data

<b>Max. working pressure</b>	6 bar for CDA 0.75-1.00 10 bar for the rest of the range
<b>Max. temperature of the liquid (clear water)</b>	40°C for CDA 0.75-1.00, 90°C for the rest of the range
<b>Poles</b>	2
<b>Insulation class</b>	F
<b>Protection degree</b>	IP44
<b>Voltage</b>	Single phase 1~230V ±10% Three phase 3~230/400V ±10%

Permanent split capacitor built in overload motor protector with automatic reset.  
The three phase version does not have an internal motor protector, therefore overload protection must be provided by the user.

## Accessories

	<b>Tanks</b> Page 444 - 8/10 bar 5/10 litres tanks
	<b>Floats</b> Page 443 - Key floats with counterweight
	<b>Pressure switches</b> Page 443 - 1,3÷12 bar pressure switches
	<b>Control systems</b> Page 431 - <b>Presscomfort</b> Pressure regulator Page 432 - <b>Servopress</b> Pressure regulator Page 430 - <b>E-power</b> Variable speed control systems Page 426 - <b>E-SPD</b> Variable speed control systems Page 424 - <b>Control panels</b> SMART EVO 1-2

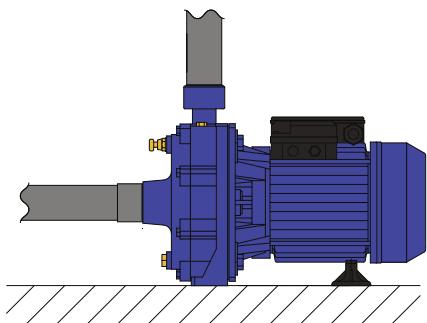
# CDA

Twin impeller centrifugal pumps in cast iron

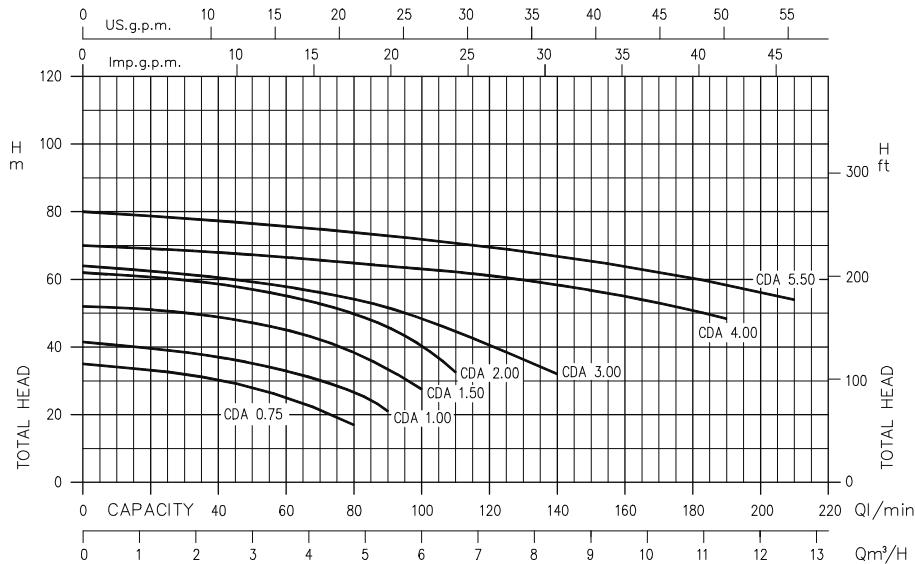


CDA

## 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.



## Single phase 230V

2 Poles

Model	Code	HP	kW	Q=Flow rate								Abs. Curr. [A] 230V	DNA	DNM	Weight [kg]		
				l/min	0	20	40	50	80	90	100	110					
					m³/h	0	1,2	2,4	3	4,8	5,4	6,6	6,6				
CDA/A 0.75 M	1210090000A	0,75	0,55		35	33	30,2	27,9	17	-	-	-	-	5	G1	G1	13,8
CDA/A 0.75 M GO	1210090100A	0,75	0,55		35	33	30,2	27,9	17	-	-	-	-	5	G1	G1	13,8
CDA 1.00 M	1210100000	1	0,75		41,5	39,5	37	35,2	27	21	-	-	-	6,1	G1	G1	15,0
CDA 1.00 M GO	1210100100	1	0,75		41,5	39,5	37	35,2	27	21	-	-	-	6,1	G1	G1	15,0
CDA/B 1.50 M	1210150000B	1,5	1,1		52	50,8	48,8	47,1	38,4	33,4	27,5	-	-	8,6	G1½	G1	24,2
CDA/A 2.00 M	1210200000A	2	1,5		62	60,5	58,6	56,9	49,8	46,5	40,3	32,5	-	10,8	G1½	G1	26,0

GO= Version with brass impeller

## Three phase 230/400V

2 Poles

Model	Code	HP	kW	Q=Flow rate												Abs. Curr. [A] 230V 400V	DNA	DNM	Weight [kg]		
				l/min	0	20	40	50	80	90	100	110	140	170	190	210					
					m³/h	0	1,2	2,4	3	4,8	5,4	6,6	6,6	8,4	10,2	11,4	12,6				
CDA/A 0.75 T	1210090004A	0,75	0,55		35	33	30,2	27,9	17	-	-	-	-	-	-	-	3,4	2,0	G1	G1	13,8
CDA/I 1.00 T	121010004I	1	0,75		41,5	39,5	37	35,2	27	21	-	-	-	-	-	-	3,3	1,9	G1	G1	15,0
CDA/I 1.00 T GO	1210100104I	1	0,75		41,5	39,5	37	35,2	27	21	-	-	-	-	-	-	3,3	1,9	G1	G1	15,0
CDA/I 1.50 T	1210150004I	1,5	1,1		52	50,8	48,8	47,1	38,4	33,4	27,5	-	-	-	-	-	5,8	3,3	G1½	G1	25,8
CDA/I 2.00 T	1210200004I	2	1,5		62	60,5	58,6	56,9	49,8	46,5	40,3	32,5	-	-	-	-	7,9	4,6	G1½	G1	28,0
CDA/I 3.00 T	1210300004I	3	2,2		64	-	60,5	59,3	54,1	51,6	48,4	44,6	32	-	-	-	8,5	4,9	G1½	G1	26,7
CDA/I 4.00 T	1210400004I	4	3		70	-	-	67	64,8	63,9	62,5	62	58	53,5	48	-	11,7	6,8	G1½	G1½	46,8
CDA/I 5.50 T	1210550004I	5,5	4		80	-	-	76,5	73,9	72,9	71,8	70,5	66,8	62	58,3	54	15,1	8,7	G1½	G1½	52,0

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

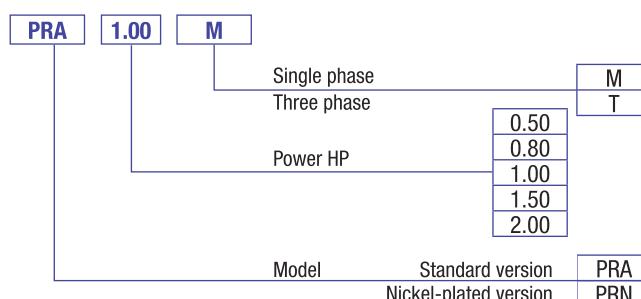


Low noise

## Materials

<b>Pump body</b>	Cast iron
<b>Impeller</b>	Brass Nickel-plated brass (PRN)
<b>Shaft</b>	AVZ for PRA 0.50 AISI 303 (EN 1.4305) for the rest of the range
<b>Mechanical seal</b>	Carbon/Ceramic/NBR (standard)
<b>Motor support</b>	Cast iron

## Identification code



## Technical data

<b>Max. working pressure</b>	6 bar PRA/PRN 0.50 7,5 bar PRA 0.80 12 bar for the rest of the range
<b>Max. temperature of the liquid</b>	80°C
<b>Poles</b>	2
<b>Insulation class</b>	F
<b>Protection degree</b>	IP44
<b>Voltage</b>	Single phase 1~230V ±10% Three phase 3~230/400V ±10%

Permanent split capacitor built in overload motor protector with automatic reset. The three phase version does not have an internal motor protector, therefore overload protection must be provided by the user.

## Accessories



### Floats

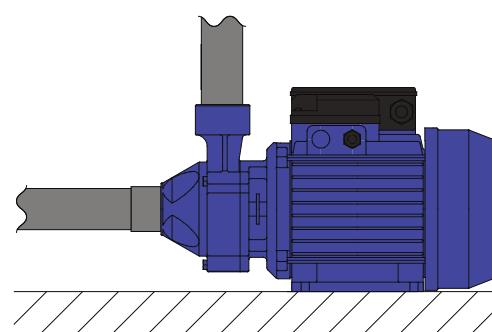
Page 443 - **Key floats with counterweight**



### Control panels

Page 424 - **Control panels SMART EVO 1-2**

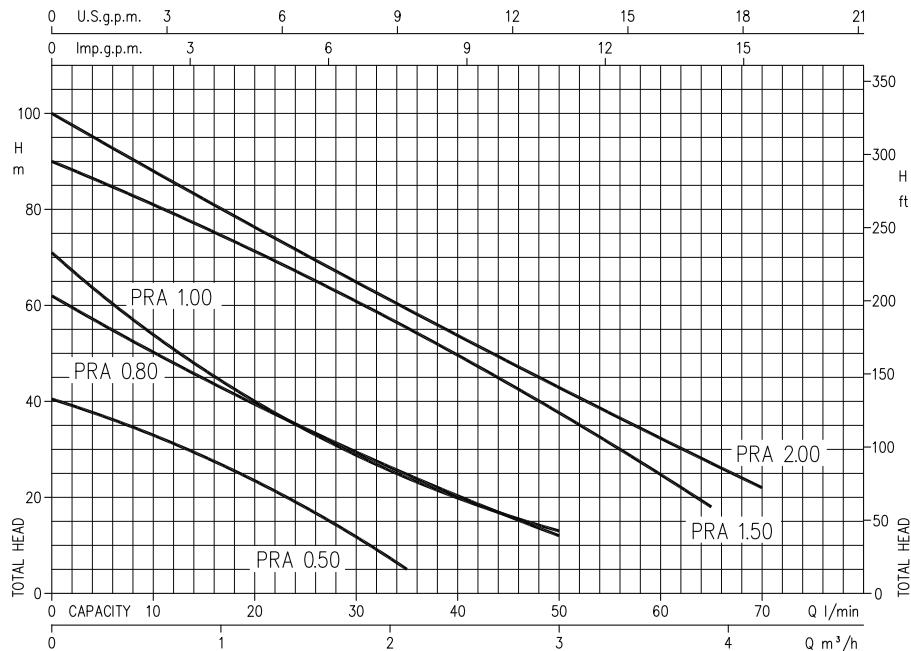
## Installation



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.

# PRA - PRN

Peripheral pumps in cast iron



## Single phase 230V

Model	Code	HP	kW	Q=Flow rate									Abs. Curr. [A] 230V	DNA	DNM	Weight [kg]		
				I/min	0	5	10	15	20	35	50	65						
				m³/h	0	0,3	0,6	0,9	1,2	2,1	3	3,9						
PRA 0,50 M	1150050000	0,5	0,37		40,5	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		62	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		71	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		90	-	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		100	-	88,0	82,9	77,0	59,8	43,3	27,4	22,0	-	10,9	G1	G1	15,8
PRN 0,50 M *	1150050100	0,5	0,37		40,5	37,0	33,3	28,7	23,7	5,0	-	-	-	-	2,6	G1	G1	5,6

\* Nickel-plated version

## Three phase 230/400V

Model	Code	HP	kW	Q=Flow rate									Abs. Curr. [A] 230V 400V	DNA	DNM	Weight [kg]			
				I/min	0	5	10	15	20	35	50	65							
				m³/h	0	0,3	0,6	0,9	1,2	2,1	3	3,9							
PRA 0,50 T	1150050004	0,5	0,37		40,5	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		62	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		71	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		90	-	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		100	-	88,0	82,9	77,0	59,8	43,3	27,4	22,0	-	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 (EN 1.4301) stainless steel
Impeller	AISI 304 (EN 1.4301) stainless steel
Shaft	AISI 304 (EN 1.4301) stainless steel
Mechanical seal	Standard = Ceramic/Carbon/NBR H = Graphite/Ceramic/FPM HS = Silicon carbide/Silicon carbide/FPM HW = Tungsten carbide/Tungsten carbide/FPM HSW = Silicon carbide/Tungsten carbide/FPM
Motor support	Aluminium

## Open impeller



## Technical data

Max. working pressure	8 bar
Max. temperature of the liquid (clear water)	-5°C ÷ +90°C for std version -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 1~230V ±10% Three phase 3~230/400V ±10%

Permanent split capacitor built in overload motor protector with automatic reset. The three phase version does not have an internal motor protector, therefore overload protection must be provided by the user.

\* ATTENTION: Approximate temperature range referred to the limits of mechanical seal materials. For applications with special fluid, different from standard limits indicated in the specific series, please contact our Technical Customer Service.

## Accessories



### Control panels

Page 424 - Control panels  
SMART EVO 1-2

## Options



### Mechanical seal

Page 457 - See all the available mechanical seal versions

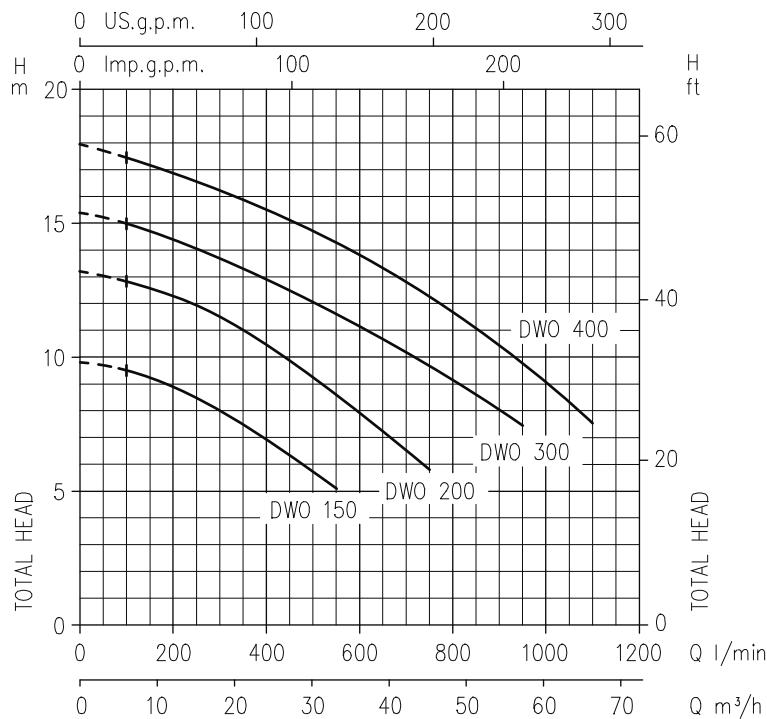
## Identification code

DWO	H	150	M	150	H
				200	HS
				300	HW
				400	HSW
			Single phase		Q1AVGG
			Power HPx100		AQ1EGG
					VAEGG
			Optional mechanical seal		Q1U3EGG
					U3BEGG
			Model		

# 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]
				l/min	0	100	200	300	400	550	750	12	18	24			
H=Total head [m]																	
DWO/A 150 M	1579070000A	1,5	1,1		9,8	9,5	8,9	7,9	6,9	5,1	-	-	-	6,8	G2	G2	14,4
DWO 200 M	1579080000	2	1,5		13,2	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] 230V	DNA	DNM	Weight [kg]	
				l/min	0	100	200	300	400	550	750	950	1100					
H=Total head [m]																		
DWO/I 150	1579070004I	1,5	1,1		9,8	9,5	8,9	7,9	6,9	5,1	-	-	-	5,8	3,3	G2	G2	15,4
DWO/I 200	1579080004I	2	1,5		13,2	12,7	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		15,5	15	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		18	17,5	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.

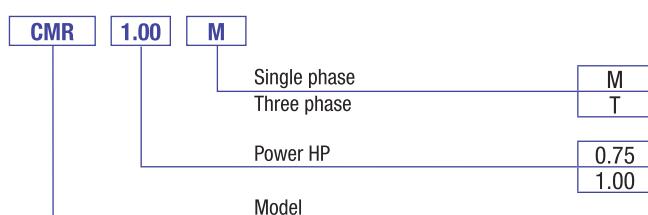


Available  
with brass  
impeller

## Materials

Pump body	Cast iron
Impeller	Brass
Shaft	in AISI 303 (EN 1.4305) (part in contact with the liquid)
Mechanical seal	Ceramic/Carbon/NBR (standard)
Motor support	Alluminium

## Identification code



## Technical data

Max. working pressure	6 bar
Max. temperature of the liquid (clear water)	90°C
MEI	> 0,4
Poles	2
Insulation class	F
Protection degree	IP44
Voltage	Single phase 1~230V ±10% Three phase 3~230/400V ±10%

Permanent split capacitor built in overload motor protector with automatic reset. The three phase version does not have an internal motor protector, therefore overload protection must be provided by the user.

## Accessories



### Tanks

Page 444 - 8/10 bar 5/10 litres tanks



### Floats

Page 443 - Key floats with counterweight



### Pressure switches

Page 443 - 1,3÷12 bar pressure switches



### Control systems

Page 431 - Presscomfort

Pressure regulator

Page 432 - Servopress

Pressure regulator

Page 430 - E-power

Variable speed control systems

Page 426 - E-SPD

Variable speed control systems

Page 424 - Control panels

SMART EVO 1-2

# CMR

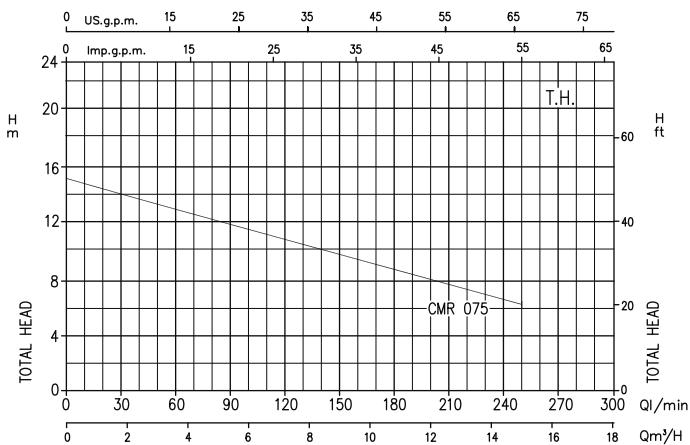
Open impeller centrifugal pumps in cast iron



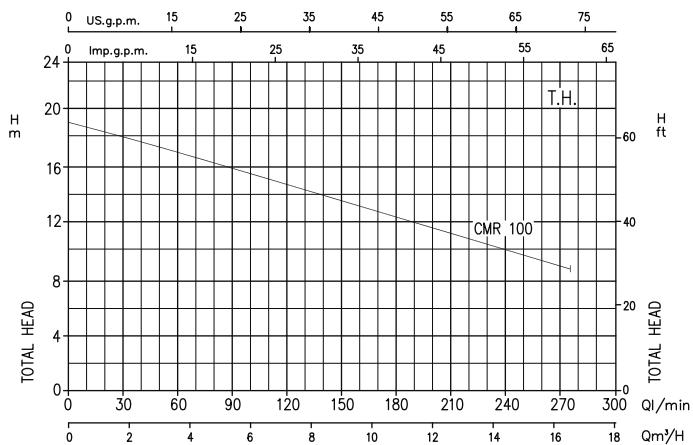
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G.M.174/2004



## CMR 075

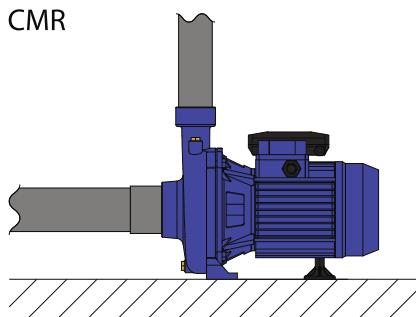


## CMR 100



## 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

Model	Code	HP	kW	Q=Flow rate							Abs. Curr. [A] 230V	DNA	DNM	Weight [kg]
				I/min	0	50	100	200	250	275				
				m³/h	0	3	6	12	15	16,5				
H=Total head [m]														
CMR 0,75 M	1200090000	0,75	0,55		15,5	13,6	11,4	8,1	6,3	-	3,8	G1½	G1½	10,7
CMR 1,00 M	1200100000	1	0,75		18,9	17,3	15,4	11,5	9,6	8,7	4,85	G1½	G1½	11,9

### Three phase 230/400V

Model	Code	HP	kW	Q=Flow rate							Abs. Curr. [A] 230V 400V	DNA	DNM	Weight [kg]
				I/min	0	50	100	200	250	275				
				m³/h	0	3	6	12	15	16,5				
H=Total head [m]														
CMR 0,75 T	1200090004	0,75	0,55		15,5	13,6	11,4	8,1	6,3	-	2,8	1,6	G1½	10,7
CMR/I 1,00 T	1200100004I	1	0,75		18,9	17,3	15,4	11,5	9,6	8,7	3	1,7	G1½	12,7

	<b>3(L)(.) SERIES - technical data</b>	48
	Centrifugal pumps close coupled and standardized	
	<b>3M SERIES</b>	67
	Pumps with closed coupled motor in AISI 304	
	<b>3S SERIES</b>	70
	Pumps with IEC standard motor and rigid coupling in AISI 304	
	<b>3P SERIES</b>	73
	Pumps on base with IEC standard motor with flexible coupling in AISI 304	
	<b>3PF SERIES</b>	76
	Pumps in AISI 304 (hydraulic only)	
	<b>3LM SERIES</b>	78
	Pumps with closed coupled motor in AISI 316/AISI 316L	
	<b>3LS SERIES</b>	81
	Pumps with IEC standard motor and rigid coupling in AISI 316/AISI 316L	
	<b>3LP SERIES</b>	84
	Pumps on base with IEC standard motor with flexible coupling in AISI 316/AISI 316L	
	<b>3LPF SERIES</b>	87
	Pumps in AISI 316/AISI 316L (hydraulic only)	
	<b>3D(.) - MD/MMD SERIES - technical data</b>	89
	End suction pumps in cast iron with impeller in AISI 304, AISI 316 and cast iron (EN 733)	
	<b>3D SERIES - MD/MMD</b>	106
	Pumps with closed coupled motor (extended shaft) in cast iron	
	<b>3DS SERIES</b>	111
	Pumps with IEC standard motor and rigid coupling (stub shaft) in cast iron	
	<b>3DP SERIES</b>	114
	Pumps on base with IEC standard motor with flexible coupling in cast iron	
	<b>GS Model</b>	117
	Standardized end suction pumps	

# 3(L)(4) SERIES

## Centrifugal pumps close coupled and standardized

Standardized motor-driven centrifugal pumps with AISI 304 (3 SERIES) and AISI 316L (3L SERIES) 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.



### Technical data

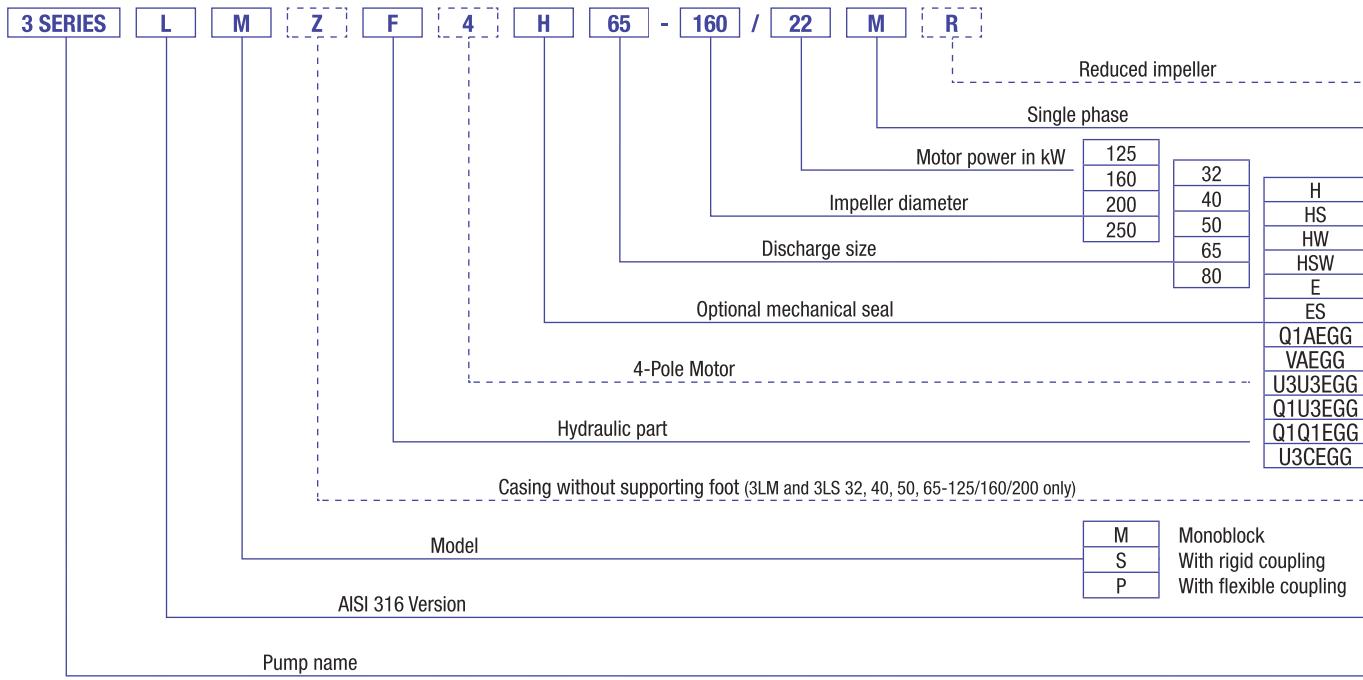
<b>Max. working pressure</b>	10 bar
<b>Max. temperature of the liquid (clear water)</b>	-5°C ÷ +90°C for standard models -5°C ÷ +110°C for H, HS, HW, HSW versions -20°C ÷ +120°C for E version
<b>Capacity</b>	up to 240 m <sup>3</sup> /h

<b>Total Head</b>	up to 93,5 m
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The pump does not have an internal motor protector, therefore overload protection must be provided by the user.

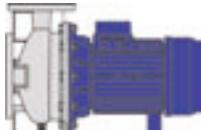
\* **ATTENTION:** Approximate temperature range referred to the limits of mechanical seal materials. For applications with special fluid, different from standard limits indicated in the specific series, please contact our Technical Customer Service.

### Identification code



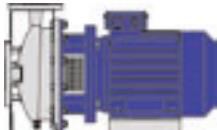
#### 3(L)M SERIES monoblock

AISI 304 - 3M - page 67  
AISI 316 - 3LM - page 78



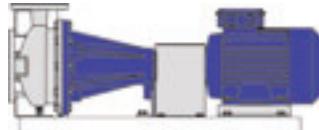
#### 3(L)S SERIES with rigid coupling

AISI 304 - 3S - page 70  
AISI 316 - 3LS - page 81



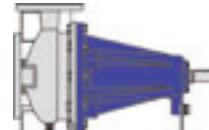
#### 3(L)P SERIES with flexible coupling

AISI 304 - 3P - page 73  
AISI 316 - 3LP - page 84



#### 3(L)PF SERIES bare shaft

AISI 304 - 3PF - page 76  
AISI 316 - 3LPF - page 87

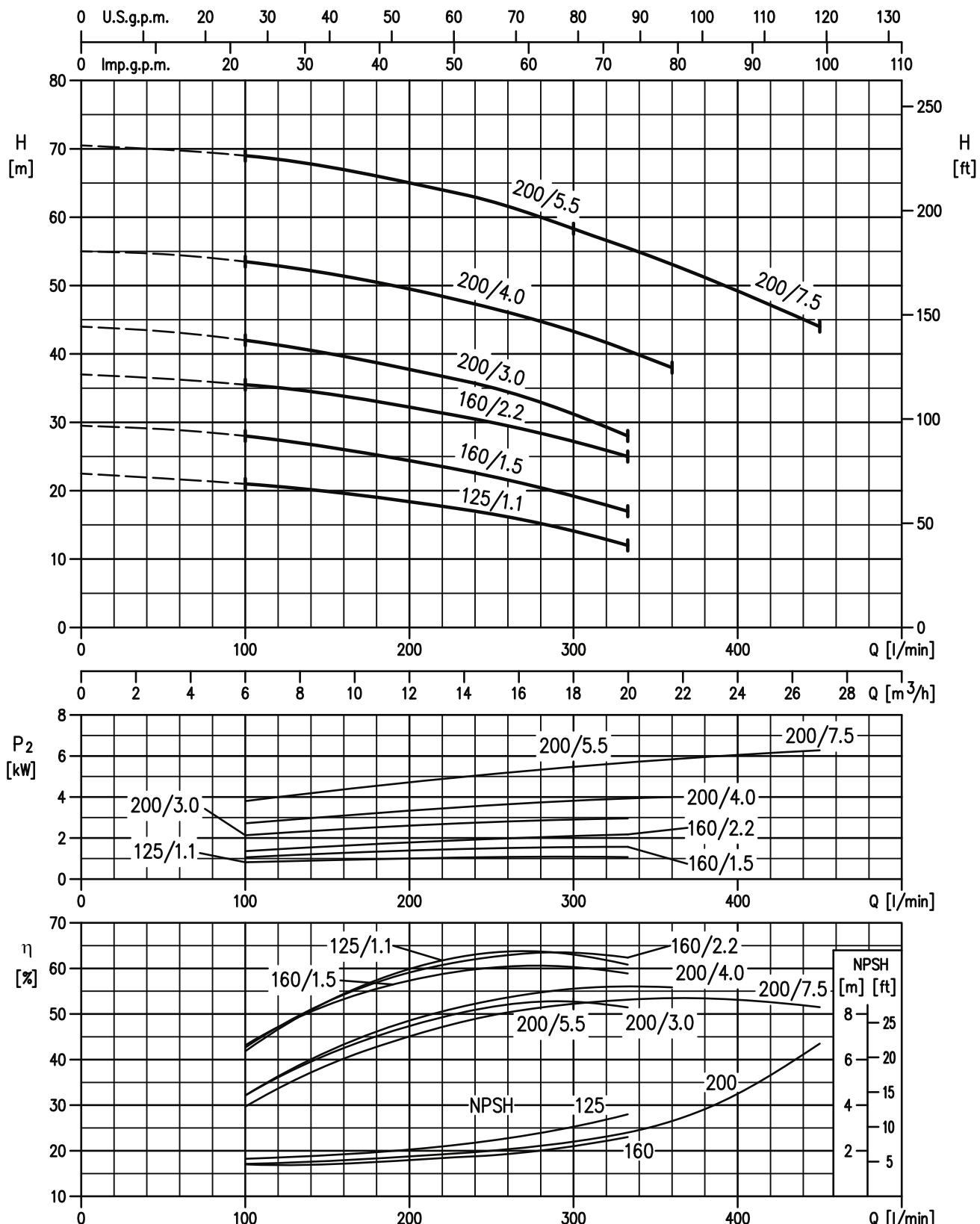


# 3(L) SERIES

Centrifugal pumps close coupled and standardized

## PERFORMANCE CURVES 3(L)(.) SERIES 32

2 Poles

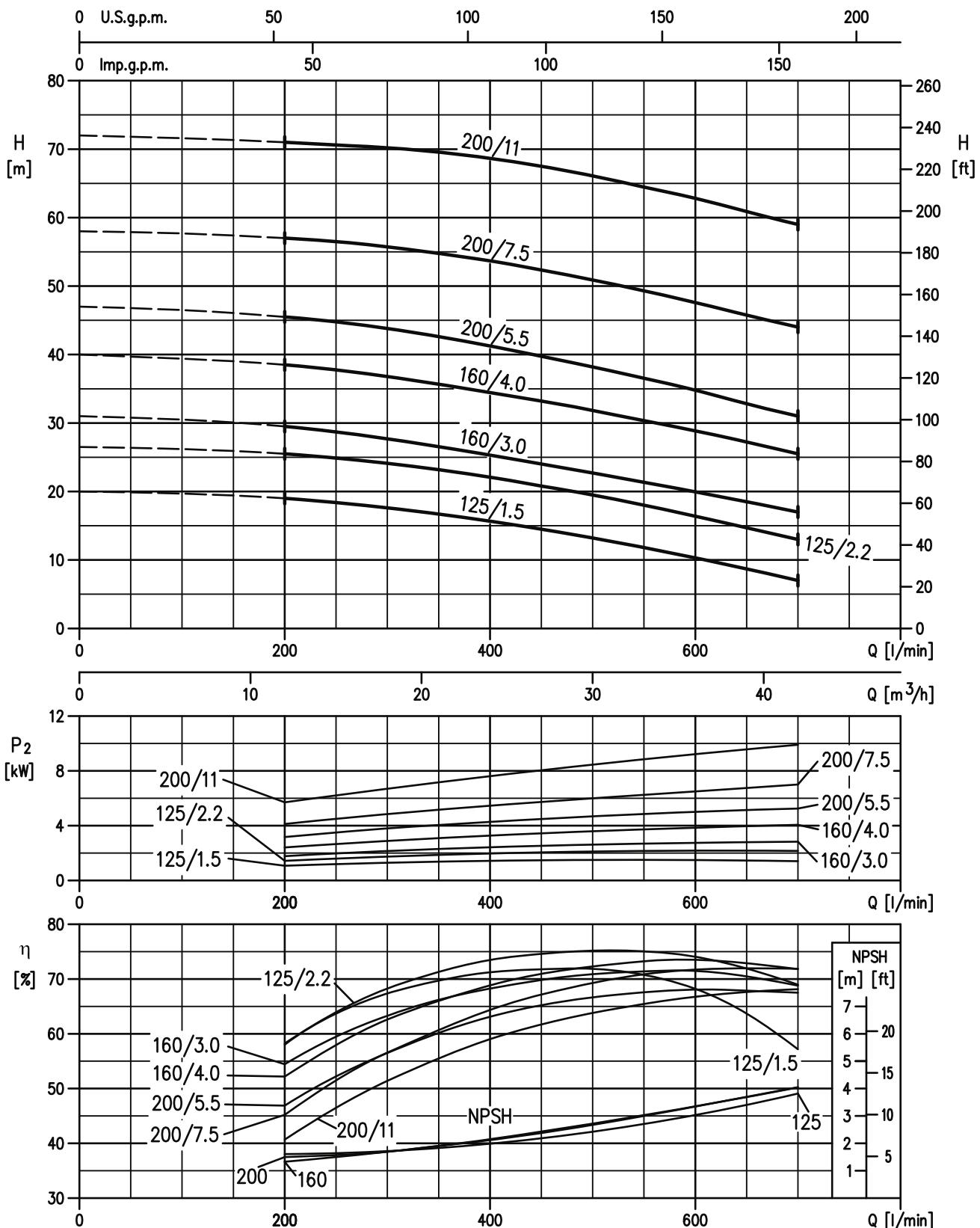


# 3(L) SERIES

Centrifugal pumps close coupled and standardized

## PERFORMANCE CURVES 3(L)(.) SERIES 40

2 Poles

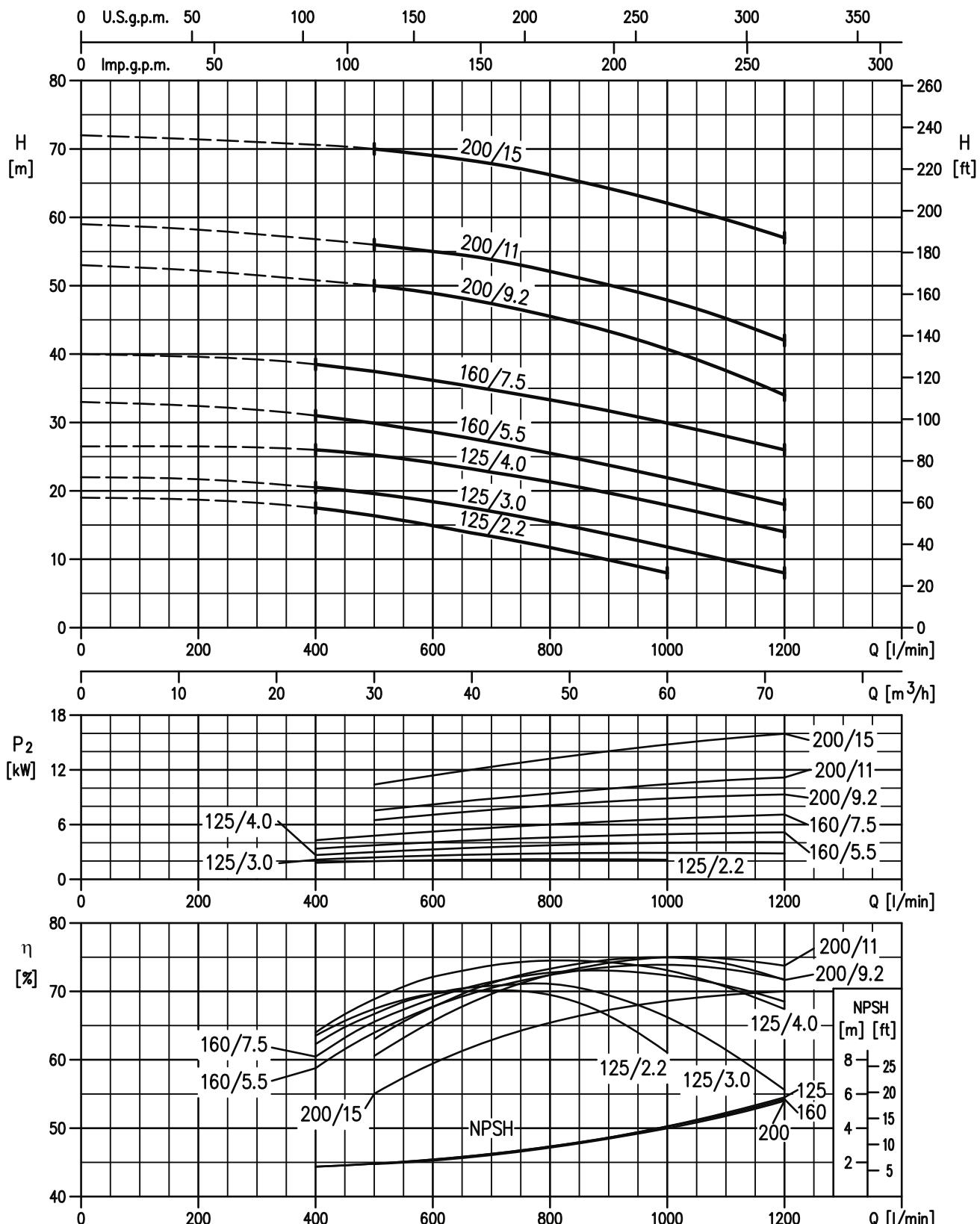


# 3(L) SERIES

Centrifugal pumps close coupled and standardized

## PERFORMANCE CURVES 3(L)(.) SERIES 50

2 Poles

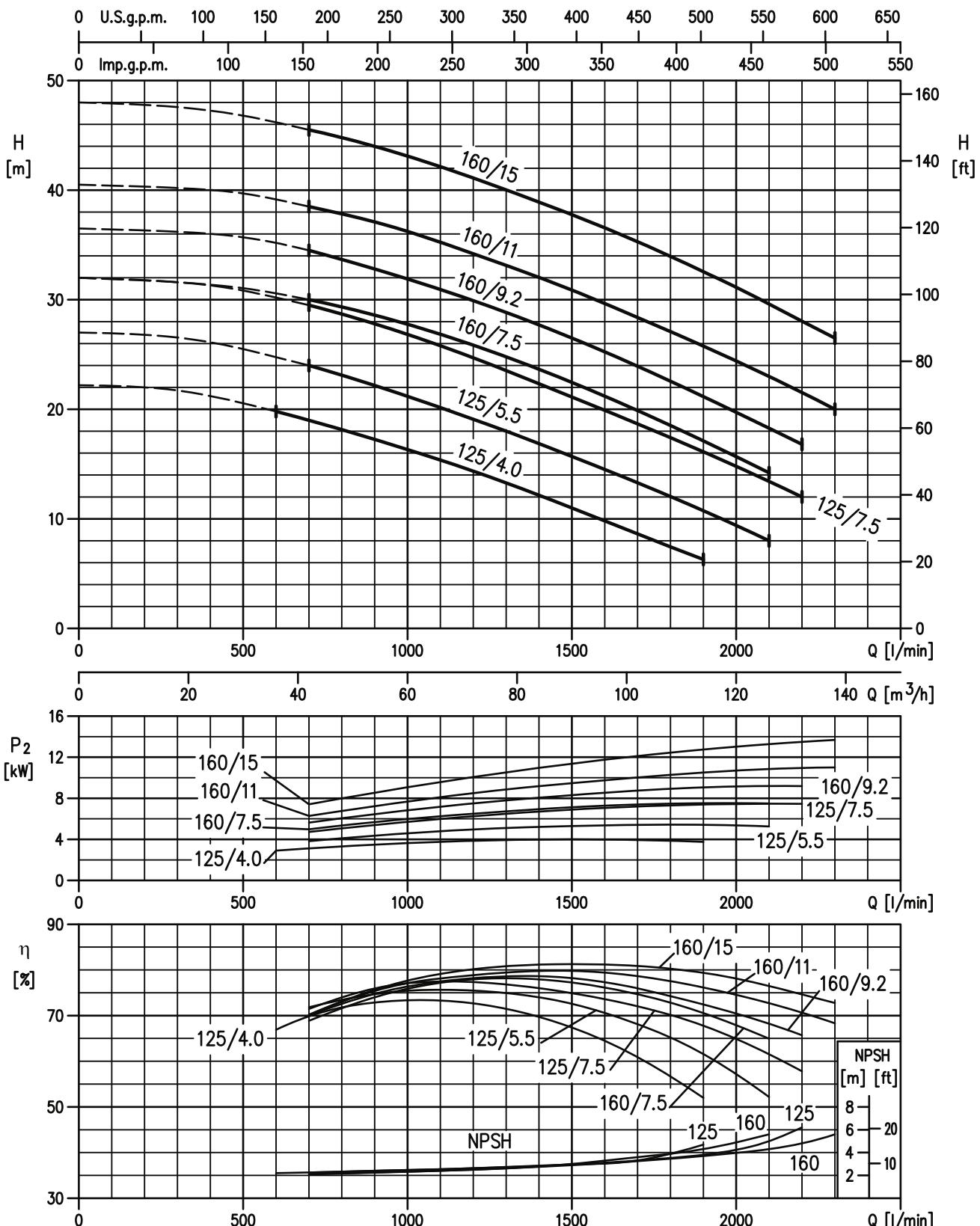


# 3(L) SERIES

Centrifugal pumps close coupled and standardized

## PERFORMANCE CURVES 3(L)(.) SERIES 65

2 Poles

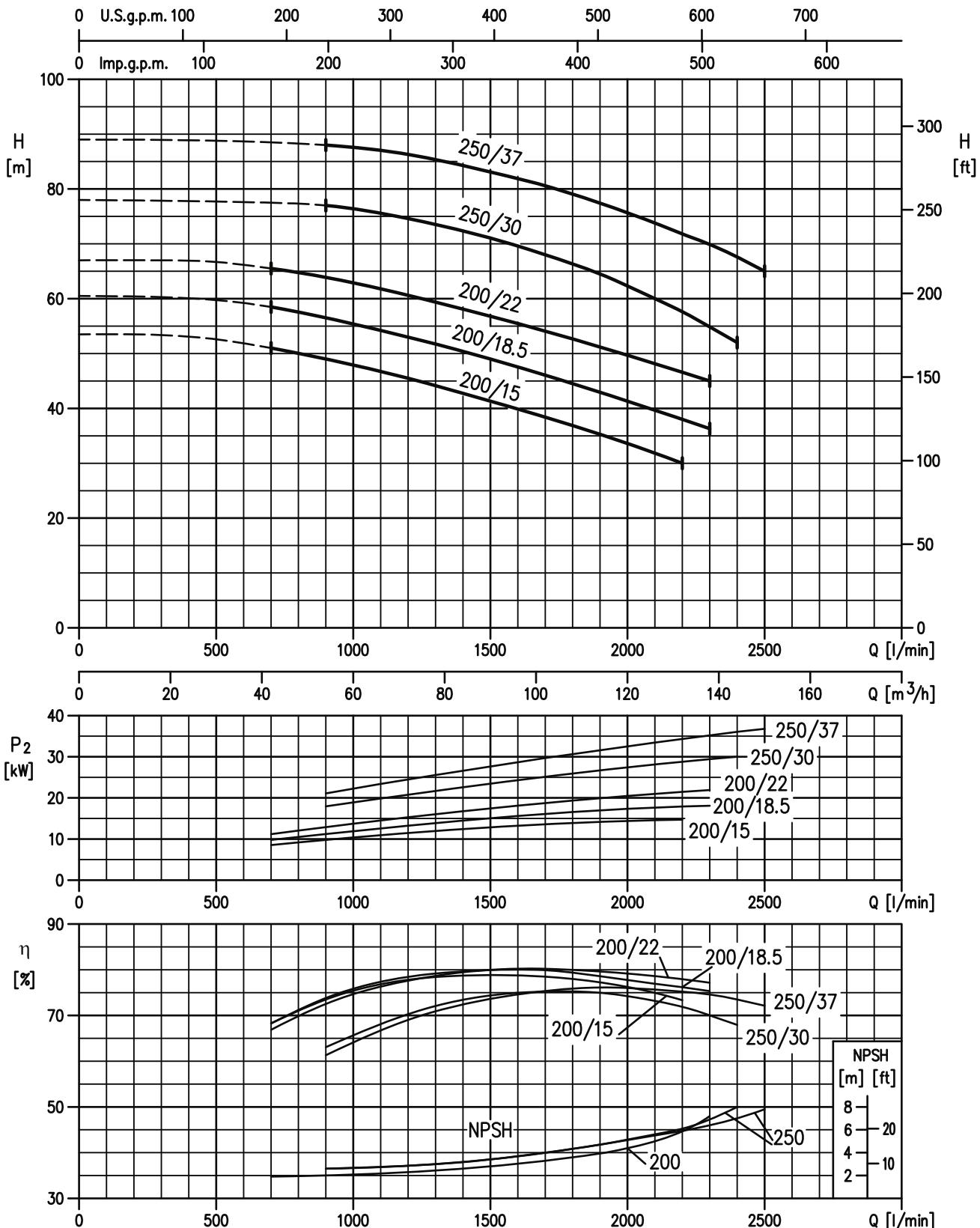


# 3(L) SERIES

Centrifugal pumps close coupled and standardized

## PERFORMANCE CURVES 3L(.) SERIES 65

2 Poles

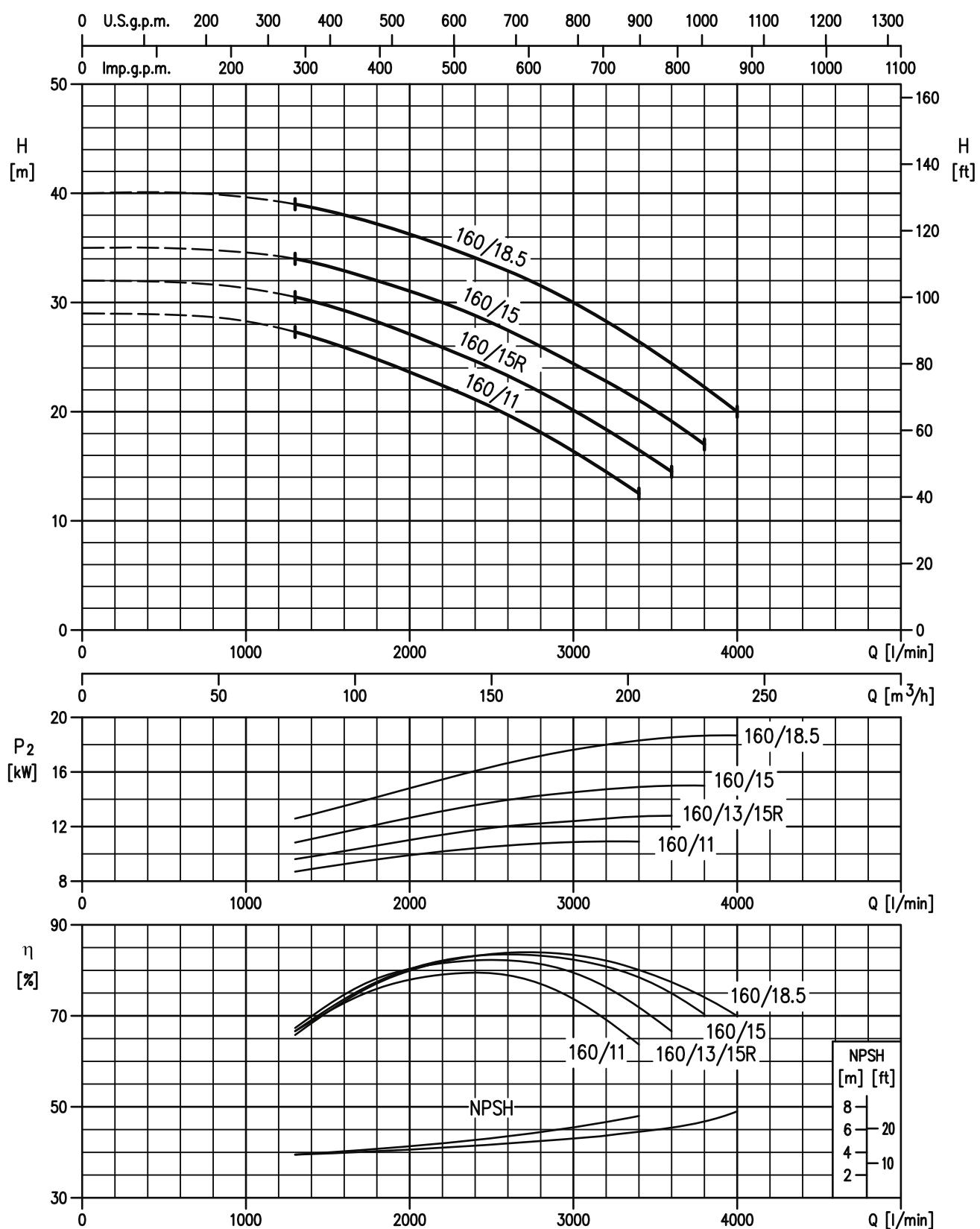


# 3(L) SERIES

Centrifugal pumps close coupled and standardized

## PERFORMANCE CURVES 3L(.) SERIES 80

2 Poles

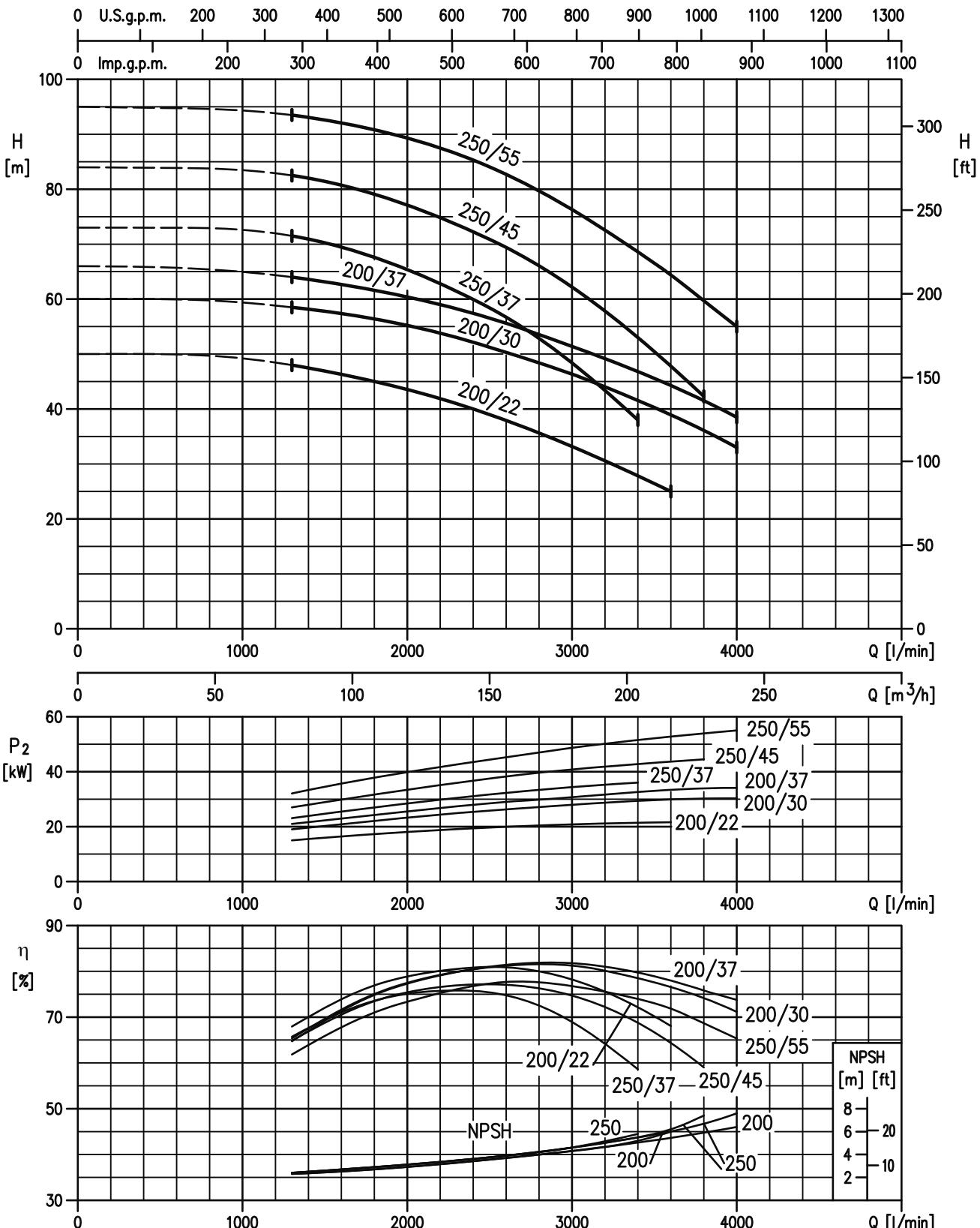


# 3(L) SERIES

Centrifugal pumps close coupled and standardized

## PERFORMANCE CURVES 3L(.) SERIES 80

2 Poles

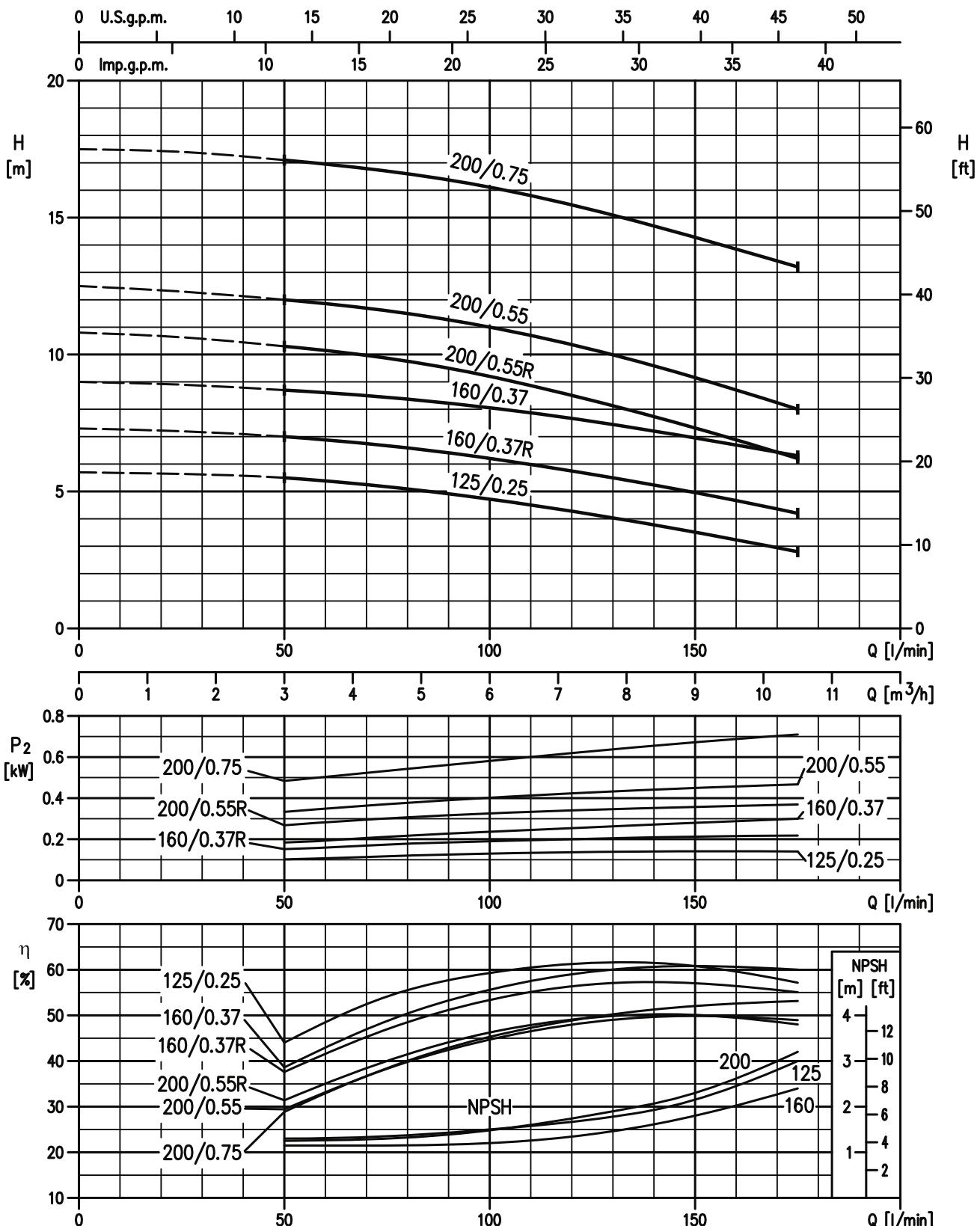


# 3(L)4 SERIES

Centrifugal pumps close coupled and standardized

## PERFORMANCE CURVES 3(L)(.) SERIES 32

4 Poles

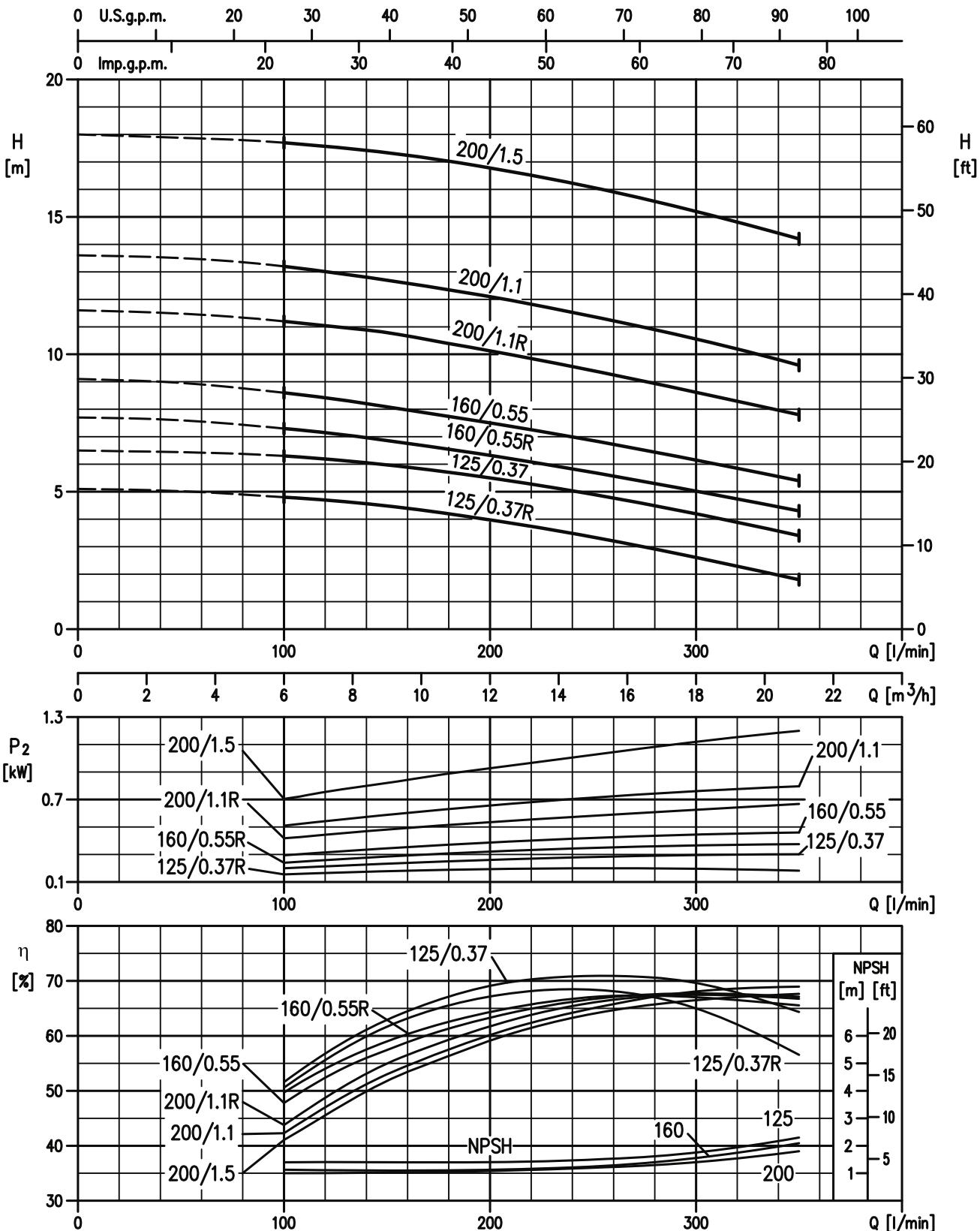


# 3(L)4 SERIES

Centrifugal pumps close coupled and standardized

## PERFORMANCE CURVES 3(L)(.) SERIES 40

4 Poles

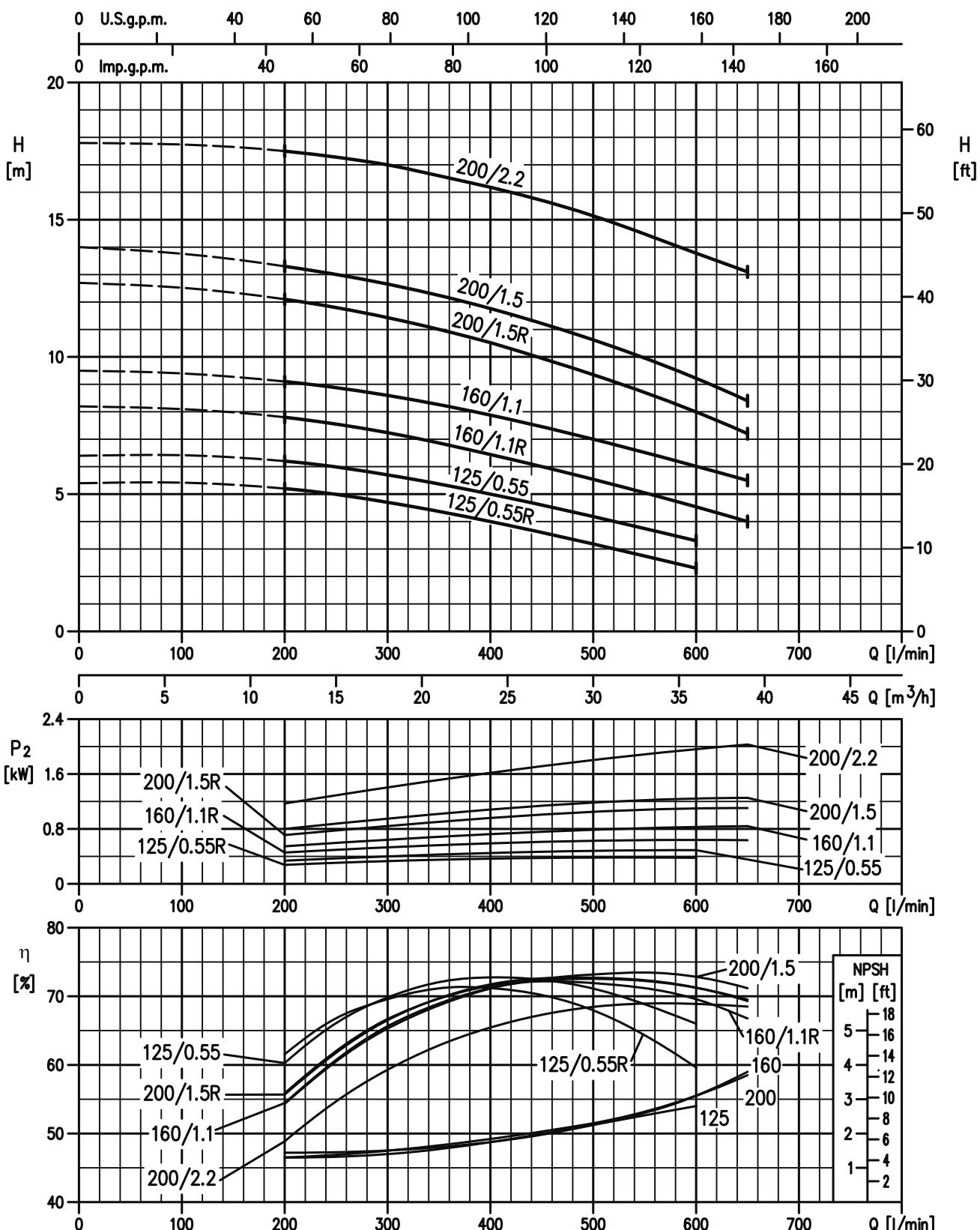


# 3(L)4 SERIES

Centrifugal pumps close coupled and standardized

## PERFORMANCE CURVES 3(L)(.) SERIES 50

4 Poles

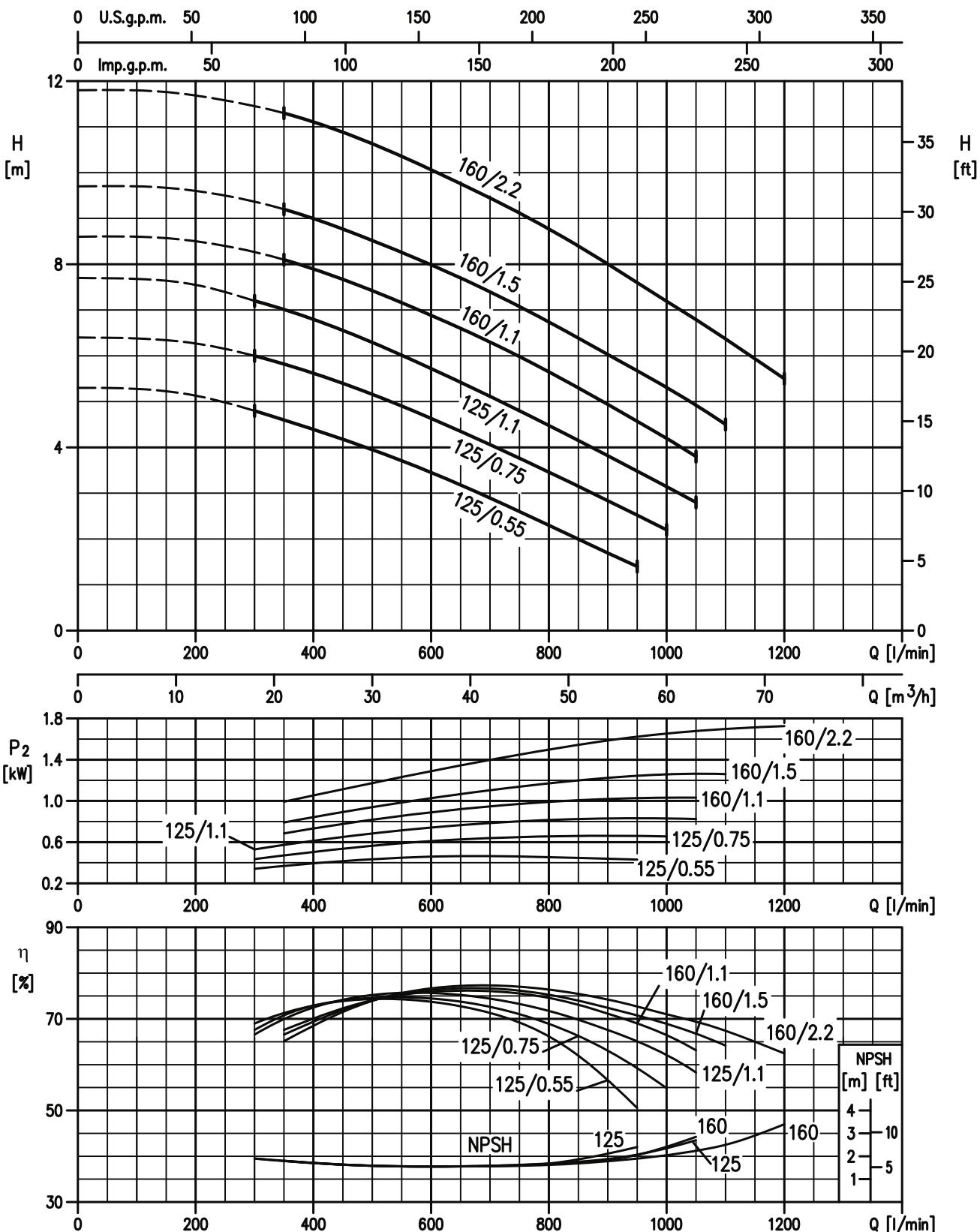


# 3(L)4 SERIES

Centrifugal pumps close coupled and standardized

## PERFORMANCE CURVES 3(L)(.) SERIES 65

4 Poles

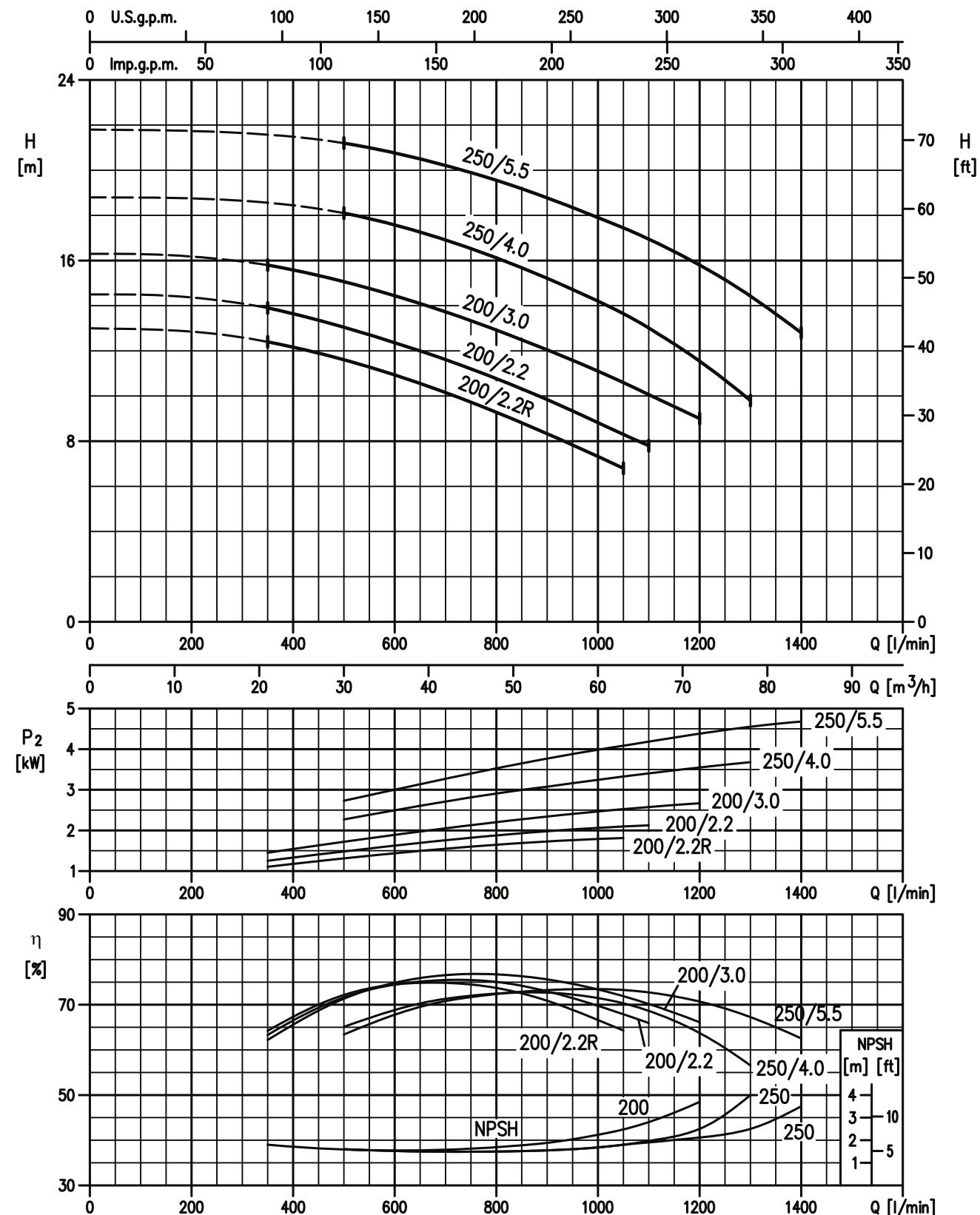


# 3(L)4 SERIES

Centrifugal pumps close coupled and standardized

## PERFORMANCE CURVES 3L(.) SERIES 65

4 Poles

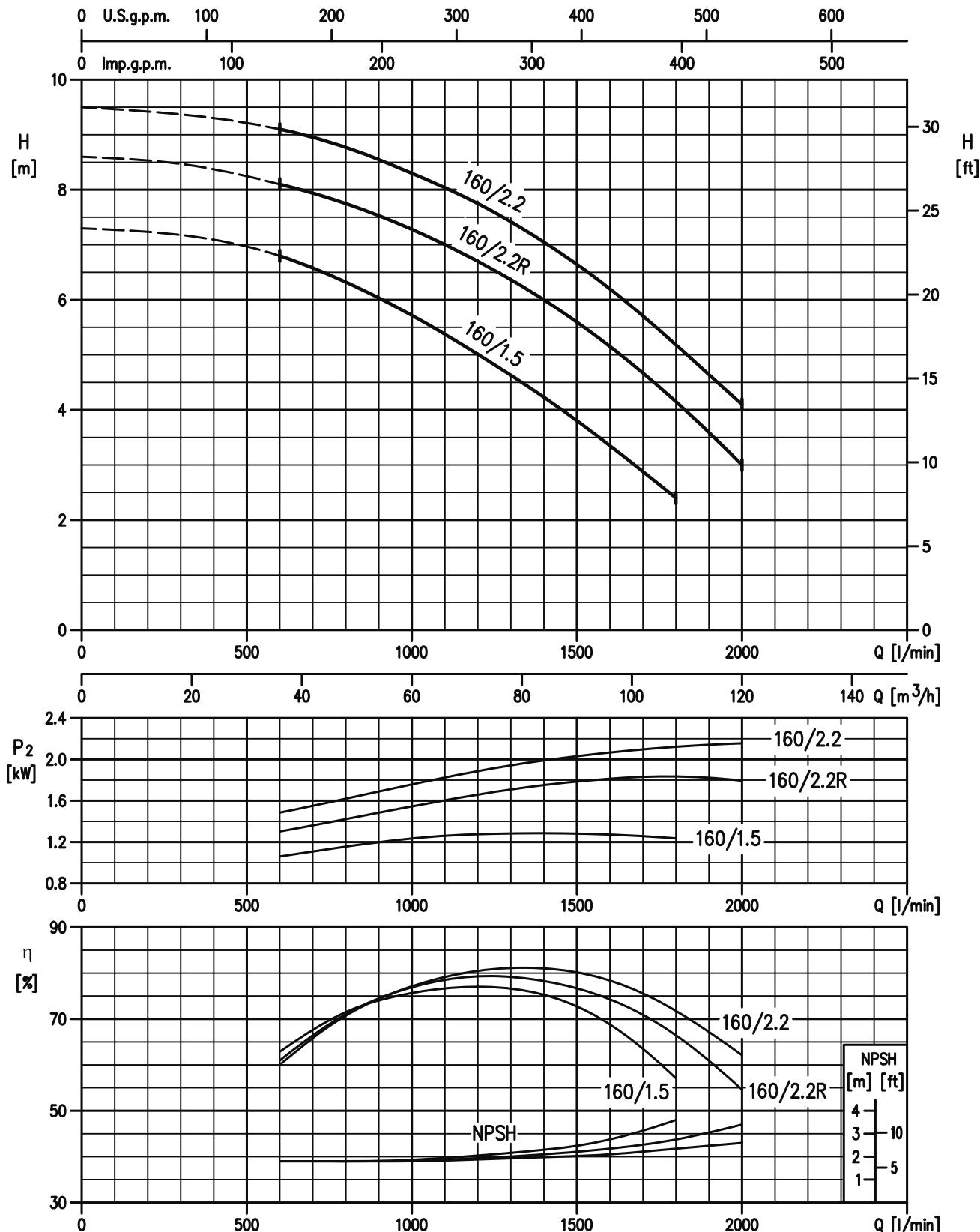


# 3(L)4 SERIES

Centrifugal pumps close coupled and standardized

## PERFORMANCE CURVES 3L(.) SERIES 80

4 Poles

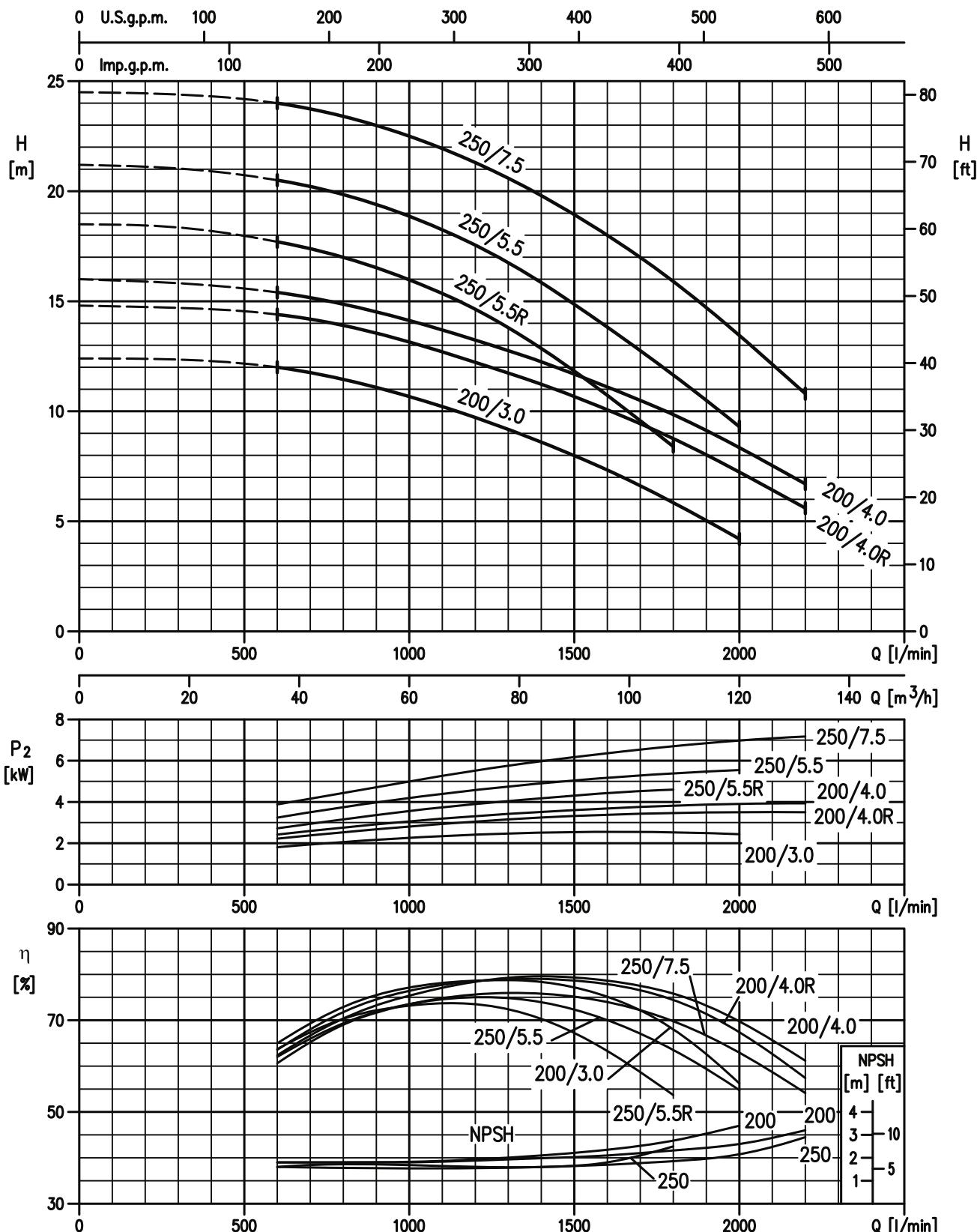


# 3(L)4 SERIES

Centrifugal pumps close coupled and standardized

## PERFORMANCE CURVES 3L(.) SERIES 80

4 Poles



# 3(L) SERIES

Centrifugal pumps close coupled and standardized

**Selection table 3(.) SERIES 32-40-50** 2 poles

Model	HP	kW	Q=Flow rate														
			I/min	0	100	150	200	300	333	360	400	450	500	600	700	800	1000
m³/h	0	6	9	12	18	20	22	24	27	30	36	42	48	60	72		
3(.) SERIES 32-125/1.1(M)	1,5	1,1		22,5	21,0	19,9	18,4	14,1	12,0	-	-	-	-	-	-	-	-
3(.) SERIES 32-160/1.5(M)	2	1,5		29,5	28,0	26,5	24,5	19,2	17,0	-	-	-	-	-	-	-	-
3(.) SERIES 32-160/2.2(M)	3	2,2		37	35,5	34,0	32,0	27,0	25,0	-	-	-	-	-	-	-	-
3(.) SERIES 32-200/3.0	4	3		44	42,0	40,0	37,5	31,0	28,0	-	-	-	-	-	-	-	-
3(.) SERIES 32-200/4.0	5,5	4		55	53,5	52,0	49,5	43,5	40,5	38,0	-	-	-	-	-	-	-
3(.) SERIES 32-200/5.5	7,5	5,5		70,5	69,0	67,5	65,0	58,5	-	-	-	-	-	-	-	-	-
3(.) SERIES 32-200/7.5	10	7,5		70,5	69,0	67,5	65,0	58,5	55,5	53,0	49,0	44,0	-	-	-	-	-
3(.) SERIES 40-125/1.5(M)	2	1,5		20	-	-	19,0	17,6	17,0	16,5	15,7	14,5	13,2	10,3	7,0	-	-
3(.) SERIES 40-125/2.2(M)	3	2,2		26,5	-	-	25,5	24,0	23,5	23,0	22,0	21,0	19,5	16,4	13,0	-	-
3(.) SERIES 40-160/3.0	4	3		31	-	-	29,5	27,5	27,0	26,5	25,5	24,0	22,5	20,0	17,0	-	-
3(.) SERIES 40-160/4.0	5,5	4		40	-	-	38,5	37,0	36,0	35,5	34,5	33,0	32,0	29,0	25,5	-	-
3(.) SERIES 40-200/5.5	7,5	5,5		47	-	-	45,5	44,0	43,0	42,5	41,0	39,5	38,0	35,0	31,0	-	-
3(.) SERIES 40-200/7.5	10	7,5		58	-	-	57,0	55,5	55,0	54,5	53,5	52,5	51,0	47,5	44,0	-	-
3(.) SERIES 40-200/11	15	11		72	-	-	71,0	70,0	70,0	69,5	68,5	67,5	66,0	63,0	59,0	-	-
3(.) SERIES 50-125/2.2(M)	3	2,2		19	-	-	-	-	-	-	17,5	17,0	16,3	14,9	13,4	11,7	8,0
3(.) SERIES 50-125/3.0	4	3		22	-	-	-	-	-	-	20,5	20,0	19,6	18,4	17,0	15,4	11,8
3(.) SERIES 50-125/4.0	5,5	4		26,5	-	-	-	-	-	-	26,0	25,5	25,0	24,0	22,5	21,5	17,9
3(.) SERIES 50-160/5.5	7,5	5,5		33	-	-	-	-	-	-	31,0	30,5	30,0	28,5	27,0	25,5	22,0
3(.) SERIES 50-160/7.5	10	7,5		40	-	-	-	-	-	-	38,5	38,0	37,5	36,0	35,0	33,5	30,0
3(.) SERIES 50-200/9.2	12,5	9,2		53	-	-	-	-	-	-	-	50,0	49,0	47,5	45,5	40,5	34,0
3(.) SERIES 50-200/11	15	11		59	-	-	-	-	-	-	-	56,0	55,0	54,0	52,0	48,0	42,0
3(.) SERIES 50-200/15	20	15		72	-	-	-	-	-	-	-	70,0	69,0	68,0	66,0	62,0	57,0

(M) Single phase version only for 3(L)M SERIES

# 3(L) SERIES

Centrifugal pumps close coupled and standardized

Selection table 3(.) SERIES 65-80

2 poles

Model	HP	kW	Q=Flow rate																		
			I/min	0	600	700	900	1300	1500	1700	1900	2100	2200	2300	2400	2500	3000	3400	3600		
			m³/h	0	36	42	54	78	90	102	114	126	132	138	144	150	180	204	216		
3(.) SERIES 65-125/4.0	5,5	4		22,2	19,8	19,0	17,3	13,3	11,0	8,6	6,3	-	-	-	-	-	-	-	-		
3(.) SERIES 65-125/5.5	7,5	5,5		27	-	24,0	22,2	18,0	15,7	13,3	10,8	8,0	-	-	-	-	-	-	-		
3(.) SERIES 65-125/7.5	10	7,5		32	-	29,5	27,8	23,5	21,1	18,7	16,1	13,4	12,0	-	-	-	-	-	-		
3(.) SERIES 65-160/7.5	10	7,5		32	-	30,0	28,6	24,8	22,5	19,9	17,1	14,2	-	-	-	-	-	-	-		
3(.) SERIES 65-160/9.2	12,5	9,2		36,5	-	34,5	32,8	28,8	26,5	23,9	21,1	18,3	16,8	-	-	-	-	-	-		
3(.) SERIES 65-160/11	15	11		40,5	-	38,5	37,1	33,1	30,9	28,4	25,8	23,0	21,5	20,0	-	-	-	-	-		
3(.) SERIES 65-160/15	20	15		48	-	45,5	44,0	40,0	37,8	35,3	32,6	29,6	28,0	26,5	-	-	-	-	-		
3(.) SERIES 65-200/15	20	15		53,5	-	51,0	49,0	44,0	41,5	38,4	35,3	31,8	30,0	-	-	-	-	-	-		
3(.) SERIES 65-200/18,5	25	18,5		60,5	-	58,5	56,5	51,5	49,0	46,0	43,0	39,7	38,0	36,3	-	-	-	-	-		
3(.) SERIES 65-200/22	30	22		67	-	65,5	64,0	59,5	57,0	54,0	51,0	48,0	46,5	45,0	-	-	-	-	-		
3L(.) SERIES 65-250/30	40	30		78	-	-	77,0	73,5	71,0	68,0	64,5	60,0	57,5	55,0	52,0	-	-	-	-		
3L(.) SERIES 65-250/37	50	37		89	-	-	88,0	85,5	83,0	80,5	77,5	74,0	72,0	70,0	67,5	65,0	-	-	-		
3L(.) SERIES 80-160/11	15	11		29	-	-	-	27,3	26,4	25,4	24,2	23,0	22,4	21,8	21,1	20,4	16,4	12,5	-		
3L(.) SERIES 80-160/15R	20	15		32	-	-	-	30,5	29,7	28,8	27,7	26,5	25,9	25,3	24,6	24,0	20,1	16,5	14,5		
3L(.) SERIES 80-160/15	20	15		35	-	-	-	34,0	33,3	32,5	31,5	30,5	30,0	29,4	28,8	28,1	24,4	21,0	19,1	17,0	
3L(.) SERIES 80-160/18,5	25	18,5		40	-	-	-	39,0	38,4	37,6	36,7	35,7	35,2	34,7	34,1	33,5	30,0	26,4	24,4	22,3	20,0
3L(.) SERIES 80-200/22	30	22		50	-	-	-	48,0	47,0	45,5	44,5	43,0	42,0	41,0	40,0	39,0	33,2	27,8	25,0	-	-
3L(.) SERIES 80-200/30	40	30		60	-	-	-	58,5	58,0	57,0	56,0	54,5	54,0	53,0	52,0	51,0	46,5	41,5	39,0	36,1	33,0
3L(.) SERIES 80-200/37	50	37		66	-	-	-	64,0	63,0	62,0	61,0	59,5	59,0	58,0	57,5	56,5	51,5	47,0	44,5	41,5	38,5
3L(.) SERIES 80-250/37	50	37		73	-	-	-	71,5	70,5	68,5	66,5	64,0	63,0	61,5	60,0	58,5	48,5	38,0	-	-	-
3L(.) SERIES 80-250/45	60	45		84	-	-	-	82,5	81,5	80,0	78,0	76,0	75,0	73,5	72,5	71,0	62,0	53,0	48,0	42,5	-
3L(.) SERIES 80-250/55	75	55		95	-	-	-	93,5	92,5	91,5	90,0	88,5	87,5	86,5	85,5	84,0	76,5	68,5	64,5	60,0	55,0

# 3(L)4 SERIES

Centrifugal pumps close coupled and standardized

**Selection table 3(.)4 SERIES 32-40-50** 4 poles

Model	HP	kW		Q=Flow rate												
				I/min	0	50	100	150	175	200	250	300	350	400	500	600
			m³/h	0	3	6	9	10.5	12	15	18	21	24	30	36	39
3(.)4 SERIES 32-125/0.25	0,33	0,25		5,7	5,5	4,7	3,5	2,8	-	-	-	-	-	-	-	-
3(.)4 SERIES 32-160/0.37R	0,5	0,37		7,3	7	6,2	5	4,2	-	-	-	-	-	-	-	-
3(.)4 SERIES 32-160/0.37	0,5	0,37		9	8,7	8,1	7	6,3	-	-	-	-	-	-	-	-
3(.)4 SERIES 32-200/0.55R	0,75	0,55		10,8	10,3	9,2	7,3	6,2	-	-	-	-	-	-	-	-
3(.)4 SERIES 32-200/0.55	0,75	0,55		12,5	12	11	9,2	8	-	-	-	-	-	-	-	-
3(.)4 SERIES 32-200/0.75	1	0,75		17,5	17,1	16,1	14,3	13,2	-	-	-	-	-	-	-	-
3(.)4 SERIES 40-125/0.37R	0,5	0,37		5,1	-	4,8	4,5	4,3	4	3,4	2,6	1,8	-	-	-	-
3(.)4 SERIES 40-125/0.37	0,5	0,37		6,5	-	6,3	6	5,8	5,5	4,9	4,2	3,4	-	-	-	-
3(.)4 SERIES 40-160/0.55R	0,75	0,55		7,7	-	7,3	6,9	6,6	6,3	5,7	5	4,3	-	-	-	-
3(.)4 SERIES 40-160/0.55	0,75	0,55		9,1	-	8,6	8,1	7,8	7,5	6,9	6,2	5,4	-	-	-	-
3(.)4 SERIES 40-200/1.1R	1,5	1,1		11,6	-	11,2	10,8	10,5	10,1	9,4	8,6	7,8	-	-	-	-
3(.)4 SERIES 40-200/1.1	1,5	1,1		13,6	-	13,2	12,7	12,4	12,1	11,4	10,6	9,6	-	-	-	-
3(.)4 SERIES 40-200/1.5	2	1,5		18	-	17,7	17,3	17,1	16,8	16,1	15,2	14,2	-	-	-	-
3(.)4 SERIES 50-125/0.55R	0,75	0,55		5,4	-	-	-	-	5,2	5	4,7	4,4	4	3,2	2,3	-
3(.)4 SERIES 50-125/0.55	0,75	0,55		6,4	-	-	-	-	6,2	6	5,7	5,4	5	4,2	3,3	-
3(.)4 SERIES 50-160/1.1R	1,5	1,1		8,2	-	-	-	-	7,8	7,6	7,2	6,9	6,4	5,5	4,5	4
3(.)4 SERIES 50-160/1.1	1,5	1,1		9,5	-	-	-	-	9,1	8,9	8,6	8,3	7,9	7	6	5,5
3(.)4 SERIES 50-200/1.5R	2	1,5		12,7	-	-	-	-	12,1	11,8	11,4	11	10,5	9,3	8	7,2
3(.)4 SERIES 50-200/1.5	2	1,5		14	-	-	-	-	13,3	13	12,7	12,2	11,8	10,6	9,2	8,4
3(.)4 SERIES 50-200/2.2	3	2,2		17,8	-	-	-	-	17,5	17,3	17	16,6	16,2	15,1	13,8	13,1

# 3(L)4 SERIES

Centrifugal pumps close coupled and standardized

**Selection table 3(.)4 SERIES 65-80**

**4 poles**

Model	HP	kW	Q=Flow rate															
			I/min	0	300	350	500	600	800	950	1000	1050	1100	1200	1300	1400	1600	1800
			m³/h	0	18	21	30	36	48	57	60	63	66	72	78	84	96	108
3(.)4 SERIES 65-125/0.55	0,75	0,55		5,3	4,8	4,6	4	3,5	2,3	1,4	-	-	-	-	-	-	-	-
3(.)4 SERIES 65-125/0.75	1	0,75		6,4	6	5,8	5,2	4,6	3,5	2,5	2,2	-	-	-	-	-	-	-
3(.)4 SERIES 65-125/1.1	1,5	1,1		7,7	7,2	7	6,3	5,7	4,5	3,5	3,2	2,8	-	-	-	-	-	-
3(.)4 SERIES 65-160/1.1	1,5	1,1		8,6	-	8,1	7,4	6,9	5,7	4,6	4,2	3,8	-	-	-	-	-	-
3(.)4 SERIES 65-160/1.5	2	1,5		9,7	-	9,2	8,5	8	6,7	5,7	5,3	4,9	4,5	-	-	-	-	-
3(.)4 SERIES 65-160/2.2	3	2,2		11,8	-	11,3	10,6	10,1	8,8	7,6	7,2	6,8	6,4	5,5	-	-	-	-
3(.)4 SERIES 65-200/2.2R	3	2,2		13	-	12,4	11,6	10,9	9,3	7,8	7,3	6,8	-	-	-	-	-	-
3(.)4 SERIES 65-200/2.2	3	2,2		14,5	-	13,9	13	12,4	10,8	9,3	8,8	8,3	7,8	-	-	-	-	-
3(.)4 SERIES 65-200/3	4	3		16,3	-	15,8	15,1	14,4	12,9	11,6	11,1	10,6	10,1	9	-	-	-	-
3L(.)4 SERIES 65-250/4	5,5	4		18,8	-	-	18,1	17,6	16,1	14,7	14,2	13,7	13	11,6	9,8	-	-	-
3L(.)4 SERIES 65-250/5.5	7,5	5,5		21,8	-	-	21,2	20,8	19,6	18,4	17,9	17,5	17	15,8	14,4	12,8	-	-
3L(.)4 SERIES 80-160/1.5	2	1,5		7,3	-	-	6,8	6,3	5,9	5,7	5,6	5,4	5	4,6	4,2	3,4	2,4	-
3L(.)4 SERIES 80-160/2.2R	3	2,2		8,6	-	-	8,1	7,8	7,4	7,3	7,1	7	6,7	6,4	6	5,2	4,2	3
3L(.)4 SERIES 80-160/2.2	3	2,2		9,5	-	-	-	9,1	8,8	8,4	8,3	8,2	8	7,8	7,4	7,1	6,2	5,2
3L(.)4 SERIES 80-200/3	4	3		12,4	-	-	-	12	11,5	10,9	10,7	10,4	10,2	9,7	9,2	8,6	7,3	5,9
3L(.)4 SERIES 80-200/4R	5,5	4		14,8	-	-	-	14,4	13,9	13,4	13,2	12,9	12,7	12,2	11,7	11,2	10,1	8,8
3L(.)4 SERIES 80-200/4	5,5	4		16,0	-	-	-	15,4	14,9	14,3	14,1	13,9	13,7	13,2	12,8	12,3	11,1	9,9
3L(.)4 SERIES 80-250/5.5R	7,5	5,5		18,5	-	-	-	17,7	17	16,3	16	15,7	15,4	14,6	13,8	12,9	10,7	8,4
3L(.)4 SERIES 80-250/5.5	7,5	5,5		21,2	-	-	-	20,5	19,9	19,1	18,9	18,6	18,2	17,6	16,8	15,9	13,8	11,7
3L(.)4 SERIES 80-250/7.5	10	7,5		24,5	-	-	-	24	23,4	22,8	22,5	22,2	21,9	21,3	20,6	19,8	18	15,9

# 3M(4) SERIES

## Centrifugal pumps in AISI 304 with standardized motor (EN 733)

Standardized centrifugal pumps with AISI 304 (EN 1.4301) 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.



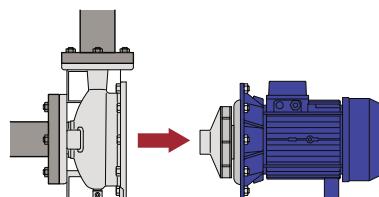
**Available for 3ME version**

	AISI 316
	Sturdy construction
	Volume obtained with hydro-forming process
	High performances



## Materials

Pump body	AISI 304 (EN 1.4301) stainless steel
Impeller	AISI 304 (EN 1.4301) stainless steel
Shaft	AISI 304 (EN 1.4301) stainless steel
Mechanical seal	Standard = Ceramic/Carbon/NBR H = Graphite/Ceramic/FPM HS = Silicon carbide/Silicon carbide/FPM HW = Tungsten carbide/Tungsten carbide/FPM HSW = Silicon carbide/Tungsten carbide/FPM E = Graphite/Ceramic/EPDM
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 (clear water)	-10°C ÷ +90°C for std version -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 1~230V ±10% Three phase 3~230/400V ±10% (up to 4kW included) Three phase 3~400/690V ±10% (from 5,5kW and above)

The pump does not have an internal motor protector, therefore overload protection must be provided by the user.

\* ATTENTION: Approximate temperature range referred to the limits of mechanical seal materials. For applications with special fluid, different from standard limits indicated in the specific series, please contact our Technical Customer Service.

## Accessories

	<b>Counterflanges kit</b> Page 447 - Galvanized, AISI 304 and AISI 316 counterflanges kit
	<b>Control systems</b> Page 426 - <b>E-SPD</b> Variable speed control systems Page 428 - <b>E-drive</b> Variable speed control systems
	Page 424 - <b>Control panels</b> SMART EVO 1-2, DIRECTO 1-2, STARDELTA 1-2

## Options

	<b>Mechanical seal</b> Page 458 - See all the available mechanical seal versions
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# 3M SERIES

Centrifugal pumps in AISI 304 with standardized motor



Single phase 230V							2 Poles	
Model	Code	HP	kW	Abs. Curr. [A] 230V		DNA	DNM	Weight [kg]
3M 32-125/1,1 M	1300200000	1,5	1,1	6,7		50	32	19,6
3M 32-160/1,5 M	1300202400	2	1,5	9,6		50	32	22,5
3M 32-160/2,2 M	1300300000	3	2,2	13,3		50	32	27,7
3M 40-125/1,5 M	1320370000	2	1,5	9,6		65	40	20,1
3M 40-125/2,2 M	1320270000	3	2,2	13,3		65	40	25,8
3M 50-125/2,2 M	1330500000	3	2,2	13,3		65	50	29,4

Pumps supplied without counterflanges, see counterflanges kit on page 447

Pumps available in AISI 316, see page 78

Three phase 230/400/690V							2 Poles		
Model	Code	HP	kW	Abs. Curr.		DNA	DNM	Weight [kg]	
				230V	400V				
3M/I 32-125/1,1	1300200004I	1,5	1,1	5,8	3,3	-	50	32	24,1
3M/I 32-160/1,5	1300202404I	2	1,5	5,8	3,3	-	50	32	27,0
3M/I 32-160/2,2	1300300004I	3	2,2	8,2	4,7	-	50	32	28,0
3M/I 32-200/3,0	1310402404I	4	3	11,1	6,4	-	50	32	35,1
3M/I 32-200/4,0	1310550004I	5,5	4	15,1	8,7	-	50	32	38,2
3M/I 32-200/5,5	1310750006I	7,5	5,5	-	10,6	6,1	50	32	52,2
3M/I 32-200/7,5	1310900004I	10	7,5	-	13,6	7,9	50	32	60,1
3M/I 40-125/1,5	1320370004I	2	1,5	5,8	3,3	-	65	40	24,6
3M/I 40-125/2,2	1320270004I	3	2,2	8,2	4,7	-	65	40	26,1
3M/I 40-160/3,0	1320402404I	4	3	11,1	6,4	-	65	40	26,6
3M/I 40-160/4,0	1320550004I	5,5	4	15,1	8,7	-	65	40	40,8
3M/I 40-200/5,5	1330752404I	7,5	5,5	-	10,6	6,1	65	40	52,5
3M/I 40-200/7,5	1330900004I	10	7,5	-	13,6	7,9	65	40	59,3
3M/I 40-200/11	1330910006I	15	11	-	21,3	12,3	65	40	69,6
3M/I 50-125/2,2	1330500004I	3	2,2	8,2	4,7	-	65	50	32,0
3M/I 50-125/3,0	1330550004I	4	3	11,1	6,4	-	65	50	30,9
3M/I 50-125/4,0	1330400004I	5,5	4	15,1	8,7	-	65	50	40,9
3M/I 50-160/5,5	1330900006I	7,5	5,5	-	10,6	6,1	65	50	46,5
3M/I 50-160/7,5	1330890006I	10	7,5	-	13,6	7,9	65	50	58,6
3M/I 50-200/9,2	1330970006I	12,5	9,2	-	17,2	10	65	50	63,9
3M/I 50-200/11	1330960006I	15	11	-	21,3	12,3	65	50	69,6
3M/I 50-200/15	1330980006I	20	15	-	30,0	17,3	65	50	105,1
3M/I 65-125/4,0	1344120004I	5,5	4	15,1	8,7	-	80	65	37,7
3M/I 65-125/5,5	1344130004I	7,5	5,5	-	10,6	6,1	80	65	48,7
3M/I 65-125/7,5	1344140004I	10	7,5	-	13,6	7,9	80	65	52,1
3M/I 65-160/7,5	1345140004I	10	7,5	-	13,6	7,9	80	65	55,3
3M/I 65-160/9,2	1345150004I	12,5	9,2	-	17,2	10	80	65	61,0
3M/I 65-160/11	1345160004I	15	11	-	21,3	12,3	80	65	67,4
3M/I 65-160/15	1345170004I	20	15	-	27,7	17,3	80	65	107,1
3M/I 65-200/15	1346170004I	20	15	-	27,7	17,3	80	65	110,1
3M/I 65-200/18,5	1346180004I	25	18,5	-	35	20,3	80	65	125,3
3M/I 65-200/22	1346190004I	30	22	-	39,7	23,6	80	65	136,1

Pumps supplied without counterflanges, see counterflanges kit on page 447

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

Pumps available in AISI 316, see page 78

# 3M4 SERIES

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



Model	Code	HP	kW	Abs. Curr.		DNA	DNM	Weight [kg]
				230V	[A]			
3M4 32-125/0,25	1270010004	0,33	0,25	1,9	1,1	50	32	15,0
3M4 32-160/0,37R	1279020004	0,5	0,37	2,6	1,5	50	32	19,7
3M4 32-160/0,37	1270020004	0,5	0,37	2,6	1,5	50	32	19,9
3M4 32-200/0,55R	1279030004	0,75	0,55	2,6	1,5	50	32	24,5
3M4 32-200/0,55	1270030004	0,75	0,55	2,6	1,5	50	32	24,5
3M4/I 32-200/0,75	1270050004I	1	0,75	4,6	2,7	50	32	28,1
3M4 40-125/0,37R	1289020004	0,5	0,37	1,9	1,1	65	40	15,6
3M4 40-125/0,37	1280020004	0,5	0,37	1,9	1,1	65	40	15,7
3M4 40-160/0,55R	1289030004	0,75	0,55	2,6	1,5	65	40	20,2
3M4 40-160/0,55	1280030004	0,75	0,55	2,6	1,5	65	40	20,6
3M4/I 40-200/1,1R	1289070004I	1,5	1,1	4,6	2,7	65	40	28,5
3M4/I 40-200/1,1	1280070004I	1,5	1,1	4,6	2,7	65	40	28,6
3M4/I 40-200/1,5	1280080004I	2	1,5	6,2	3,6	65	40	30,3
3M4 50-125/0,55R	1299030004	0,75	0,55	2,6	1,5	65	50	20,4
3M4 50-125/0,55	1290030004	0,75	0,55	2,6	1,5	65	50	20,5
3M4/I 50-160/1,1R	1299070004I	1,5	1,1	4,6	2,7	65	50	28,6
3M4/I 50-160/1,1	1290070004I	1,5	1,1	4,6	2,7	65	50	28,7
3M4/I 50-200/1,5R	1299080004I	2	1,5	6,2	3,6	65	50	30,5
3M4/I 50-200/1,5	1290080004I	2	1,5	6,2	3,6	65	50	31,6
3M4/I 50-200/2,2	1290100004I	3	2,2	7,8	4,5	65	50	30,0
3M4 65-125/0,55	1344030004	0,75	0,55	2,6	1,5	80	65	21,9
3M4/I 65-125/0,75	1344040004I	1	0,75	4,6	2,7	80	65	20,0
3M4/I 65-125/1,1	1344070004I	1,5	1,1	4,6	2,7	80	65	20,0
3M4/I 65-160/1,1	1345070004I	1,5	1,1	4,6	2,7	80	65	28,5
3M4/I 65-160/1,5	1345080004I	2	1,5	6,2	3,6	80	65	30,0
3M4/I 65-160/2,2	1345100004I	3	2,2	7,8	4,5	80	65	32,0
3M4/I 65-200/2,2 R	1346100104I	3	2,2	7,8	4,5	80	65	30,0
3M4/I 65-200/2,2	1346100004I	3	2,2	7,8	4,5	80	65	30,0
3M4/I 65-200/3,0	1346110004I	4	3	11,8	6,8	80	65	38,0

Pumps supplied without counterflanges, see counterflanges kit on page 447  
 "SCA" version with drain plug available with a 5% increase on the price list.  
 Pumps available in AISI 316, see page 78

# 3S(4) SERIES

## Centrifugal pumps in AISI 304 with standardized motor and rigid coupling (EN 733)

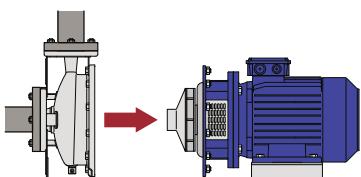
Standardized centrifugal pumps with AISI 304 (EN 1.4301) stainless steel construction. Suitable for supplying water in residential, commercial, agricultural and industrial systems, pressure boosting, firefighting, heating and air-conditioning systems. Also used for handling industrial liquids, irrigation, cooling towers, swimming pools, draining and washing systems.



	AISI 316
	Sturdy construction
	Volute obtained with hydro-forming process
	High performances

## Materials

Pump body	AISI 304 (EN 1.4301) stainless steel
Impeller	AISI 304 (EN 1.4301) stainless steel
Shaft	AISI 304 (EN 1.4301) stainless steel
Mechanical seal	Standard = Ceramic/Carbon/NBR H = Graphite/Ceramic/FPM HS = Silicon carbide/Silicon carbide/FPM HW = Tungsten carbide/Tungsten carbide/FPM HSW = Silicon carbide/Tungsten carbide/FPM E = Graphite/Ceramic/EPDM
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 (clear water)	-10°C ÷ +90°C for std version -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 3~230/400V ±10% (up to 4kW included) Three phase 3~400/690V ±10% (from 5,5kW and above)

The pump does not have an internal motor protector, therefore overload protection must be provided by the user.

\* ATTENTION: Approximate temperature range referred to the limits of mechanical seal materials. For applications with special fluid, different from standard limits indicated in the specific series, please contact our Technical Customer Service.

## Accessories

	<b>Counterflanges kit</b> Page 447 - Galvanized, AISI 304 and AISI 316 counterflanges kit
	<b>Control systems</b> Page 426 - <b>E-SPD</b> Variable speed control systems
	Page 428 - <b>E-drive</b> Variable speed control systems
	Page 424 - <b>Control panels</b> SMART EVO 1-2, DIRECTO 1-2, STARDELTA 1-2

## Options

	<b>Mechanical seal</b> Page 458 - See all the available mechanical seal versions
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## Standard Motors

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

# 3S SERIES

Centrifugal pumps in AISI 304 with standardized motor and rigid coupling



Model	Code	HP	kW	Abs. Curr.			DNA	DNM	Weight [kg]
				230V	[A] 400V	690V			
3S/I 32-125/1,1	1308200004I	1,5	1,1	4,2	2,4	-	50	32	24,7
3S/I 32-160/1,5	1308202404I	2	1,5	5,2	3,0	-	50	32	29,8
3S/I 32-160/2,2	1308300004I	3	2,2	8,0	4,6	-	50	32	32,4
3S/I 32-200/3,0	1318402404I	4	3	9,7	5,6	-	50	32	46,9
3S/I 32-200/4,0	1318550004I	5,5	4	12,1	7,0	-	50	32	49,0
3S/I 32-200/5,5	1318750006I	7,5	5,5	-	10,0	5,8	50	32	71,8
3S/I 32-200/7,5	1318750004I	10	7,5	-	13,1	7,6	50	32	87,0
3S/I 40-125/1,5	1328370004I	2	1,5	5,2	3,0	-	65	40	26,5
3S/I 40-125/2,2	1328270004I	3	2,2	8,0	4,6	-	65	40	29,6
3S/I 40-160/3,0	1328402404I	4	3	9,7	5,6	-	65	40	42,5
3S/I 40-160/4,0	1328550004I	5,5	4	12,1	7,0	-	65	40	44,6
3S/I 40-200/5,5	1338752404I	7,5	5,5	-	10,0	5,8	65	40	72,2
3S/I 40-200/7,5	1338900004I	10	7,5	-	13,1	7,6	65	40	82,0
3S/I 40-200/11,0	1338910006I	15	11	-	19,7	11,4	65	40	117,8
3S/I 50-125/2,2	1338200004I	3	2,2	8,0	4,6	-	65	50	32,9
3S/I 50-125/3,0	1338550004I	4	3	9,7	5,6	-	65	50	35,5
3S/I 50-125/4,0	1338400004I	5,5	4	12,1	7,0	-	65	50	45,6
3S/I 50-160/5,5	1338900006I	7,5	5,5	-	10,0	5,8	65	50	63,8
3S/I 50-160/7,5	1338890006I	10	7,5	-	13,1	7,6	65	50	91,0
3S/I 50-200/9,2	1338970006I	12,5	9,2	-	16,5	9,5	65	50	90,7
3S/I 50-200/11,0	1338960006I	15	11	-	19,7	11,4	65	50	117,8
3S/I 50-200/15,0	1338980006I	20	15	-	26,7	15,4	65	50	147,9
3S/I 65-125/4,0	1362120004I	5,5	4	12,1	7,0	-	80	65	50,1
3S/I 65-125/5,5	1362130004I	7,5	5,5	-	10,0	5,8	80	65	60,0
3S/I 65-125/7,5	1362140004I	10	7,5	-	13,1	7,6	80	65	79,4
3S/I 65-160/7,5	1363140004I	10	7,5	-	13,1	7,6	80	65	82,4
3S/I 65-160/9,2	1363150004I	12,5	9,2	-	16,5	9,5	80	65	88,0
3S/I 65-160/11,0	1363160004I	15	11	-	19,7	11,4	80	65	86,8
3S/I 65-160/15,0	1363170004I	20	15	-	26,7	15,4	80	65	120,9
3S/I 65-200/15,0	1364170004I	20	15	-	26,7	15,4	80	65	138,0
3S/I 65-200/18,5	1364180004I	25	18,5	-	33,0	19,1	80	65	137,0
3S/I 65-200/22,0	1364190004I	30	22	-	38,0	22,0	80	65	175,0

Pumps supplied without counterflanges, see counterflanges kit on page 447

"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 81

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

# 3S4 SERIES



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

Model	Code	HP	kW	Abs. Curr. [A]		DNA	DNM	Weight [kg]
				230V	400V			
3S4 32-125/0,25	1278010004	0,33	0,25	1,6	0,9	50	32	15,4
3S4 32-160/0,37R	1278020104	0,5	0,37	2,1	1,2	50	32	18,5
3S4 32-160/0,37	1278020004	0,5	0,37	2,1	1,2	50	32	18,7
3S4 32-200/0,55R	1278030104	0,75	0,55	2,8	1,6	50	32	28,0
3S4 32-200/0,55	1278030004	0,75	0,55	2,8	1,6	50	32	33,0
3S4/I 32-200/0,75	1278050004I	1	0,75	3,1	1,8	50	32	29,5
3S4 40-125/0,37R	1288020104	0,5	0,37	2,1	1,2	65	40	16,2
3S4 40-125/0,37	1288020004	0,5	0,37	2,1	1,2	65	40	16,2
3S4 40-160/0,55R	1288030104	0,75	0,55	2,8	1,6	65	40	23,5
3S4 40-160/0,55	1288030004	0,75	0,55	2,8	1,6	65	40	23,5
3S4/I 40-200/1,1R	1288070104I	1,5	1,1	4,3	2,5	65	40	32,1
3S4/I 40-200/1,1	1288070004I	1,5	1,1	4,3	2,5	65	40	32,1
3S4/I 40-200/1,5	1288080004I	2	1,5	6,2	3,6	65	40	32,9
3S4 50-125/0,55R	1298030104	0,75	0,55	2,8	1,6	65	50	23,7
3S4 50-125/0,55	1298030004	0,75	0,55	2,8	1,6	65	50	23,7
3S4/I 50-160/1,1R	1298070104I	1,5	1,1	4,3	2,5	65	50	31,8
3S4/I 50-160/1,1	1298070004I	1,5	1,1	4,3	2,5	65	50	31,8
3S4/I 50-200/1,5R	1298080104I	2	1,5	6,2	3,6	65	50	34,5
3S4/I 50-200/1,5	1298080004I	2	1,5	6,2	3,6	65	50	34,5
3S4/I 50-200/2,2	1298100004I	3	2,2	10,2	5,9	65	50	43,4
3S4 65-125/0,55	1362030004	0,75	0,55	2,8	1,6	80	65	21,5
3S4/I 65-125/0,75	1362040004I	1	0,75	3,1	1,8	80	65	30,0
3S4/I 65-125/1,1	1362070004I	1,5	1,1	4,3	2,5	80	65	27,8
3S4/I 65-160/1,1	1363070004I	1,5	1,1	4,3	2,5	80	65	28,8
3S4/I 65-160/1,5	1363080004I	2	1,5	6,2	3,6	80	65	40,4
3S4/I 65-160/2,2	1363100004I	3	2,2	10,2	5,9	80	65	46,4
3S4/I 65-200/2,2R	1364100104I	3	2,2	10,2	5,9	80	65	42,9
3S4/I 65-200/2,2	1364100004I	3	2,2	10,2	5,9	80	65	43,4
3S4/I 65-200/3,0	1364110004I	4	3	11,8	6,8	80	65	48,5

Pumps supplied without counterflanges, see counterflanges kit on page 447

"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 81

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

# 3P(4) SERIES

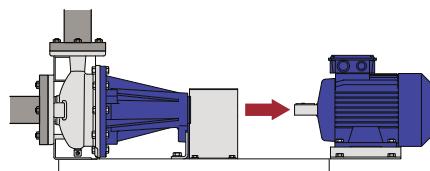
## Centrifugal pumps on base with standardized motor with flexible coupling in AISI 304 (EN 733)

Standardized centrifugal pumps with AISI 304 (EN 1.4301) 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 316Sturdy  
constructionVolute  
obtained with  
hydro-forming  
processHigh  
performances

## Materials

Pump body	AISI 304 (EN 1.4301) stainless steel
Impeller	AISI 304 (EN 1.4301) stainless steel
Shaft	AISI 304 (EN 1.4301) stainless steel
Mechanical seal	Standard = Ceramic/Carbon/NBR H = Graphite/Ceramic/FPM HS = Silicon carbide/Silicon carbide/FPM HW = Tungsten carbide/Tungsten carbide/FPM HSW = Silicon carbide/Tungsten carbide/FPM E = Graphite/Ceramic/EPDM
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 version -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 3~230/400V ±10% (up to 4kW included) Three phase 3~400/690V ±10% (from 5,5kW and above)

The pump does not have an internal motor protector, therefore overload protection must be provided by the user.

\* ATTENTION: Approximate temperature range referred to the limits of mechanical seal materials. For applications with special fluid, different from standard limits indicated in the specific series, please contact our Technical Customer Service.

## Accessories



### Counterflanges kit

Page 447 - Galvanized, AISI 304 and AISI 316 counterflanges kit



### Control systems

Page 426 - **E-SPD**  
Variable speed control systems

Page 428 - **E-drive**  
Variable speed control systems

Page 424 - **Control panels**  
SMART EVO 1-2, DIRECTO 1-2,  
STARDELTA 1-2

## Options



### Mechanical seal

Page 458 - See all the available mechanical seal versions

## Standard Motors

IEC Standard motor is used.

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

# 3P SERIES



TIPO  
prodotto conforme  
D.M. 174/2004



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

Model	Code	HP	kW	Abs. Curr.			DNA	DNM	Weight [kg]
				230V	[A] 400V	690V			
3P/I 32-125/1,1	1848070004I	1,5	1,1	4,2	2,4	-	50	32	46,7
3P/I 32-160/1,5	1848080004I	2	1,5	5,2	3,0	-	50	32	52,3
3P/I 32-160/2,2	1848100004I	3	2,2	8,0	4,6	-	50	32	53,5
3P/I 32-200/3,0	1848110004I	4	3	9,7	5,6	-	50	32	71,5
3P/I 32-200/4,0	1848120004I	5,5	4	12,1	7,0	-	50	32	75,1
3P/I 32-200/5,5	1848130004I	7,5	5,5	-	10,0	5,8	50	32	97,0
3P/I 32-200/7,5	1848140004I	10	7,5	-	13,1	7,6	50	32	112,2
3P/I 40-125/1,5	1858080004I	2	1,5	5,2	3,0	-	65	40	49,8
3P/I 40-125/2,2	1858100004I	3	2,2	8,0	4,6	-	65	40	51,0
3P/I 40-160/3,0	1858110004I	4	3	9,7	5,6	-	65	40	81,0
3P/I 40-160/4,0	1858120004I	5,5	4	12,1	7,0	-	65	40	67,6
3P/I 40-200/5,5	1858130004I	7,5	5,5	-	10,0	5,8	65	40	98,0
3P/I 40-200/7,5	1858140004I	10	7,5	-	13,1	7,6	65	40	106,9
3P/I 40-200/11,0	1858160004I	15	11	-	19,7	11,4	65	40	127,8
3P/I 50-125/2,2	1868090004I	3	2,2	8,0	4,6	-	65	50	75,0
3P/I 50-125/3,0	1868110004I	4	3	9,7	5,6	-	65	50	82,5
3P/I 50-125/4,0	1868120004I	5,5	4	12,1	7,0	-	65	50	84,6
3P/I 50-160/5,5	1868130004I	7,5	5,5	-	10,0	5,8	65	50	98,0
3P/I 50-160/7,5	1868140004I	10	7,5	-	13,1	7,6	65	50	106,9
3P/I 50-200/9,2	1868150004I	12,5	9,2	-	16,5	9,5	65	50	111,0
3P/I 50-200/11,0	1868160004I	15	11	-	19,7	11,4	65	50	128,3
3P/I 50-200/15,0	1868170004I	20	15	-	26,7	15,4	65	50	135,4
3P/I 65-125/4,0	1872120004I	5,5	4	12,1	7,0	-	80	65	85,1
3P/I 65-125/5,5	1872130004I	7,5	5,5	-	10,0	5,8	80	65	99,0
3P/I 65-125/7,5	1872140004I	10	7,5	-	13,1	7,6	80	65	109,4
3P/I 65-160/7,5	1872240004I	10	7,5	-	13,1	7,6	80	65	115,4
3P/I 65-160/9,2	1872150004I	12,5	9,2	-	16,5	9,5	80	65	118,0
3P/I 65-160/11,0	1872160004I	15	11	-	19,7	11,4	80	65	124,8
3P/I 65-160/15,0	1872170004I	20	15	-	26,7	15,4	80	65	129,0
3P/I 65-200/15,0	1872270004I	20	15	-	26,7	15,4	80	65	137,0
3P/I 65-200/18,5	1872180004I	25	18,5	-	33,0	19,1	80	65	135,2
3P/I 65-200/22,0	1872190004I	30	22	-	38,0	22,0	80	65	189,0

Pumps supplied without counterflanges, see counterflanges kit on page 447

Pumps available in AISI 316, see page 84

# 3P4 SERIES

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



Model	Code	HP	kW	Abs. Curr.		DNA	DNM	Weight [kg]
				230V	[A] 400V			
3P4 32-125/0,25	1848010004	0,33	0,25	1,6	0,9	50	32	37,0
3P4 32-160/0,37R	1849020004	0,5	0,37	2,1	1,2	50	32	41,0
3P4 32-160/0,37	1848020004	0,5	0,37	2,1	1,2	50	32	41,0
3P4 32-200/0,55R	1849030004	0,75	0,55	2,8	1,6	50	32	53,5
3P4 32-200/0,55	1848030004	0,75	0,55	2,8	1,6	50	32	53,5
3P4/I 32-200/0,75	1848050004I	1	0,75	3,1	1,8	50	32	54,5
3P4 40-125/0,37R	1859020004	0,5	0,37	2,1	1,2	65	40	46,5
3P4 40-125/0,37	1858020004	0,5	0,37	2,1	1,2	65	40	46,5
3P4 40-160/0,55R	1859030004	0,75	0,55	2,8	1,6	65	40	44,5
3P4 40-160/0,55	1858030004	0,75	0,55	2,8	1,6	65	40	44,5
3P4/I 40-200/1,1R	1859070004I	1,5	1,1	4,3	2,5	65	40	59,3
3P4/I 40-200/1,1	1858070004I	1,5	1,1	4,3	2,5	65	40	59,3
3P4/I 40-200/1,5	1859080004I	2	1,5	6,2	3,6	65	40	61,4
3P4 50-125/0,55R	1869030004	0,75	0,55	2,8	1,6	65	50	45,0
3P4 50-125/0,55	1868030004	0,75	0,55	2,8	1,6	65	50	45,0
3P4/I 50-160/1,1R	1869070004I	1,5	1,1	4,3	2,5	65	50	50,3
3P4/I 50-160/1,1	1868070004I	1,5	1,1	4,3	2,5	65	50	50,3
3P4/I 50-200/1,5R	1869080004I	2	1,5	6,2	3,6	65	50	61,4
3P4/I 50-200/1,5	1868080004I	2	1,5	6,2	3,6	65	50	61,4
3P4/I 50-200/2,2	1868100004I	3	2,2	10,2	5,9	65	50	70,4
3P4 65-125/0,55	1878430004	0,75	0,55	2,8	1,6	80	65	48,5
3P4/I 65-125/0,75	1878450004I	1	0,75	3,1	1,8	80	65	48,5
3P4/I 65-125/1,1	1878470004I	1,5	1,1	4,3	2,5	80	65	53,8
3P4/I 65-160/1,1	1877470004I	1,5	1,1	4,3	2,5	80	65	60,3
3P4/I 65-160/1,5	1877480004I	2	1,5	6,2	3,6	80	65	60,9
3P4/I 65-160/2,2	1877500004I	3	2,2	10,2	5,9	80	65	71,9
3P4/I 65-200/2,2R	1876500104I	3	2,2	10,2	5,9	80	65	74,4
3P4/I 65-200/2,2	1876500004I	3	2,2	10,2	5,9	80	65	74,4
3P4/I 65-200/3,0	1876510004I	4	3	11,8	6,8	80	65	77,5

Pumps supplied without counterflanges, see counterflanges kit on page 447

Pumps available in AISI 316, see page 84

# 3PF(4) SERIES

## Centrifugal pumps in AISI 304 (hydraulic only) (EN 733)



Available in AISI 316



Sturdy construction



Volute obtained with hydro-forming process



High performances

### Technical data

<b>Max. working pressure</b>	10 bar
<b>Max. temperature of the liquid (clear water)</b>	-10°C ÷ +90°C for std version -10°C ÷ +110°C for H, HS, HW, HSW versions -20°C ÷ +120°C for E version
<b>MEI</b>	> 0,4
<b>Poles</b>	2 and 4
<b>Protection degree</b>	IP55

\* ATTENTION: Approximate temperature range referred to the limits of mechanical seal materials. For applications with special fluid, different from standard limits indicated in the specific series, please contact our Technical Customer Service.

### Materials

<b>Pump body</b>	AISI 304 (EN 1.4301) stainless steel
<b>Impeller</b>	AISI 304 (EN 1.4301) stainless steel
<b>Shaft</b>	AISI 304 (EN 1.4301) stainless steel
<b>Mechanical seal</b>	Standard = Ceramic/Carbon/NBR H = Graphite/Ceramic/FPM HS = Silicon carbide/Silicon carbide/FPM HW = Tungsten carbide/Tungsten carbide/FPM HSW = Silicon carbide/Tungsten carbide/FPM E = Graphite/Ceramic/EPDM

### Accessories

	<b>Counterflanges kit</b> Page 447 - Galvanized, AISI 304 and AISI 316 counterflanges kit
	<b>Control systems</b> Page 426 - <b>E-SPD</b> Variable speed control systems
	Page 428 - <b>E-drive</b> Variable speed control systems
	Page 424 - <b>Control panels</b> SMART EVO 1-2, DIRECTO 1-2, STARDELTA 1-2

### Options

	<b>Mechanical seal</b> Page 458 - See all the available mechanical seal versions
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# 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 447  
 Pumps available in AISI 316, see page 87

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 447  
 Pumps available in AISI 316, see page 87

# 3LM(4) SERIES

## Centrifugal pumps in AISI 316 with standardized motor (EN 733)

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

AISI 316L (EN 1.4404)

**Pump body** AISI 316 (EN 1.4401) microcasted steel for 3L SERIES 65-250 80-160/200/250

AISI 316L (EN 1.4404) for 3L SERIES 32, 45, 50

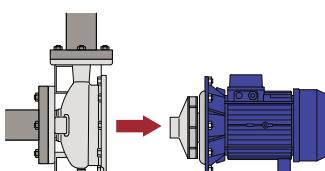
**Impeller** AISI 316 (EN 1.4401) microcasted steel for 3L SERIES 65, 80

**Shaft** AISI 316L (EN 1.4404) stainless steel

Standard = Silicon carbide/Silicon carbide/FPM  
H = Graphite/Ceramic/FPM

**Mechanical seal** HW = Tungsten carbide/Tungsten carbide/FPM  
HSW = Silicon carbide/Tungsten carbide/FPM  
E = Graphite/Ceramic/EPDM  
ES = Silicon carbide/Carbon/EPDM

**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 (clear water)** -10°C ÷ +110°C for std, H-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 1~230V ±10%  
Three phase 3~230/400V ±10%  
(up to 4kW included)  
Three phase 3~400/690V ±10%  
(from 5,5kW and above)

The pump does not have an internal motor protector, therefore overload protection must be provided by the user.

\* **ATTENTION:** Approximate temperature range referred to the limits of mechanical seal materials. For applications with special fluid, different from standard limits indicated in the specific series, please contact our Technical Customer Service.

## Accessories



### Counterflanges kit

Page 447 - Galvanized, AISI 304 and AISI 316 counterflanges kit



### Control systems

Page 426 - E-SPD  
Variable speed control systems

Page 428 - E-drive  
Variable speed control systems

Page 424 - Control panels

SMART EVO 1-2, DIRECTO 1-2,  
STARDELTA 1-2

## Options



### Mechanical seal

Page 458 - See all the available mechanical seal versions

# 3LM SERIES

Centrifugal pumps in AISI 316 with standardized motor



## Single phase 230V 2 Poles

Model	Code	HP	kW	Abs. Curr. [A] 230V	DNA	DNM	Weight [kg]
3LM 32-125/1,1M	1302200000	1,5	1,1	6,7	50	32	19,6
3LM 32-160/1,5M	1302202400	2	1,5	9,6	50	32	22,5
3LM 32-160/2,2M	1302300000	3	2,2	13,3	50	32	27,7
3LM 40-125/1,5M	1322370000	2	1,5	9,6	65	40	20,1
3LM 40-125/2,2M	1322270000	3	2,2	13,3	65	40	25,8
3LM 50-125/2,2M	1332500000	3	2,2	13,3	65	50	29,4

Pumps supplied without counterflanges, see counterflanges kit on page 447

## Three phase 230/400/690V 2 Poles

Model	Code	HP	kW	Abs. Curr. [A]			DNA	DNM	Weight [kg]
				230V	400V	690V			
3LM/I 32-125/1,1	1302200004I	1,5	1,1	5,8	3,3	-	50	32	24,1
3LM/I 32-160/1,5	1302202404I	2	1,5	5,8	3,3	-	50	32	27,0
3LM/I 32-160/2,2	1302300004I	3	2,2	8,2	4,7	-	50	32	28,0
3LM/I 32-200/3,0	1312402404I	4	3	11,1	6,4	-	50	32	35,1
3LM/I 32-200/4,0	1312550004I	5,5	4	15,1	8,7	-	50	32	38,2
3LM/I 32-200/5,5	1312750006I	7,5	5,5	-	10,6	6,1	50	32	52,2
3LM/I 32-200/7,5	1312900004I	10	7,5	-	13,6	7,9	50	32	60,1
3LM/I 40-125/1,5	1322370004I	2	1,5	5,8	3,3	-	65	40	24,6
3LM/I 40-125/2,2	1322270004I	3	2,2	8,2	4,7	-	65	40	26,1
3LM/I 40-160/3,0	1322402404I	4	3	11,1	6,4	-	65	40	26,6
3LM/I 40-160/4,0	1322550004I	5,5	4	15,1	8,7	-	65	40	40,8
3LM/I 40-200/5,5	1332752404I	7,5	5,5	-	10,6	6,1	65	40	52,5
3LM/I 40-200/7,5	1332900004I	10	7,5	-	13,6	7,9	65	40	59,3
3LM/I 40-200/11,0	1332910006I	15	11	-	21,3	12,3	65	40	69,6
3LM/I 50-125/2,2	1332500004I	3	2,2	8,2	4,7	-	65	50	32,0
3LM/I 50-125/3,0	1332550004I	4	3	11,1	6,4	-	65	50	30,9
3LM/I 50-125/4,0	1332400004I	5,5	4	15,1	8,7	-	65	50	40,9
3LM/I 50-160/5,5	1332900006I	7,5	5,5	-	10,6	6,1	65	50	46,5
3LM/I 50-160/7,5	1332890006I	10	7,5	-	13,6	7,9	65	50	58,6
3LM/I 50-200/9,2	1332970006I	12,5	9,2	-	17,2	10	65	50	63,9
3LM/I 50-200/11,0	1332960006I	15	11	-	21,3	12,3	65	50	69,6
3LM/I 50-200/15,0	1332980006I	20	15	-	30,0	17,3	65	50	105,1
3LM/I 65-125/4,0	1347120004I	5,5	4	15,1	8,7	-	80	65	37,7
3LM/I 65-125/5,5	1347130004I	7,5	5,5	-	10,6	6,1	80	65	48,7
3LM/I 65-125/7,5	1347140004I	10	7,5	-	13,6	7,9	80	65	52,1
3LM/I 65-160/7,5	1348140004I	10	7,5	-	13,6	7,9	80	65	55,3
3LM/I 65-160/9,2	1348150004I	12,5	9,2	-	17,2	10	80	65	61,0
3LM/I 65-160/11,0	1348160004I	15	11	-	21,3	12,3	80	65	67,4
3LM/I 65-160/15,0	1348170004I	20	15	-	27,7	17,3	80	65	107,1
3LM/I 65-200/15,0	1349170004I	20	15	-	27,7	17,3	80	65	110,1
3LM/I 65-200/18,5	1349180004I	25	18,5	-	35,0	20,3	80	65	125,3
3LM/I 65-200/22,0	1349190004I	30	22	-	39,7	23,6	80	65	136,1
3LM/I 80-160/11,0	1393160104I	15	11	-	21,3	12,3	100	80	100,0
3LM/I 80-160/15R	1393260104I	20	15	-	27,7	17,3	100	80	130,1
3LM/I 80-160/15,0	1393170104I	20	15	-	27,7	17,3	100	80	131,1
3LM/I 80-160/18,5	1393180104I	25	18,5	-	35,0	20,3	100	80	145,3

Pumps supplied without counterflanges, see counterflanges kit on page 447

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

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

# 3LM4 SERIES

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

Model	Code	HP	kW	Abs. Curr.			DNA	DNM	Weight [kg]
				230V	400V	690V			
3LM4 32-125/0,25	1273010004	0,33	0,25	1,9	1,1	-	50	32	15,0
3LM4 32-160/0,37R	1274020004	0,5	0,37	2,6	1,5	-	50	32	19,7
3LM4 32-160/0,37	1273020004	0,5	0,37	2,6	1,5	-	50	32	19,9
3LM4 32-200/0,55R	1274030004	0,75	0,55	2,6	1,5	-	50	32	24,5
3LM4 32-200/0,55	1273030004	0,75	0,55	2,6	1,5	-	50	32	24,5
3LM4/I 32-200/0,75	1273050004I	1	0,75	4,6	2,7	-	50	32	28,1
3LM4 40-125/0,37R	1284020004	0,5	0,37	1,9	1,1	-	65	40	15,6
3LM4 40-125/0,37	1283020004	0,5	0,37	1,9	1,1	-	65	40	15,7
3LM4 40-160/0,55R	1284030004	0,75	0,55	2,6	1,5	-	65	40	20,2
3LM4 40-160/0,55	1283030004	0,75	0,55	2,6	1,5	-	65	40	20,6
3LM4/I 40-200/1,1R	1284070004I	1,5	1,1	4,6	2,7	-	65	40	28,5
3LM4/I 40-200/1,1	1283070004I	1,5	1,1	4,6	2,7	-	65	40	28,6
3LM4/I 40-200/1,5	1283080004I	2	1,5	6,2	3,6	-	65	40	30,3
3LM4 50-125/0,55R	1294030004	0,75	0,55	2,6	1,5	-	65	50	20,4
3LM4 50-125/0,55	1293030004	0,75	0,55	2,6	1,5	-	65	50	20,5
3LM4/I 50-160/1,1R	1294070004I	1,5	1,1	4,6	2,7	-	65	50	28,6
3LM4/I 50-160/1,1	1293070004I	1,5	1,1	4,6	2,7	-	65	50	28,7
3LM4/I 50-200/1,5R	1294080004I	2	1,5	6,2	3,6	-	65	50	30,5
3LM4/I 50-200/1,5	1293080004I	2	1,5	6,2	3,6	-	65	50	31,6
3LM4/I 50-200/2,2	1294010004I	3	2,2	7,8	4,5	-	65	50	30,0
3LM4 65-125/0,55	1341330004	0,75	0,55	2,6	1,5	-	80	65	21,9
3LM4/I 65-125/0,75	1341340004I	1	0,75	4,6	2,7	-	80	65	20,0
3LM4/I 65-125/1,1	1341370004I	1,5	1,1	4,6	2,7	-	80	65	20,0
3LM4/I 65-160/1,1	1342370004I	1,5	1,1	4,6	2,7	-	80	65	28,5
3LM4/I 65-160/1,5	1342380004I	2	1,5	6,2	3,6	-	80	65	30,0
3LM4/I 65-160/2,2	1342400004I	3	2,2	7,8	4,5	-	80	65	32,0
3LM4/I 65-200/2,2R	1343300104I	3	2,2	7,8	4,5	-	80	65	30,0
3LM4/I 65-200/2,2	1343300004I	3	2,2	7,8	4,5	-	80	65	30,0
3LM4/I 65-200/3,0	1343310004I	4	3	11,8	6,8	-	80	65	38,0
3LM4/I 65-250/4,0	1392120104I	5,5	4	14,4	8,3	-	80	65	81,0
3LM4/I 65-250/5,5	1392130104I	7,5	5,5	-	10,9	6,3	100	80	96,0
3LM4/I 80-160/1,5	1393080104I	2	1,5	6,2	3,6	-	100	80	53,0
3LM4/I 80-160/2,2R	1393900104I	3	2,2	7,8	4,5	-	100	80	53,0
3LM4/I 80-160/2,2	1393100104I	3	2,2	7,8	4,5	-	100	80	53,0
3LM4/I 80-200/3,0	1394110104I	4	3	11,8	6,8	-	100	80	73,0
3LM4/I 80-200/4,0R	1396130104I	5,5	4	14,4	8,3	-	100	80	80,0
3LM4/I 80-200/4,0	1394120104I	5,5	4	14,4	8,3	-	100	80	81,0
3LM4/I 80-250/5,5R	1394900104I	7,5	5,5	-	10,9	6,3	100	80	94,0
3LM4/I 80-250/5,5	1394130104I	7,5	5,5	-	10,9	6,3	100	80	95,0
3LM4/I 80-250/7,5	1394140104I	10	7,5	-	15,3	8,8	100	80	119,0

Pumps supplied without counterflanges, see counterflanges kit on page 447  
3L SERIES 65-250 and 3L SERIES 80 in microcasted steel

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



## Z version available 3LMZ SERIES

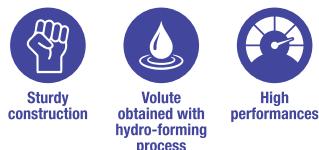
Version with the casing body without the support foot and with a new foot directly mounted to the motor bracket.

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.

# 3LS(4) SERIES

## Centrifugal pumps in AISI 316 with standardized motor and rigid coupling (EN 733)

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.



## Materials

AISI 316L (EN 1.4404)

**Pump body** AISI 316 (EN 1.4401) microcasted steel for 3L SERIES 65-250, 80-160/200/250

AISI 316L (EN 1.4404) for 3L SERIES 32, 45, 50

**Impeller** AISI 316 (EN 1.4401) microcasted steel for 3L SERIES 65, 80

AISI 316L (EN 1.4404) stainless steel

**Shaft** Duplex stainless steel for 3L SERIES 65-250, 80-200/30, 80-200/37, 80-250

Standard = Silicon carbide/Silicon carbide/FPM

H = Graphite/Ceramic/FPM

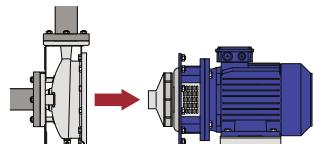
**Mechanical seal** HW = Tungsten carbide/Tungsten carbide/FPM

HSW = Silicon carbide/Tungsten carbide/FPM

E = Graphite/Ceramic/EPDM

ES = Silicon carbide/Carbon/EPDM

**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

<b>Max. working pressure</b>	10 bar
<b>Max. temperature of the liquid (clear water)</b>	-10°C ÷ +110°C for std, H-HW-HSW, versions -20°C ÷ +120°C for E, ES versions
<b>MEI</b>	> 0,4
<b>Poles</b>	2 and 4
<b>Insulation class</b>	F
<b>Protection degree</b>	IP55
<b>Voltage</b>	Three phase 3~230/400V ±10% (up to 4kW included) Three phase 3~400/690V ±10% (from 5,5kW and above)

The pump does not have an internal motor protector, therefore overload protection must be provided by the user.

\* **ATTENTION:** Approximate temperature range referred to the limits of mechanical seal materials. For applications with special fluid, different from standard limits indicated in the specific series, please contact our Technical Customer Service.

## Accessories



### Counterflanges kit

Page 447 - **Galvanized, AISI 304 and AISI 316 counterflanges kit**



### Control systems

Page 426 - **E-SPD**

Variable speed control systems

Page 428 - **E-drive**

Variable speed control systems

Page 424 - **Control panels**

SMART EVO 1-2, DIRECTO 1-2, STARDELTA 1-2

## Options



### Mechanical seal

Page 458 - **See all the available mechanical seal versions**

## Standard Motors

IEC Standard motor is used.

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

# 3LS SERIES



EuP/ErP

CE

Centrifugal pumps in AISI 316 with standardized motor and rigid coupling

Model	Code	HP	kW	Abs. Curr.			DNA	DNM	Weight [kg]
				230V	400V	690V			
3LS/I 32-125/1,1	1307200004I	1,5	1,1	4,2	2,4	-	50	32	24,7
3LS/I 32-160/1,5	1307202404I	2	1,5	5,2	3	-	50	32	29,8
3LS/I 32-160/2,2	1307300004I	3	2,2	8	4,6	-	50	32	32,4
3LS/I 32-200/3,0	1317402404I	4	3	9,7	5,6	-	50	32	46,9
3LS/I 32-200/4,0	1317550004I	5,5	4	12,1	7	-	50	32	49,0
3LS/I 32-200/5,5	1317750006I	7,5	5,5	-	10	5,8	50	32	71,8
3LS/I 32-200/7,5	1317750004I	10	7,5	-	13,1	7,6	50	32	87,0
3LS/I 40-125/1,5	1327370004I	2	1,5	5,2	3	-	65	40	26,5
3LS/I 40-125/2,2	1327270004I	3	2,2	8,0	4,6	-	65	40	29,6
3LS/I 40-160/3,0	1327402404I	4	3	9,7	5,6	-	65	40	42,5
3LS/I 40-160/4,0	1327550004I	5,5	4	12,1	7	-	65	40	44,6
3LS/I 40-200/5,5	1337752404I	7,5	5,5	-	10	5,8	65	40	72,2
3LS/I 40-200/7,5	1337900004I	10	7,5	-	13,1	7,6	65	40	82,0
3LS/I 40-200/11,0	1337910006I	15	11	-	19,7	11,4	65	40	117,8
3LS/I 50-125/2,2	1337200004I	3	2,2	8,0	4,6	-	65	50	32,9
3LS/I 50-125/3,0	1337550004I	4	3	9,7	5,6	-	65	50	35,5
3LS/I 50-125/4,0	1337400004I	5,5	4	12,1	7	-	65	50	45,6
3LS/I 50-160/5,5	1337900006I	7,5	5,5	-	10	5,8	65	50	63,8
3LS/I 50-160/7,5	1337890006I	10	7,5	-	13,1	7,6	65	50	91,0
3LS/I 50-200/9,2	1337970006I	12,5	9,2	-	16,5	9,5	65	50	90,7
3LS/I 50-200/11,0	1337960006I	15	11	-	19,7	11,4	65	50	117,8
3LS/I 50-200/15,0	1337980006I	20	15	-	26,7	15,4	65	50	147,9
3LS/I 65-125/4,0	1365120004I	5,5	4	12,1	7	-	80	65	50,1
3LS/I 65-125/5,5	1365130004I	7,5	5,5	-	10	5,8	80	65	60,0
3LS/I 65-125/7,5	1365140004I	10	7,5	-	13,1	7,6	80	65	79,4
3LS/I 65-160/7,5	1366140004I	10	7,5	-	13,1	7,6	80	65	82,4
3LS/I 65-160/9,2	1366150004I	12,5	9,2	-	16,5	9,5	80	65	88,0
3LS/I 65-160/11	1366160004I	15	11	-	19,7	11,4	80	65	86,8
3LS/I 65-160/15	1366170004I	20	15	-	26,7	15,4	80	65	120,9
3LS/I 65-200/15	1367170004I	20	15	-	26,7	15,4	80	65	138,0
3LS/I 65-200/18,5	1367180004I	25	18,5	-	33	19,1	80	65	137,0
3LS/I 65-200/22	1367190004I	30	22	-	38	22	80	65	175,0
3LS/I 65-250/30	1395200104I	40	30	-	51,8	30	80	65	303,0
3LS/I 65-250/37	1395250104I	50	37	-	62,5	36	80	65	320,0
3LS/I 80-160/11	1396160104I	15	11	-	19,7	11,4	100	80	145,8
3LS/I 80-160/15R	1396150104I	20	15	-	26,7	15,4	100	80	157,0
3LS/I 80-160/15	1396170104I	20	15	-	26,7	15,4	100	80	157,0
3LS/I 80-160/18,5	1396180104I	25	18,5	-	33	19,1	100	80	151,2
3LS/I 80-200/22	1397190104I	30	22	-	38	22	100	80	207,0
3LS/I 80-200/30	1397200104I	40	30	-	51,8	30	100	80	306,0
3LS/I 80-200/37	1397250104I	50	37	-	62,5	36	100	80	325,0
3LS/I 80-250/37	1398250104I	50	37	-	62,5	36	100	80	335,0
3LS/I 80-250/45	1398300104I	60	45	-	74,5	43	100	80	401,0
3LS/I 80-250/55	1398350104I	75	55	-	93,5	54	100	80	489,0

Pumps supplied without counterflanges, see counterflanges kit on page 447

"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.

3L SERIES 65-250 and 3L 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

# 3LS4 SERIES



EuP/ERP

CE

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

Model	Code	HP	kW	Abs. Curr. [A]			DNA	DNM	Weight [kg]
				230V	400V	690V			
3LS4 32-125/0,25	1277010004	0,33	0,25	1,6	0,9	-	50	32	15,4
3LS4 32-160/0,37R	1277020104	0,5	0,37	2,1	1,2	-	50	32	18,5
3LS4 32-160/0,37	1277020004	0,5	0,37	2,1	1,2	-	50	32	18,7
3LS4 32-200/0,55R	1277030104	0,75	0,55	2,8	1,6	-	50	32	28,0
3LS4 32-200/0,55	1277030004	0,75	0,55	2,8	1,6	-	50	32	33,0
3LS4/I 32-200/0,75	1277050004I	1	0,75	3,1	1,8	-	50	32	29,5
3LS4 40-125/0,37R	1287020104	0,5	0,37	2,1	1,2	-	65	40	16,2
3LS4 40-125/0,37	1287020004	0,5	0,37	2,1	1,2	-	65	40	16,2
3LS4 40-160/0,55R	1287030104	0,75	0,55	2,8	1,6	-	65	40	23,5
3LS4 40-160/0,55	1287030004	0,75	0,55	2,8	1,6	-	65	40	23,5
3LS4/I 40-200/1,1R	1287070104I	1,5	1,1	4,3	2,5	-	65	40	32,1
3LS4/I 40-200/1,1	1287070004I	1,5	1,1	4,3	2,5	-	65	40	32,1
3LS4/I 40-200/1,5	1287080004I	2	1,5	6,2	3,6	-	65	40	32,9
3LS4 50-125/0,55R	1297030104	0,75	0,55	2,8	1,6	-	65	50	23,7
3LS4 50-125/0,55	1297030004	0,75	0,55	2,8	1,6	-	65	50	23,7
3LS4/I 50-160/1,1R	1297070104I	1,5	1,1	4,3	2,5	-	65	50	31,8
3LS4/I 50-160/1,1	1297070004I	1,5	1,1	4,3	2,5	-	65	50	31,8
3LS4/I 50-200/1,5R	1297080104I	2	1,5	6,2	3,6	-	65	50	34,5
3LS4/I 50-200/1,5	1297080004I	2	1,5	6,2	3,6	-	65	50	34,5
3LS4/I 50-200/2,2	1297100004I	3	2,2	10,2	5,9	-	65	50	43,4
3LS4 65-125/0,55	1351330004	0,75	0,55	2,8	1,6	-	80	65	21,5
3LS4/I 65-125/0,75	1351340004I	1	0,75	3,1	1,8	-	80	65	30,0
3LS4/I 65-125/1,1	1351370004I	1,5	1,1	4,3	2,5	-	80	65	27,8
3LS4/I 65-160/1,1	1352370004I	1,5	1,1	4,3	2,5	-	80	65	28,8
3LS4/I 65-160/1,5	1352380004I	2	1,5	6,2	3,6	-	80	65	40,4
3LS4/I 65-160/2,2	1352400004I	3	2,2	10,2	5,9	-	80	65	46,4
3LS4/I 65-200/2,2R	1353400104I	3	2,2	10,2	5,9	-	80	65	42,9
3LS4/I 65-200/2,2	1353400004I	3	2,2	10,2	5,9	-	80	65	43,4
3LS4/I 65-200/3,0	1353420004I	4	3	11,8	6,8	-	80	65	48,5
3LS4/I 65-250/4,0	1395120104I	5,5	4	14,2	8,2	-	80	65	90,6
3LS4/I 65-250/5,5	1395130104I	7,5	5,5	-	10,6	6,1	100	80	118,0
3LS4/I 80-160/1,5	1396080104I	2	1,5	6,2	3,6	-	100	80	57,9
3LS4/I 80-160/2,2R	1396900104I	3	2,2	10,2	5,9	-	100	80	70,1
3LS4/I 80-160/2,2	1396100104I	3	2,2	10,2	5,9	-	100	80	70,4
3LS4/I 80-200/3,0	1397110104I	4	3	11,8	6,8	-	100	80	80,0
3LS4/I 80-200/4R	1397130104I	5,5	4	14,2	8,2	-	100	80	89,6
3LS4/I 80-200/4,0	1397120104I	5,5	4	14,2	8,2	-	100	80	95,6
3LS4/I 80-250/5,5R	1398900104I	7,5	5,5	-	10,6	6,1	100	80	124,0
3LS4/I 80-250/5,5	1398130104I	7,5	5,5	-	10,6	6,1	100	80	125,0
3LS4/I 80-250/7,5	1398140104I	10	7,5	-	15,3	8,8	100	80	134,0

Pumps supplied without counterflanges, see counterflanges kit on page 447  
 "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.

3L SERIES 65-250 and 3L 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.

# 3LP(4) SERIES



## Centrifugal pumps in AISI 316 on base with standardized motor with flexible coupling (EN 733)

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

- AISI 316L (EN 1.4404)

**Pump body** - AISI 316 (EN 1.4401) microcasted steel for 3L SERIES 65-250, 80-160/200/250

- AISI 316L (EN 1.4404) for 3L SERIES 32, 45, 50

**Impeller** - AISI 316 (EN 1.4401) microcasted steel for 3L SERIES 65, 80

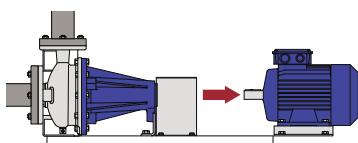
- AISI 316L (EN 1.4404) stainless steel

**Shaft** - Duplex stainless steel for 3L SERIES 65-250, 80-200/30, 80-200/37, 80-250

Standard = Silicon carbide/Silicon carbide/FPM  
H = Graphite/Ceramic/FPM

**Mechanical seal** HW = Tungsten carbide/Tungsten carbide/FPM  
HSW = Silicon carbide/Tungsten carbide/FPM  
E = Graphite/Ceramic/EPDM  
ES = Silicon carbide/Carbon/EPDM

**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

<b>Max. working pressure</b>	10 bar
<b>Max. temperature of the liquid (clear water)</b>	-10°C ÷ +110°C for std, H-HW-HSW, versions -20°C ÷ +120°C for E, ES versions
<b>MEI</b>	> 0,4
<b>Poles</b>	2 and 4
<b>Insulation class</b>	F
<b>Protection degree</b>	IP55
<b>Voltage</b>	Three phase 3~230/400V ±10% (up to 4kW included) Three phase 3~400/690V ±10% (from 5,5kW and above)

The pump does not have an internal motor protector, therefore overload protection must be provided by the user.

\* **ATTENTION:** Approximate temperature range referred to the limits of mechanical seal materials. For applications with special fluid, different from standard limits indicated in the specific series, please contact our Technical Customer Service.

## Accessories



### Counterflanges kit

Page 447 - Galvanized, AISI 304 and AISI 316 counterflanges kit



### Control systems

Page 426 - E-SPD  
Variable speed control systems

Page 428 - E-drive  
Variable speed control systems

Page 424 - Control panels  
SMART EVO 1-2, DIRECTO 1-2,  
STARDELTA 1-2

## Options



### Mechanical seal

Page 458 - See all the available mechanical seal versions

## Standard Motors

IEC Standard motor is used.

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

# 3LP SERIES



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

Model	Code	HP	kW	Abs. Curr.			DNA	DNM	Weight [kg]
				230V	[A] 400V	690V			
3LP/I 32-125/1,1	1843070004I	1,5	1,1	4,2	2,4	-	50	32	46,7
3LP/I 32-160/1,5	1843080004I	2	1,5	5,2	3	-	50	32	52,3
3LP/I 32-160/2,2	1843100004I	3	2,2	8	4,6	-	50	32	53,5
3LP/I 32-200/3,0	1843110004I	4	3	9,7	5,6	-	50	32	71,5
3LP/I 32-200/4,0	1843120004I	5,5	4	12,1	7	-	50	32	75,1
3LP/I 32-200/5,5	1843130004I	7,5	5,5	-	10	5,8	50	32	97,0
3LP/I 32-200/7,5	1843140004I	10	7,5	-	13,1	7,6	50	32	112,2
3LP/I 40-125/1,5	1853080004I	2	1,5	5,2	3,0	-	65	40	49,8
3LP/I 40-125/2,2	1853100004I	3	2,2	8	4,6	-	65	40	51,0
3LP/I 40-160/3,0	1853110004I	4	3	9,7	5,6	-	65	40	81,0
3LP/I 40-160/4,0	1853120004I	5,5	4	12,1	7	-	65	40	67,6
3LP/I 40-200/5,5	1853130004I	7,5	5,5	-	10	5,8	65	40	98,0
3LP/I 40-200/7,5	1853140004I	10	7,5	-	13,1	7,6	65	40	106,9
3LP/I 40-200/11,0	1853160004I	15	11	-	19,7	11,4	65	40	127,8
3LP/I 50-125/2,2	1863090004I	3	2,2	8	4,6	-	65	50	75,0
3LP/I 50-125/3,0	1863110004I	4	3	9,7	5,6	-	65	50	82,5
3LP/I 50-125/4,0	1863120004I	5,5	4	12,1	7	-	65	50	84,6
3LP/I 50-160/5,5	1863130004I	7,5	5,5	-	10	5,8	65	50	84,6
3LP/I 50-160/7,5	1863140004I	10	7,5	-	13,1	7,6	65	50	106,9
3LP/I 50-200/9,2	1863150004I	12,5	9,2	-	16,5	9,5	65	50	111,0
3LP/I 50-200/11,0	1863160004I	15	11	-	19,7	11,4	65	50	128,3
3LP/I 50-200/15,0	1863170004I	20	15	-	26,7	15,4	65	50	135,4
3LP/I 65-125/4,0	1874120004I	5,5	4	12,1	7	-	80	65	50,1
3LP/I 65-125/5,5	1874130004I	7,5	5,5	-	10	5,8	80	65	60
3LP/I 65-125/7,5	1874140004I	10	7,5	-	13,1	7,6	80	65	79,4
3LP/I 65-160/7,5	1874240004I	10	7,5	-	13,1	7,6	80	65	82,4
3LP/I 65-160/9,2	1874150004I	12,5	9,2	-	16,5	9,5	80	65	88
3LP/I 65-160/11	1874160004I	15	11	-	19,7	11,4	80	65	86,8
3LP/I 65-160/15	1874170004I	20	15	-	26,7	15,4	80	65	120,9
3LP/I 65-200/15	1874270004I	20	15	-	26,7	15,4	80	65	138
3LP/I 65-200/18,5	1874180004I	25	18,5	-	33	19,1	80	65	137
3LP/I 65-200/22	1874190004I	30	22	-	38	22	80	65	175
3LP/I 65-250/30	1402200104I	40	30	-	51,8	30	80	65	303
3LP/I 65-250/37	1402250104I	50	37	-	62,5	36	80	65	320
3LP/I 80-160/11	1403160104I	15	11	-	19,7	11,4	100	80	145,8
3LP/I 80-160/15 R	1403140104I	20	15	-	26,7	15,4	100	80	157
3LP/I 80-160/15	1403170104I	20	15	-	26,7	15,4	100	80	157
3LP/I 80-160/18,5	1403180104I	25	18,5	-	33	19,1	100	80	151,2
3LP/I 80-200/22	1404190104I	30	22	-	38	22	100	80	207
3LP/I 80-200/30	1404200104I	40	30	-	51,8	30	100	80	306
3LP/I 80-200/37	1404250104I	50	37	-	62,5	36	100	80	325
3LP/I 80-250/37	1405250104I	50	37	-	62,5	36	100	80	335
3LP/I 80-250/45	1405300104I	60	45	-	74,5	43	100	80	401
3LP/I 80-250/55	1405550104I	75	55	-	93,5	54	100	80	489

Pumps supplied without counterflanges, see counterflanges kit on page 447  
3L SERIES 65-250 and 3L SERIES 80 in microcasted steel

# 3LP4 SERIES



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

Model	Code	HP	kW	Abs. Curr. [A]			DNA	DNM	Weight [kg]
				230V	400V	690V			
3LP4 32-125/0,25	1843010004	0,33	0,25	1,6	0,9	-	50	32	37,0
3LP4 32-160/0,37R	1844020004	0,5	0,37	2,1	1,2	-	50	32	41,0
3LP4 32-160/0,37	1843020004	0,5	0,37	2,1	1,2	-	50	32	41,0
3LP4 32-200/0,55R	1844030004	0,75	0,55	2,8	1,6	-	50	32	53,5
3LP4 32-200/0,55	1843030004	0,75	0,55	2,8	1,6	-	50	32	53,5
3LP4/I 32-200/0,75	1843050004I	1	0,75	3,1	1,8	-	50	32	54,5
3LP4 40-125/0,37R	1854020004	0,5	0,37	2,1	1,2	-	65	40	46,5
3LP4 40-125/0,37	1853020004	0,5	0,37	2,1	1,2	-	65	40	46,5
3LP4 40-160/0,55R	1854030004	0,75	0,55	2,8	1,6	-	65	40	44,5
3LP4 40-160/0,55	1853030004	0,75	0,55	2,8	1,6	-	65	40	44,5
3LP4/I 40-200/1,1R	1854070004I	1,5	1,1	4,3	2,5	-	65	40	59,3
3LP4/I 40-200/1,1	1853070004I	1,5	1,1	4,3	2,5	-	65	40	59,3
3LP4/I 40-200/1,5	1854080004I	2	1,5	6,2	3,6	-	65	40	61,4
3LP4 50-125/0,55R	1864030004	0,75	0,55	2,8	1,6	-	65	50	45,0
3LP4 50-125/0,55	1863030004	0,75	0,55	2,8	1,6	-	65	50	45,0
3LP4/I 50-160/1,1R	1864070004I	1,5	1,1	4,3	2,5	-	65	50	50,3
3LP4/I 50-160/1,1	1863070004I	1,5	1,1	4,3	2,5	-	65	50	50,3
3LP4/I 50-200/1,5R	1864080004I	2	1,5	6,2	3,6	-	65	50	61,4
3LP4/I 50-200/1,5	1863080004I	2	1,5	6,2	3,6	-	65	50	61,4
3LP4/I 50-200/2,2	1863100004I	3	2,2	10,2	5,9	-	65	50	70,4
3LP4 65-125/0,55	1878330004	0,75	0,55	2,8	1,6	-	80	65	48,5
3LP4/I 65-125/0,75	1878350004I	1	0,75	3,1	1,8	-	80	65	48,5
3LP4/I 65-125/1,1	1878370004I	1,5	1,1	4,3	2,5	-	80	65	53,8
3LP4/I 65-160/1,1	1877370004I	1,5	1,1	4,3	2,5	-	80	65	60,3
3LP4/I 65-160/1,5	1877380004I	2	1,5	6,2	3,6	-	80	65	60,9
3LP4/I 65-160/2,2	1877400004I	3	2,2	10,2	5,9	-	80	65	71,9
3LP4/I 65-200/2,2R	1876400104I	3	2,2	10,2	5,9	-	80	65	74,4
3LP4/I 65-200/2,2	1876400004I	3	2,2	10,2	5,9	-	80	65	74,4
3LP4/I 65-200/3	1876410004I	4	3	11,8	6,8	-	80	65	77,5
3LP4/I 65-250/4	1402120104I	5,5	4	14,2	8,2	-	80	65	119,1
3LP4/I 65-250/5,5	1402130104I	7,5	5,5	-	10,6	6,1	100	80	140,0
3LP4/I 80-160/1,5	1403080104I	2	1,5	6,2	3,6	-	100	80	77,4
3LP4/I 80-160/2,2R	1403090104I	3	2,2	10,2	5,9	-	100	80	86,4
3LP4/I 80-160/2,2	1403100104I	3	2,2	10,2	5,9	-	100	80	100,9
3LP4/I 80-200/3	1404110104I	4	3	11,8	6,8	-	100	80	109,5
3LP4/I 80-200/4	1404120104I	5,5	4	14,2	8,2	-	100	80	122,1
3LP4/I 80-200/4R	1404130104I	5,5	4	14,2	8,2	-	100	80	122,6
3LP4/I 80-250/5,5R	1405330104I	7,5	5,5	-	10,6	6,1	100	80	144,0
3LP4/I 80-250/5,5	1405130104I	7,5	5,5	-	10,6	6,1	100	80	144,5
3LP4/I 80-250/7,5	1405140104I	10	7,5	-	15,3	8,8	100	80	157,5

Pumps supplied without counterflanges, see counterflanges kit on page 447  
3L SERIES 65-250 and 3L 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

AISI 316L (EN 1.4404)

**Pump body** AISI 316 (EN 1.44041) microcasted steel for 3L SERIES 65-250, 80-160/200/250

AISI 316L (EN 1.4404) for 3L SERIES 32, 45, 50

**Impeller** AISI 316 (EN 1.4401) microcasted steel for 3L SERIES 65, 80

**Shaft** AISI 316L (EN 1.4404) stainless steel

Standard = Silicon carbide/Silicon carbide/FPM

H = Graphite/Ceramic/FPM

**Mechanical seal** HW = Tungsten carbide/Tungsten carbide/FPM

HSW = Silicon carbide/Tungsten carbide/FPM

E = Graphite/Ceramic/EPDM

ES = Silicon carbide/Carbon/EPD

## Technical data

**Max. working pressure** 10 bar

**Max. temperature of the liquid (clear water)** -10°C ÷ +110°C for std, H-HW-HSW versions  
-20°C ÷ +120°C for E, ES versions

**MEI** > 0,4

**Poles** 2 and 4

**Protection degree** IP55

\* ATTENTION: Approximate temperature range referred to the limits of mechanical seal materials. For applications with special fluid, different from standard limits indicated in the specific series, please contact our Technical Customer Service.

## Accessories

### Counterflanges kit

Page 447 - Galvanized, AISI 304 and AISI 316 counterflanges kit



### Control systems

Page 426 - **E-SPD**

Variable speed control systems

Page 428 - **E-drive**

Variable speed control systems

Page 424 - **Control panels**

SMART EVO 1-2, DIRECTO 1-2,  
STARDELTA 1-2

## Options

### Mechanical seal

Page 458 - See all the available mechanical seal versions



# 3LPF(4) SERIES

Centrifugal pumps in AISI 316 (hydraulic only) (EN 733)



3LPF SERIES		2 Poles	3LPF4 SERIES	4 Poles
Model	Code		Model	Code
3LPF 32-125/1,1	1843000000		3LPF4 32-125/0,25	1843000000
3LPF 32-160/1,5R	1843000001		3LPF4 32-160/0,37R	1843000001
3LPF 32-160/2,2	1843000002		3LPF4 32-160/0,37	1843000002
3LPF 32-200/3,0R	1843000003		3LPF4 32-200/0,55R	1843000003
3LPF 32-200/4,0	1843000004		3LPF4 32-200/0,55	1843000004
3LPF 32-200/5,5L	1843000005		3LPF4 32-200/0,75L	1843000005
3LPF 32-200/7,5L	1843000005		3LPF4 40-125/0,37R	1853000000
3LPF 40-125/1,5R	1853000000		3LPF4 40-125/0,37	1853000001
3LPF 40-125/2,2	1853000001		3LPF4 40-160/0,55R	1853000002
3LPF 40-160/3,0R	1853000002		3LPF4 40-160/0,55	1853000003
3LPF 40-160/4,0	1853000003		3LPF4 40-200/1,1R	1853000004
3LPF 40-200/5,5R	1853000004		3LPF4 40-200/1,1	1853000005
3LPF 40-200/7,5	1853000005		3LPF4 40-200/1,5L	1853000006
3LPF 40-200/11L	1853000006		3LPF4 50-125/0,55R	1863000000
3LPF 50-125/2,2S	1863000007		3LPF4 50-125/0,55	1863000001
3LPF 50-125/3,0R	1863000000		3LPF4 50-160/1,1R	1863000002
3LPF 50-125/4,0	1863000001		3LPF4 50-160/1,1	1863000003
3LPF 50-160/5,5R	1863000002		3LPF4 50-200/1,5R	1863000004
3LPF 50-160/7,5	1863000003		3LPF4 50-200/1,5	1863000005
3LPF 50-200/9,2R	1863000004		3LPF4 50-200/2,2L	1863000006
3LPF 50-200/11	1863000005		3LPF4 65-125/0,55R	1874200000
3LPF 50-200/15L	1863000006		3LPF4 65-125/0,75	1874200001
3LPF 65-125/4,0R	1874200000		3LPF4 65-125/1,1L	1874200002
3LPF 65-125/5,5	1874200001		3LPF4 65-160/1,1R	1874200003
3LPF 65-125/7,5L	1874200002		3LPF4 65-160/1,5	1874200004
3LPF 65-160/7,5S	1874200009		3LPF4 65-160/2,2L	1874300005
3LPF 65-160/9,2R	1874200003		3LPF4 65-200/2,2R	1874300006
3LPF 65-160/11	1874200004		3LPF4 65-200/2,2	1874300007
3LPF 65-160/15L	1874200005		3LPF4 65-200/3,0L	1874300008
3LPF 65-200/15R	1874200006		3LPF4 65-250/4,0	1406250101
3LPF 65-200/18,5	1874200007		3LPF4 65-250/5,5L	1406250102
3LPF 65-200/22L	1874200008		3LPF4 80-160/1,5R	1407160106
3LPF 65-250/30	1406250101		3LPF4 80-160/2,2	1407160104
3LPF 65-250/37L	1406250102		3LPF4 80-160/2,2L	1407160105
3LPF 80-160/11S	1407160100		3LPF4 80-200/3,0R	1407200100
3LPF 80-160/15R	1407150100		3LPF4 80-200/4,0	1407200101
3LPF 80-160/15	1407160101		3LPF4 80-200/4,0L	1407200102
3LPF 80-160/18,5L	1407160102		3LPF4 80-250/5,5R	1407250103
3LPF 80-200/22R	1407200100		3LPF4 80-250/5,5	1407250104
3LPF 80-200/30	1407200101		3LPF4 80-250/7,5L	1407250105
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 447  
3L SERIES 65-250 and 3L SERIES 80 in microcasted steel

Pumps supplied without counterflanges, see counterflanges kit on page 447  
3L SERIES 65-250 and 3L SERIES 80 in microcasted steel

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

**End suction pumps in cast iron with impeller in AISI 304, AISI 316 and cast iron (EN 733)**

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.



## Technical data

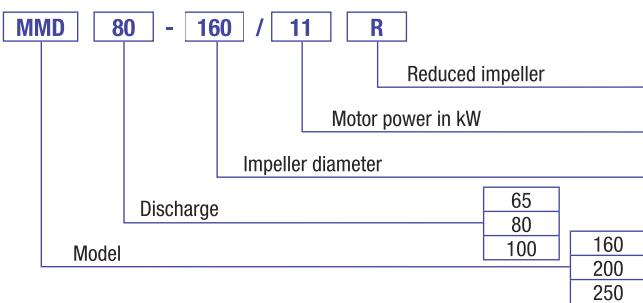
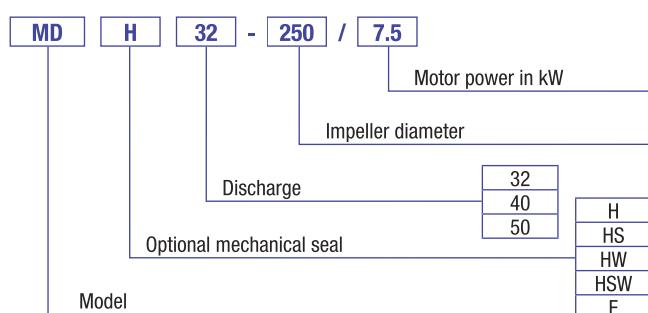
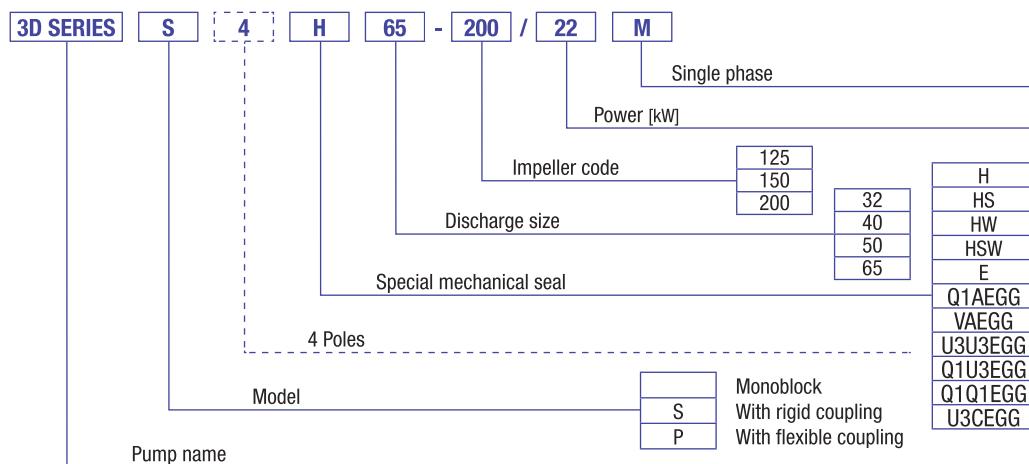
<b>Max. working pressure</b>	10 bar
<b>Max. temperature of the liquid (clean water)</b>	-5°C ÷ +90°C -5°C ÷ +110°C for H-HS-HW-HSW versions -5°C ÷ +120°C for E version -10°C ÷ +90°C for MMD
<b>Capacity</b>	up to 600 m³/h

<b>Total Head</b>	up to 92,7 m
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Permanent split capacitor built in overload motor protector with automatic reset. The three phase version does not have an internal motor protector, therefore overload protection must be provided by the user.

\* **ATTENTION:** Approximate temperature range referred to the limits of mechanical seal materials. For applications with special fluid, different from standard limits indicated in the specific series, please contact our Technical Customer Service.

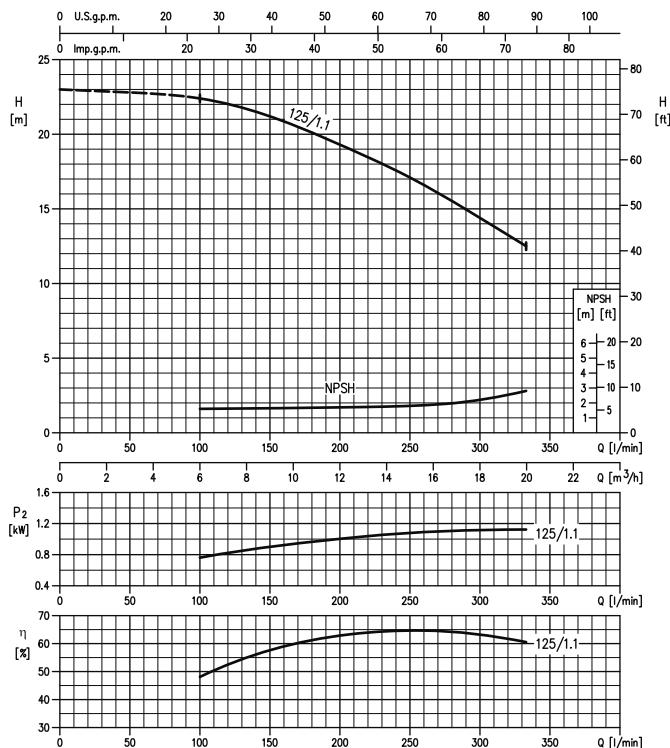
## Identification code



# 3D(.) SERIES

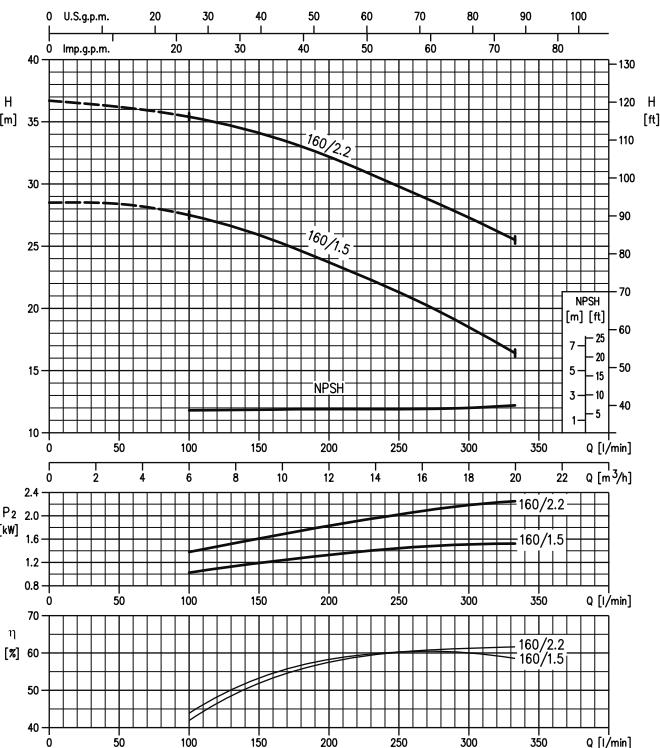
End suction pumps in cast iron with impeller in AISI 304 and AISI 316

## 3D(.) 32-125

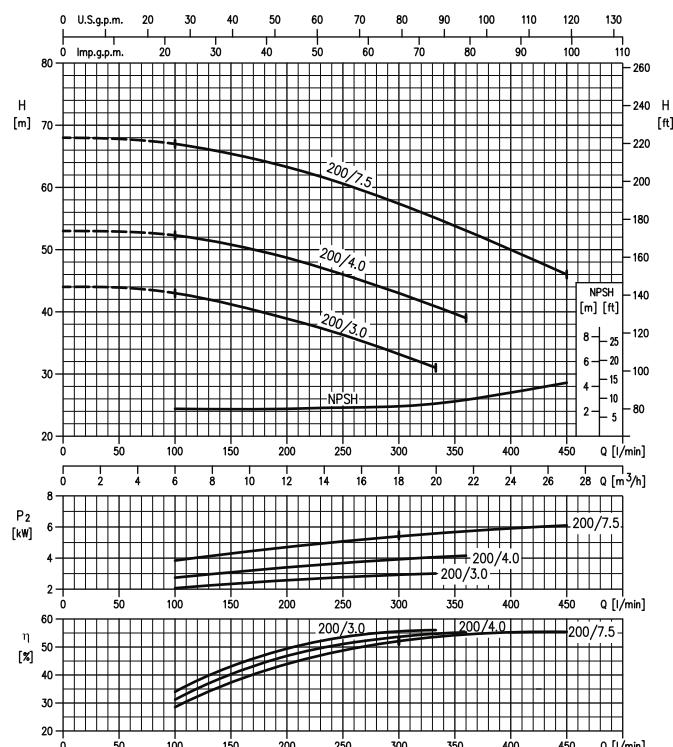


## 2 Poles

## 3D(.) 32-160

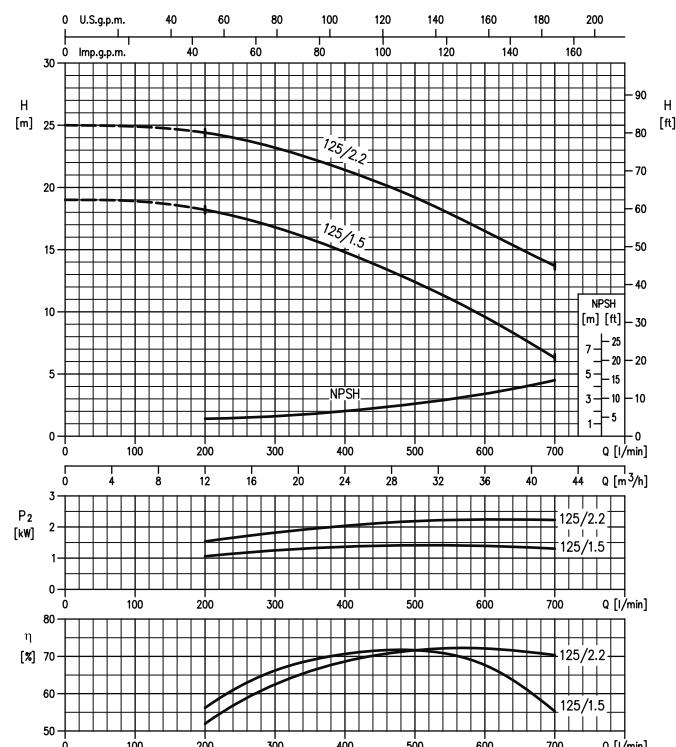


## 3D(.) 32-200



## 2 Poles

## 3D(.) 40-125

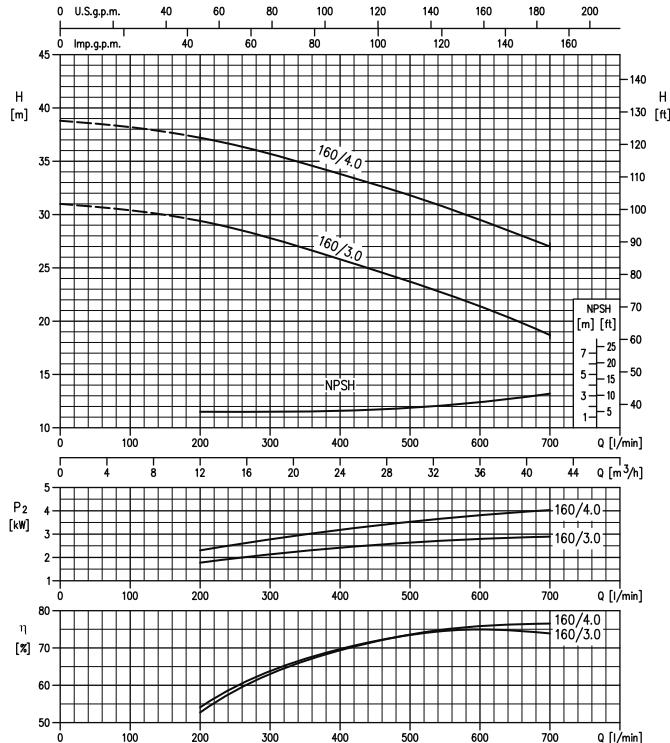


# 3D(.) SERIES

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

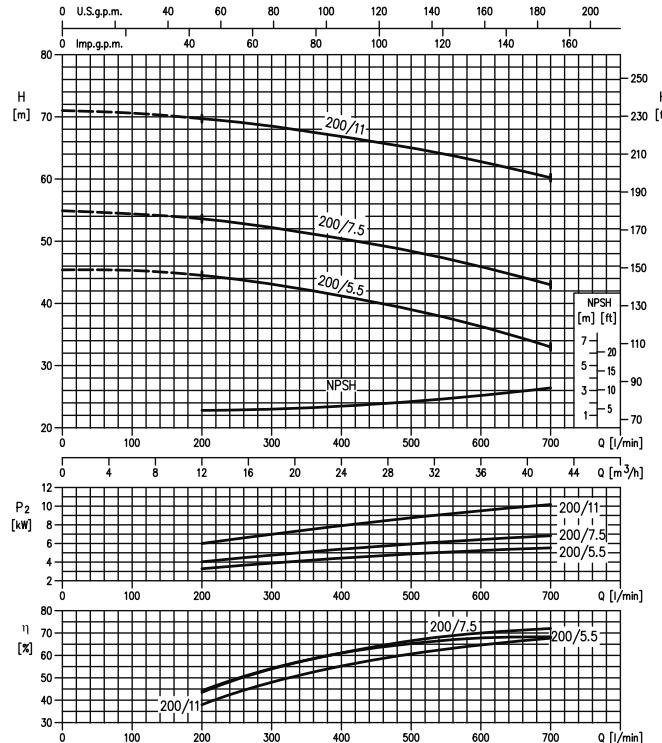
## 3D(.) 40-160

2 Poles



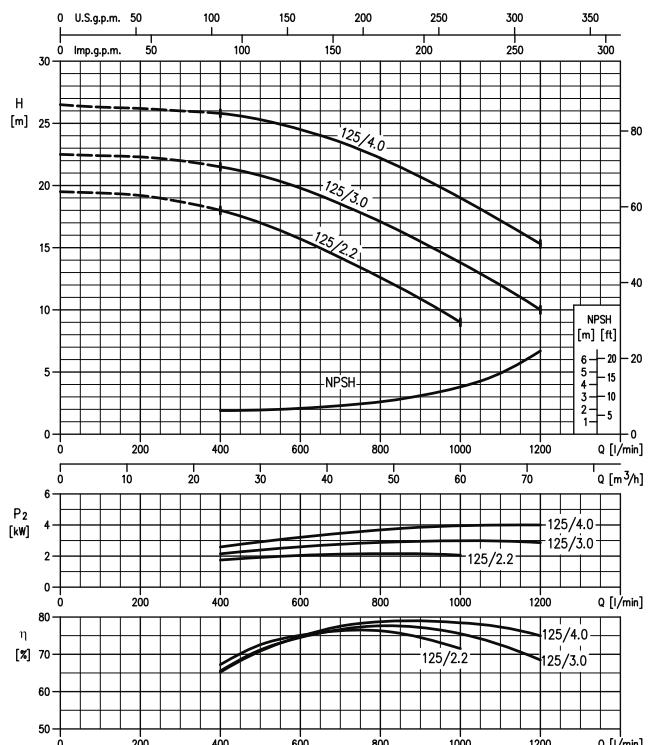
## 3D(.) 40-200

2 Poles



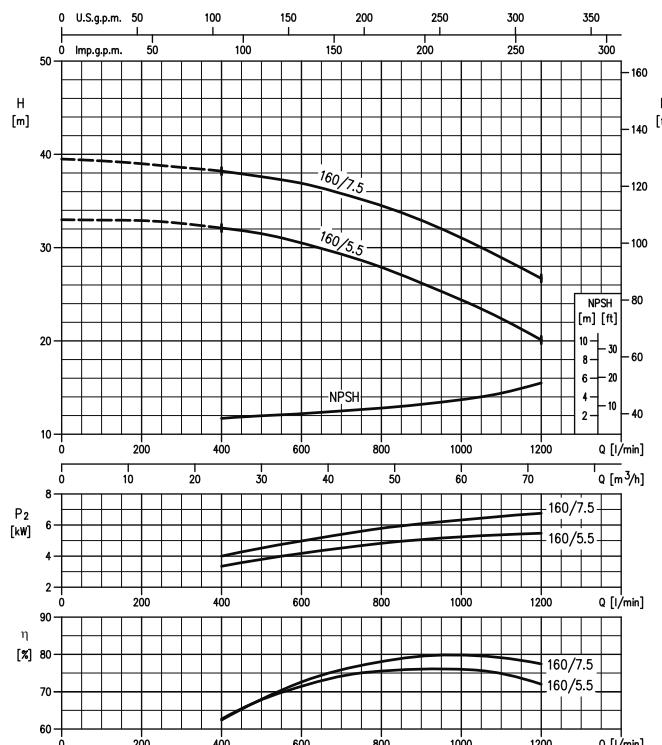
## 3D(.) 50-125

2 Poles



## 3D(.) 50-160

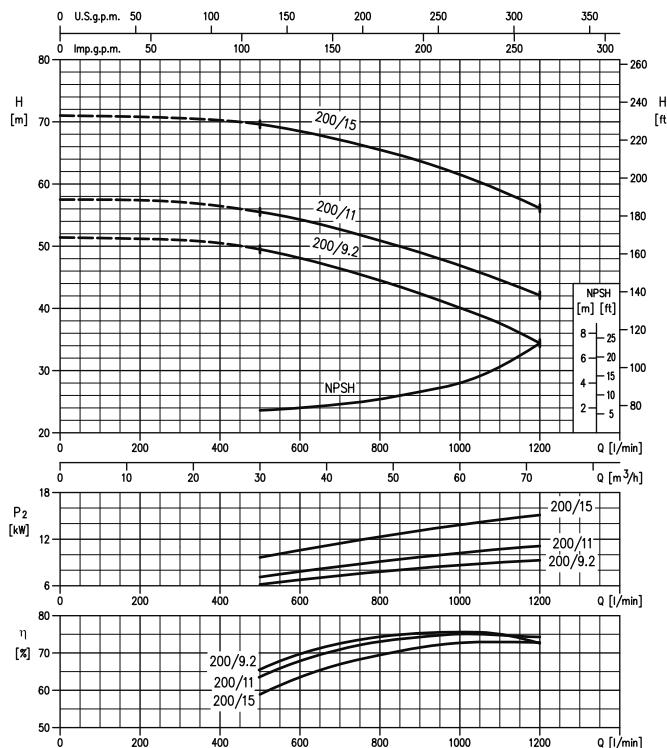
2 Poles



# 3D(.) SERIES

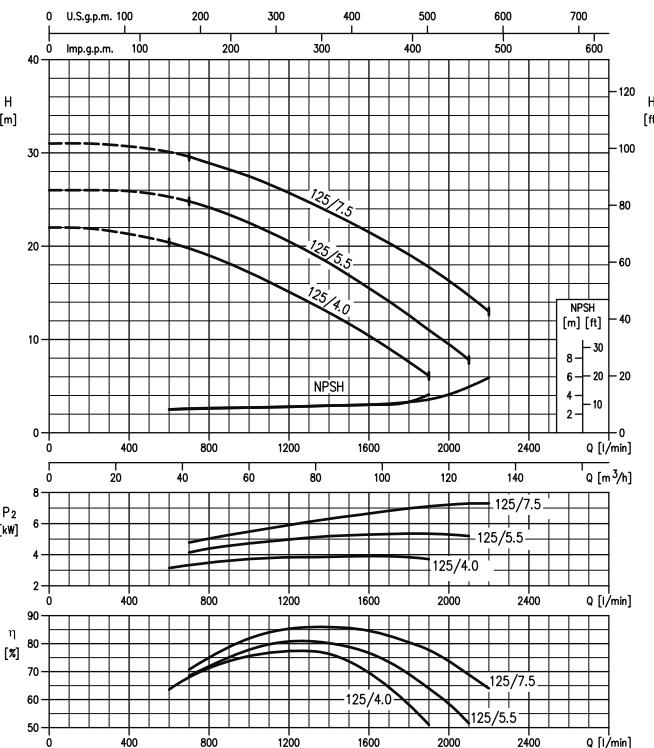
End suction pumps in cast iron with impeller in AISI 304 and AISI 316

## 3D(.) 50-200



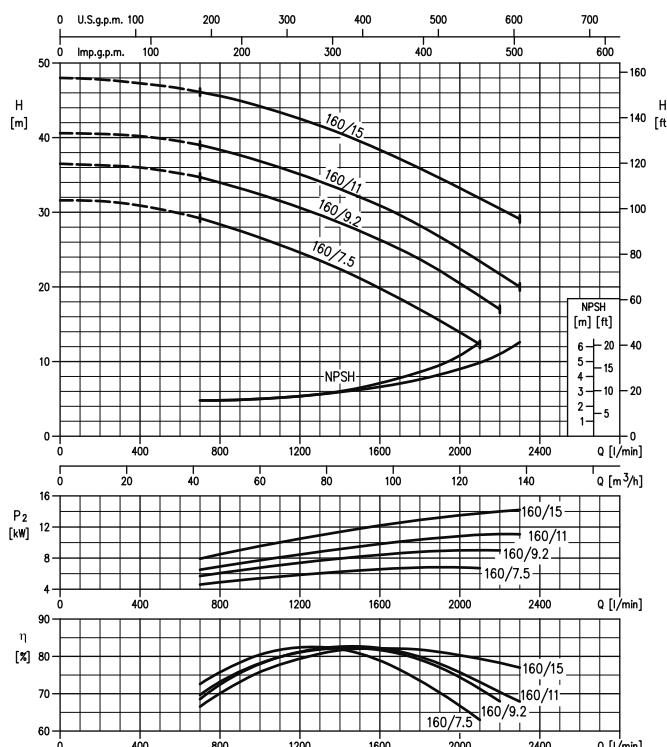
## 2 Poles

## 3D(.) 65-125



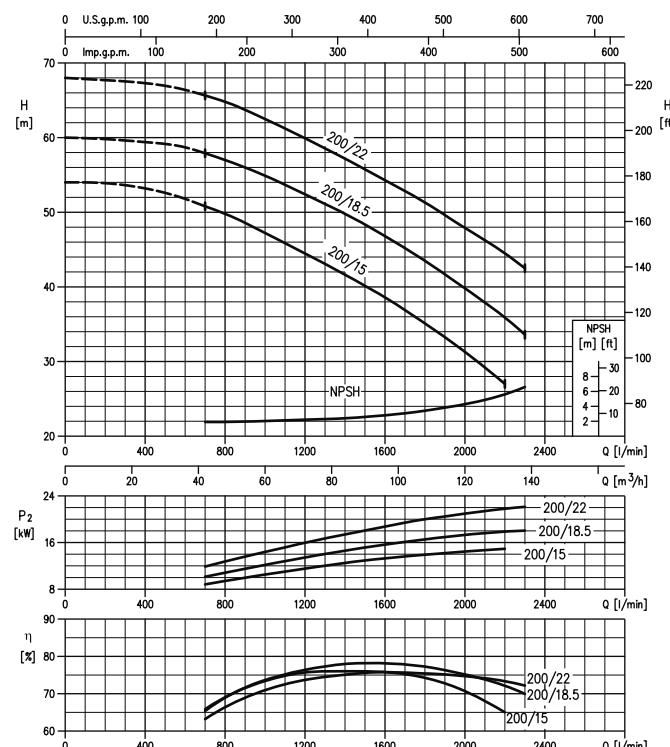
## 2 Poles

## 3D(.) 65-160



## 2 Poles

## 3D(.) 65-200



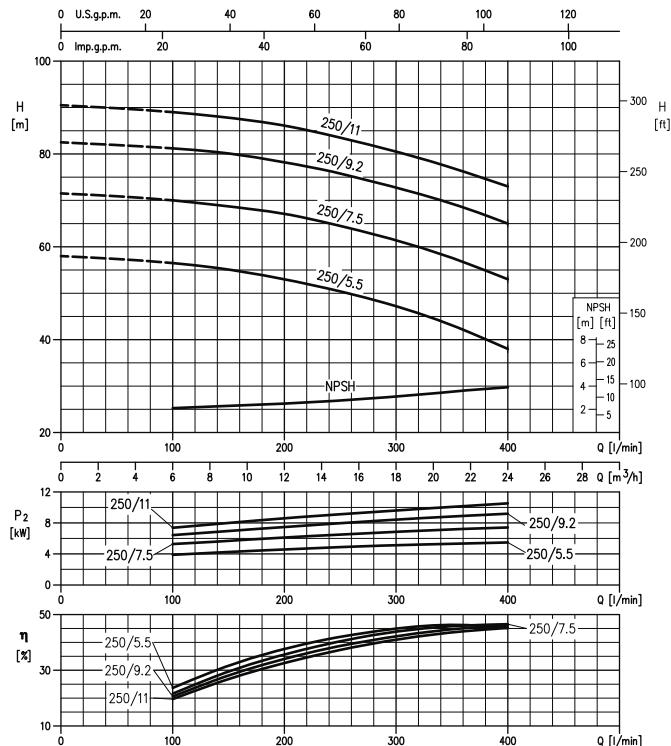
## 2 Poles

# MD - MMD

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

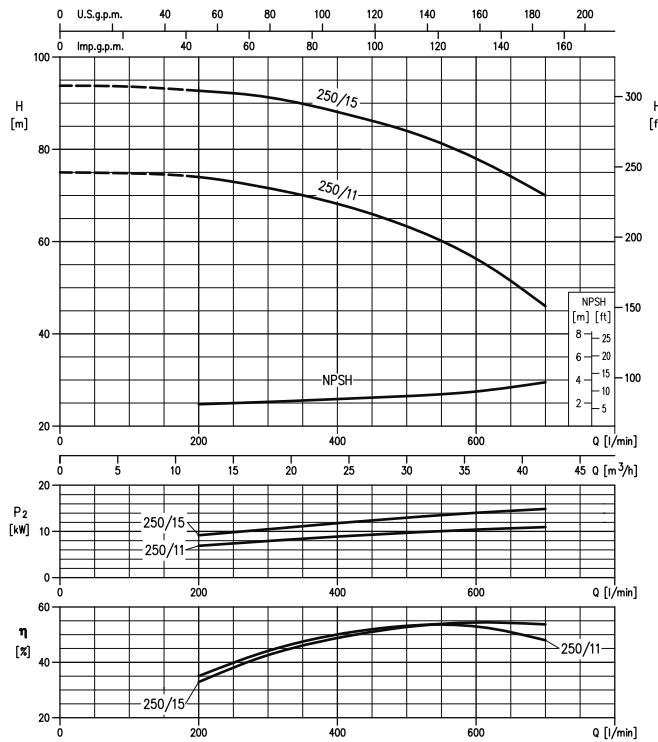
## MD 32-250

2 Poles



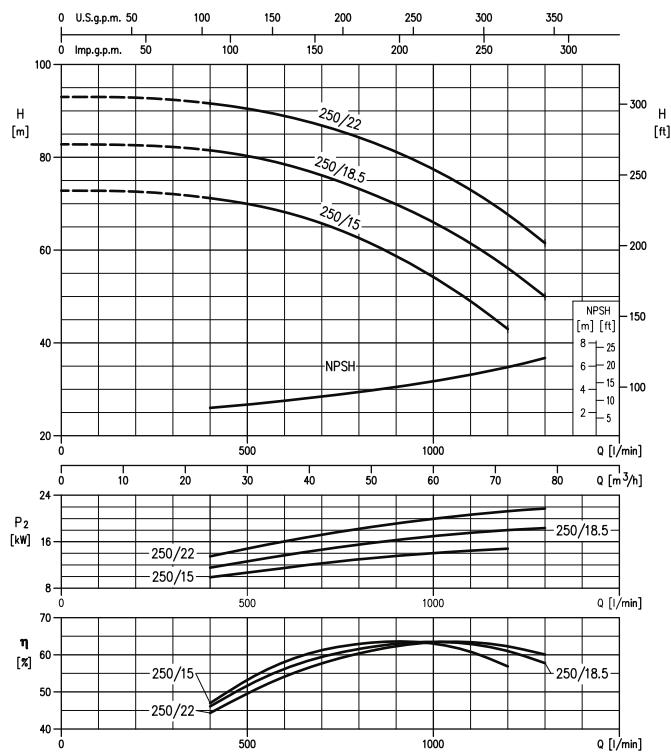
MD 40-250

2 Poles



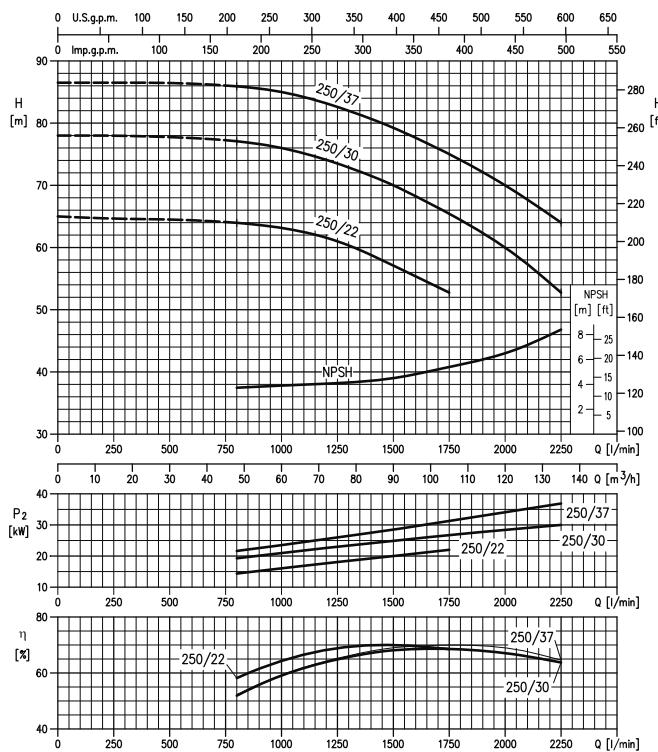
## MD 50-250

2 Poles



MMD 65-250

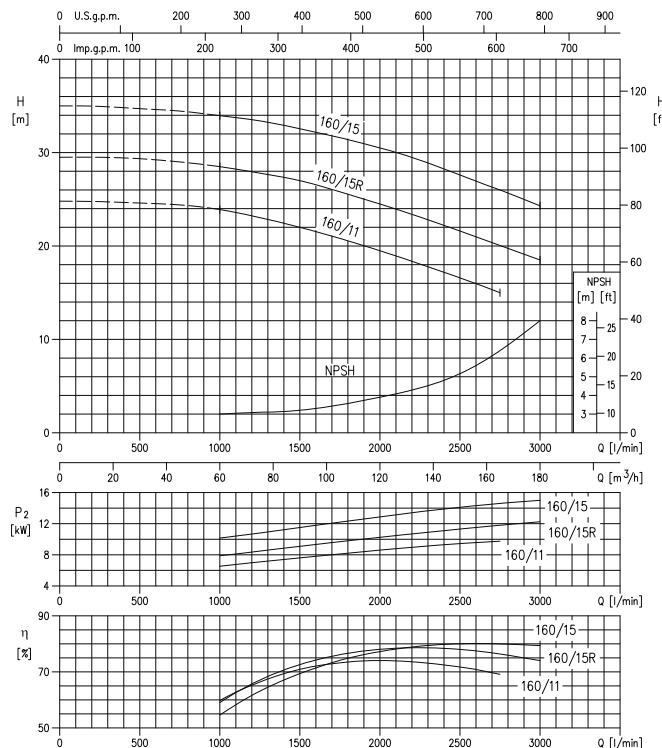
2 Poles



# MD - MMD

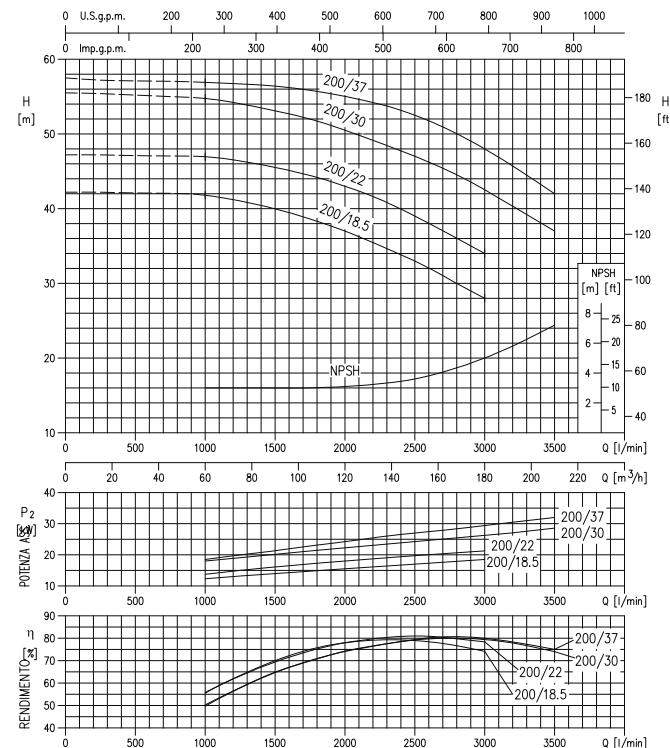
End suction pumps in cast iron with impeller in AISI 304 and in cast iron

## MMD 80-160



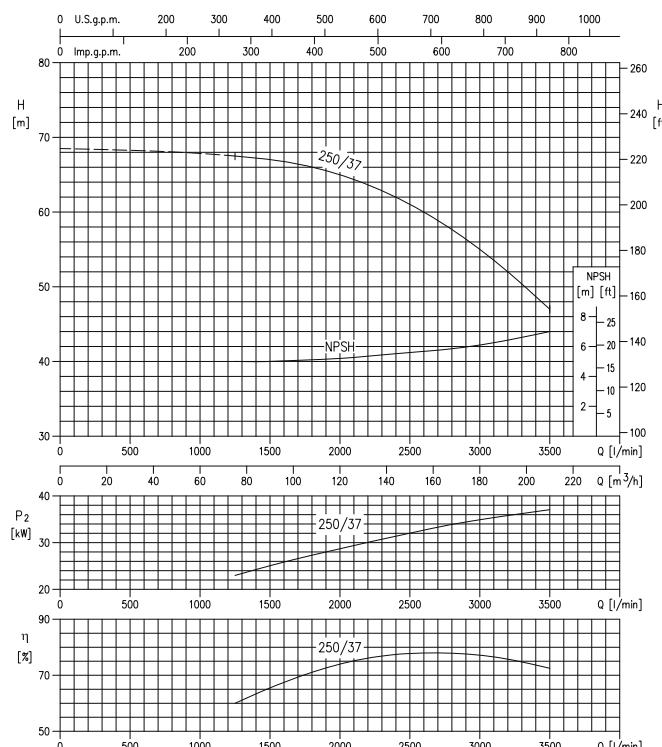
## 2 Poles

## MMD 80-200



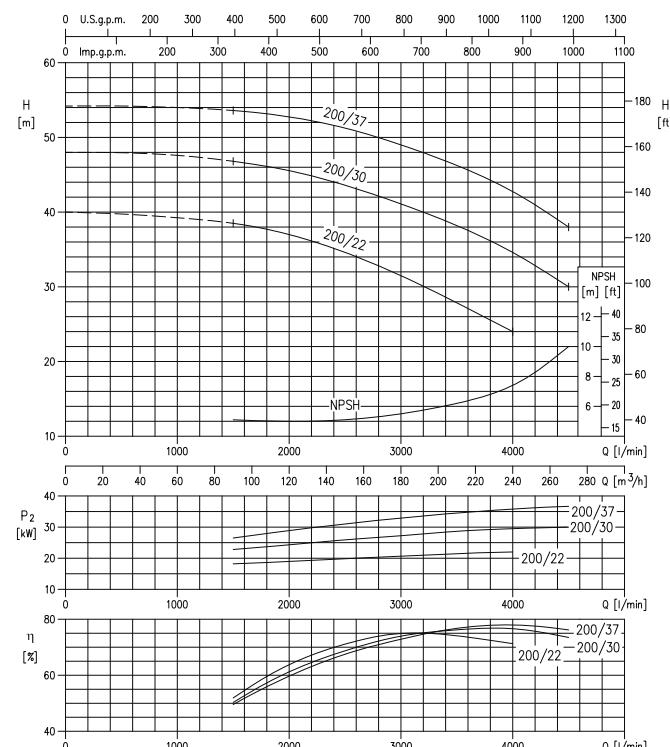
## 2 Poles

## MMD 80-250



## 2 Poles

## MMD 100-200

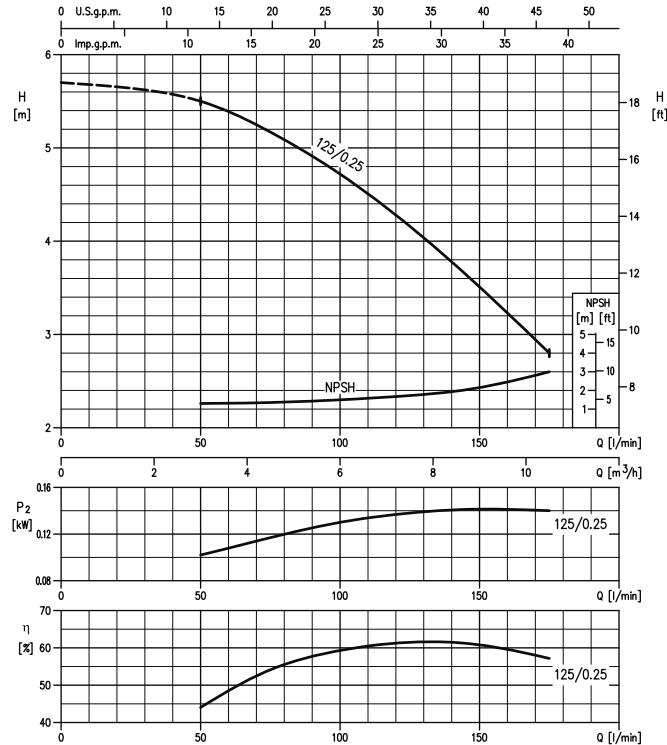


## 2 Poles

# 3D(.)4 SERIES

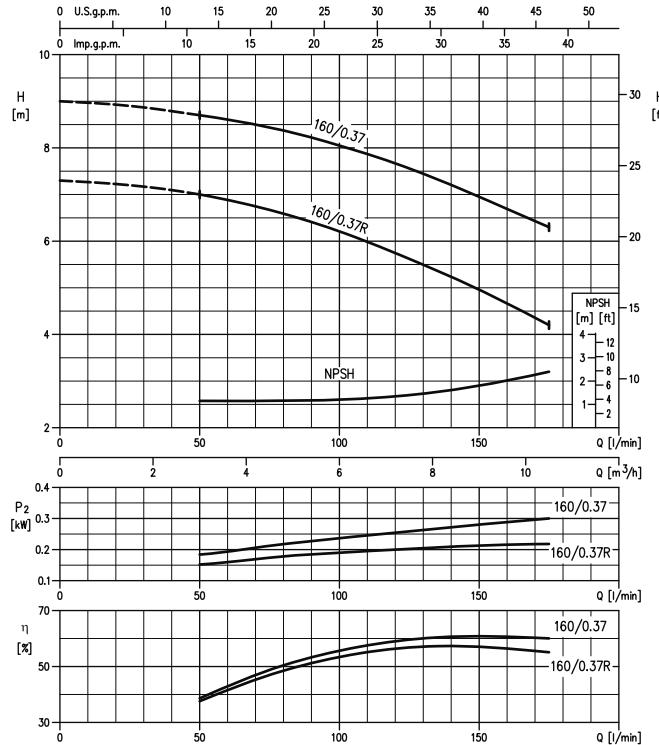
End suction pumps in cast iron with impeller in AISI 304 and AISI 316

**3D(.)4 32-125**



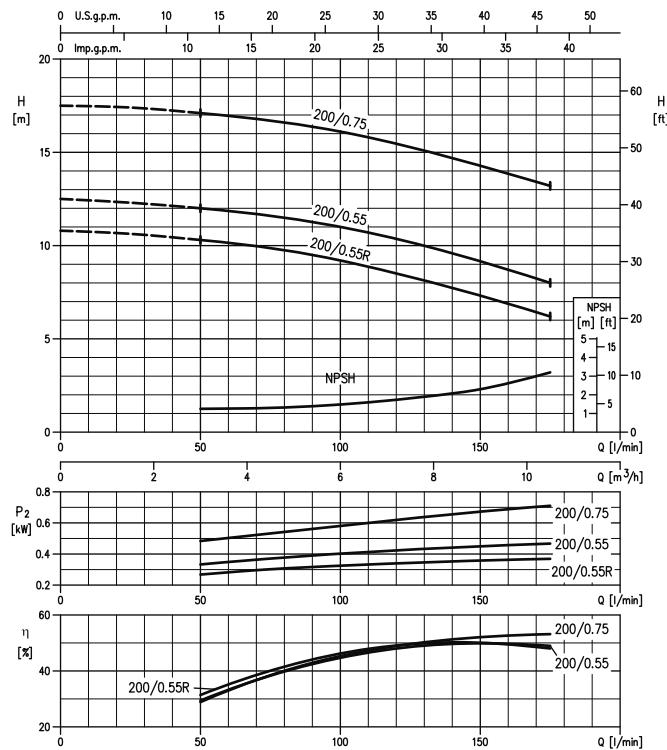
**4 Poles**

**3D(.)4 32-160**



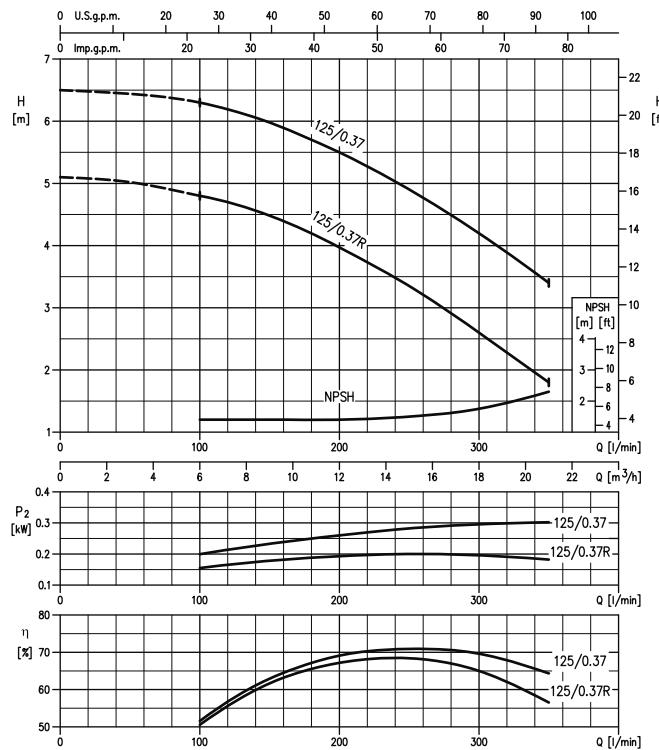
**4 Poles**

**3D(.)4 32-200**



**4 Poles**

**3D(.)4 40-125**

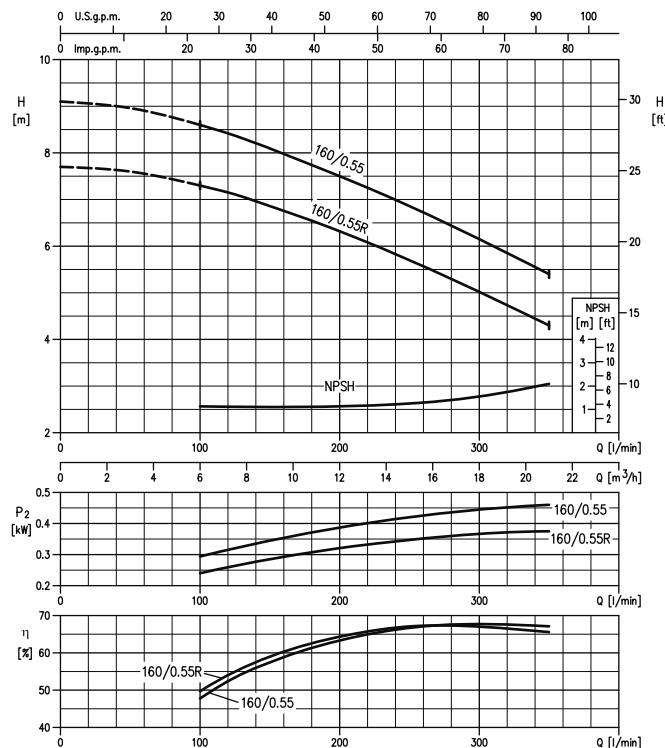


**4 Poles**

# 3D(.4) SERIES

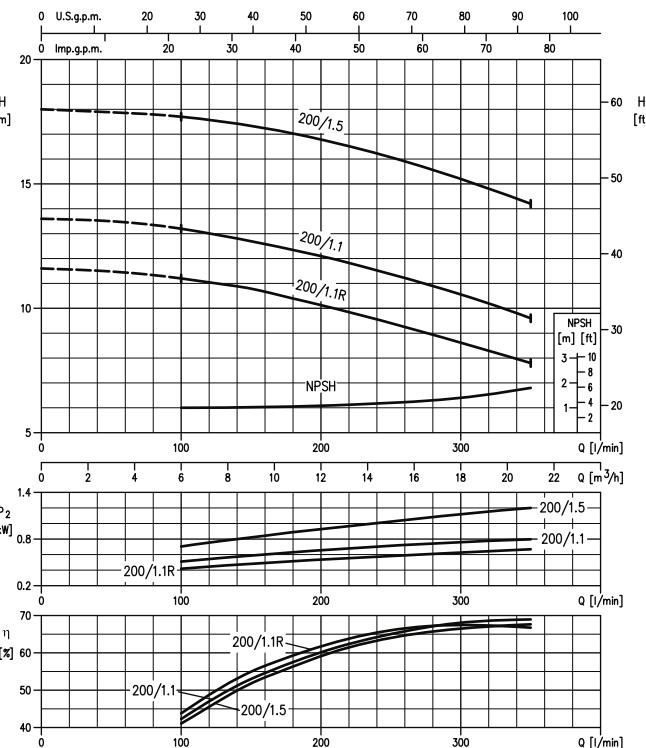
End suction pumps in cast iron with impeller in AISI 304 and AISI 316

**3D(.4) 40-160**

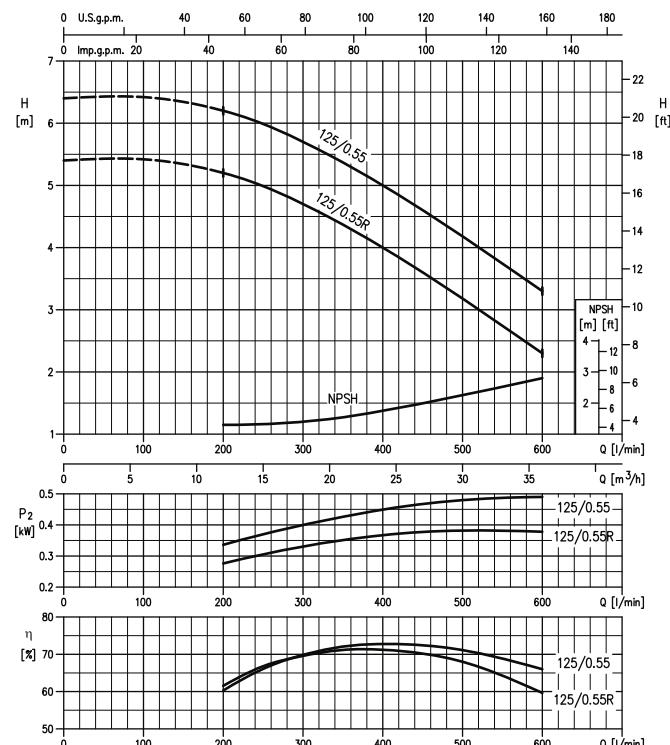


**4 Poles**

**3D(.4) 40-200**

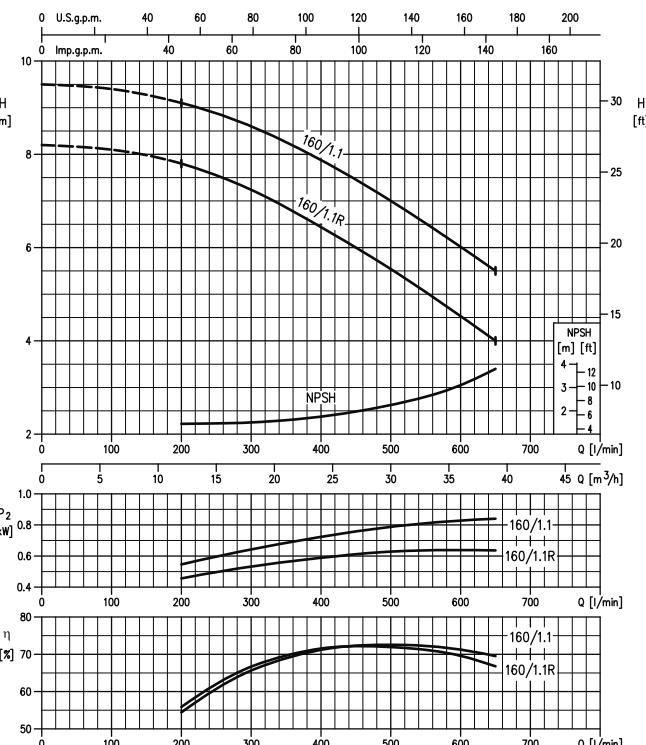


**3D(.4) 50-125**



**4 Poles**

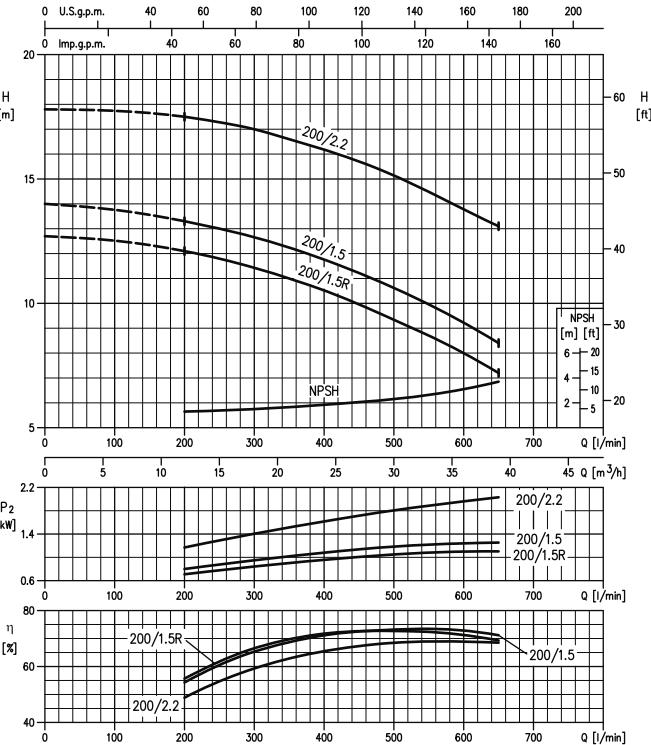
**3D(.4) 50-160**



# 3D(.)4 SERIES

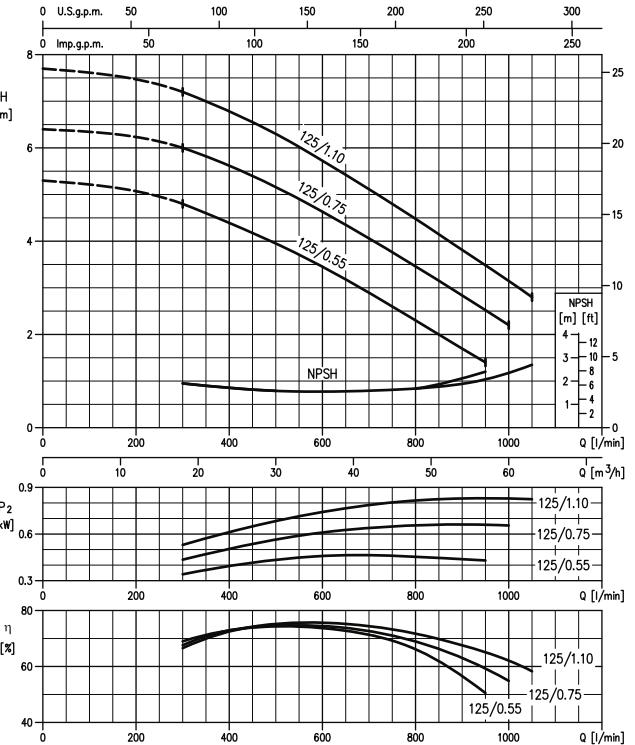
End suction pumps in cast iron with impeller in AISI 304 and AISI 316

## 3D(.)4 50-200



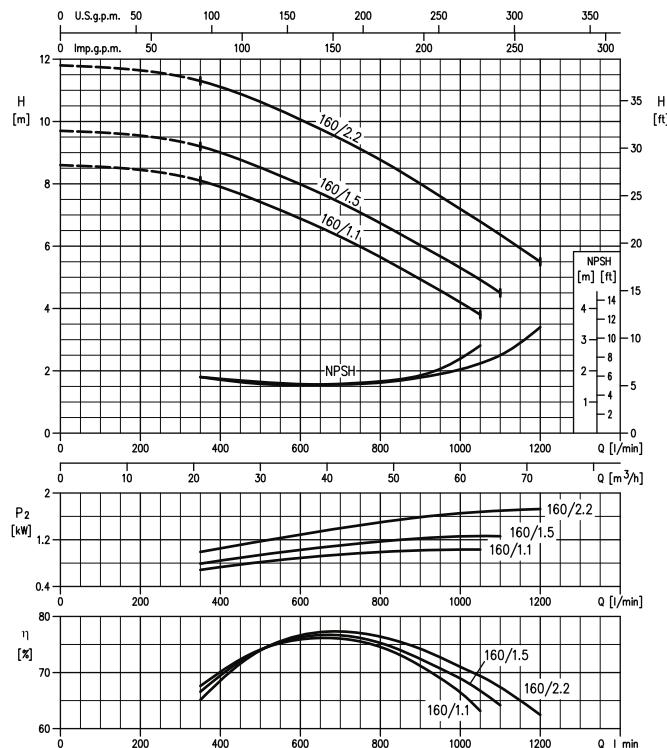
## 4 Poles

## 3D(.)4 65-125



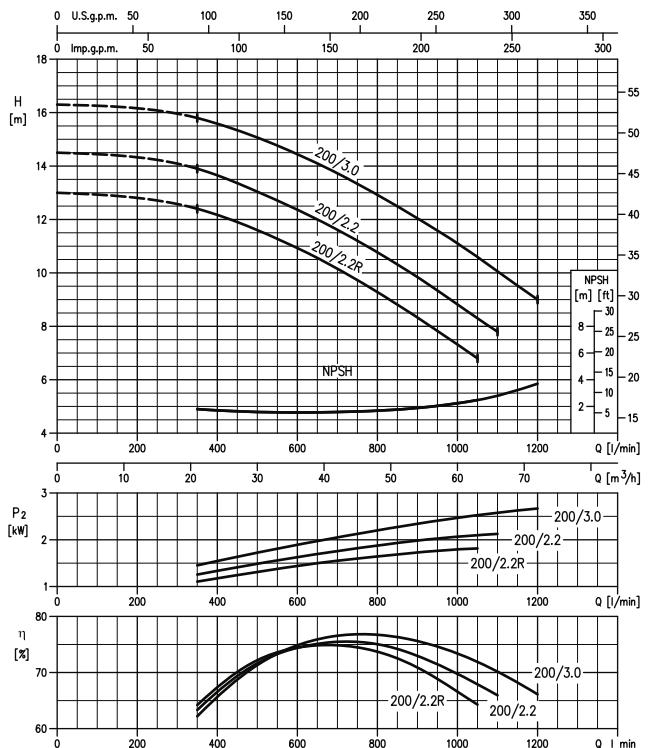
## 4 Poles

## 3D(.)4 65-160



## 4 Poles

## 3D(.)4 65-200

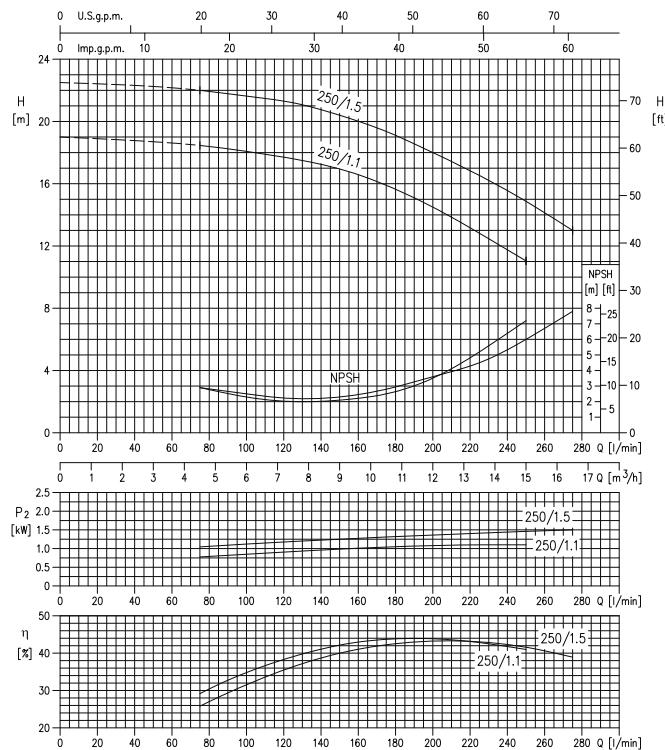


## 4 Poles

# MMD4

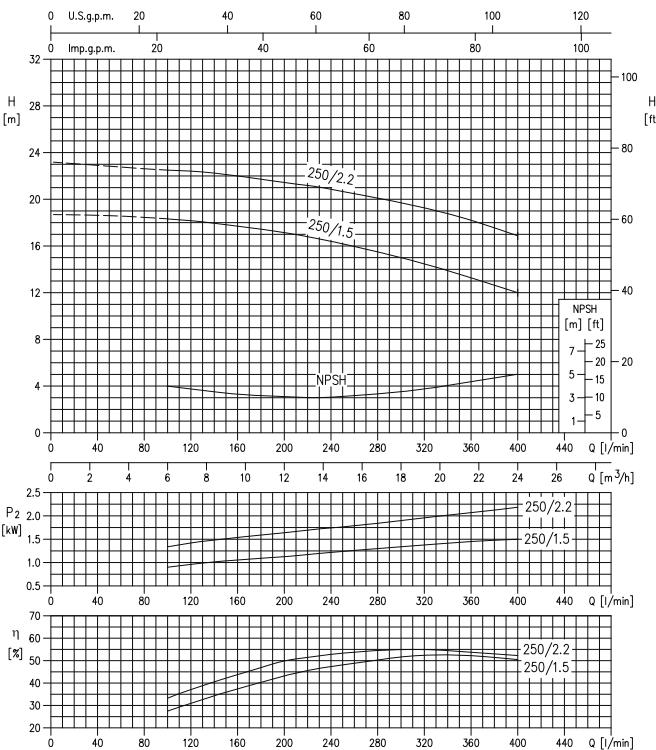
End suction pumps in cast iron with impeller in cast iron (4 poles)

## MMD4 32-250



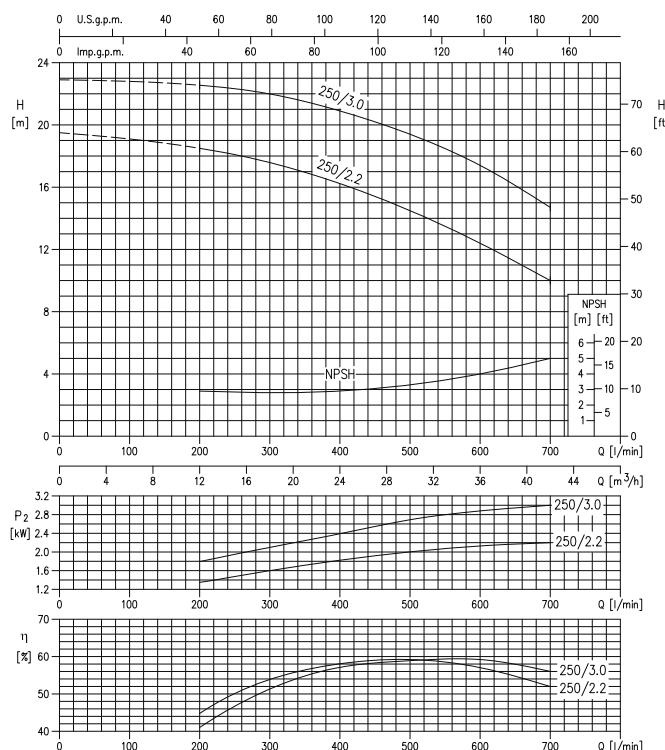
## 4 Poles

## MMD4 40-250



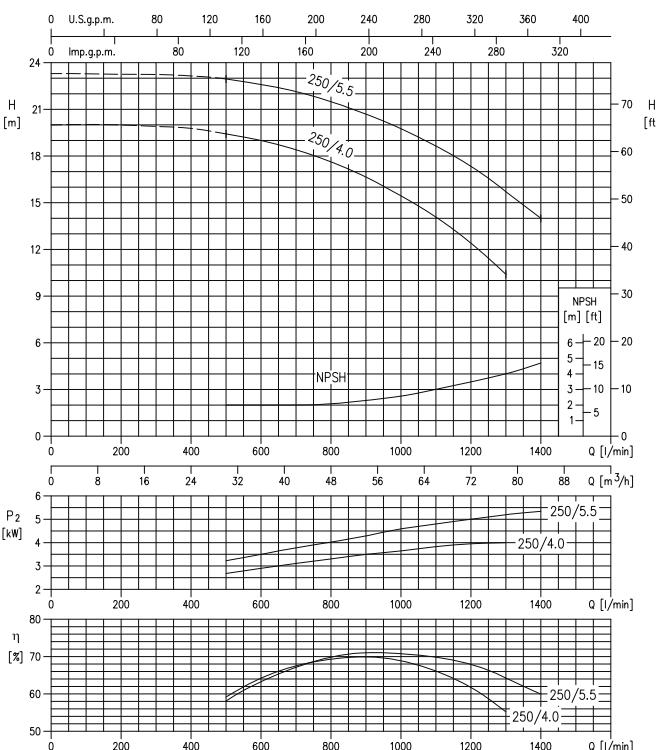
## 4 Poles

## MMD4 50-250



## 4 Poles

## MMD4 65-250

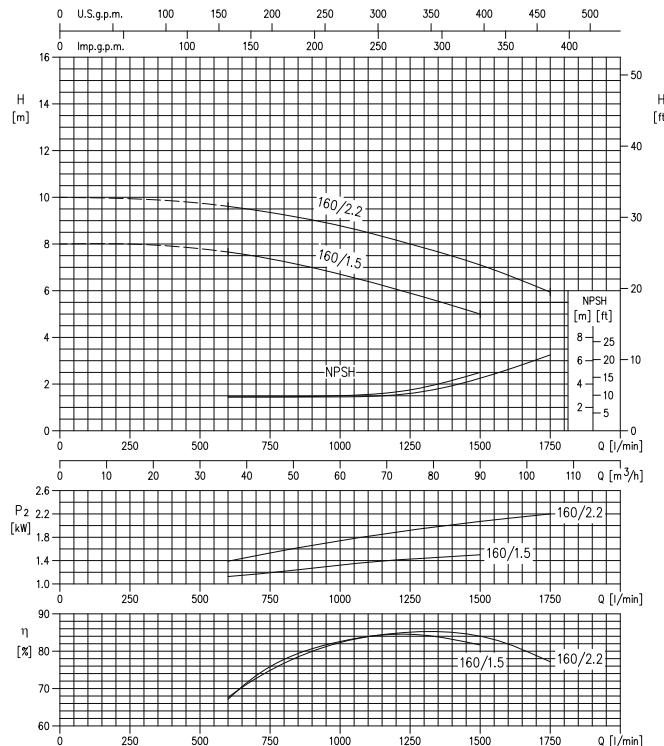


## 4 Poles

# MMD4

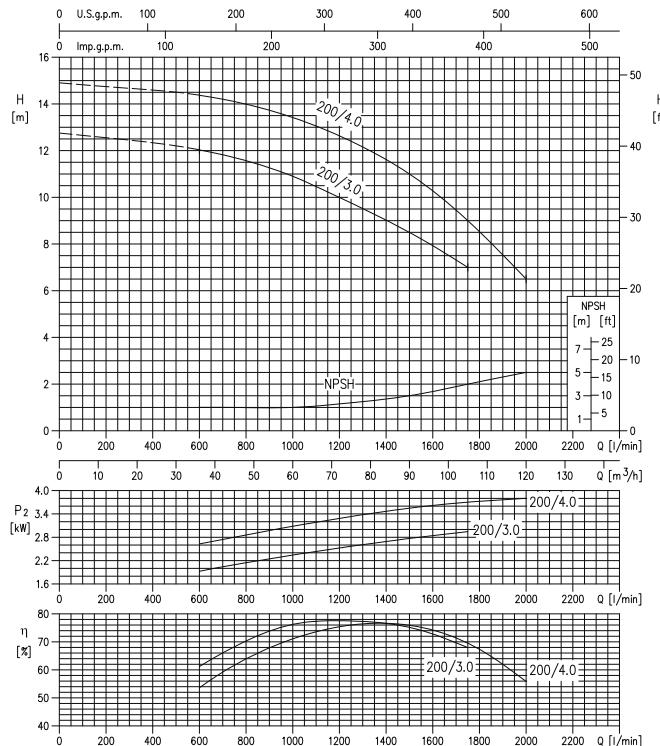
End suction pumps in cast iron with impeller in cast iron (4 poles)

## MMD4 80-160



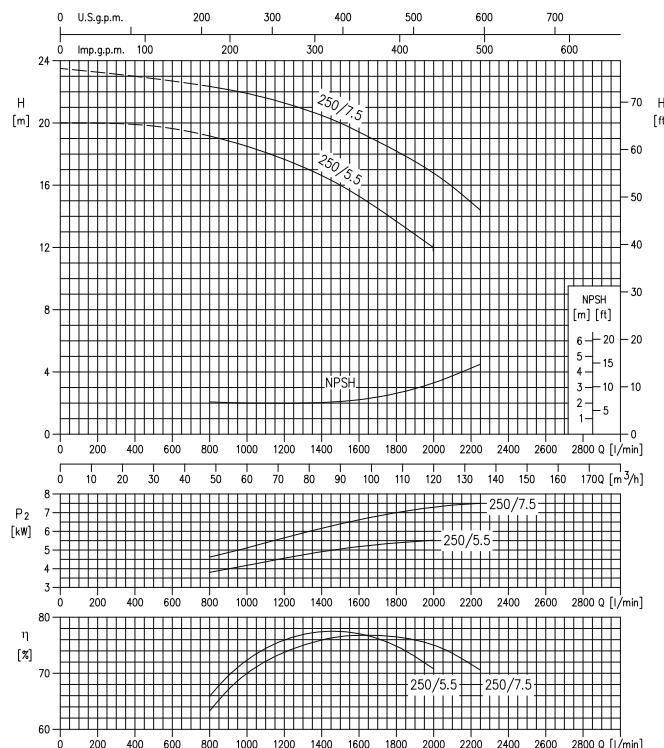
## 4 Poles

## MMD4 80-200



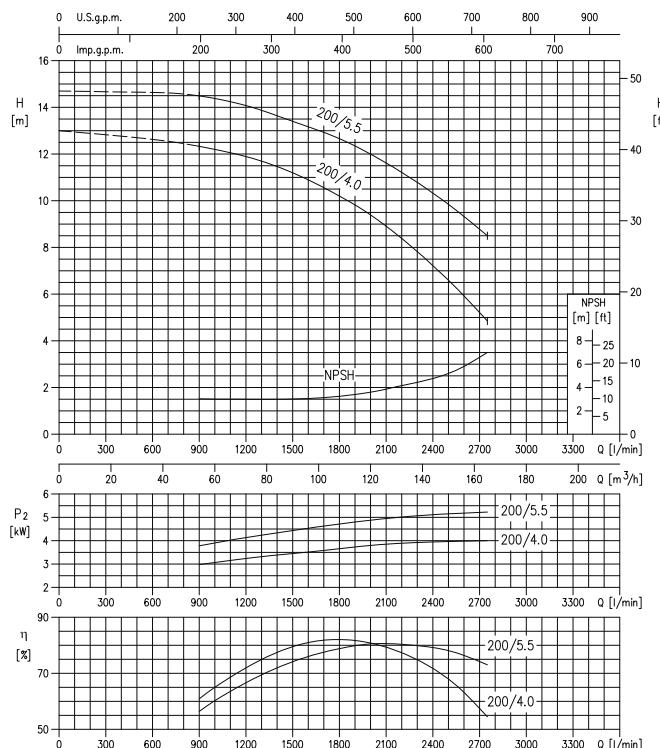
## 4 Poles

## MMD4 80-250



## 4 Poles

## MMD4 100-200

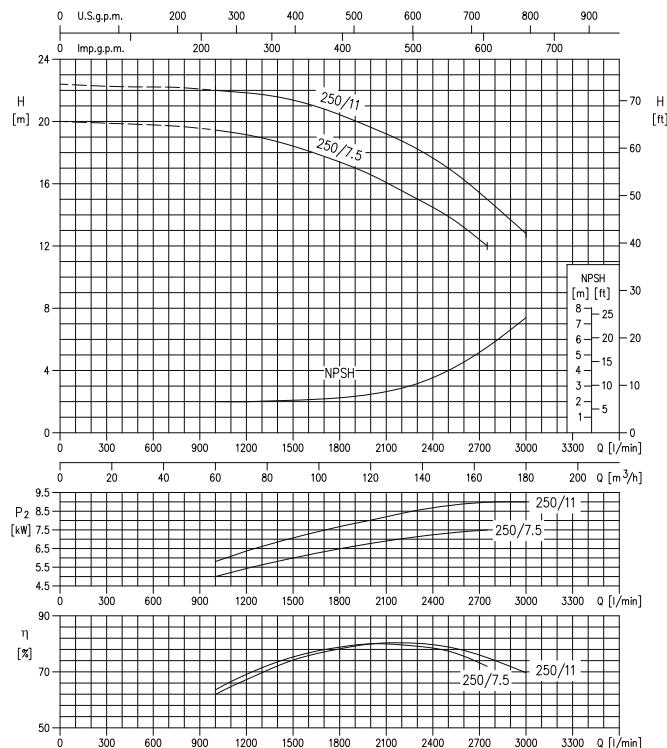


## 4 Poles

# MMD4

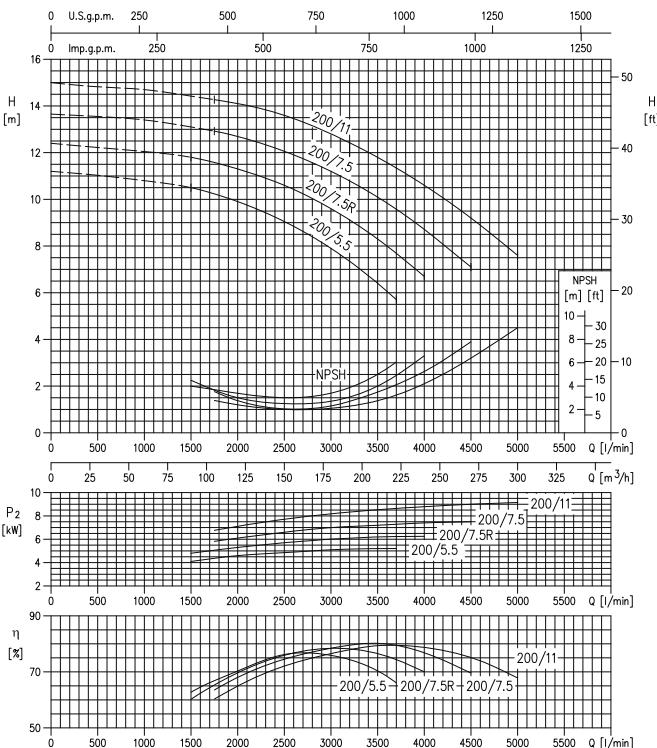
End suction pumps in cast iron with impeller in cast iron (4 poles)

## MMD4 100-250



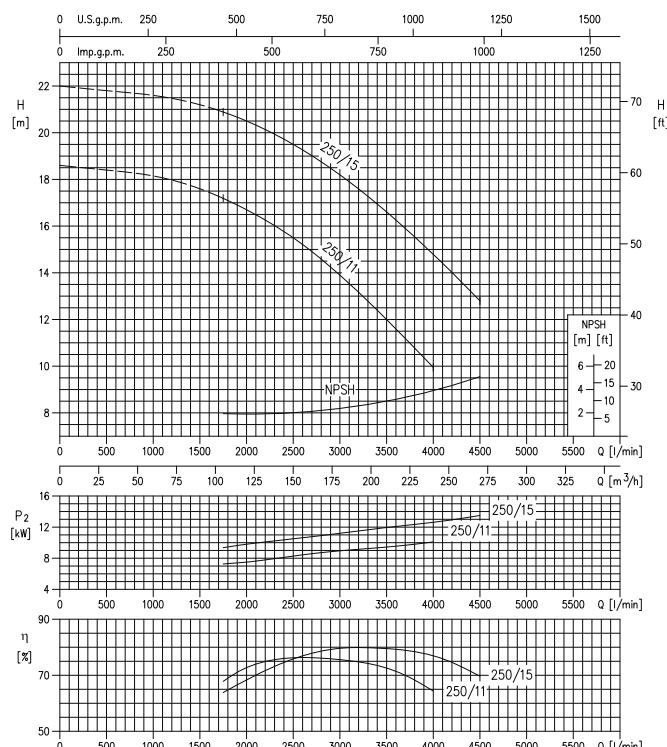
## 4 Poles

## MMD4 125-200



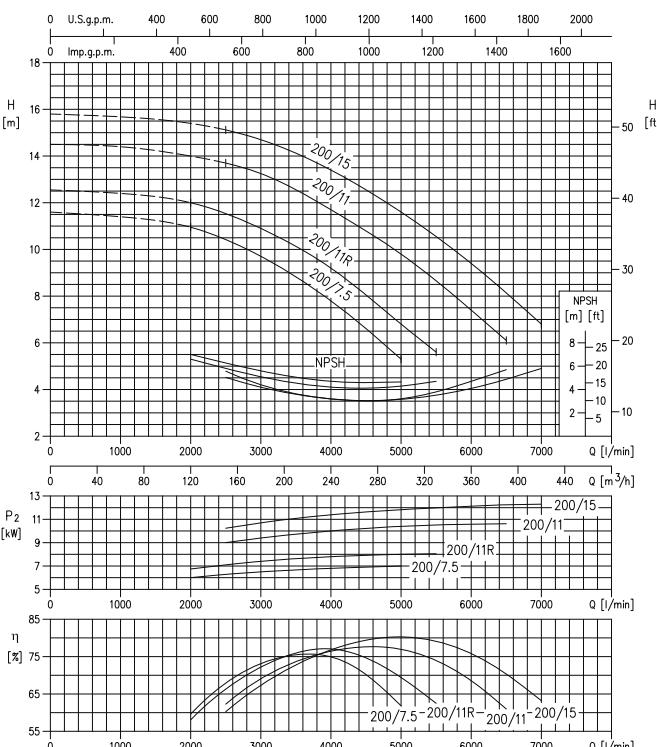
## 4 Poles

## MMD4 125-250



## 4 Poles

## MMD4 150-200



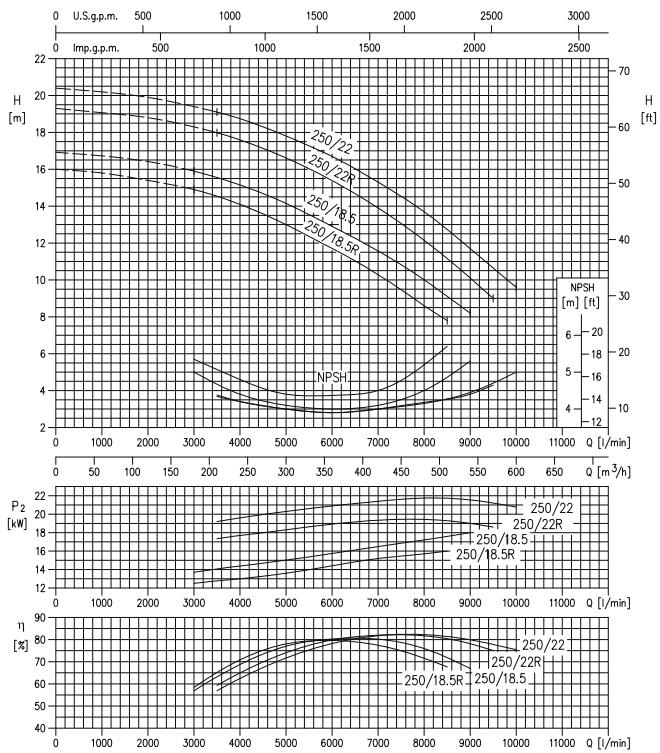
## 4 Poles

# MMD4

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

## MMD4 200-250

## 4 Poles



# 3D(.) SERIES

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

**Selection table 3D(.) 32**

2 Poles

Model	HP	kW	Q=Flow rate										
			I/min	0	100	150	200	250	300	333	360	400	450
			m³/h	0	6	9	12	15	18	20	21,6	24	27
3D(.) 32-125/1.1(M)	1,5	1,1		23	22,4	21,2	19,3	17,1	14,4	12,5	-	-	-
3D(.) 32-160/1.5(M)	2	1,5		28,5	27,5	25,9	23,7	21,3	18,5	16,4	-	-	-
3D(.) 32-160/2.2(M)	3	2,2		36,7	35,4	34,1	32,2	29,8	27,3	25,5	-	-	-
3D(.) 32-200/3.0	4	3		44,0	43,0	41,0	39,0	36,5	33,0	31,0	-	-	-
3D(.) 32-200/4.0	5,5	4		53,0	52,5	51,0	49,0	46,0	43,0	41,0	39,0	-	-
3D(.) 32-200/7.5	10	7,5		68,0	67,0	65,0	63,0	61,0	57,0	55,0	53,0	50,0	46,0

**Selection table 3D(.) 40**

2 Poles

Model	HP	kW	Q=Flow rate										
			I/min	0	200	250	300	350	400	450	500	600	700
			m³/h	0	12	15	18	21	24	27	30	36	42
3D(.) 40-125/1.5(M)	2	1,5		19,0	18,2	17,6	16,8	15,9	14,8	13,7	12,4	9,6	6,3
3D(.) 40-125/2.2(M)	3	2,2		25,0	24,4	23,9	23,2	22,4	21,4	20,4	19,2	16,5	13,7
3D(.) 40-160/3.0	4	3		31,0	29,4	28,7	27,8	26,8	25,8	24,8	23,7	21,4	18,7
3D(.) 40-160/4.0	5,5	4		38,8	37,2	36,5	35,7	34,8	33,8	32,8	31,8	29,5	27,0
3D(.) 40-200/5.5	7,5	5,5		45,5	44,5	44,0	43,0	42,0	41,0	40,0	39,0	36,3	33,0
3D(.) 40-200/7.5	10	7,5		55,0	53,5	53,0	52,0	51,5	50,5	49,5	48,5	46,0	43,0
3D(.) 40-200/11	15	11		71,0	70,0	69,0	68,5	67,5	67,0	66,0	65,0	63,0	60,0

**Selection table 3D(.) 50**

2 Poles

Model	HP	kW	Q=Flow rate										
			I/min	0	400	500	600	700	800	900	1000	1100	1200
			m³/h	0	24	30	36	42	48	54	60	66	72
3D(.) 50-125/2.2(M)	3	2,2		19,5	18,0	17,0	15,7	14,2	12,6	10,9	9,0	-	-
3D(.) 50-125/3.0	4	3		22,5	21,5	20,8	19,8	18,5	17,1	15,5	13,8	12,0	10,0
3D(.) 50-125/4.0	5,5	4		26,5	25,8	25,3	24,5	23,5	22,2	20,7	19,0	17,2	15,3
3D(.) 50-160/5.5	7,5	5,5		33,0	32,0	31,5	30,5	29,3	27,9	26,2	24,4	22,4	20,0
3D(.) 50-160/7.5	10	7,5		39,5	38,2	37,6	36,9	35,8	34,5	32,9	30,9	28,9	26,7
3D(.) 50-200/9.2	12,5	9,2		51,5	-	49,5	48,0	46,5	44,5	42,5	40,0	37,6	34,4
3D(.) 50-200/11	15	11		57,5	-	55,5	54,5	52,5	51,0	49,0	47,0	44,5	42,0
3D(.) 50-200/15	20	15		71,0	-	69,5	68,5	67,0	65,5	63,5	61,5	59,0	56,0

**Selection table 3D(.) 65**

2 Poles

Model	HP	kW	Q=Flow rate										
			I/min	0	600	700	1000	1300	1600	1900	2100	2200	2300
			m³/h	0	36	42	60	78	96	114	126	132	138
3D(.) 65-125/4.0	5,5	4		22,0	20,4	19,8	17,2	14,0	10,4	6,0	-	-	-
3D(.) 65-125/5.5	7,5	5,5		26,0	-	25,0	22,5	19,4	15,5	11,0	8,0	-	-
3D(.) 65-125/7.5	10	7,5		31,0	-	29,6	27,5	24,7	21,5	17,8	14,7	13,0	-
3D(.) 65-160/7.5	10	7,5		31,6	-	29,0	26,6	23,5	19,8	15,5	12,3	-	-
3D(.) 65-160/9.2	12,5	9,2		36,5	-	34,7	32,4	29,6	26,3	22,2	18,8	17,0	-
3D(.) 65-160/11	15	11		40,5	-	39,0	37,0	34,0	31,0	27,0	23,0	22,0	20,0
3D(.) 65-160/15	20	15		48,0	-	46,0	44,0	41,5	38,4	34,6	31,9	30,5	29,0
3D(.) 65-200/15	20	15		54,0	-	51,0	47,0	43,0	38,6	33,3	29,2	27,0	-
3D(.) 65-200/18.5	25	18,5		60,0	-	58,0	55,0	51,0	47,0	41,5	37,9	35,9	33,6
3D(.) 65-200/22	30	22		68,0	-	65,5	62,5	58,5	54,5	49,5	46	44,5	42,5

# 3D(.)4 SERIES

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

**Selection table 3D(.)4 32**

**4 Poles**

Model	HP	kW	Q=Flow rate					
			l/min		0	50	100	150
			m³/h	0	3	6	9	10,5
H=Total head [m]								
3D(.)4 32-125/0.25	0,33	0,25		5,7	5,5	4,7	3,5	2,8
3D(.)4 32-160/0.37R	0,5	0,37		7,3	7,0	6,2	5,0	4,2
3D(.)4 32-160/0.37	0,5	0,37		9,0	8,7	8,1	7,0	6,3
3D(.)4 32-200/0.55R	0,75	0,55		10,8	10,3	9,2	7,3	6,2
3D(.)4 32-200/0.55	0,75	0,55		12,5	12,0	11,0	9,2	8,0
3D(.)4 32-200/0.75	1	0,75		17,5	17,1	16,1	14,3	13,2

**Selection table 3D(.)4 40**

**4 Poles**

Model	HP	kW	Q=Flow rate							
			l/min		0	100	150	175	200	250
			m³/h	0	6	9	10,5	12	15	18
H=Total head [m]										
3D(.)4 40-125/0,37R	0,5	0,37		5,1	4,8	4,5	4,3	4	3,4	2,6
3D(.)4 40-125/0,37	0,5	0,37		6,5	6,3	6,0	5,8	5,5	4,9	4,2
3D(.)4 40-160/0,55R	0,75	0,55		7,7	7,3	6,9	6,6	6,3	5,7	5,0
3D(.)4 40-160/0,55	0,75	0,55		9,1	8,6	8,1	7,8	7,5	6,9	6,2
3D(.)4 40-200/1,1R	1,5	1,1		11,6	11,2	10,8	10,5	10,1	9,4	8,6
3D(.)4 40-200/1,1	1,5	1,1		13,6	13,2	12,7	12,4	12,1	11,4	10,6
3D(.)4 40-200/1,5	2	1,5		18,0	17,7	17,3	17,1	16,8	16,1	15,2

**Selection table 3D(.)4 50**

**4 Poles**

Model	HP	kW	Q=Flow rate								
			l/min		0	200	250	300	350	400	500
			m³/h	0	12	15	18	21	24	30	36
H=Total head [m]											
3D(.)4 50-125/0,55R	0,75	0,55		5,4	5,2	5	4,7	4,4	4,0	3,2	2,3
3D(.)4 50-125/0,55	0,75	0,55		6,4	6,2	6	5,7	5,4	5,0	4,2	3,3
3D(.)4 50-160/1,1R	1,5	1,1		8,2	7,8	7,6	7,2	6,9	6,4	5,5	4,5
3D(.)4 50-160/1,1	1,5	1,1		9,5	9,1	8,9	8,6	8,3	7,9	7,0	6,0
3D(.)4 50-200/1,5R	2	1,5		12,7	12,1	11,8	11,4	11,0	10,5	9,3	8,0
3D(.)4 50-200/1,5	2	1,5		14,0	13,3	13,0	12,7	12,2	11,8	10,6	9,2
3D(.)4 50-200/2,2	3	2,2		17,8	17,5	17,3	17,0	16,6	16,2	15,1	13,8

**Selection table 3D(.)4 65**

**4 Poles**

Model	HP	kW	Q=Flow rate											
			l/min		0	300	350	500	600	800	950	1000	1050	1100
			m³/h	0	18	21	30	36	48	57	60	63	66	72
H=Total head [m]														
3D(.)4 65-125/0,55	0,75	0,55		5,3	4,8	4,6	4,0	3,5	2,3	1,4	-	-	-	-
3D(.)4 65-125/0,75	1	0,75		6,4	6,0	5,8	5,2	4,6	3,5	2,5	2,2	-	-	-
3D(.)4 65-125/1,1	1,5	1,1		7,7	7,2	7,0	6,3	5,7	4,5	3,5	3,2	2,8	-	-
3D(.)4 65-160/1,1	1,5	1,1		8,6	-	8,1	7,4	6,9	5,7	4,6	4,2	3,8	-	-
3D(.)4 65-160/1,5	2	1,5		9,7	-	9,2	8,5	8,0	6,7	5,7	5,3	4,9	4,5	-
3D(.)4 65-160/2,2	3	2,2		11,8	-	11,3	10,6	10,1	8,8	7,6	7,2	6,8	6,4	5,5
3D(.)4 65-200/2,2R	3	2,2		13	-	12,4	11,6	10,9	9,3	7,8	7,3	6,8	-	-
3D(.)4 65-200/2,2	3	2,2		14,5	-	13,9	13,0	12,4	10,8	9,3	8,8	8,3	7,8	-
3D(.)4 65-200/3	4	3		16,3	-	15,8	15,1	14,4	12,9	11,6	11,1	10,6	10,1	9,0

# MD - MMD

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

**Selection table MD 32-40-50**
**2 Poles**

Model	HP	kW	Q=Flow rate															
			I/min	0	100	200	250	280	320	400	550	600	667	700	800	1000	1100	1150
			m³/h	0	6	12	15	17	19	24	33	36	40	42	48	60	66	72
MD 32-250/5.5	7,5	5,5		58,0	56,5	53,0	50,4	48,6	45,7	38,0	-	-	-	-	-	-	-	-
MD 32-250/7.5	10	7,5		71,5	70,0	67,1	64,5	62,7	60,0	53,0	-	-	-	-	-	-	-	-
MD 32-250/9.2	12,5	9,2		82,5	81,2	78,2	75,8	74,0	71,4	65,0	-	-	-	-	-	-	-	-
MD 32-250/11	15	11		91,0	89,0	86,0	84,0	82,0	79,0	73,0	-	-	-	-	-	-	-	-
MD 40-250/11	15	11		75,0	-	74,0	73,0	72,2	71,0	68,2	60,1	56,3	49,8	46	-	-	-	-
MD 40-250/15	20	15		93,8	-	92,7	92,1	91,7	90,8	88,1	81,2	78,0	72,9	70	-	-	-	-
MD 50-250/15	20	15		72,8	-	-	-	-	-	71,2	69,2	68,2	66,6	65,7	62,6	54,2	49,0	46,1
MD 50-250/18,5	25	18,5		82,8	-	-	-	-	-	81,5	79,5	78,5	77,0	76,1	73,2	66	61,4	58,9
MD 50-250/22	30	22		93	-	-	-	-	-	91,6	89,7	88,9	87,6	86,9	84,3	77,4	73,0	70,4

**Selection table MMD 65-80-100**
**2 Poles**

Model	HP	kW	Q=Flow rate														
			I/min	0	800	1000	1250	1500	1750	2000	2250	2500	2750	3000	3500	4000	4500
			m³/h	0	48	60	75	90	105	120	135	150	165	180	210	240	270
MMD 65-250/22	30	22		65,0	64,0	63,0	61,0	57,0	53,0	-	-	-	-	-	-	-	-
MMD 65-250/30	40	30		78,0	77,0	76,0	74,0	70,0	66,0	60,0	53,0	-	-	-	-	-	-
MMD 65-250/37	55	37		86,5	86,0	85,0	83,0	79,0	75,0	70,0	64,0	-	-	-	-	-	-
MMD 80-160/11	15	11		24,8	-	24,0	23,0	22,0	21,0	19,5	18,0	16,5	15,0	-	-	-	-
MMD 80-160/15R	20	15		29,5	-	28,5	28,0	27,0	26,0	24,5	23,0	21,5	20,0	18,5	-	-	-
MMD 80-160/15	20	15		35,0	-	34,0	33,3	32,5	31,8	31,0	29,0	27,5	26,0	24,3	-	-	-
MMD 80-200/18,5	25	18,5		42,0	-	42,0	41,0	40,0	38,5	37,0	35,0	33,0	30,5	28	-	-	-
MMD 80-200/22	30	22		47,0	-	47,0	46,5	45,5	44,5	43,0	41,0	39,0	37,0	34,0	-	-	-
MMD 80-200/30	40	30		55,5	-	55,0	54,0	53,0	52,0	51,0	49,0	47,0	45,0	43,0	37,0	-	-
MMD 80-200/37	55	37		57,5	-	57,0	57,0	56,5	56,0	55,0	54,0	52,5	51,0	48,0	42,0	-	-
MMD 80-250/37	55	37		68,5	-	-	67,5	67,0	66,2	65,0	63,3	61,0	58,3	55,0	47,0	-	-
MMD 100-200/22	30	22		40,0	-	-	-	38,5	38,0	37,0	36,0	34,5	33	31,5	28,0	24,0	-
MMD 100-200/30	40	30		48,0	-	-	-	47,0	46,3	45,6	44,8	43,7	42,4	41,0	38,0	34,6	30,0
MMD 100-200/37	55	37		54,0	-	-	-	53,5	53,5	53,0	52,0	51,0	50,0	49,0	46,0	43,0	38,0



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



## End suction pumps in cast iron with impeller in AISI 304, AISI 316 and cast iron (EN 733)

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



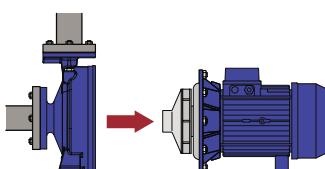
Sturdy construction



Impeller in stainless steel

## Materials

Pump body	Cast iron
Impeller	AISI 304 (EN 1.4301) AISI 316 (EN 1.4401) for 3D 65 Cast iron for MMD
Shaft	AISI 304 (EN 1.4301) AISI 420 (EN 1.4021) (MMD)
Mechanical seal	Standard = Ceramic/Carbon/NBR MMD = SiC/SiC/NBR H = Graphite/Ceramic/FPM HS = Silicon carbide/Silicon carbide/FPM HW = Tungsten carbide/Tungsten carbide/FPM HSW = Silicon carbide/Tungsten carbide/FPM E = Graphite/Ceramic/EPDM
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 version -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 1~230V ±10% Three phase 3~230/400V ±10% (up to 4 kW included) Three phase 3~400/690V ±10% (from 5,5kW and above for MD) (from 7,5kW for MMD)

Permanent split capacitor built in overload motor protector with automatic reset. The three phase version does not have an internal motor protector, therefore overload protection must be provided by the user.

\* **ATTENTION:** Approximate temperature range referred to the limits of mechanical seal materials. For applications with special fluid, different from standard limits indicated in the specific series, please contact our Technical Customer Service.

## Accessories



### Counterflanges kit

Page 447 - Galvanized counterflanges kit



### Control systems

Page 426 - **E-SPD**  
Variable speed control systems

Page 428 - **E-drive**

Variable speed control systems

Page 424 - **Control panels**

SMART EVO 1-2, DIRECTO 1-2, STARDELTA 1-2

## Options



### Mechanical seal

Page 458 - See all the available mechanical seal versions

# 3D SERIES

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



## Single phase 230V

Model	Code	HP	kW	Abs. Curr. [A] 230V			DNA	DNM	Weight [kg]
3D 32-125/1,1 M	2540070000	1,5	1,1	6,7			50	32	25,0
3D 32-160/1,5 M	2540080000	2	1,5	9,6			50	32	29,0
3D 32-160/2,2 M	2540100000	3	2,2	13,3			50	32	35,7
3D 40-125/1,5 M	2541080000	2	1,5	9,6			65	40	25,5
3D 40-125/2,2 M	2541100000	3	2,2	13,3			65	40	31,7
3D 50-125/2,2 M	2542100000	3	2,2	13,3			65	50	34,4

Pumps supplied without counterflanges. See counterflanges kit on page 447

## Three phase 230/400/690V

Model	Code	HP	kW	Abs. Curr. [A]			DNA	DNM	Weight [kg]
				230V	400V	690V			
3D/I 32-125/1,1	2540070004I	1,5	1,1	5,8	3,3	-	50	32	29,5
3D/I 32-160/1,5	2540080004I	2	1,5	5,8	3,3	-	50	32	33,5
3D/I 32-160/2,2	2540100004I	3	2,2	8,2	4,7	-	50	32	36,0
3D/I 32-200/3,0	2540110004I	4	3	11,1	6,4	-	50	32	47,5
3D/I 32-200/4,0	2540120004I	5,5	4	15,1	8,7	-	50	32	50,0
3D/I 32-200/7,5	2540140004I	10	7,5	-	13,6	7,9	50	32	65,1
3D/I 40-125/1,5	2541080004I	2	1,5	5,8	3,3	-	65	40	30,0
3D/I 40-125/2,2	2541100004I	3	2,2	8,2	4,7	-	65	40	32,0
3D/I 40-160/3,0	2541110004I	4	3	11,1	6,4	-	65	40	39,0
3D/I 40-160/4,0	2541120004I	5,5	4	15,1	8,7	-	65	40	48,0
3D/I 40-200/5,5	2541130004I	7,5	5,5	-	10,6	6,1	65	40	60,0
3D/I 40-200/7,5	2541140004I	10	7,5	-	13,6	7,9	65	40	66,1
3D/I 40-200/11	2541160004I	15	11	-	21,3	12,3	65	40	82,4
3D/I 50-125/2,2	2542100004I	3	2,2	8,2	4,7	-	65	50	37,0
3D/I 50-125/3,0	2542110004I	4	3	11,1	6,4	-	65	50	39,5
3D/I 50-125/4,0	2542120004I	5,5	4	15,1	8,7	-	65	50	48,0
3D/I 50-160/5,5	2542130004I	7,5	5,5	-	10,6	6,1	65	50	60,0
3D/I 50-160/7,5	2542140004I	10	7,5	-	13,6	7,9	65	50	67,1
3D/I 50-200/9,2	2542150004I	12,5	9,2	-	17,2	10	65	50	77,0
3D/I 50-200/11	2542160004I	15	11	-	21,3	12,3	65	50	82,4
3D/I 50-200/15	2542170004I	20	15	-	30,0	17,3	65	50	124,1
3D/I 65-125/4,0	2543120004I	5,5	4	15,1	8,7	-	80	65	53,0
3D/I 65-125/5,5	2543130004I	7,5	5,5	-	10,6	6,1	80	65	65,0
3D/M 65-125/7,5	2549130004M	10	7,5	-	13,6	7,9	80	65	72,6
3D/M 65-160/7,5	2543140004M	10	7,5	-	13,6	7,9	80	65	73,1
3D/M 65-160/9,2	2543150004M	12,5	9,2	-	17,2	10	80	65	85,0
3D/M 65-160/11	2543160004M	15	11	-	21,3	12,3	80	65	87,4
3D/M 65-160/15	2543170004M	20	15	-	27,7	17,3	80	65	129,1
3D/M 65-200/15	2544170004M	20	15	-	27,7	17,3	80	65	129,1
3D/M 65-200/18,5	2544180004M	25	18,5	-	35	20,3	80	65	146,3
3D/M 65-200/22	2544190004M	30	22	-	39,7	23,6	80	65	158,1

Pumps supplied without counterflanges. See counterflanges kit on page 447

# 3D4 SERIES



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

Model	Code	HP	kW	Abs. Curr.		4 Poles	
				230V	[A]	400V	DNA
							DNM
3D4 32-125/0,25	2540010004	0,33	0,25	1,9	1,1	50	32
3D4 32-160/0,37R	2540020004	0,5	0,37	2,6	1,5	50	32
3D4 32-160/0,37	2540920004	0,5	0,37	2,6	1,5	50	32
3D4 32-200/0,55R	2540030004	0,75	0,55	2,6	1,5	50	32
3D4 32-200/0,55	2540930004	0,75	0,55	2,6	1,5	50	32
3D4/I 32-200/0,75	2540050004I	1	0,75	4,6	2,7	50	32
3D4 40-125/0,37R	2541020004	0,5	0,37	1,9	1,1	65	40
3D4 40-125/0,37	2541920004	0,5	0,37	1,9	1,1	65	40
3D4 40-160/0,55R	2541030004	0,75	0,55	2,6	1,5	65	40
3D4 40-160/0,55	2541930004	0,75	0,55	2,6	1,5	65	40
3D4/I 40-200/1,1R	2541070004I	1,5	1,1	4,6	2,7	65	40
3D4/I 40-200/1,1	2541970004I	1,5	1,1	4,6	2,7	65	40
3D4/I 40-200/1,5	2541980004I	2	1,5	6,2	3,6	65	40
3D4 50-125/0,55R	2542030004	0,75	0,55	2,6	1,5	65	50
3D4 50-125/0,55	2542930004	0,75	0,55	2,6	1,5	65	50
3D4/I 50-160/1,1R	2542070004I	1,5	1,1	4,6	2,7	65	50
3D4/I 50-160/1,1	2542970004I	1,5	1,1	4,6	2,7	65	50
3D4/I 50-200/1,5R	2542080004I	2	1,5	6,2	3,6	65	50
3D4/I 50-200/1,5	2542980004I	2	1,5	6,2	3,6	65	50
3D4/I 50-200/2,2	2542900004I	3	2,2	7,8	4,5	65	50
3D4/H 65-125/0,55	2543030004H	0,75	0,55	2,6	1,5	80	65
3D4/I 65-125/0,75	2543040004I	1	0,75	4,6	2,7	80	65
3D4/I 65-125/1,1	2543070004I	1,5	1,1	4,6	2,7	80	65
3D4/I 65-160/1,1	2543970004I	1,5	1,1	4,6	2,7	80	65
3D4/I 65-160/1,5	2543080004I	2	1,5	6,2	3,6	80	65
3D4/I 65-160/2,2	2543100004I	3	2,2	7,8	4,5	80	65
3D4/I 65-200/2,2 R	2544100004I	3	2,2	7,8	4,5	80	65
3D4/I 65-200/2,2	2544900004I	3	2,2	7,8	4,5	80	65
3D4/I 65-200/3,0	2544110004I	4	3	11,8	6,8	80	65

Pumps supplied without counterflanges. See counterflanges kit on page 447

# MD

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



Model	Code	HP	kW	Abs. Curr.		DNA	DNM	Weight [kg]
				400V	[A]			
MD/I 32-250/5,5	1220930006I	7,5	5,5	10,6	6,1	50	32	74,2
MD/I 32-250/7,5	1220940006I	10	7,5	13,6	7,9	50	32	77,7
MD/I 32-250/9,2	1220970006I	12,5	9,2	17,2	10	50	32	94,5
MD/I 32-250/11	1220960006I	15	11	21,3	12,3	50	32	97,4
MD/I 40-250/11	1230960006I	15	11	21,3	12,3	65	40	100,4
MD/I 40-250/15	1230970006I	20	15	27,7	17,3	65	40	105,1
MD/I 50-250/15	1240980006I	20	15	27,7	17,3	65	50	106,1
MD/I 50-250/18,5	1240990006I	25	18,5	35	20,3	65	50	136,3
MD/I 50-250/22	1240910006I	30	22	39,7	23,6	65	50	161,1

Pumps supplied without counterflanges. See counterflanges kit on page 447

# MMD

## End suction pumps in cast iron with impeller in cast iron



Model	Code	HP	kW	Abs. Curr.		DNA	DNM	Weight [kg]
				400V	[A]			
MMD/I 65-250/22	2053190004I	30	22	39,4	22,8	80	65	141,0
MMD/I 65-250/30	2053200004I	41	30	52,1	30,1	80	65	264,0
MMD/I 65-250/37	2053250004I	50	37	62,6	36,1	80	65	297,0
MMD/I 80-160/11	2054230004I	15	11	19,9	11,5	100	80	87,0
MMD/I 80-160/15 R	2054240004I	20	15	26,8	15,5	100	80	90,0
MMD/I 80-160/15	2054170004I	20	15	26,8	15,5	100	80	90,0
MMD/I 80-200/18,5	2054180004I	25	18,5	33	19	100	80	137,0
MMD/I 80-200/22	2054190004I	30	22	39,4	22,7	100	80	147,0
MMD/I 80-200/30	2054200004I	41	30	52,1	30	100	80	284,0
MMD/I 80-200/37	2054250004I	50	37	62,6	36	100	80	317,0
MMD/I 80-250/37	2054250104I	50	37	62,6	36	100	80	320,0
MMD/I 100-200/22	2055190004I	30	22	39,4	22,7	125	100	157,0
MMD/I 100-200/30	2055200004I	41	30	52,1	30	125	100	294,0
MMD/I 100-200/37	2055250004I	50	37	62,6	36	125	100	327,0

Pumps supplied without counterflanges. See counterflanges kit on page 447

# MMD4



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

Three phase 230/400/690V		4 Poles							
Model	Code	HP	kW	230V	Abs. Curr. [A] 400V	690V	DNA	DNM	Weight [kg]
MMD4/I 32-250/1,1	2050070404I	1,5	1,1	4,2	2,4	-	50	32	50,0
MMD4/I 32-250/1,5	2050080404I	2	1,5	5,6	3,2	-	50	32	51,0
MMD4/I 40-250/1,5	2051080504I	2	1,5	5,6	3,2	-	65	40	49,0
MMD4/I 40-250/2,2	2051100404I	3	2,2	8,3	4,8	-	65	40	55,0
MMD4/I 50-250/2,2	2052100404I	3	2,2	8,3	4,8	-	65	50	58,0
MMD4/I 50-250/3,0	2052110404I	4	3	11,8	6,8	-	65	50	65,0
MMD4/I 65-250/4,0	2053120404I	5,5	4	14,2	8,2	-	80	65	79,0
MMD4/I 65-250/5,5	2053130406I	7,5	5,5	18,4	10,6	-	80	65	103,0
MMD4/I 80-160/1,5	2054080404I	2	1,5	5,6	3,2	-	100	80	46,0
MMD4/I 80-160/2,2	2054100404I	3	2,2	8,3	4,8	-	100	80	52,0
MMD4/I 80-200/3,0	2054110404I	4	3	11,8	6,8	-	100	80	68,0
MMD4/I 80-200/4,0	2054120404I	5,5	4	14,2	8,2	-	100	80	72,0
MMD4/I 80-250/5,5	2054130406I	7,5	5,5	18,4	10,6	-	100	80	109,0
MMD4/I 80-250/7,5	2054140404I	10	7,5	-	16,4	9,5	100	80	119,0
MMD4/I 100-200/4,0	2055120404I	5,5	4	14,2	8,2	-	125	100	77,0
MMD4/I 100-200/5,5	2055130406I	7,5	5,5	18,4	10,6	-	125	100	103,0
MMD4/I 100-250/7,5	2055140404I	10	7,5	-	16,4	9,5	125	100	125,0
MMD4/I 100-250/11	2055150404I	15	11	-	22,0	12,7	125	100	168,0
MMD4/I 125-200/5,5	2056130406I	7,5	5,5	18,4	10,6	-	150	125	137,0
MMD4/I 125-200/7,5R	2056140504I	10	7,5	-	16,4	9,5	150	125	147,0
MMD4/I 125-200/7,5	2056140404I	10	7,5	-	16,4	9,5	150	125	147,0
MMD4/I 125-200/11	2056150404I	15	11	-	22,0	12,7	150	125	190,0
MMD4/I 125-250/11	2056160404I	15	11	-	22,0	12,7	150	125	196,0
MMD4/I 125-250/15	2056170404I	20	15	-	29,0	16,7	150	125	216,0
MMD4/I 150-200/7,5	2057140404I	10	7,5	-	16,4	9,5	200	150	180,0
MMD4/I 150-200/11 R	2057150404I	15	11	-	22,0	12,7	200	150	223,0
MMD4/I 150-200/11	2057160404I	15	11	-	22,0	12,7	200	150	223,0
MMD4/I 150-200/15	2057170404I	20	15	-	29,0	16,7	200	150	229,0
MMD4/I 200-250/18,5R	2058180504I	25	18,5	-	34,3	19,8	250	200	368,0
MMD4/I 200-250/18,5	2058180404I	25	18,5	-	34,3	19,8	250	200	368,0
MMD4/I 200-250/22R	2058190504I	30	22	-	40,2	23,2	250	200	383,0
MMD4/I 200-250/22	2058190404I	30	22	-	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 (EN 733)

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



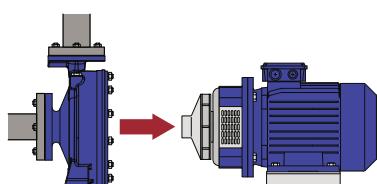
Sturdy construction



Impeller in stainless steel

## Materials

Pump body	Cast iron
Impeller	AISI 304 (EN 1.4301) AISI 316 (EN 1.4401) for 3DS 65
Shaft	AISI 304 (EN 1.4301)
Mechanical seal	Standard = Ceramic/Carbon/NBR H = Graphite/Ceramic/FPM HS = Silicon carbide/Silicon carbide/FPM HW = Tungsten carbide/Tungsten carbide/FPM HSW = Silicon carbide/Tungsten carbide/FPM E = Graphite/Ceramic/EPDM
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 (clear water)	-5°C ÷ +90°C -5°C ÷ +110°C for H-HS-HW-HSW versions -5°C ÷ +120°C for E version
MEI	> 0,4
Poles	2 and 4
Insulation class	F (rise temperature class B)
Protection degree	IP55
Voltage	Three phase 3~230/400V ±10% (up to 4 kW included) Three phase 3~400/690V ±10% (from 5,5kW and above)

The pump does not have an internal motor protector, therefore overload protection must be provided by the user.

\* ATTENTION: Approximate temperature range referred to the limits of mechanical seal materials. For applications with special fluid, different from standard limits indicated in the specific series, please contact our Technical Customer Service.

## Accessories



### Counterflanges kit

Page 447 - Galvanized counterflanges kit



### Control systems

Page 426 - **E-SPD**  
Variable speed control systems

Page 428 - **E-drive**  
Variable speed control systems

Page 424 - **Control panels**  
SMART EVO 1-2, DIRECTO 1-2,  
STARDELTA 1-2

## Options



### Mechanical seal

Page 458 - See all the available mechanical seal versions

## Standard Motors

IEC Standard motor is used.

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



# 3DS SERIES



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

Model	Code	HP	kW	Abs. Curr.			DNA	DNM	Weight [kg]
				230V	400V	690V			
3DS/I 32-125/1,1	2560070004I	1,5	1,1	4,2	2,4	-	50	32	32,1
3DS/I 32-160/1,5	2560080004I	2	1,5	5,2	3,0	-	50	32	36,3
3DS/I 32-160/2,2	2560100004I	3	2,2	8	4,6	-	50	32	40,4
3DS/I 32-200/3,0	2560110004I	4	3	9,7	5,6	-	50	32	59,3
3DS/I 32-200/4,0	2560120004I	5,5	4	12,1	7,0	-	50	32	60,8
3DS/I 32-200/7,5	2560140004I	10	7,5	-	13,1	7,6	50	32	92,0
3DS/I 40-125/1,5	2561080004I	2	1,5	5,2	3,0	-	65	40	31,9
3DS/I 40-125/2,2	2561100004I	3	2,2	8,0	4,6	-	65	40	35,5
3DS/I 40-160/3,0	2561110004I	4	3	9,7	5,6	-	65	40	65,6
3DS/I 40-160/4,0	2561120004I	5,5	4	12,1	7,0	-	65	40	51,8
3DS/I 40-200/5,5	2561130004I	7,5	5,5	-	10,0	5,8	65	40	79,7
3DS/I 40-200/7,5	2561140004I	10	7,5	-	13,1	7,6	65	40	88,8
3DS/I 40-200/11,0	2561160004I	15	11	-	19,7	11,4	65	40	130,8
3DS/I 50-125/2,2	2562100004I	3	2,2	8,0	4,6	-	65	50	37,9
3DS/I 50-125/3,0	2562110004I	4	3	9,7	5,6	-	65	50	44,1
3DS/I 50-125/4,0	2562120004I	5,5	4	12,1	7,0	-	65	50	52,7
3DS/I 50-160/5,5	2562130004I	7,5	5,5	-	10,0	5,8	65	50	77,3
3DS/I 50-160/7,5	2562140004I	10	7,5	-	13,1	7,6	65	50	99,5
3DS/I 50-200/9,2	2562150004I	12,5	9,2	-	16,5	9,5	65	50	104,0
3DS/I 50-200/11,0	2562160004I	15	11	-	19,7	11,4	65	50	130,8
3DS/I 50-200/15,0	2562170004I	20	15	-	26,7	15,4	65	50	166,9
3DS/I 65-125/4,0	2563120004I	5,5	4	12,1	7,0	-	80	65	65,4
3DS/I 65-125/5,5	2563130004I	7,5	5,5	-	10,0	5,8	80	65	76,3
3DS/M 65-125/7,5	2563140004M	10	7,5	-	13,1	7,6	80	65	99,9
3DS/M 65-160/7,5	2566140004M	10	7,5	-	13,1	7,6	80	65	99,2
3DS/M 65-160/9,2	2563150004M	12,5	9,2	-	16,5	9,5	80	65	108,0
3DS/M 65-160/11,0	2563160004M	15	11	-	19,7	11,4	80	65	106,8
3DS/M 65-160/15,0	2563170004M	20	15	-	26,7	15,4	80	65	142,9
3DS/M 65-200/15,0	2566170004M	20	15	-	26,7	15,4	80	65	156,9
3DS/M 65-200/18,5	2563180004M	25	18,5	-	33,0	19,1	80	65	158,5
3DS/M 65-200/22,0	2563190004M	30	22	-	38,0	22,0	80	65	197,0

Pumps supplied without counterflanges. See counterflanges kit on page 447

"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)



Model	Code	HP	kW	Abs. Curr.		DNA	DNM	Weight [kg]
				230V	[A]			
3DS4 32-125/0,25	2560010004	0,33	0,25	1,6	0,9	50	32	24,3
3DS4 32-160/0,37R	2569020004	0,5	0,37	2,1	1,2	50	32	29,9
3DS4 32-160/0,37	2560020004	0,5	0,37	2,1	1,2	50	32	30,1
3DS4 32-200/0,55R	2569030004	0,75	0,55	2,8	1,6	50	32	39,4
3DS4 32-200/0,55	2560030004	0,75	0,55	2,8	1,6	50	32	44,4
3DS4/I 32-200/0,75	2560050004I	1	0,75	3,1	1,8	50	32	40,9
3DS4 40-125/0,37R	2568020004	0,5	0,37	2,1	1,2	65	40	25,3
3DS4 40-125/0,37	2561020004	0,5	0,37	2,1	1,2	65	40	25,3
3DS4 40-160/0,55R	2568030004	0,75	0,55	2,8	1,6	65	40	35,6
3DS4 40-160/0,55	2561030004	0,75	0,55	2,8	1,6	65	40	35,6
3DS4/I 40-200/1,1R	2568070004I	1,5	1,1	4,3	2,5	65	40	49,2
3DS4/I 40-200/1,1	2561070004I	1,5	1,1	4,3	2,5	65	40	49,2
3DS4/I 40-200/1,5	2568080004I	2	1,5	6,2	3,6	65	40	50,8
3DS4 50-125/0,55R	2567030004	0,75	0,55	2,8	1,6	65	50	36,0
3DS4 50-125/0,55	2562030004	0,75	0,55	2,8	1,6	65	50	36,0
3DS4/I 50-160/1,1R	2567070004I	1,5	1,1	4,3	2,5	65	50	49,8
3DS4/I 50-160/1,1	2562070004I	1,5	1,1	4,3	2,5	65	50	49,8
3DS4/I 50-200/1,5R	2567080004I	2	1,5	6,2	3,6	65	50	52,6
3DS4/I 50-200/1,5	2562080004I	2	1,5	6,2	3,6	65	50	52,6
3DS4/I 50-200/2,2	2567100004I	3	2,2	10,2	5,9	65	50	56,3
3DS4/H 65-125/0,55	2563030004H	0,75	0,55	2,8	1,6	80	65	36,8
3DS4/I 65-125/0,75	2563050004I	1	0,75	3,1	1,8	80	65	45,3
3DS4/I 65-125/1,1	2563070004I	1,5	1,1	4,3	2,5	80	65	47,5
3DS4/I 65-160/1,1	2566070004I	1,5	1,1	4,3	2,5	80	65	49,3
3DS4/I 65-160/1,5	2563080004I	2	1,5	6,2	3,6	80	65	61,7
3DS4/I 65-160/2,2	2563100004I	3	2,2	10,2	5,9	80	65	62,5
3DS4/I 65-200/2,2R	2565100004I	3	2,2	10,2	5,9	80	65	59,4
3DS4/I 65-200/2,2	2566100004I	3	2,2	10,2	5,9	80	65	59,9
3DS4/I 65-200/3,0	2563110004I	4	3	11,8	6,8	80	65	65,0

Pumps supplied without counterflanges. See counterflanges kit on page 447

"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.

# 3DP(4) SERIES



## End suction pumps in cast iron with impeller in AISI 304 and AISI 316 (EN 733)

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

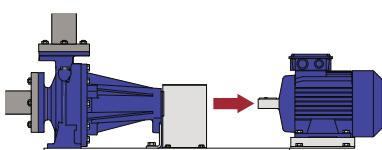


Sturdy construction



Impeller in stainless steel

## Materials

**Pump body** Cast iron**Impeller** AISI 304 (EN 1.4301)  
AISI 316 (EN 1.4401) for 3DP 65**Shaft** AISI 304 (EN 1.4301)**Mechanical seal** Standard = Ceramic/Carbon/NBR  
H = Graphite/Ceramic/FPM  
HS = Silicon carbide/Silicon carbide/FPM  
HW = Tungsten carbide/Tungsten carbide/FPM  
HSW = Silicon carbide/Tungsten carbide/FPM  
E = Graphite/Ceramic/EPDM**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

<b>Max. working pressure</b>	10 bar
<b>Max. temperature of the liquid (clear water)</b>	-5°C ÷ +90°C -5°C ÷ +110°C for H-HS-HW-HSW versions -5°C ÷ +120°C for E version
<b>MEI</b>	> 0,4
<b>Poles</b>	2 and 4
<b>Insulation class</b>	F (rise temperature class B)
<b>Protection degree</b>	IP55
<b>Voltage</b>	Three phase 3~230/400V ±10% (up to 4 kW included) Three phase 3~400/690V ±10% (from 5,5kW and above)

The pump does not have an internal motor protector, therefore overload protection must be provided by the user.

\* **ATTENTION:** Approximate temperature range referred to the limits of mechanical seal materials. For applications with special fluid, different from standard limits indicated in the specific series, please contact our Technical Customer Service.

## Accessories

**Counterflanges kit**

Page 447 - Galvanized counterflanges kit

**Control systems**Page 426 - **E-SPD**

Variable speed control systems

Page 428 - **E-drive**

Variable speed control systems

Page 424 - **Control panels**SMART EVO 1-2, DIRECTO 1-2,  
STARDELTA 1-2

## Options

**Mechanical seal**

Page 458 - See all the available mechanical seal versions

## Standard Motors

IEC Standard motor is used.

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

# 3DP SERIES

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



Model	Code	HP	kW	Abs. Curr. [A]			DNA	DNM	Weight [kg]
				230V	400V	690V			
3DP/I 32-125/1,1	2570070004I	1,5	1,1	4,2	2,4	-	50	32	62,1
3DP/I 32-160/1,5	2570080004I	2	1,5	5,2	3,0	-	50	32	58,5
3DP/I 32-160/2,2	2570100004I	3	2,2	8	4,6	-	50	32	61,5
3DP/I 32-200/3,0	2570110004I	4	3	9,7	5,6	-	50	32	83,9
3DP/I 32-200/4,0	2570120004I	5,5	4	12,1	7,0	-	50	32	86,9
3DP/I 32-200/7,5	2570140004I	10	7,5	-	13,1	7,6	50	32	117,2
3DP/I 40-125/1,5	2571080004I	2	1,5	5,2	3,0	-	65	40	76,2
3DP/I 40-125/2,2	2571100004I	3	2,2	8,0	4,6	-	65	40	56,9
3DP/I 40-160/3,0	2571110004I	4	3	9,7	5,6	-	65	40	93,4
3DP/I 40-160/4,0	2571120004I	5,5	4	12,1	7,0	-	65	40	74,8
3DP/I 40-200/5,5	2571130004I	7,5	5,5	-	10,0	5,8	65	40	105,0
3DP/I 40-200/7,5	2571140004I	10	7,5	-	13,1	7,6	65	40	113,7
3DP/I 40-200/11,0	2571160004I	15	11	-	19,7	11,4	65	40	140,6
3DP/I 50-125/2,2	2572100004I	3	2,2	8,0	4,6	-	65	50	80,0
3DP/I 50-125/3,0	2572110004I	4	3	9,7	5,6	-	65	50	91,1
3DP/I 50-125/4,0	2572120004I	5,5	4	12,1	7,0	-	65	50	91,7
3DP/I 50-160/5,5	2572130004I	7,5	5,5	-	10,0	5,8	65	50	111,5
3DP/I 50-160/7,5	2572140004I	10	7,5	-	13,1	7,6	65	50	115,4
3DP/I 50-200/9,2	2572150004I	12,5	9,2	-	16,5	9,5	65	50	124,1
3DP/I 50-200/11,0	2572160004I	15	11	-	19,7	11,4	65	50	144,4
3DP/I 50-200/15,0	2572170004I	20	15	-	26,7	15,4	65	50	154,4
3DP/I 65-125/4,0	2573120004I	5,5	4	12,1	7,0	-	80	65	70,9
3DP/I 65-125/5,5	2573130004I	7,5	5,5	-	10,0	5,8	80	65	115,3
3DP/M 65-125/7,5	2573140004M	10	7,5	-	13,1	7,6	80	65	129,9
3DP/M 65-160/7,5	2576140004M	10	7,5	-	13,1	7,6	80	65	133,2
3DP/M 65-160/9,2	2573150004M	12,5	9,2	-	16,5	9,5	80	65	138,0
3DP/M 65-160/11,0	2573160004M	15	11	-	19,7	11,4	80	65	144,8
3DP/M 65-160/15,0	2573170004M	20	15	-	26,7	15,4	80	65	151,0
3DP/M 65-200/15,0	2576170004M	20	15	-	26,7	15,4	80	65	156,0
3DP/M 65-200/18,5	2573180004M	25	18,5	-	33,0	19,1	80	65	156,2
3DP/M 65-200/22,0	2573190004M	30	22	-	38,0	22,0	80	65	211,0

Pumps supplied without counterflanges. See counterflanges kit on page 447

"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)



Model	Code	HP	kW	Abs. Curr. [A]		DNA	DNM	Weight [kg]
				230V	400V			
3DP4 32-125/0,25	2570010004	0,33	0,25	1,6	0,9	50	32	45,9
3DP4 32-160/0,37R	2579020004	0,5	0,37	2,1	1,2	50	32	52,4
3DP4 32-160/0,37	2570020004	0,5	0,37	2,1	1,2	50	32	52,4
3DP4 32-200/0,55R	2579030004	0,75	0,55	2,8	1,6	50	32	64,9
3DP4 32-200/0,55	2570030004	0,75	0,55	2,8	1,6	50	32	64,9
3DP4/I 32-200/0,75	2570050004I	1	0,75	3,1	1,8	50	32	65,9
3DP4 40-125/0,37R	2578020004	0,5	0,37	2,1	1,2	65	40	55,6
3DP4 40-125/0,37	2571020004	0,5	0,37	2,1	1,2	65	40	55,6
3DP4 40-160/0,55R	2578030004	0,75	0,55	2,8	1,6	65	40	56,6
3DP4 40-160/0,55	2571030004	0,75	0,55	2,8	1,6	65	40	56,6
3DP4/I 40-200/1,1R	2578070004I	1,5	1,1	4,3	2,5	65	40	76,4
3DP4/I 40-200/1,1	2571070004I	1,5	1,1	4,3	2,5	65	40	76,4
3DP4/I 40-200/1,5	2578080004I	2	1,5	6,2	3,6	65	40	79,3
3DP4 50-125/0,55R	2577030004	0,75	0,55	2,8	1,6	65	50	57,3
3DP4 50-125/0,55	2572030004	0,75	0,55	2,8	1,6	65	50	57,3
3DP4/I 50-160/1,1R	2577070004I	1,5	1,1	4,3	2,5	65	50	68,3
3DP4/I 50-160/1,1	2572070004I	1,5	1,1	4,3	2,5	65	50	68,3
3DP4/I 50-200/1,5R	2577080004I	2	1,5	6,2	3,6	65	50	79,5
3DP4/I 50-200/1,5	2572080004I	2	1,5	6,2	3,6	65	50	79,5
3DP4/I 50-200/2,2	2577100004I	3	2,2	10,2	5,9	65	50	83,3
3DP4/H 65-125/0,55	2573030004H	0,75	0,55	2,8	1,6	80	65	63,8
3DP4/I 65-125/0,75	2573050004I	1	0,75	3,1	1,8	80	65	63,8
3DP4/I 65-125/1,1	2573070004I	1,5	1,1	4,3	2,5	80	65	73,5
3DP4/I 65-160/1,1	2576070004I	1,5	1,1	4,3	2,5	80	65	80,8
3DP4/I 65-160/1,5	2573080004I	2	1,5	6,2	3,6	80	65	82,2
3DP4/I 65-160/2,2	2573100004I	3	2,2	10,2	5,9	80	65	88,0
3DP4/I 65-200/2,2R	2575100004I	3	2,2	10,2	5,9	80	65	90,9
3DP4/I 65-200/2,2	2576100004I	3	2,2	10,2	5,9	80	65	90,9
3DP4/I 65-200/3,0	2573110004I	4	3	11,8	6,8	80	65	94,0

Pumps supplied without counterflanges. See counterflanges kit on page 447

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

# GS Series

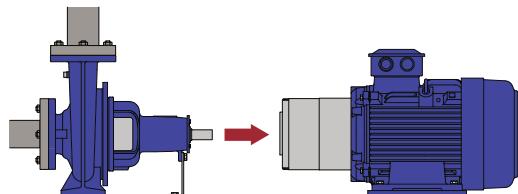
## Standardized end suction pumps

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.



## Materials

Pump body	Cast iron
Impeller	Cast iron, ductile cast iron, bronze
Shaft	AISI 431 (EN 1.4057)
Mechanical seal	Mechanical type (SiC/Carbon/EPDM), Gland Packing (Silicon carbide fiber)
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:	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 3~230/400V ±10%

The pump does not have an internal motor protector, therefore overload protection must be provided by the user.

## Accessories



### Control systems

Page 426 - **E-SPD**

Variable speed control systems

Page 428 - **E-drive**

Variable speed control systems

Page 424 - **Control panels**

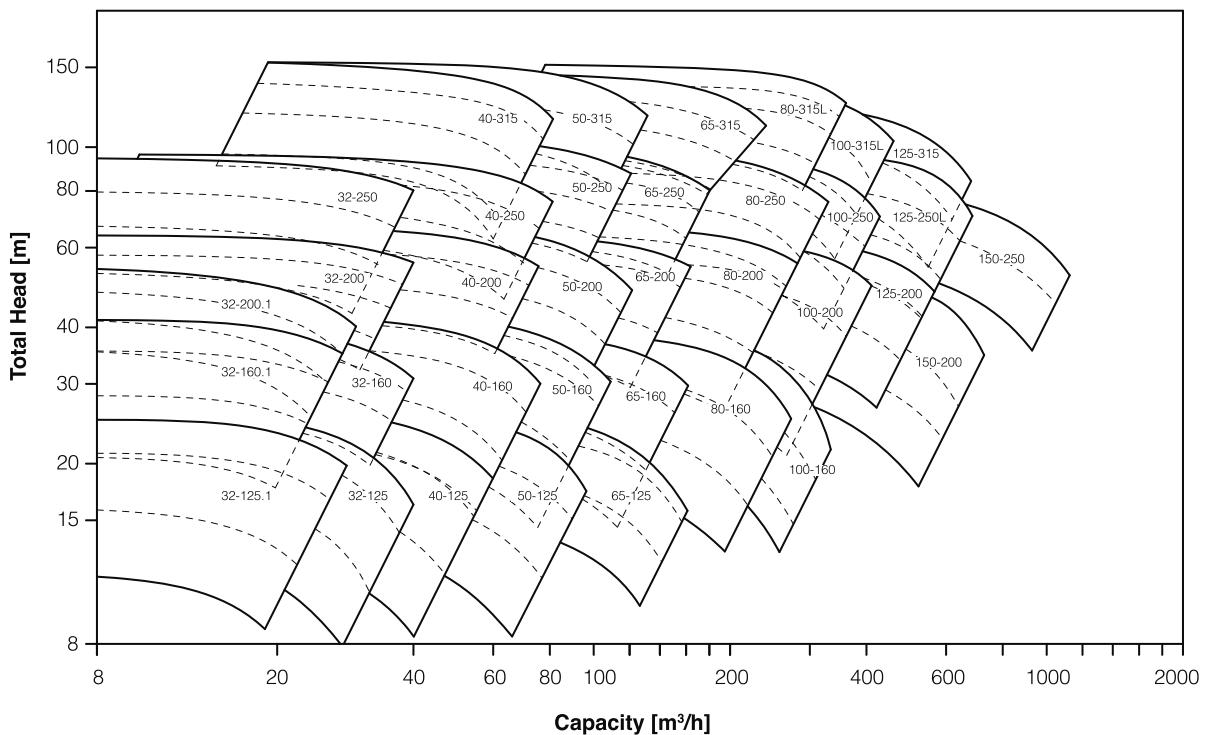
SMART EVO 1-2, DIRECTO 1-2, STARDELTA 1-2

# GS Series

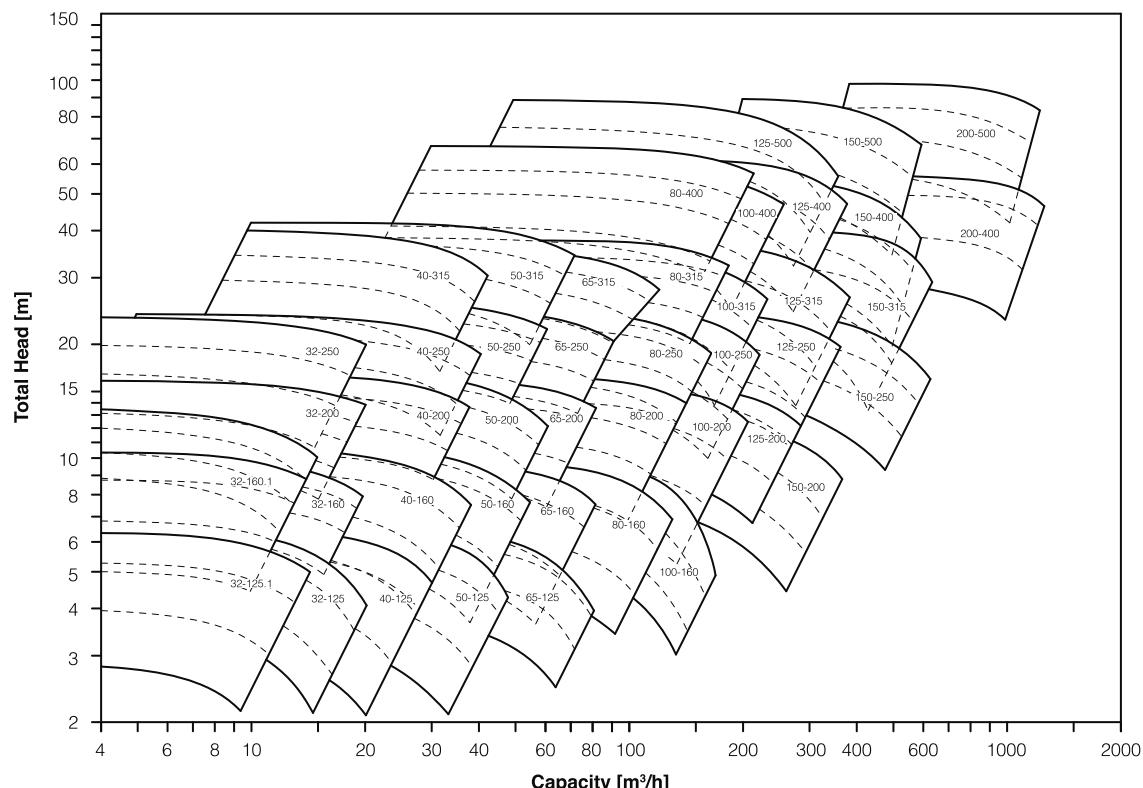
Standardized end suction pumps



## 2 poles



## 4 poles



# GS Series

Standardized end suction pumps



## Identification code

GS	4	32	/	125	XXX /	B	-	1	-	E	0,75	
												Motor Power [kW]
												Type of coupling
												Type of seal
												Impeller material
												Impeller diameter
												Nominal impeller diameter in millimeters <sup>(1)(2)</sup>
												125.1
												160.1
												200.1
												125
												160
												200
												250(L)
												315(L)
												400
												500
												200

<sup>(1)</sup> The letter "L" next to the impeller diameter indicates different bearing designs.

<sup>(2)</sup> The letter ".1" next to the impeller diameter indicates different casing and impeller designs.

e.g. PUMP WITHOUT MOTOR

GS 32-125-170/B1

e.g. PUMP WITH MOTOR

GS4 32-125-170/B1/E0,75

# GS Series



Standardized end suction pumps (2 poles)

Electric pump		2 poles		Electric pump		2 poles	
Model	Code	kW	Weight [kg]	Model	Code	kW	Weight [kg]
GS2 32-125.1-100/B1/E 0,75	2687001973A	0,75	69,0	GS2 32-200-175/B1/E 3	2687002023A	3	102,0
GS2 32-125.1-100/B1/E 1,1	2687001974A	1,1	70,0	GS2 32-200-175/B1/E 4	2687002024A	4	113,0
GS2 32-125.1-115/B1/E 1,1	2687001975A	1,1	70,0	GS2 32-200-175/B1/E 5,5	2687002025A	5,5	135,0
GS2 32-125.1-115/B1/E 1,5	2687001976A	1,5	74,0	GS2 32-200-184/B1/E 3	2687002026A	3	102,0
GS2 32-125.1-129/B1/E 1,5	2687001977A	1,5	74,0	GS2 32-200-184/B1/E 4	2687002027A	4	113,0
GS2 32-125.1-129/B1/E 2,2	2687001978A	2,2	79,0	GS2 32-200-184/B1/E 5,5	2687002028A	5,5	135,0
GS2 32-125.1-140/B1/E 1,5	2687001979A	1,5	74,0	GS2 32-200-184/B1/E 7,5	2687002029A	7,5	138,0
GS2 32-125.1-140/B1/E 2,2	2687001980A	2,2	79,0	GS2 32-200-197/B1/E 4	2687002030A	4	113,0
GS2 32-125-106/B1/E 0,75	2687002001A	0,75	69,0	GS2 32-200-197/B1/E 5,5	2687002031A	5,5	135,0
GS2 32-125-106/B1/E 1,1	2687002002A	1,1	70,0	GS2 32-200-197/B1/E 7,5	2687002032A	7,5	138,0
GS2 32-125-119/B1/E 1,1	2687002003A	1,1	70,0	GS2 32-200-208/B1/E 5,5	2687002033A	5,5	135,0
GS2 32-125-119/B1/E 1,5	2687002004A	1,5	74,0	GS2 32-200-208/B1/E 7,5	2687002034A	7,5	138,0
GS2 32-125-131/B1/E 1,5	2687002005A	1,5	74,0	GS2 32-200-208/B1/E 11	2687002035A	11	187,0
GS2 32-125-131/B1/E 2,2	2687002006A	2,2	79,0	GS2 32-200-219/B1/E 5,5	2687002036A	5,5	135,0
GS2 32-125-131/B1/E 3	2687002007A	3	91,0	GS2 32-200-219/B1/E 7,5	2687002037A	7,5	138,0
GS2 32-125-142/B1/E 1,5	2687002008A	1,5	74,0	GS2 32-200-219/B1/E 11	2687002038A	11	187,0
GS2 32-125-142/B1/E 2,2	2687002009A	2,2	79,0	GS2 32-200-219/B1/E 15	2687002039A	15	194,0
GS2 32-125-142/B1/E 3	2687002010A	3	91,0	GS2 32-250-198/B1/E 7,5	2687000001A	7,5	145,0
GS2 32-160.1-126/B1/E 1,5	2687001981A	1,5	75,0	GS2 32-250-222/B1/E 7,5	2687000002A	7,5	145,0
GS2 32-160.1-126/B1/E 2,2	2687001982A	2,2	80,0	GS2 32-250-222/B1/E 11	2687000003A	11	198,0
GS2 32-160.1-145/B1/E 2,2	2687001983A	2,2	80,0	GS2 32-250-241/B1/E 11	2687000004A	11	198,0
GS2 32-160.1-145/B1/E 3	2687001984A	3	92,0	GS2 32-250-241/B1/E 15	2687000005A	15	205,0
GS2 32-160.1-163/B1/E 2,2	2687001985A	2,2	80,0	GS2 32-250-262/B1/E 11	2687000006A	11	198,0
GS2 32-160.1-163/B1/E 3	2687001986A	3	92,0	GS2 32-250-262/B1/E 15	2687000007A	15	205,0
GS2 32-160.1-163/B1/E 4	2687001987A	4	103,0	GS2 32-250-262/B1/E 18,5	2687000008A	18,5	218,0
GS2 32-160.1-177/B1/E 3	2687001988A	3	92,0	GS2 40-125-105/B1/E 1,1	2687002040A	1,1	72,0
GS2 32-160.1-177/B1/E 4	2687001989A	4	103,0	GS2 40-125-105/B1/E 1,5	2687002041A	1,5	76,0
GS2 32-160.1-177/B1/E 5,5	2687001990A	5,5	125,0	GS2 40-125-119/B1/E 1,1	2687002042A	1,1	72,0
GS2 32-160-139/B1/E 1,5	2687002011A	1,5	75,0	GS2 40-125-119/B1/E 1,5	2687002043A	1,5	76,0
GS2 32-160-139/B1/E 2,2	2687002012A	2,2	80,0	GS2 40-125-119/B1/E 2,2	2687002044A	2,2	81,0
GS2 32-160-152/B1/E 2,2	2687002013A	2,2	80,0	GS2 40-125-131/B1/E 2,2	2687002045A	2,2	81,0
GS2 32-160-152/B1/E 3	2687002014A	3	92,0	GS2 40-125-131/B1/E 3	2687002046A	3	93,0
GS2 32-160-152/B1/E 4	2687002015A	4	103,0	GS2 40-125-131/B1/E 4	2687002047A	4	99,0
GS2 32-160-164/B1/E 2,2	2687002016A	2,2	80,0	GS2 40-125-142/B1/E 3	2687002048A	3	93,0
GS2 32-160-164/B1/E 3	2687002017A	3	92,0	GS2 40-125-142/B1/E 4	2687002049A	4	99,0
GS2 32-160-164/B1/E 4	2687002018A	4	103,0	GS2 40-125-142/B1/E 5,5	2687002050A	5,5	126,0
GS2 32-160-177/B1/E 3	2687002019A	3	92,0	GS2 40-160-134/B1/E 1,5	2687002051A	1,5	77,0
GS2 32-160-177/B1/E 4	2687002020A	4	103,0	GS2 40-160-134/B1/E 2,2	2687002052A	2,2	82,0
GS2 32-160-177/B1/E 5,5	2687002021A	5,5	125,0	GS2 40-160-134/B1/E 3	2687002053A	3	94,0
GS2 32-200.1-172/B1/E 2,2	2687001991A	2,2	90,0	GS2 40-160-134/B1/E 4	2687002054A	4	105,0
GS2 32-200.1-172/B1/E 3	2687001992A	3	102,0	GS2 40-160-150/B1/E 3	2687002055A	3	94,0
GS2 32-200.1-184/B1/E 3	2687001993A	3	102,0	GS2 40-160-150/B1/E 4	2687002056A	4	105,0
GS2 32-200.1-184/B1/E 4	2687001994A	4	113,0	GS2 40-160-150/B1/E 5,5	2687002057A	5,5	127,0
GS2 32-200.1-196/B1/E 3	2687001995A	3	102,0	GS2 40-160-163/B1/E 4	2687002058A	4	105,0
GS2 32-200.1-196/B1/E 4	2687001996A	4	113,0	GS2 40-160-163/B1/E 5,5	2687002059A	5,5	127,0
GS2 32-200.1-196/B1/E 5,5	2687001997A	5,5	135,0	GS2 40-160-163/B1/E 7,5	2687002060A	7,5	130,0
GS2 32-200.1-207/B1/E 3	2687001998A	3	102,0	GS2 40-160-177/B1/E 4	2687002061A	4	105,0
GS2 32-200.1-207/B1/E 4	2687001999A	4	113,0	GS2 40-160-177/B1/E 5,5	2687002062A	5,5	127,0
GS2 32-200.1-207/B1/E 5,5	2687002000A	5,5	135,0	GS2 40-160-177/B1/E 7,5	2687002063A	7,5	130,0
GS2 32-200-175/B1/E 2,2	2687002022A	2,2	90,0	GS2 40-160-177/B1/E 11	2687002064A	11	179,0

# GS Series

Standardized end suction pumps (2 poles)



## Electric pump 2 poles

Model	Code	kW	Weight [kg]
GS2 40-200-172/B1/E 3	2687000009A	3	109,0
GS2 40-200-172/B1/E 4	2687000010A	4	115,0
GS2 40-200-172/B1/E 5,5	2687000011A	5,5	137,0
GS2 40-200-172/B1/E 7,5	2687000012A	7,5	140,0
GS2 40-200-172/B1/E 11	2687000013A	11	189,0
GS2 40-200-189/B1/E 5,5	2687000014A	5,5	137,0
GS2 40-200-189/B1/E 7,5	2687000015A	7,5	140,0
GS2 40-200-189/B1/E 11	2687000016A	11	189,0
GS2 40-200-205/B1/E 7,5	2687000017A	7,5	140,0
GS2 40-200-205/B1/E 11	2687000018A	11	189,0
GS2 40-200-205/B1/E 15	2687000019A	15	196,0
GS2 40-200-219/B1/E 11	2687000020A	11	189,0
GS2 40-200-219/B1/E 15	2687000021A	15	196,0
GS2 40-200-219/B1/E 18,5	2687000022A	18,5	209,0
GS2 40-250-211/B1/E 7,5	2687000023A	7,5	147,0
GS2 40-250-211/B1/E 11	2687000024A	11	196,0
GS2 40-250-211/B1/E 15	2687000025A	15	203,0
GS2 40-250-228/B1/E 11	2687000026A	11	196,0
GS2 40-250-228/B1/E 15	2687000027A	15	203,0
GS2 40-250-245/B1/E 11	2687000028A	11	196,0
GS2 40-250-245/B1/E 15	2687000029A	15	203,0
GS2 40-250-245/B1/E 18,5	2687000030A	18,5	220,0
GS2 40-250-245/B1/E 22	2687000031A	22	261,0
GS2 40-250-260/B1/E 15	2687000032A	15	203,0
GS2 40-250-260/B1/E 18,5	2687000033A	18,5	220,0
GS2 40-250-260/B1/E 22	2687000034A	22	261,0
GS2 40-250-260/B1/E 30	2687000035A	30	323,0
GS2 40-315-256/B1/E 15	2687000036A	15	279,0
GS2 40-315-256/B1/E 18,5	2687000037A	18,5	292,0
GS2 40-315-256/B1/E 22	2687000038A	22	333,0
GS2 40-315-289/B1/E 22	2687000041A	22	333,0
GS2 40-315-289/B1/E 30	2687000042A	30	395,0
GS2 40-315-289/B1/E 37	2687000043A	37	420,0
GS2 40-315-310/B1/E 30	2687000045A	30	395,0
GS2 40-315-310/B1/E 37	2687000046A	37	420,0
GS2 40-315-310/B1/E 45	2687000047A	45	564,0
GS2 40-315-326/B1/E 30	2687000049A	30	395,0
GS2 40-315-326/B1/E 37	2687000050A	37	420,0
GS2 40-315-326/B1/E 45	2687000051A	45	564,0
GS2 40-315-326/B1/E 55	2687001971A	55	620,0
GS2 50-125-111/B1/E 1,5	2687002065A	1,5	79,0
GS2 50-125-111/B1/E 2,2	2687002066A	2,2	84,0
GS2 50-125-111/B1/E 3	2687002067A	3	96,0
GS2 50-125-123/B1/E 2,2	2687002068A	2,2	84,0
GS2 50-125-123/B1/E 3	2687002069A	3	96,0
GS2 50-125-123/B1/E 4	2687002070A	4	107,0
GS2 50-125-134/B1/E 3	2687002071A	3	96,0
GS2 50-125-134/B1/E 4	2687002072A	4	107,0
GS2 50-125-134/B1/E 5,5	2687002073A	5,5	129,0
GS2 50-125-144/B1/E 4	2687002074A	4	107,0

## Electric pump 2 poles

Model	Code	kW	Weight [kg]
GS2 50-125-144/B1/E 5,5	2687002075A	5,5	129,0
GS2 50-125-144/B1/E 7,5	2687002076A	7,5	132,0
GS2 50-160-131/B1/E 2,2	2687000052A	2,2	89,0
GS2 50-160-131/B1/E 3	2687000053A	3	101,0
GS2 50-160-131/B1/E 4	2687000054A	4	107,0
GS2 50-160-131/B1/E 5,5	2687000055A	5,5	129,0
GS2 50-160-148/B1/E 3	2687000056A	3	101,0
GS2 50-160-148/B1/E 4	2687000057A	4	107,0
GS2 50-160-148/B1/E 5,5	2687000058A	5,5	129,0
GS2 50-160-148/B1/E 7,5	2687000059A	7,5	132,0
GS2 50-160-164/B1/E 4	2687000060A	4	107,0
GS2 50-160-164/B1/E 5,5	2687000061A	5,5	129,0
GS2 50-160-164/B1/E 7,5	2687000062A	7,5	132,0
GS2 50-160-164/B1/E 11	2687000063A	11	181,0
GS2 50-160-177/B1/E 7,5	2687000064A	7,5	132,0
GS2 50-160-177/B1/E 11	2687000065A	11	181,0
GS2 50-160-177/B1/E 15	2687000066A	15	188,0
GS2 50-200-171/B1/E 3	2687000067A	3	112,0
GS2 50-200-171/B1/E 4	2687000068A	4	118,0
GS2 50-200-171/B1/E 5,5	2687000069A	5,5	140,0
GS2 50-200-171/B1/E 7,5	2687000070A	7,5	143,0
GS2 50-200-171/B1/E 11	2687000071A	11	192,0
GS2 50-200-188/B1/E 7,5	2687000072A	7,5	143,0
GS2 50-200-188/B1/E 11	2687000073A	11	192,0
GS2 50-200-188/B1/E 15	2687000074A	15	199,0
GS2 50-200-203/B1/E 11	2687000075A	11	192,0
GS2 50-200-203/B1/E 15	2687000076A	15	199,0
GS2 50-200-203/B1/E 18,5	2687000077A	18,5	212,0
GS2 50-200-203/B1/E 22	2687000078A	22	257,0
GS2 50-200-219/B1/E 11	2687000079A	11	192,0
GS2 50-200-219/B1/E 15	2687000080A	15	199,0
GS2 50-200-219/B1/E 18,5	2687000081A	18,5	212,0
GS2 50-200-219/B1/E 22	2687000082A	22	257,0
GS2 50-200-219/B1/E 30	2687000083A	30	319,0
GS2 50-250-210/B1/E 15	2687000084A	15	209,0
GS2 50-250-210/B1/E 18,5	2687000085A	18,5	222,0
GS2 50-250-210/B1/E 22	2687000086A	22	263,0
GS2 50-250-221/B1/E 18,5	2687000087A	18,5	222,0
GS2 50-250-221/B1/E 22	2687000088A	22	263,0
GS2 50-250-221/B1/E 30	2687000089A	30	325,0
GS2 50-250-238/B1/E 18,5	2687000090A	18,5	222,0
GS2 50-250-238/B1/E 22	2687000091A	22	263,0
GS2 50-250-238/B1/E 30	2687000092A	30	325,0
GS2 50-250-254/B1/E 22	2687000093A	22	263,0
GS2 50-250-254/B1/E 30	2687000094A	30	325,0
GS2 50-250-254/B1/E 37	2687000095A	37	350,0
GS2 50-250-270/B1/E 22	2687000096A	22	263,0
GS2 50-250-270/B1/E 30	2687000097A	30	325,0
GS2 50-250-270/B1/E 37	2687000098A	37	350,0
GS2 50-250-270/B1/E 45	2687000099A	45	532,0

# GS Series

Standardized end suction pumps (2 poles)



Electric pump		2 poles		Electric pump		2 poles	
Model	Code	kW	Weight [kg]	Model	Code	kW	Weight [kg]
GS2 50-315-277/B1/E 22	2687000100A	22	337,0	GS2 65-250-237/B1/E 37	2687000139A	37	411,0
GS2 50-315-277/B1/E 30	2687000101A	30	399,0	GS2 65-250-254/B1/E 22	2687000140A	22	324,0
GS2 50-315-277/B1/E 37	2687000102A	37	424,0	GS2 65-250-254/B1/E 30	2687000141A	30	386,0
GS2 50-315-277/B1/E 45	2687000103A	45	568,0	GS2 65-250-254/B1/E 37	2687000142A	37	411,0
GS2 50-315-302/B1/E 30	2687000104A	30	399,0	GS2 65-250-254/B1/E 45	2687000143A	45	555,0
GS2 50-315-302/B1/E 37	2687000105A	37	424,0	GS2 65-250-273/B1/E 30	2687000144A	30	386,0
GS2 50-315-302/B1/E 45	2687000106A	45	568,0	GS2 65-250-273/B1/E 37	2687000145A	37	411,0
GS2 50-315-302/B1/E 55	2687000107A	55	624,0	GS2 65-250-273/B1/E 45	2687000146A	45	555,0
GS2 50-315-324/B1/E 37	2687000108A	37	424,0	GS2 65-315-258/B1/E 30	2687000147A	30	417,0
GS2 50-315-324/B1/E 45	2687000109A	45	568,0	GS2 65-315-258/B1/E 37	2687000148A	37	442,0
GS2 50-315-324/B1/E 55	2687000110A	55	624,0	GS2 65-315-258/B1/E 45	2687000149A	45	577,0
GS2 50-315-324/B1/E 75	2687000111A	75	858,0	GS2 65-315-258/B1/E 55	2687000150A	55	628,0
GS2 65-125-120/B1/E 3	2687002077A	3	105,0	GS2 65-315-258/B1/E 75	2687000151A	75	862,0
GS2 65-125-120/B1/E 4	2687002078A	4	111,0	GS2 65-315-282/B1/E 37	2687000152A	37	442,0
GS2 65-125-120/B1/E 5,5	2687002079A	5,5	133,0	GS2 65-315-282/B1/E 45	2687000153A	45	577,0
GS2 65-125-130/B1/E 4	2687002080A	4	111,0	GS2 65-315-282/B1/E 55	2687000154A	55	628,0
GS2 65-125-130/B1/E 5,5	2687002081A	5,5	133,0	GS2 65-315-282/B1/E 75	2687000155A	75	862,0
GS2 65-125-130/B1/E 7,5	2687002082A	7,5	136,0	GS2 65-315-303/B1/E 45	2687000156A	45	577,0
GS2 65-125-139/B1/E 5,5	2687002083A	5,5	133,0	GS2 65-315-303/B1/E 55	2687000157A	55	628,0
GS2 65-125-139/B1/E 7,5	2687002084A	7,5	136,0	GS2 65-315-303/B1/E 75	2687000158A	75	862,0
GS2 65-125-139/B1/E 11	2687002085A	11	185,0	GS2 65-315-303/B1/E 90	2687000159A	90	942,0
GS2 65-125-147/B1/E 7,5	2687002086A	7,5	136,0	GS2 65-315-303/B1/E 110	2687000160A	110	1.184,0
GS2 65-125-147/B1/E 11	2687002087A	11	185,0	GS2 65-315-320/B1/E 45	2687000161A	45	577,0
GS2 65-160-135/B1/E 5,5	2687000112A	5,5	137,0	GS2 65-315-320/B1/E 55	2687000162A	55	628,0
GS2 65-160-135/B1/E 7,5	2687000113A	7,5	140,0	GS2 65-315-320/B1/E 75	2687000163A	75	862,0
GS2 65-160-150/B1/E 7,5	2687000114A	7,5	140,0	GS2 65-315-320/B1/E 90	2687000164A	90	942,0
GS2 65-160-150/B1/E 11	2687000115A	11	189,0	GS2 65-315-320/B1/E 110	2687000165A	110	1.184,0
GS2 65-160-165/B1/E 11	2687000116A	11	189,0	GS2 80-160-147/127/B1/E 7,5	2687000166A	7,5	154,0
GS2 65-160-165/B1/E 15	2687000117A	15	196,0	GS2 80-160-147/127/B1/E 11	2687000167A	11	196,0
GS2 65-160-177/B1/E 11	2687000118A	11	189,0	GS2 80-160-150/B1/E 11	2687000168A	11	196,0
GS2 65-160-177/B1/E 15	2687000119A	15	196,0	GS2 80-160-150/B1/E 15	2687000169A	15	205,0
GS2 65-160-177/B1/E 18,5	2687000120A	18,5	209,0	GS2 80-160-164/B1/E 15	2687000170A	15	205,0
GS2 65-200-162/B1/E 11	2687000121A	11	199,0	GS2 80-160-164/B1/E 18,5	2687000171A	18,5	218,0
GS2 65-200-162/B1/E 15	2687000122A	15	206,0	GS2 80-160-177/B1/E 15	2687000172A	15	205,0
GS2 65-200-183/B1/E 11	2687000123A	11	199,0	GS2 80-160-177/B1/E 18,5	2687000173A	18,5	218,0
GS2 65-200-183/B1/E 15	2687000124A	15	206,0	GS2 80-160-177/B1/E 22	2687000174A	22	259,0
GS2 65-200-183/B1/E 18,5	2687000125A	18,5	219,0	GS2 80-160-177/B1/E 30	2687000175A	30	321,0
GS2 65-200-203/B1/E 15	2687000126A	15	206,0	GS2 80-200-170/159/B1/E 15	2687000176A	15	264,0
GS2 65-200-203/B1/E 18,5	2687000127A	18,5	219,0	GS2 80-200-170/159/B1/E 18,5	2687000177A	18,5	277,0
GS2 65-200-203/B1/E 22	2687000128A	22	260,0	GS2 80-200-170/159/B1/E 22	2687000178A	22	318,0
GS2 65-200-203/B1/E 30	2687000129A	30	322,0	GS2 80-200-190/179/B1/E 18,5	2687000179A	18,5	277,0
GS2 65-200-219/B1/E 15	2687000130A	15	206,0	GS2 80-200-190/179/B1/E 22	2687000180A	22	318,0
GS2 65-200-219/B1/E 18,5	2687000131A	18,5	219,0	GS2 80-200-190/179/B1/E 30	2687000181A	30	380,0
GS2 65-200-219/B1/E 22	2687000132A	22	260,0	GS2 80-200-205/195/B1/E 22	2687000182A	22	318,0
GS2 65-200-219/B1/E 30	2687000133A	30	322,0	GS2 80-200-205/195/B1/E 30	2687000183A	30	380,0
GS2 65-250-215/B1/E 18,5	2687000134A	18,5	283,0	GS2 80-200-205/195/B1/E 37	2687000184A	37	405,0
GS2 65-250-215/B1/E 22	2687000135A	22	324,0	GS2 80-200-205/B1/E 22	2687000185A	22	318,0
GS2 65-250-215/B1/E 30	2687000136A	30	386,0	GS2 80-200-205/B1/E 30	2687000186A	30	380,0
GS2 65-250-237/B1/E 22	2687000137A	22	324,0	GS2 80-200-205/B1/E 37	2687000187A	37	405,0
GS2 65-250-237/B1/E 30	2687000138A	30	386,0	GS2 80-200-205/B1/E 45	2687000188A	45	549,0

# GS Series

Standardized end suction pumps (2 poles)



Electric pump				2 poles			
Model	Code	kW	Weight [kg]	Model	Code	kW	Weight [kg]
GS2 80-200-222/B1/E 30	2687000189A	30	380,0	GS2 100-200-204/B1/E 30	2687000239A	30	416,0
GS2 80-200-222/B1/E 37	2687000190A	37	405,0	GS2 100-200-204/B1/E 37	2687000240A	37	441,0
GS2 80-200-222/B1/E 45	2687000191A	45	549,0	GS2 100-200-204/B1/E 45	2687000241A	45	585,0
GS2 80-200-222/B1/E 55	2687000192A	55	605,0	GS2 100-200-204/B1/E 55	2687000242A	55	641,0
GS2 80-250-220/B1/E 22	2687000193A	22	328,0	GS2 100-200-220/B1/E 37	2687000243A	37	441,0
GS2 80-250-220/B1/E 30	2687000194A	30	390,0	GS2 100-200-220/B1/E 45	2687000244A	45	585,0
GS2 80-250-220/B1/E 37	2687000195A	37	415,0	GS2 100-200-220/B1/E 55	2687000245A	55	641,0
GS2 80-250-220/B1/E 45	2687000196A	45	559,0	GS2 100-200-220/B1/E 75	2687000246A	75	875,0
GS2 80-250-220/B1/E 55	2687000197A	55	615,0	GS2 100-250-210/B1/E 30	2687000247A	30	435,0
GS2 80-250-238/B1/E 30	2687000198A	30	390,0	GS2 100-250-210/B1/E 37	2687000248A	37	460,0
GS2 80-250-238/B1/E 37	2687000199A	37	415,0	GS2 100-250-210/B1/E 45	2687000249A	45	595,0
GS2 80-250-238/B1/E 45	2687000200A	45	559,0	GS2 100-250-230/B1/E 37	2687000250A	37	460,0
GS2 80-250-238/B1/E 55	2687000201A	55	615,0	GS2 100-250-230/B1/E 45	2687000251A	45	595,0
GS2 80-250-255/B1/E 37	2687000202A	37	415,0	GS2 100-250-230/B1/E 55	2687000252A	55	646,0
GS2 80-250-255/B1/E 45	2687000203A	45	559,0	GS2 100-250-230/B1/E 75	2687000253A	75	880,0
GS2 80-250-255/B1/E 55	2687000204A	55	615,0	GS2 100-250-250/B1/E 37	2687000254A	37	460,0
GS2 80-250-255/B1/E 75	2687000205A	75	849,0	GS2 100-250-250/B1/E 45	2687000255A	45	595,0
GS2 80-250-270/B1/E 22	2687000206A	22	328,0	GS2 100-250-250/B1/E 55	2687000256A	55	646,0
GS2 80-250-270/B1/E 45	2687000207A	45	559,0	GS2 100-250-250/B1/E 75	2687000257A	75	880,0
GS2 80-250-270/B1/E 55	2687000208A	55	615,0	GS2 100-250-250/B1/E 90	2687000258A	90	960,0
GS2 80-250-270/B1/E 75	2687000209A	75	849,0	GS2 100-250-265/B1/E 45	2687000259A	45	595,0
GS2 80-250-270/B1/E 90	2687000210A	90	929,0	GS2 100-250-265/B1/E 55	2687000260A	55	646,0
GS2 80-315L-265/B1/E 75	2687000211A	75	884,0	GS2 100-250-265/B1/E 75	2687000261A	75	880,0
GS2 80-315L-265/B1/E 90	2687000212A	90	964,0	GS2 100-250-265/B1/E 90	2687000262A	90	960,0
GS2 80-315L-280/B1/E 75	2687000213A	75	884,0	GS2 100-250-265/B1/E 110	2687000263A	110	1.202,0
GS2 80-315L-280/B1/E 90	2687000214A	90	964,0	GS2 100-315L-242/B1/E 75	2687000264A	75	906,0
GS2 80-315L-280/B1/E 110	2687000215A	110	1.212,0	GS2 100-315L-265/B1/E 75	2687000265A	75	906,0
GS2 80-315L-300/B1/E 90	2687000216A	90	964,0	GS2 100-315L-265/B1/E 90	2687000266A	90	986,0
GS2 80-315L-300/B1/E 110	2687000217A	110	1.212,0	GS2 100-315L-265/B1/E 110	2687000267A	110	1.234,0
GS2 80-315L-300/B1/E 132	2687000218A	132	1.262,0	GS2 100-315L-289/B1/E 75	2687000268A	75	906,0
GS2 80-315L-316/B1/E 110	2687000219A	110	1.212,0	GS2 100-315L-289/B1/E 90	2687000269A	90	986,0
GS2 80-315L-316/B1/E 132	2687000220A	132	1.262,0	GS2 100-315L-289/B1/E 110	2687000270A	110	1.234,0
GS2 80-315L-316/B1/E 160	2687000221A	160	1.353,0	GS2 100-315L-289/B1/E 132	2687000271A	132	1.284,0
GS2 80-315L-334/B1/E 110	2687000222A	110	1.212,0	GS2 100-315L-289/B1/E 160	2687000272A	160	1.375,0
GS2 80-315L-334/B1/E 132	2687000223A	132	1.262,0	GS2 100-315L-312/B1/E 110	2687000273A	110	1.234,0
GS2 80-315L-334/B1/E 160	2687000224A	160	1.353,0	GS2 100-315L-312/B1/E 132	2687000274A	132	1.284,0
GS2 100-160-149/B1/E 18,5	2687000225A	18,5	301,0	GS2 100-315L-312/B1/E 160	2687000275A	160	1.375,0
GS2 100-160-156/B1/E 18,5	2687000226A	18,5	301,0	GS2 100-315L-312/B1/E 200	2687000276A	200	1.495,0
GS2 100-160-170/B1/E 18,5	2687000227A	18,5	301,0	GS2 125-200-174/B1/E 37	2687000277A	37	472,0
GS2 100-160-170/B1/E 22	2687000228A	22	342,0	GS2 125-200-174/B1/E 45	2687000278A	45	607,0
GS2 100-160-170/B1/E 30	2687000229A	30	404,0	GS2 125-200-190/B1/E 37	2687000279A	37	472,0
GS2 100-160-183/B1/E 22	2687000230A	22	342,0	GS2 125-200-190/B1/E 45	2687000280A	45	607,0
GS2 100-160-183/B1/E 30	2687000231A	30	404,0	GS2 125-200-190/B1/E 55	2687000281A	55	658,0
GS2 100-160-183/B1/E 37	2687000232A	37	429,0	GS2 125-200-207/B1/E 45	2687000282A	45	607,0
GS2 100-200-171/B1/E 18,5	2687000233A	18,5	313,0	GS2 125-200-207/B1/E 55	2687000283A	55	658,0
GS2 100-200-171/B1/E 22	2687000234A	22	354,0	GS2 125-200-207/B1/E 75	2687000284A	75	892,0
GS2 100-200-171/B1/E 30	2687000235A	30	416,0	GS2 125-200-224/B1/E 55	2687000285A	55	658,0
GS2 100-200-187/B1/E 22	2687000236A	22	354,0	GS2 125-200-224/B1/E 75	2687000286A	75	892,0
GS2 100-200-187/B1/E 30	2687000237A	30	416,0	GS2 125-200-224/B1/E 90	2687000287A	90	972,0
GS2 100-200-187/B1/E 37	2687000238A	37	441,0	GS2 125-200-224/B1/E 110	2687000288A	110	1.214,0



# GS Series

Standardized end suction pumps (2 poles)

Electric pump		2 poles	
Model	Code	kW	Weight [kg]
GS2 125-250L-213/B1/E 75	2687000289A	75	920,0
GS2 125-250L-213/B1/E 90	2687000290A	90	1.000,0
GS2 125-250L-233/B1/E 75	2687000291A	75	920,0
GS2 125-250L-233/B1/E 90	2687000292A	90	1.000,0
GS2 125-250L-233/B1/E 110	2687000293A	110	1.248,0
GS2 125-250L-254/B1/E 90	2687000294A	90	1.000,0
GS2 125-250L-254/B1/E 110	2687000295A	110	1.248,0
GS2 125-250L-254/B1/E 132	2687000296A	132	1.298,0
GS2 125-250L-254/B1/E 160	2687000297A	160	1.389,0
GS2 125-250L-274/B1/E 110	2687000298A	110	1.248,0
GS2 125-250L-274/B1/E 132	2687000299A	132	1.298,0
GS2 125-250L-274/B1/E 160	2687000300A	160	1.389,0
GS2 125-250L-274/B1/E 200	2687000301A	200	1.509,0
GS2 125-315-259/B1/E 90	2687000302A	90	1.045,0
GS2 125-315-259/B1/E 110	2687000303A	110	1.276,0
GS2 125-315-284/B1/E 110	2687000304A	110	1.276,0
GS2 125-315-284/B1/E 132	2687000305A	132	1.326,0
GS2 125-315-284/B1/E 160	2687000306A	160	1.417,0
GS2 125-315-309/B1/E 110	2687000307A	110	1.276,0
GS2 125-315-309/B1/E 132	2687000308A	132	1.326,0
GS2 125-315-309/B1/E 160	2687000309A	160	1.417,0
GS2 125-315-309/B1/E 200	2687000310A	200	1.537,0
GS2 150-200-181/145/B1/E 37	2687000311A	37	506,0
GS2 150-200-195/163/B1/E 45	2687000312A	45	641,0
GS2 150-200-195/163/B1/E 55	2687000313A	55	692,0
GS2 150-200-209/180/B1/E 55	2687000314A	55	692,0
GS2 150-200-209/180/B1/E 75	2687000315A	75	926,0
GS2 150-200-224/197/B1/E 75	2687000316A	75	926,0
GS2 150-200-224/197/B1/E 90	2687000317A	90	1.006,0
GS2 150-250-213/B1/E 110	2687000318A	110	1.271,0
GS2 150-250-213/B1/E 132	2687000319A	132	1.321,0
GS2 150-250-233/B1/E 110	2687000320A	110	1.271,0
GS2 150-250-233/B1/E 132	2687000321A	132	1.321,0
GS2 150-250-233/B1/E 160	2687000322A	160	1.412,0
GS2 150-250-250/B1/E 132	2687000323A	132	1.321,0
GS2 150-250-250/B1/E 160	2687000324A	160	1.412,0
GS2 150-250-250/B1/E 200	2687000325A	200	1.532,0

# GS Series

Standardized end suction pumps (4 poles)



Electric pump		4 poles	
Model	Code	kW	Weight [kg]
GS4 32-125.1-100/B1/E 0,37	2688002221A	0,37	65,0
GS4 32-125.1-115/B1/E 0,37	2688002222A	0,37	65,0
GS4 32-125.1-129/B1/E 0,37	2688002223A	0,37	65,0
GS4 32-125.1-140/B1/E 0,37	2688002224A	0,37	65,0
GS4 32-125.1-140/B1/E 0,55	2688002302A	0,55	68,0
GS4 32-125-106/B1/E 0,37	2688002240A	0,37	65,0
GS4 32-125-119/B1/E 0,37	2688002241A	0,37	65,0
GS4 32-125-131/B1/E 0,37	2688002242A	0,37	65,0
GS4 32-125-131/B1/E 0,55	2688002243A	0,55	68,0
GS4 32-125-142/B1/E 0,37	2688002244A	0,37	65,0
GS4 32-125-142/B1/E 0,55	2688002245A	0,55	68,0
GS4 32-125-142/B1/E 0,75	2688002246A	0,75	70,0
GS4 32-160.1-126/B1/E 0,37	2688002226A	0,37	66,0
GS4 32-160.1-145/B1/E 0,37	2688002227A	0,37	66,0
GS4 32-160.1-145/B1/E 0,55	2688002228A	0,55	69,0
GS4 32-160.1-163/B1/E 0,37	2688002229A	0,37	66,0
GS4 32-160.1-163/B1/E 0,55	2688002230A	0,55	69,0
GS4 32-160.1-177/B1/E 0,55	2688002231A	0,55	69,0
GS4 32-160.1-177/B1/E 0,75	2688002232A	0,75	71,0
GS4 32-160-139/B1/E 0,37	2688002247A	0,37	66,0
GS4 32-160-139/B1/E 0,55	2688002248A	0,55	69,0
GS4 32-160-152/B1/E 0,37	2688002249A	0,37	66,0
GS4 32-160-152/B1/E 0,55	2688002250A	0,55	69,0
GS4 32-160-164/B1/E 0,37	2688002251A	0,37	66,0
GS4 32-160-164/B1/E 0,55	2688002252A	0,55	69,0
GS4 32-160-177/B1/E 0,55	2688002253A	0,55	69,0
GS4 32-160-177/B1/E 0,75	2688002254A	0,75	71,0
GS4 32-200.1-172/B1/E 0,55	2688002233A	0,55	79,0
GS4 32-200.1-184/B1/E 0,55	2688002234A	0,55	79,0
GS4 32-200.1-196/B1/E 0,55	2688002235A	0,55	79,0
GS4 32-200.1-196/B1/E 0,75	2688002236A	0,75	81,0
GS4 32-200.1-207/B1/E 0,55	2688002237A	0,55	79,0
GS4 32-200.1-207/B1/E 0,75	2688002238A	0,75	81,0
GS4 32-200.1-207/B1/E 1,1	2688002239A	1,1	86,0
GS4 32-200-170/B1/E 0,55	2688002255A	0,55	79,0
GS4 32-200-170/B1/E 0,75	2688002256A	0,75	81,0
GS4 32-200-184/B1/E 0,55	2688002257A	0,55	79,0
GS4 32-200-184/B1/E 0,75	2688002258A	0,75	81,0
GS4 32-200-184/B1/E 1,1	2688002259A	1,1	86,0
GS4 32-200-197/B1/E 0,75	2688002260A	0,75	81,0
GS4 32-200-197/B1/E 1,1	2688002261A	1,1	86,0
GS4 32-200-208/B1/E 0,75	2688002262A	0,75	81,0
GS4 32-200-208/B1/E 1,1	2688002263A	1,1	86,0
GS4 32-200-208/B1/E 1,5	2688002264A	1,5	89,0
GS4 32-200-219/B1/E 1,1	2688002265A	1,1	86,0
GS4 32-200-219/B1/E 1,5	2688002266A	1,5	89,0
GS4 32-250-198/B1/E 0,75	2688000001A	0,75	93,0
GS4 32-250-198/B1/E 1,1	2688000002A	1,1	98,0
GS4 32-250-222/B1/E 1,1	2688000003A	1,1	98,0
GS4 32-250-222/B1/E 1,5	2688000004A	1,5	101,0

Electric pump		4 poles	
Model	Code	kW	Weight [kg]
GS4 32-250-241/B1/E 1,5	2688000005A	1,5	101,0
GS4 32-250-241/B1/E 2,2	2688000006A	2,2	111,0
GS4 32-250-262/B1/E 1,5	2688000007A	1,5	101,0
GS4 32-250-262/B1/E 2,2	2688000008A	2,2	111,0
GS4 32-250-262/B1/E 3	2688000009A	3	117,0
GS4 40-125-105/B1/E 0,37	2688002267A	0,37	67,0
GS4 40-125-119/B1/E 0,37	2688002268A	0,37	67,0
GS4 40-125-131/B1/E 0,37	2688002269A	0,37	67,0
GS4 40-125-131/B1/E 0,55	2688002270A	0,55	70,0
GS4 40-125-142/B1/E 0,37	2688002271A	0,37	67,0
GS4 40-125-142/B1/E 0,55	2688002272A	0,55	70,0
GS4 40-125-142/B1/E 0,75	2688002273A	0,75	72,0
GS4 40-160-134/B1/E 0,37	2688002274A	0,37	68,0
GS4 40-160-134/B1/E 0,55	2688002275A	0,55	71,0
GS4 40-160-150/B1/E 0,37	2688002276A	0,37	68,0
GS4 40-160-150/B1/E 0,55	2688002277A	0,55	71,0
GS4 40-160-150/B1/E 0,75	2688002278A	0,75	73,0
GS4 40-160-163/B1/E 0,55	2688002279A	0,55	71,0
GS4 40-160-163/B1/E 0,75	2688002280A	0,75	73,0
GS4 40-160-163/B1/E 1,1	2688002281A	1,1	78,0
GS4 40-160-177/B1/E 0,55	2688002282A	0,55	71,0
GS4 40-160-177/B1/E 0,75	2688002283A	0,75	73,0
GS4 40-160-177/B1/E 1,1	2688002284A	1,1	78,0
GS4 40-160-177/B1/E 1,5	2688002285A	1,5	81,0
GS4 40-200-172/B1/E 0,55	26880000010A	0,55	86,0
GS4 40-200-172/B1/E 0,75	26880000011A	0,75	88,0
GS4 40-200-172/B1/E 1,1	26880000012A	1,1	93,0
GS4 40-200-172/B1/E 1,5	26880000013A	1,5	96,0
GS4 40-200-189/B1/E 0,75	26880000014A	0,75	88,0
GS4 40-200-189/B1/E 1,1	26880000015A	1,1	93,0
GS4 40-200-189/B1/E 1,5	26880000016A	1,5	96,0
GS4 40-200-205/B1/E 1,1	26880000017A	1,1	93,0
GS4 40-200-205/B1/E 1,5	26880000018A	1,5	96,0
GS4 40-200-205/B1/E 2,2	26880000019A	2,2	105,0
GS4 40-200-219/B1/E 1,1	26880000020A	1,1	93,0
GS4 40-200-219/B1/E 1,5	26880000021A	1,5	96,0
GS4 40-200-219/B1/E 2,2	26880000022A	2,2	105,0
GS4 40-250-211/B1/E 1,1	26880000023A	1,1	100,0
GS4 40-250-211/B1/E 1,5	26880000024A	1,5	103,0
GS4 40-250-228/B1/E 1,1	26880000025A	1,1	100,0
GS4 40-250-228/B1/E 1,5	26880000026A	1,5	103,0
GS4 40-250-228/B1/E 2,2	26880000027A	2,2	113,0
GS4 40-250-245/B1/E 1,1	26880000028A	1,1	100,0
GS4 40-250-245/B1/E 1,5	26880000029A	1,5	103,0
GS4 40-250-245/B1/E 2,2	26880000030A	2,2	113,0
GS4 40-250-245/B1/E 3	26880000031A	3	119,0
GS4 40-250-260/B1/E 1,1	26880000032A	1,1	100,0
GS4 40-250-260/B1/E 1,5	26880000033A	1,5	103,0
GS4 40-250-260/B1/E 2,2	26880000034A	2,2	113,0
GS4 40-250-260/B1/E 3	26880000035A	3	119,0

# GS Series



Standardized end suction pumps (4 poles)

Electric pump		4 poles		Electric pump		4 poles	
Model	Code	kW	Weight [kg]	Model	Code	kW	Weight [kg]
GS4 40-315-263/B1/E 2,2	2688000036A	2,2	160,0	GS4 50-250-221/B1/E 2,2	2688000077A	2,2	115,0
GS4 40-315-263/B1/E 3	2688000037A	3	166,0	GS4 50-250-221/B1/E 3	2688000078A	3	121,0
GS4 40-315-290/B1/E 2,2	2688000039A	2,2	160,0	GS4 50-250-221/B1/E 4	2688000079A	4	127,0
GS4 40-315-290/B1/E 3	2688000040A	3	166,0	GS4 50-250-238/B1/E 1,5	2688000080A	1,5	105,0
GS4 40-315-290/B1/E 4	2688000041A	4	172,0	GS4 50-250-238/B1/E 2,2	2688000081A	2,2	115,0
GS4 40-315-290/B1/E 5,5	2688000042A	5,5	195,0	GS4 50-250-238/B1/E 3	2688000082A	3	121,0
GS4 40-315-312/B1/E 3	2688000043A	3	166,0	GS4 50-250-238/B1/E 4	2688000083A	4	127,0
GS4 40-315-312/B1/E 4	2688000044A	4	172,0	GS4 50-250-254/B1/E 1,5	2688000084A	1,5	105,0
GS4 40-315-312/B1/E 5,5	2688000045A	5,5	195,0	GS4 50-250-254/B1/E 3	2688000085A	3	121,0
GS4 40-315-334/B1/E 4	2688000046A	4	172,0	GS4 50-250-254/B1/E 4	2688000086A	4	127,0
GS4 40-315-334/B1/E 5,5	2688000047A	5,5	195,0	GS4 50-250-254/B1/E 5,5	2688000087A	5,5	150,0
GS4 40-315-334/B1/E 7,5	2688000048A	7,5	203,0	GS4 50-250-270/B1/E 3	2688000088A	3	121,0
GS4 50-125-111/B1/E 0,37	2688002303A	0,37	70,0	GS4 50-250-270/B1/E 4	2688000089A	4	127,0
GS4 50-125-111/B1/E 0,55	2688002286A	0,55	73,0	GS4 50-250-270/B1/E 5,5	2688000090A	5,5	150,0
GS4 50-125-123/B1/E 0,37	2688002287A	0,37	70,0	GS4 50-315-277/B1/E 3	2688000091A	3	170,0
GS4 50-125-123/B1/E 0,55	2688002288A	0,55	73,0	GS4 50-315-277/B1/E 4	2688000092A	4	176,0
GS4 50-125-134/B1/E 0,37	2688002289A	0,37	70,0	GS4 50-315-277/B1/E 5,5	2688000093A	5,5	199,0
GS4 50-125-134/B1/E 0,55	2688002290A	0,55	73,0	GS4 50-315-302/B1/E 4	2688000094A	4	176,0
GS4 50-125-134/B1/E 0,75	2688002291A	0,75	75,0	GS4 50-315-302/B1/E 5,5	2688000095A	5,5	199,0
GS4 50-125-144/B1/E 0,55	2688002292A	0,55	73,0	GS4 50-315-302/B1/E 7,5	2688000096A	7,5	207,0
GS4 50-125-144/B1/E 0,75	2688002293A	0,75	75,0	GS4 50-315-324/B1/E 4	2688000097A	4	176,0
GS4 50-125-144/B1/E 1,1	2688002294A	1,1	80,0	GS4 50-315-324/B1/E 5,5	2688000098A	5,5	199,0
GS4 50-160-131/B1/E 0,55	2688000049A	0,55	78,0	GS4 50-315-324/B1/E 7,5	2688000099A	7,5	207,0
GS4 50-160-131/B1/E 0,75	2688000050A	0,75	80,0	GS4 50-315-324/B1/E 11	2688000100A	11	284,0
GS4 50-160-148/B1/E 0,55	2688000051A	0,55	78,0	GS4 50-315-344/B1/E 5,5	2688000101A	5,5	199,0
GS4 50-160-148/B1/E 0,75	2688000052A	0,75	80,0	GS4 50-315-344/B1/E 7,5	2688000102A	7,5	207,0
GS4 50-160-148/B1/E 1,1	2688000053A	1,1	85,0	GS4 50-315-344/B1/E 11	2688000103A	11	284,0
GS4 50-160-164/B1/E 0,75	2688000054A	0,75	80,0	GS4 65-125-120/B1/E 0,55	2688002304A	0,55	82,0
GS4 50-160-164/B1/E 1,1	2688000055A	1,1	85,0	GS4 65-125-120/B1/E 0,75	2688002295A	0,75	84,0
GS4 50-160-164/B1/E 1,5	2688000056A	1,5	88,0	GS4 65-125-130/B1/E 0,75	2688002296A	0,75	84,0
GS4 50-160-177/B1/E 1,1	2688000057A	1,1	85,0	GS4 65-125-130/B1/E 1,1	2688002297A	1,1	89,0
GS4 50-160-177/B1/E 1,5	2688000058A	1,5	88,0	GS4 65-125-139/B1/E 1,1	2688002298A	1,1	89,0
GS4 50-160-177/B1/E 2,2	2688000059A	2,2	98,0	GS4 65-125-139/B1/E 1,5	2688002299A	1,5	92,0
GS4 50-200-171/B1/E 1,1	2688000060A	1,1	96,0	GS4 65-125-147/B1/E 1,1	2688002300A	1,1	89,0
GS4 50-200-171/B1/E 1,5	2688000061A	1,5	99,0	GS4 65-125-147/B1/E 1,5	2688002301A	1,5	92,0
GS4 50-200-171/B1/E 2,2	2688000062A	2,2	109,0	GS4 65-160-135/B1/E 0,75	2688000104A	0,75	88,0
GS4 50-200-188/B1/E 1,1	2688000063A	1,1	96,0	GS4 65-160-135/B1/E 1,1	2688000105A	1,1	93,0
GS4 50-200-188/B1/E 1,5	2688000064A	1,5	99,0	GS4 65-160-150/B1/E 0,75	2688000106A	0,75	88,0
GS4 50-200-188/B1/E 2,2	2688000065A	2,2	109,0	GS4 65-160-150/B1/E 1,1	2688000107A	1,1	93,0
GS4 50-200-203/B1/E 1,5	2688000066A	1,5	99,0	GS4 65-160-150/B1/E 1,5	2688000108A	1,5	96,0
GS4 50-200-203/B1/E 2,2	2688000067A	2,2	109,0	GS4 65-160-165/B1/E 1,1	2688000109A	1,1	93,0
GS4 50-200-203/B1/E 3	2688000068A	3	115,0	GS4 65-160-165/B1/E 1,5	2688000110A	1,5	96,0
GS4 50-200-219/B1/E 1,5	2688000069A	1,5	99,0	GS4 65-160-165/B1/E 2,2	2688000111A	2,2	106,0
GS4 50-200-219/B1/E 2,2	2688000070A	2,2	109,0	GS4 65-160-177/B1/E 1,5	2688000112A	1,5	96,0
GS4 50-200-219/B1/E 3	2688000071A	3	115,0	GS4 65-160-177/B1/E 2,2	2688000113A	2,2	106,0
GS4 50-200-219/B1/E 4	2688000072A	4	121,0	GS4 65-200-162/B1/E 1,1	2688000114A	1,1	99,0
GS4 50-250-210/B1/E 1,5	2688000073A	1,5	105,0	GS4 65-200-162/B1/E 1,5	2688000115A	1,5	102,0
GS4 50-250-210/B1/E 2,2	2688000074A	2,2	115,0	GS4 65-200-162/B1/E 2,2	2688000116A	2,2	112,0
GS4 50-250-210/B1/E 3	2688000075A	3	121,0	GS4 65-200-183/B1/E 1,5	2688000117A	1,5	102,0
GS4 50-250-221/B1/E 1,5	2688000076A	1,5	105,0	GS4 65-200-183/B1/E 2,2	2688000118A	2,2	112,0

# GS Series

Standardized end suction pumps (4 poles)



## Electric pump 4 poles

Model	Code	kW	Weight [kg]
GS4 65-200-203/B1/E 2,2	2688000119A	2,2	112,0
GS4 65-200-203/B1/E 3	2688000120A	3	118,0
GS4 65-200-219/B1/E 2,2	2688000121A	2,2	112,0
GS4 65-200-219/B1/E 3	2688000122A	3	118,0
GS4 65-200-219/B1/E 4	2688000123A	4	124,0
GS4 65-200-219/B1/E 5,5	2688000124A	5,5	147,0
GS4 65-250-215/B1/E 2,2	2688000125A	2,2	151,0
GS4 65-250-215/B1/E 3	2688000126A	3	157,0
GS4 65-250-215/B1/E 4	2688000127A	4	163,0
GS4 65-250-237/B1/E 2,2	2688000128A	2,2	151,0
GS4 65-250-237/B1/E 3	2688000129A	3	157,0
GS4 65-250-237/B1/E 4	2688000130A	4	163,0
GS4 65-250-237/B1/E 5,5	2688000131A	5,5	186,0
GS4 65-250-254/B1/E 3	2688000132A	3	157,0
GS4 65-250-254/B1/E 4	2688000133A	4	163,0
GS4 65-250-254/B1/E 5,5	2688000134A	5,5	186,0
GS4 65-250-254/B1/E 7,5	2688000135A	7,5	194,0
GS4 65-250-273/B1/E 4	2688000136A	4	163,0
GS4 65-250-273/B1/E 5,5	2688000137A	5,5	186,0
GS4 65-250-273/B1/E 7,5	2688000138A	7,5	194,0
GS4 65-315-261/B1/E 5,5	2688000139A	5,5	203,0
GS4 65-315-261/B1/E 7,5	2688000140A	7,5	211,0
GS4 65-315-261/B1/E 11	2688000141A	11	288,0
GS4 65-315-282/B1/E 5,5	2688000142A	5,5	203,0
GS4 65-315-282/B1/E 7,5	2688000143A	7,5	211,0
GS4 65-315-282/B1/E 11	2688000144A	11	288,0
GS4 65-315-303/B1/E 7,5	2688000145A	7,5	211,0
GS4 65-315-303/B1/E 11	2688000146A	11	288,0
GS4 65-315-303/B1/E 15	2688000147A	15	311,0
GS4 65-315-320/B1/E 7,5	2688000148A	7,5	211,0
GS4 65-315-320/B1/E 11	2688000149A	11	288,0
GS4 65-315-320/B1/E 15	2688000150A	15	311,0
GS4 80-160-147/127/B1/E 0,75	2688000151A	0,75	93,0
GS4 80-160-147/127/B1/E 1,1	2688000152A	1,1	98,0
GS4 80-160-147/127/B1/E 1,5	2688000153A	1,5	101,0
GS4 80-160-150/B1/E 1,1	2688000154A	1,1	98,0
GS4 80-160-150/B1/E 1,5	2688000155A	1,5	101,0
GS4 80-160-150/B1/E 2,2	2688000156A	2,2	111,0
GS4 80-160-164/B1/E 1,5	2688000157A	1,5	101,0
GS4 80-160-164/B1/E 2,2	2688000158A	2,2	111,0
GS4 80-160-164/B1/E 3	2688000159A	3	117,0
GS4 80-160-177/B1/E 2,2	2688000160A	2,2	111,0
GS4 80-160-177/B1/E 3	2688000161A	3	117,0
GS4 80-160-177/B1/E 4	2688000162A	4	123,0
GS4 80-200-170/159/B1/E 2,2	2688000163A	2,2	145,0
GS4 80-200-170/159/B1/E 3	2688000164A	3	151,0
GS4 80-200-170/159/B1/E 4	2688000165A	4	157,0
GS4 80-200-190/179/B1/E 3	2688000166A	3	151,0
GS4 80-200-190/179/B1/E 4	2688000167A	4	157,0
GS4 80-200-205/195/B1/E 3	2688000168A	3	151,0

## Electric pump 4 poles

Model	Code	kW	Weight [kg]
GS4 80-200-205/195/B1/E 4	2688000169A	4	157,0
GS4 80-200-205/195/B1/E 5,5	2688000170A	5,5	180,0
GS4 80-200-205/B1/E 4	2688000171A	4	157,0
GS4 80-200-205/B1/E 5,5	2688000172A	5,5	180,0
GS4 80-200-205/B1/E 7,5	2688000173A	7,5	188,0
GS4 80-200-222/B1/E 4	2688000174A	4	157,0
GS4 80-200-222/B1/E 5,5	2688000175A	5,5	180,0
GS4 80-200-222/B1/E 7,5	2688000176A	7,5	188,0
GS4 80-250-220/B1/E 3	2688000177A	3	161,0
GS4 80-250-220/B1/E 4	2688000178A	4	167,0
GS4 80-250-220/B1/E 5,5	2688000179A	5,5	190,0
GS4 80-250-220/B1/E 7,5	2688000180A	7,5	198,0
GS4 80-250-238/B1/E 4	2688000181A	4	167,0
GS4 80-250-238/B1/E 5,5	2688000182A	5,5	190,0
GS4 80-250-238/B1/E 7,5	2688000183A	7,5	198,0
GS4 80-250-255/B1/E 5,5	2688000184A	5,5	190,0
GS4 80-250-255/B1/E 7,5	2688000185A	7,5	198,0
GS4 80-250-255/B1/E 11	2688000186A	11	275,0
GS4 80-250-270/B1/E 7,5	2688000187A	7,5	198,0
GS4 80-250-270/B1/E 11	2688000188A	11	275,0
GS4 80-315-262/B1/E 5,5	2688000189A	5,5	214,0
GS4 80-315-262/B1/E 7,5	2688000190A	7,5	222,0
GS4 80-315-262/B1/E 11	2688000191A	11	299,0
GS4 80-315-280/B1/E 7,5	2688000192A	7,5	222,0
GS4 80-315-280/B1/E 11	2688000193A	11	299,0
GS4 80-315-280/B1/E 15	2688000194A	15	322,0
GS4 80-315-300/B1/E 11	2688000195A	11	299,0
GS4 80-315-300/B1/E 15	2688000196A	15	322,0
GS4 80-315-300/B1/E 18,5	2688000197A	18,5	355,0
GS4 80-315-316/B1/E 11	2688000198A	11	299,0
GS4 80-315-316/B1/E 15	2688000199A	15	322,0
GS4 80-315-316/B1/E 18,5	2688000200A	18,5	355,0
GS4 80-315-334/B1/E 11	2688000201A	11	299,0
GS4 80-315-334/B1/E 15	2688000202A	15	322,0
GS4 80-315-334/B1/E 18,5	2688000203A	18,5	355,0
GS4 80-315-334/B1/E 22	2688000204A	22	374,0
GS4 80-315-334/B1/E 30	2688000205A	30	431,0
GS4 80-400-335/M1/E 11	2688000206A	11	360,0
GS4 80-400-335/M1/E 15	2688000207A	15	383,0
GS4 80-400-335/M1/E 18,5	2688000208A	18,5	416,0
GS4 80-400-335/M1/E 22	2688000209A	22	435,0
GS4 80-400-347/M1/E 15	2688000210A	15	383,0
GS4 80-400-347/M1/E 18,5	2688000211A	18,5	416,0
GS4 80-400-347/M1/E 22	2688000212A	22	435,0
GS4 80-400-382/M1/E 15	2688000213A	15	383,0
GS4 80-400-382/M1/E 18,5	2688000214A	18,5	416,0
GS4 80-400-382/M1/E 22	2688000215A	22	435,0
GS4 80-400-382/M1/E 30	2688000216A	30	492,0
GS4 80-400-409/M1/E 18,5	2688000217A	18,5	416,0
GS4 80-400-409/M1/E 22	2688000218A	22	435,0

# GS Series



Standardized end suction pumps (4 poles)

Electric pump		4 poles		Electric pump		4 poles	
Model	Code	kW	Weight [kg]	Model	Code	kW	Weight [kg]
GS4 80-400-409/M1/E 30	2688000219A	30	492,0	GS4 100-400-350/M1/E 30	2688000269A	30	519,0
GS4 80-400-409/M1/E 37	2688000220A	37	630,0	GS4 100-400-381/M1/E 22	2688000270A	22	476,0
GS4 80-400-438/M1/E 22	2688000221A	22	435,0	GS4 100-400-381/M1/E 30	2688000271A	30	519,0
GS4 80-400-438/M1/E 30	2688000222A	30	492,0	GS4 100-400-381/M1/E 37	2688000272A	37	657,0
GS4 80-400-438/M1/E 37	2688000223A	37	630,0	GS4 100-400-412/M1/E 30	2688000273A	30	519,0
GS4 80-400-438/M1/E 45	2688000224A	45	665,0	GS4 100-400-412/M1/E 37	2688000274A	37	657,0
GS4 80-400-438/M1/E 55	2688000225A	55	744,0	GS4 100-400-412/M1/E 45	2688000275A	45	692,0
GS4 100-160-149/B1/E 2,2	2688000226A	2,2	169,0	GS4 125-200-174/B1/E 7,5	2688000276A	7,5	241,0
GS4 100-160-156/B1/E 2,2	2688000227A	2,2	169,0	GS4 125-200-190/B1/E 7,5	2688000277A	7,5	241,0
GS4 100-160-156/B1/E 3	2688000228A	3	175,0	GS4 125-200-207/B1/E 7,5	2688000278A	7,5	241,0
GS4 100-160-170/B1/E 2,2	2688000229A	2,2	169,0	GS4 125-200-207/B1/E 11	2688000279A	11	318,0
GS4 100-160-170/B1/E 3	2688000230A	3	175,0	GS4 125-200-224/B1/E 7,5	2688000280A	7,5	241,0
GS4 100-160-183/B1/E 3	2688000231A	3	175,0	GS4 125-200-224/B1/E 11	2688000281A	11	318,0
GS4 100-160-183/B1/E 4	2688000232A	4	181,0	GS4 125-200-224/B1/E 15	2688000282A	15	341,0
GS4 100-160-183/B1/E 5,5	2688000233A	5,5	204,0	GS4 125-250-213/B1/E 7,5	2688000283A	7,5	252,0
GS4 100-200-171/B1/E 2,2	2688000234A	2,2	181,0	GS4 125-250-213/B1/E 11	2688000284A	11	329,0
GS4 100-200-171/B1/E 3	2688000235A	3	187,0	GS4 125-250-233/B1/E 11	2688000285A	11	329,0
GS4 100-200-187/B1/E 3	2688000236A	3	187,0	GS4 125-250-233/B1/E 15	2688000286A	15	352,0
GS4 100-200-187/B1/E 4	2688000237A	4	193,0	GS4 125-250-254/B1/E 11	2688000287A	11	329,0
GS4 100-200-204/B1/E 4	2688000238A	4	193,0	GS4 125-250-254/B1/E 15	2688000288A	15	352,0
GS4 100-200-204/B1/E 5,5	2688000239A	5,5	216,0	GS4 125-250-254/B1/E 18,5	2688000289A	18,5	385,0
GS4 100-200-204/B1/E 7,5	2688000240A	7,5	224,0	GS4 125-250-274/B1/E 15	2688000290A	15	352,0
GS4 100-200-220/B1/E 5,5	2688000241A	5,5	216,0	GS4 125-250-274/B1/E 18,5	2688000291A	18,5	385,0
GS4 100-200-220/B1/E 7,5	2688000242A	7,5	224,0	GS4 125-250-274/B1/E 22	2688000292A	22	404,0
GS4 100-200-220/B1/E 11	2688000243A	11	301,0	GS4 125-250-274/B1/E 30	2688000293A	30	461,0
GS4 100-250-210/B1/E 4	2688000244A	4	198,0	GS4 125-315-259/B1/E 15	2688000294A	15	411,0
GS4 100-250-210/B1/E 5,5	2688000245A	5,5	221,0	GS4 125-315-284/B1/E 15	2688000295A	15	411,0
GS4 100-250-230/B1/E 5,5	2688000246A	5,5	221,0	GS4 125-315-284/B1/E 18,5	2688000296A	18,5	444,0
GS4 100-250-230/B1/E 7,5	2688000247A	7,5	229,0	GS4 125-315-284/B1/E 22	2688000297A	22	463,0
GS4 100-250-250/B1/E 4	2688000248A	4	198,0	GS4 125-315-309/B1/E 15	2688000298A	15	411,0
GS4 100-250-250/B1/E 5,5	2688000249A	5,5	221,0	GS4 125-315-309/B1/E 18,5	2688000299A	18,5	444,0
GS4 100-250-250/B1/E 7,5	2688000250A	7,5	229,0	GS4 125-315-309/B1/E 22	2688000300A	22	463,0
GS4 100-250-250/B1/E 11	2688000251A	11	306,0	GS4 125-315-309/B1/E 30	2688000301A	30	506,0
GS4 100-250-270/B1/E 7,5	2688000252A	7,5	229,0	GS4 125-315-334/B1/E 18,5	2688000302A	18,5	444,0
GS4 100-250-270/B1/E 11	2688000253A	11	306,0	GS4 125-315-334/B1/E 22	2688000303A	22	463,0
GS4 100-250-270/B1/E 15	2688000254A	15	329,0	GS4 125-315-334/B1/E 30	2688000304A	30	506,0
GS4 100-315-242/B1/E 11	2688000255A	11	307,0	GS4 125-315-334/B1/E 37	2688000305A	37	644,0
GS4 100-315-265/B1/E 11	2688000256A	11	307,0	GS4 125-315-334/B1/E 45	2688000306A	45	679,0
GS4 100-315-265/B1/E 15	2688000257A	15	330,0	GS4 125-400-329/M1/E 30	2688000307A	30	548,0
GS4 100-315-289/B1/E 11	2688000258A	11	307,0	GS4 125-400-360/M1/E 30	2688000308A	30	548,0
GS4 100-315-289/B1/E 15	2688000259A	15	330,0	GS4 125-400-360/M1/E 37	2688000309A	37	686,0
GS4 100-315-289/B1/E 18,5	2688000260A	18,5	363,0	GS4 125-400-392/M1/E 37	2688000310A	37	686,0
GS4 100-315-312/B1/E 15	2688000261A	15	330,0	GS4 125-400-392/M1/E 45	2688000311A	45	721,0
GS4 100-315-312/B1/E 18,5	2688000262A	18,5	363,0	GS4 125-400-392/M1/E 55	2688000312A	55	800,0
GS4 100-315-312/B1/E 22	2688000263A	22	382,0	GS4 125-400-424/M1/E 37	2688000313A	37	686,0
GS4 100-315-312/B1/E 30	2688000264A	30	439,0	GS4 125-400-424/M1/E 45	2688000314A	45	721,0
GS4 100-400-320/M1/E 15	2688000265A	15	424,0	GS4 125-400-424/M1/E 55	2688000315A	55	800,0
GS4 100-400-320/M1/E 18,5	2688000266A	18,5	457,0	GS4 125-400-424/M1/E 75	2688000316A	75	1.012,0
GS4 100-400-350/M1/E 18,5	2688000267A	18,5	457,0	GS4 125-500-396/M1/E 37	2688000317A	37	886,0
GS4 100-400-350/M1/E 22	2688000268A	22	476,0	GS4 125-500-396/M1/E 45	2688000318A	45	921,0

# GS Series

Standardized end suction pumps (4 poles)



## Electric pump 4 poles

Model	Code	kW	Weight [kg]
GS4 125-500-434/M1/E 37	2688000319A	37	886,0
GS4 125-500-434/M1/E 45	2688000320A	45	921,0
GS4 125-500-434/M1/E 55	2688000321A	55	967,0
GS4 125-500-473/M1/E 45	2688000322A	45	921,0
GS4 125-500-473/M1/E 55	2688000323A	55	967,0
GS4 125-500-473/M1/E 75	2688000324A	75	1.160,0
GS4 125-500-511/M1/E 45	2688000325A	45	921,0
GS4 125-500-511/M1/E 55	2688000326A	55	967,0
GS4 125-500-511/M1/E 75	2688000327A	75	1.160,0
GS4 125-500-511/M1/E 90	2688000328A	90	1.924,0
GS4 150-200-181/145/M1/E 7,5	2688000329A	7,5	327,0
GS4 150-200-195/163/M1/E 7,5	2688000330A	7,5	327,0
GS4 150-200-209/180/M1/E 7,5	2688000331A	7,5	327,0
GS4 150-200-209/180/M1/E 11	2688000332A	11	366,0
GS4 150-200-224/197/M1/E 11	2688000333A	11	366,0
GS4 150-200-224/197/M1/E 15	2688000334A	15	389,0
GS4 150-200-224/197/M1/E 18,5	2688000335A	18,5	422,0
GS4 150-250-213/B1/E 15	2688000336A	15	406,0
GS4 150-250-233/B1/E 18,5	2688000337A	18,5	439,0
GS4 150-250-233/B1/E 22	2688000338A	22	458,0
GS4 150-250-254/B1/E 18,5	2688000339A	18,5	439,0
GS4 150-250-254/B1/E 22	2688000340A	22	458,0
GS4 150-250-254/B1/E 30	2688000341A	30	501,0
GS4 150-250-274/B1/E 22	2688000342A	22	458,0
GS4 150-250-274/B1/E 30	2688000343A	30	501,0
GS4 150-250-274/B1/E 37	2688000344A	37	639,0
GS4 150-315-273/B1/E 18,5	2688000345A	18,5	493,0
GS4 150-315-273/B1/E 22	2688000346A	22	512,0
GS4 150-315-300/B1/E 22	2688000347A	22	512,0
GS4 150-315-300/B1/E 30	2688000348A	30	555,0
GS4 150-315-326/B1/E 22	2688000349A	22	512,0
GS4 150-315-326/B1/E 30	2688000350A	30	555,0
GS4 150-315-326/B1/E 37	2688000351A	37	730,0
GS4 150-315-326/B1/E 45	2688000352A	45	765,0
GS4 150-315-352/B1/E 37	2688000353A	37	730,0
GS4 150-315-352/B1/E 45	2688000354A	45	765,0
GS4 150-315-352/B1/E 55	2688000355A	55	807,0
GS4 150-315-352/B1/E 75	2688000356A	75	1.014,0
GS4 150-400-319/M1/E 45	2688000357A	45	879,0
GS4 150-400-350/M1/E 45	2688000358A	45	879,0
GS4 150-400-350/M1/E 55	2688000359A	55	921,0
GS4 150-400-380/M1/E 55	2688000360A	55	921,0
GS4 150-400-380/M1/E 75	2688000361A	75	1.133,0
GS4 150-400-411/M1/E 55	2688000362A	55	921,0
GS4 150-400-411/M1/E 75	2688000363A	75	1.133,0
GS4 150-400-411/M1/E 90	2688000364A	90	1.203,0
GS4 150-500-396/M1/E 75	2688000365A	75	1.286,0
GS4 150-500-434/M1/E 75	2688000366A	75	1.286,0
GS4 150-500-434/M1/E 90	2688000367A	90	1.361,0
GS4 150-500-473/M1/E 90	2688000368A	90	1.361,0

## Electric pump 4 poles

Model	Code	kW	Weight [kg]
GS4 150-500-473/M1/E 110	2688000369A	110	1.653,0
GS4 150-500-473/M1/E 132	2688000370A	132	1.713,0
GS4 150-500-511/M1/E 90	2688000371A	90	1.361,0
GS4 150-500-511/M1/E 110	2688000372A	110	1.653,0
GS4 150-500-511/M1/E 132	2688000373A	132	1.713,0
GS4 150-500-511/M1/E 160	2688000374A	160	1.789,0
GS4 200-400-326/M1/E 75	2688000375A	75	1.322,0
GS4 200-400-326/M1/E 90	2688000376A	90	1.397,0
GS4 200-400-357/M1/E 90	2688000377A	90	1.397,0
GS4 200-400-357/M1/E 110	2688000378A	110	1.669,0
GS4 200-400-389/M1/E 110	2688000379A	110	1.669,0
GS4 200-400-389/M1/E 132	2688000380A	132	1.729,0
GS4 200-400-389/M1/E 160	2688000381A	160	1.805,0
GS4 200-400-420/M1/E 110	2688000382A	110	1.669,0
GS4 200-400-420/M1/E 132	2688000383A	132	1.729,0
GS4 200-400-420/M1/E 160	2688000384A	160	1.805,0
GS4 200-400-420/M1/E 200	2688000385A	200	1.930,0
GS4 200-500-411/M1/E 160	2688000386A	160	1.946,0
GS4 200-500-451/M1/E 160	2688000387A	160	1.946,0
GS4 200-500-451/M1/E 200	2688000388A	200	2.071,0
GS4 200-500-490/M1/E 200	2688000389A	200	2.071,0
GS4 200-500-490/M1/E 250	2688000390A	250	2.318,0
GS4 200-500-490/M1/E 315	2688000391A	315	2.638,0
GS4 200-500-530/M1/E 250	2688000392A	250	2.318,0
GS4 200-500-530/M1/E 315	2688000393A	315	2.638,0
GS4 200-500-530/M1/E 355	2688000394A	355	2.827,0

# GS Series



Standardized end suction pumps (only hydraulic)

Bare shaft					Bare shaft				
Model	Code	kW [min÷max]		Weight [kg]	Model	Code	kW [min÷max]		Weight [kg]
		2 poles	4 poles				2 poles	4 poles	
GS 32-125.1-100/B1	2680000047A	0,75÷1,1	0,37	28,00	GS 40-315 -310/B1	2680000086A	30÷45	-	
GS 32-125.1-115/B1	2680000048A	1,1÷1,5	0,37	28,00	GS 40-315 -312/B1	2680000200A	-	3÷5,5	82,00
GS 32-125.1-129/B1	2680000049A	1,5÷2,2	0,37	28,00	GS 40-315 -326/B1	2680000201A	30÷55	-	82,00
GS 32-125.1-140/B1	2680000000A	1,5÷2,2	0,37÷0,55	28,00	GS 40-345 -334/B1	2680000011A	-	4÷7,5	82,00
GS 32-125-106/B1	2680000056A	0,75÷1,1	0,37	28,00	GS 50-125-111/B1	2680000087A	1,5÷3	0,37÷0,55	33,00
GS 32-125-119/B1	2680000057A	1,1÷1,5	0,37	28,00	GS 50-125-123/B1	2680000088A	2,2÷4	0,37÷0,55	33,00
GS 32-125-131/B1	2680000058A	1,5÷3	0,37÷0,55	28,00	GS 50-125-134/B1	2680000089A	3÷5,5	0,37÷0,75	33,00
GS 32-125-142/B1	2680000003A	1,5÷3	0,37÷0,75	28,00	GS 50-125-144/B1	2680000012A	4÷7,5	0,55÷1,1	33,00
GS 32-160.1-126/B1	2680000050A	1,5÷2,2	0,37	29,00	GS 50-160-131/B1	2680000090A	2,2÷5,5	0,55÷0,75	33,00
GS 32-160.1-145/B1	2680000051A	2,2÷3	0,37÷0,55	29,00	GS 50-160-148/B1	2680000091A	3÷7,5	0,55÷1,1	33,00
GS 32-160.1-163/B1	2680000052A	2,2÷4	0,37÷0,55	29,00	GS 50-160-164/B1	2680000092A	4÷11	0,75÷1,5	33,00
GS 32-160.1-177/B1	2680000001A	3÷5,5	0,55÷0,75	29,00	GS 50-160-177/B1	2680000013A	7,5÷15	1,1÷2,2	33,00
GS 32-160-139/B1	2680000059A	1,5÷2,2	0,37÷0,55	29,00	GS 50-200-171/B1	2680000093A	3÷11	1,1÷2,2	44,00
GS 32-160-152/B1	2680000060A	2,2÷4	0,37÷0,55	29,00	GS 50-200-188/B1	2680000094A	7,5÷15	1,1÷2,2	44,00
GS 32-160-164/B1	2680000061A	2,2÷4	0,37÷0,55	29,00	GS 50-200-203/B1	2680000095A	11÷22	1,5÷3	44,00
GS 32-160-177/B1	2680000004A	3÷5,5	0,55÷0,75	29,00	GS 50-200-219/B1	2680000014A	11÷30	1,5÷4	44,00
GS 32-200.1-172/B1	2680000053A	2,2÷3	0,55	39,00	GS 50-250-210/B1	2680000096A	15÷22	1,5÷3	50,00
GS 32-200.1-184/B1	2680000054A	3÷4	0,55	39,00	GS 50-250-221/B1	2680000097A	18,5÷30	1,5÷4	50,00
GS 32-200.1-196/B1	2680000055A	3÷5,5	0,55÷0,75	39,00	GS 50-250-238/B1	2680000098A	18,5÷30	1,5÷4	50,00
GS 32-200.1-207/B1	2680000002A	3÷5,5	0,55÷1,1	39,00	GS 50-250-254/B1	2680000099A	22÷37	1,5÷5,5	50,00
GS 32-200-170/B1	2680000062A	-	0,55÷0,75	39,00	GS 50-250-270/B1	2680000015A	22÷45	3÷5,5	50,00
GS 32-200-175/B1	2680000063A	2,2÷5,5	-	39,00	GS 50-315-277/B1	2680000100A	22÷45	3÷5,5	86,00
GS 32-200-184/B1	2680000064A	3÷7,5	0,55÷1,1	39,00	GS 50-315-302/B1	2680000101A	30÷55	4÷7,5	86,00
GS 32-200-197/B1	2680000065A	4÷7,5	0,75÷1,1	39,00	GS 50-315-324/B1	2680000102A	37÷75	4÷11	86,00
GS 32-200-208/B1	2680000066A	5,5÷11	0,75÷1,5	39,00	GS 50-315-344/B1	268000016A	-	5,5÷11	86,00
GS 32-200-219/B1	2680000005A	5,5÷15	1,1÷1,5	39,00	GS 65-125-120/B1	2680000103A	3÷5,5	0,55÷0,75	37,00
GS 32-250-198/B1	2680000067A	7,5	0,75÷1,1	46,00	GS 65-125-130/B1	2680000104A	4÷7,5	0,75÷1,1	37,00
GS 32-250-222/B1	2680000068A	7,5÷11	1,1÷1,5	46,00	GS 65-125-139/B1	2680000105A	5,5÷11	1,1÷1,5	37,00
GS 32-250-241/B1	2680000069A	11÷15	1,5÷2,2	46,00	GS 65-125-147/B1	268000017A	7,5÷11	1,1÷1,5	37,00
GS 32-250-262/B1	2680000006A	11÷18,5	1,5÷3	46,00	GS 65-160-135/B1	2680000106A	5,5÷7,5	0,75÷1,1	41,00
GS 40-125-105/B1	2680000070A	1,1÷1,5	0,37	30,00	GS 65-160-150/B1	2680000107A	7,5÷11	0,75÷1,5	41,00
GS 40-125-119/B1	2680000071A	1,1÷2,2	0,37	30,00	GS 65-160-165/B1	2680000108A	11÷15	1,1÷2,2	41,00
GS 40-125-131/B1	2680000072A	2,2÷4	0,37÷0,55	30,00	GS 65-160-177/B1	2680000108A	11÷18,5	1,5÷2,2	41,00
GS 40-125-142/B1	2680000007A	3÷5,5	0,37÷0,75	30,00	GS 65-200-162/B1	2680000109A	11÷15	1,1÷2,2	47,00
GS 40-160-134/B1	2680000073A	1,5÷4	0,37÷0,55	31,00	GS 65-200-183/B1	2680000110A	11÷18,5	1,5÷2,2	47,00
GS 40-160-150/B1	2680000074A	3÷5,5	0,37÷0,75	31,00	GS 65-200-203/B1	2680000111A	15÷30	2,2÷3	47,00
GS 40-160-163/B1	2680000075A	4÷7,5	0,55÷1,1	31,00	GS 65-200-219/B1	2680000119A	15÷30	2,2÷5,5	47,00
GS 40-160-177/B1	2680000008A	4÷11	0,55÷1,5	31,00	GS 65-250-215/B1	2680000112A	18,5÷30	2,2÷4	73,00
GS 40-200-172/B1	2680000076A	3÷11	0,55÷1,5	41,00	GS 65-250-237/B1	2680000113A	22÷37	2,2÷5,5	73,00
GS 40-200-189/B1	2680000077A	5,5÷11	0,75÷1,5	41,00	GS 65-250-254/B1	2680000114A	22÷45	3÷7,5	73,00
GS 40-200-205/B1	2680000078A	7,5÷15	1,1÷2,2	41,00	GS 65-250-273/B1	268000020A	30÷45	4÷7,5	73,00
GS 40-200-219/B1	2680000009A	11÷18,5	1,1÷2,2	41,00	GS 65-315-258/B1	2680000115A	30÷75	-	90,00
GS 40-250-211/B1	2680000079A	7,5÷15	1,1÷1,5	48,00	GS 65-315-261/B1	2680000116A	-	5,5÷11	90,00
GS 40-250-228/B1	2680000080A	11÷15	1,1÷2,2	48,00	GS 65-315-282/B1	2680000117A	37÷75	5,5÷11	90,00
GS 40-250-245/B1	2680000081A	11÷22	1,1÷3	48,00	GS 65-315-303/B1	2680000118A	45÷110	7,5÷15	90,00
GS 40-250-260/B1	2680000010A	15÷30	1,1÷3	48,00	GS 65-315-320/B1	268000021A	45÷110	7,5÷15	90,00
GS 40-315-256/B1	2680000082A	15÷22	-	82,00	GS 80-160-147/127/B1	2680000119A	7,5÷11	0,75÷1,5	46,00
GS 40-315-263/B1	2680000083A	-	2,2÷3	82,00	GS 80-160-150/B1	2680000120A	11÷15	1,1÷2,2	46,00
GS 40-315-289/B1	2680000084A	22÷37	-	82,00	GS 80-160-164/B1	2680000121A	15÷18,5	1,5÷3	46,00
GS 40-315-290/B1	2680000085A	-	2,2÷5,5	82,00	GS 80-160-177/B1	268000022A	15÷30	2,2÷4	46,00

# GS Series

Standardized end suction pumps (only hydraulic)



## Bare shaft

Model	Code	kW [min÷max]		Weight [kg]
		2 poles	4 poles	
GS 80-200-170/159/B1	2680000122A	15÷22	2,2÷4	67,00
GS 80-200-190/179/B1	2680000123A	18,5÷30	3÷4	67,00
GS 80-200-205/195/B1	2680000124A	22÷37	3÷5,5	67,00
GS 80-200-205/B1	2680000125A	22÷45	4÷7,5	67,00
GS 80-200-222/B1	2680000023A	30÷55	4÷7,5	67,00
GS 80-250-220/B1	2680000126A	22÷55	3÷7,5	77,00
GS 80-250-238/B1	2680000127A	30÷55	4÷7,5	77,00
GS 80-250-255/B1	2680000128A	37÷75	5,5÷11	77,00
GS 80-250-270/B1	2680000024A	22÷90	7,5÷11	77,00
GS 80-315-265/B1	2680000129A	-	5,5÷11	101,00
GS 80-315-280/B1	2680000130A	-	7,5÷15	101,00
GS 80-315-300/B1	2680000131A	-	11÷18,5	101,00
GS 80-315-316/B1	2680000132A	-	11÷18,5	101,00
GS 80-315-334/B1	2680000045A	-	11÷30	101,00
GS 80-315L-265/B1	2680000133A	75÷90	-	112,00
GS 80-315L-280/B1	2680000134A	75÷110	-	112,00
GS 80-315L-300/B1	2680000135A	90÷132	-	112,00
GS 80-315L-316/B1	2680000136A	110÷160	-	112,00
GS 80-315L-334/B1	2680000025A	110÷160	-	112,00
GS 80-400-335/B1	2680000137A	-	11÷22	162,00
GS 80-400-347/B1	2680000138A	-	15÷22	162,00
GS 80-400-382/B1	2680000139A	-	15÷30	162,00
GS 80-400-409/B1	2680000140A	-	18,5÷37	162,00
GS 80-400-438/B1	2680000046A	-	22÷55	162,00
GS 100-160-149/B1	2680000141A	18,5	2,20	91,00
GS 100-160-156/B1	2680000142A	18,5	2,2÷3	91,00
GS 100-160-170/B1	2680000143A	18,5÷30	2,2÷3	91,00
GS 100-160-183/B1	2680000026A	22÷37	3÷5,5	91,00
GS 100-200-171/B1	2680000144A	18,5÷30	2,2÷3	103,00
GS 100-200-187/B1	2680000145A	22÷37	3÷4	103,00
GS 100-200-204/B1	2680000146A	30÷55	4÷7,5	103,00
GS 100-200-220/B1	2680000027A	37÷75	5,5÷11	103,00
GS 100-250-210/B1	2680000147A	30÷45	4÷5,5	108,00
GS 100-250-230/B1	2680000148A	37÷75	5,5÷7,5	108,00
GS 100-250-250/B1	2680000149A	37÷90	4÷11	108,00
GS 100-250-265/B1	2680000150A	45÷110	-	108,00
GS 100-250-270/B1	2680000028A	-	7,5÷15	108,00
GS 100-315-242/B1	2680000151A	-	11,00	109,00
GS 100-315-265/B1	2680000152A	-	11÷15	109,00
GS 100-315-289/B1	2680000153A	-	11÷18,5	109,00
GS 100-315-312/B1	2680000043A	-	15÷30	109,00
GS 100-315L2422/B1	2680000154A	75	-	134,00
GS 100-315L2652/B1	2680000155A	75÷110	-	134,00
GS 100-315L2892/B1	2680000156A	75÷160	-	134,00
GS 100-315L-312/B1	2680000029A	110÷200	-	134,00
GS 100-400-320/M1	2680000157A	-	15÷18,5	189,00
GS 100-400-350/M1	2680000158A	-	18,5÷30	189,00
GS 100-400-381/M1	2680000159A	-	22÷37	189,00
GS 100-400-412/M1	2680000044A	-	30÷45	189,00
GS 125-200-174/B1	2680000160A	37÷45	7,50	120,00

## Bare shaft

Model	Code	kW [min÷max]		Weight [kg]
		2 poles	4 poles	
GS 125-200-190/B1	2680000161A	37÷55	7,50	120,00
GS 125-200-207/B1	2680000162A	45÷75	7,5÷11	120,00
GS 125-200-224/B1	2680000030A	55÷110	7,5÷15	120,00
GS 125-250-213/B1	2680000163A	-	7,5÷11	131,00
GS 125-250-233/B1	2680000164A	-	11÷15	131,00
GS 125-250-254/B1	2680000165A	-	11÷18,5	131,00
GS 125-250-274/B1	2680000042A	-	15÷30	131,00
GS 125-250L2134/B1	2680000166A	75÷90	-	148,00
GS 125-250L2334/B1	2680000167A	75÷110	-	148,00
GS 125-250L2544/B1	2680000168A	90÷160	-	148,00
GS 125-250L-274/B1	2680000031A	110÷200	-	148,00
GS 125-315-259/B1	2680000169A	90÷110	15,00	176,00
GS 125-315-284/B1	2680000170A	110÷160	15÷22	176,00
GS 125-315-309/B1	2680000171A	110÷200	15÷30	176,00
GS 125-315-334/B1	2680000032A	-	18,5÷45	176,00
GS 125-400-329/M1	2680000172A	-	30,00	218,00
GS 125-400-360/M1	2680000173A	-	30÷37	218,00
GS 125-400-392/M1	2680000174A	-	37÷55	218,00
GS 125-400-424/M1	2680000040A	-	37÷75	218,00
GS 125-500-396/M1	2680000175A	-	37÷45	365,00
GS 125-500-434/M1	2680000176A	-	37÷55	365,00
GS 125-500-473/M1	2680000177A	-	45÷75	365,00
GS 125-500-511/M1	2680000041A	-	45÷90	365,00
GS 150-200-181/145/B1	2680000178A	37	7,50	154,00
GS 150-200-195/163/B1	2680000179A	45÷55	7,50	154,00
GS 150-200-209/180/B1	2680000180A	55÷75	7,5÷11	154,00
GS 150-200-211/B1	2680000033A	75÷90	11÷18,5	154,00
GS 150-250-213/B1	2680000181A	110÷132	15,00	171,00
GS 150-250-233/B1	2680000182A	110÷160	18,5÷22	171,00
GS 150-250-250/B1	2680000183A	132÷200	-	171,00
GS 150-250-254/B1	2680000184A	-	18,5÷30	171,00
GS 150-250-274/B1	2680000034A	-	22÷37	171,00
GS 150-315-273/B1	2680000185A	-	18,5÷22	225,00
GS 150-315-300/B1	2680000186A	-	22÷30	225,00
GS 150-315-326/B1	2680000187A	-	22÷45	225,00
GS 150-315-352/B1	2680000035A	-	37÷75	225,00
GS 150-400-319/M1	2680000188A	-	45,00	339,00
GS 150-400-350/M1	2680000189A	-	45÷55	339,00
GS 150-400-380/M1	2680000190A	-	55÷75	339,00
GS 150-400-411/M1	2680000036A	-	55÷90	339,00
GS 150-500-396/M1	2680000191A	-	75,00	491,00
GS 150-500-434/M1	2680000192A	-	75÷90	491,00
GS 150-500-473/M1	2680000193A	-	90÷132	491,00
GS 150-500-511/M1	2680000037A	-	90÷160	491,00
GS 200-400-326/M1	2680000194A	-	75÷90	508,00
GS 200-400-357/M1	2680000195A	-	90÷110	508,00
GS 200-400-389/M1	2680000196A	-	110÷160	508,00
GS 200-400-420/M1	2680000038A	-	110÷200	508,00
GS 200-500-411/M1	2680000197A	-	160,00	645,00
GS 200-500-451/M1	2680000198A	-	160÷200	645,00

# Notes

Bare shaft				
Model	Code	kW [min÷max]		Weight [kg]
		2 poles	4 poles	
GS 200-500-490/M1	2680000199A	-	200÷315	645,00
GS 200-500-530/M1	2680000039A	-	250÷355	645,00



## COMPACT

134

Horizontal multistage centrifugal pumps in cast iron



## MATRIX

137

Horizontal multistage centrifugal pumps in AISI 304 stainless steel



## CVM

143

Vertical multistage centrifugal pumps in cast iron



## CVM with E-drive

147

Electric vertical multistage pumps in cast iron



## MULTIGO

150

Vertical multistage centrifugal pumps in AISI 304 stainless steel



## EVMS - EVMSG - EVMSL

153

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



## EVMSG with E-drive

192

Electric vertical multistage pumps in cast iron



# 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.

COMPACT



Lightweight  
and easy to  
transport



Practical  
and easy  
to use



Low noise

## Materials

Pump body	Cast iron
Impeller	PPE+PS reinforced with fibreglass
Stages	PPE+PS reinforced with fibreglass/PTFE
Shaft	AISI 416 (EN 1.4005)
Mechanical seal	Ceramic/Carbon/NBR (standard)
Motor support	Cast iron

## Technical data

Max. working pressure 10 bar

Max. temperature of the liquid (clear water) +40°C

Poles 2

Insulation class F

Protection degree IP44

Voltage Single phase 1~230V ±10%  
Three phase 3~230/400V ±10%

Permanent split capacitor built in overload motor protector with automatic reset. The three phase version does not have an internal motor protector, therefore overload protection must be provided by the user.

## Accessories



**Tanks**  
Page 444 - 8/10 bar 5/10 litres tanks



**Floats**  
Page 443 - Key floats with counterweight



**Pressure switches**  
Page 443 - 1,3÷12 bar pressure switches



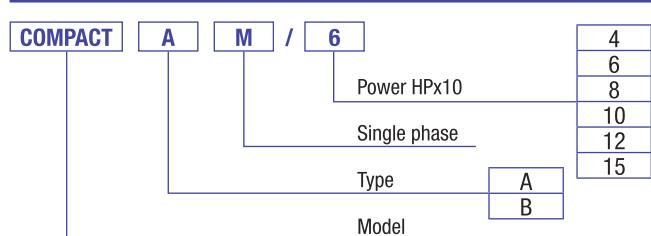
**Control systems**  
Page 431 - **Presscomfort**  
Pressure regulator  
Page 432 - **Servopress**  
Pressure regulator  
Page 430 - **E-power**  
Variable speed control systems  
Page 426 - **E-SPD**  
Variable speed control systems  
Page 428 - **E-drive**  
Variable speed control systems  
Page 424 - **Control panels**  
SMART EVO 1-2

# COMPACT

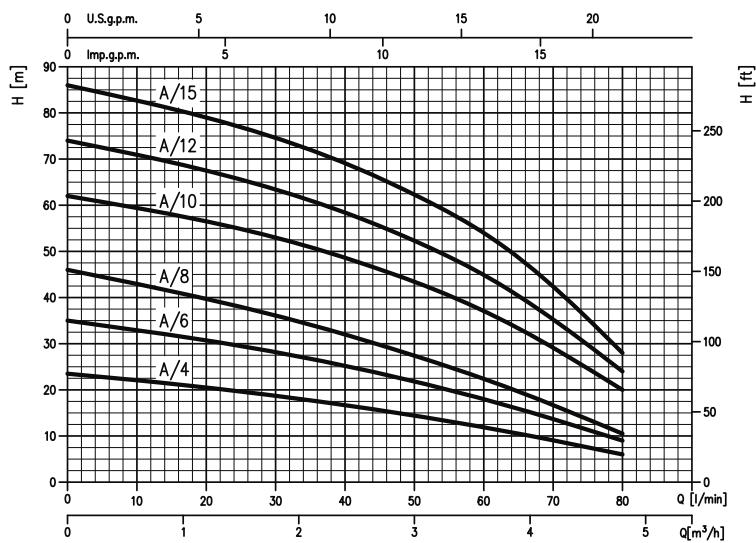
Horizontal multistage pumps in cast iron



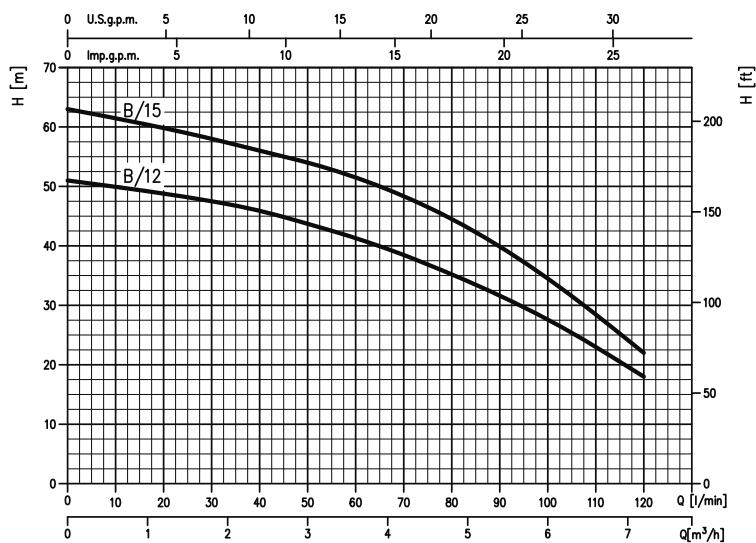
## Identification code



## COMPACT A



## COMPACT B

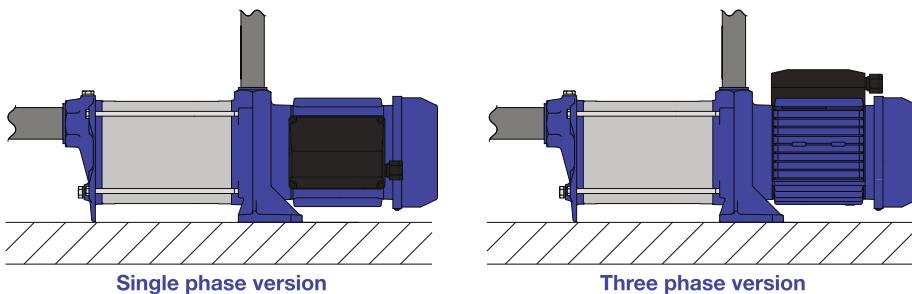


# COMPACT

Horizontal multistage pumps in cast iron

COMPACT

## Installation



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

### Single phase 230V

Model	Code	HP	kW	Q=Flow rate												Abs. Curr. [A] 230V	DNA	DNM	Weight [kg]
				I/min	0	20	30	40	50	60	80	100	120						
				m³/h	0	1,2	1,8	2,4	3,0	3,6	4,8	6,0	7,2	H=Total head [m]					
COMPACT/A AM/4	1480010000A	0,4	0,3		23,5	20,5	18,7	16,7	14,4	11,9	6	-	-		2,5	G1	G1	8,4	
COMPACT/A AM/6	1480020000A	0,6	0,44		35	30,7	28,2	25,2	21,8	18	9	-	-		3	G1	G1	9,3	
COMPACT/A AM/8	1480030000A	0,8	0,6		46	39,7	36,1	32	27,4	22,4	10,5	-	-		4	G1	G1	10,3	
COMPACT AM/10	1480040000	1	0,75		62	56,5	53	48,5	43,5	37,1	20	-	-		6	G1	G1	14,5	
COMPACT AM/12	1480050000	1,2	0,9		74	67,5	63,5	58,5	52,5	45	24	-	-		6,2	G1	G1	15,5	
COMPACT AM/15	1480060000	1,5	1,1		86	79	74,5	69	62,5	54	28	-	-		7,3	G1	G1	16,7	
COMPACT BM/12	1480070000	1,2	0,9		51	-	47,5	46	43,5	41,5	35,2	27,6	18		5,8	G1½	G1	14,9	
COMPACT BM/15	1480080000	1,5	1,1		63	-	58	56	54	51,5	44,5	34,5	22		7,3	G1½	G1	15,9	

### Three phase 230/400V

Model	Code	HP	kW	Q=Flow rate												Abs. Curr. [A] 230V 400V	DNA	DNM	Weight [kg]
				I/min	0	20	30	40	50	60	80	100	120						
				m³/h	0	1,2	1,8	2,4	3,0	3,6	4,8	6,0	7,2	H=Total head [m]					
COMPACT/L A/4	1480010004L	0,4	0,3		23,5	20,5	18,7	16,7	14,4	11,9	6	-	-		1,9	1,1	G1	G1	8,4
COMPACT/L A/6	1480020004L	0,6	0,44		35	30,7	28,2	25,2	21,8	18	9	-	-		2,3	1,3	G1	G1	9,3
COMPACT/L A/8	1480030004L	0,8	0,6		46	39,7	36,1	32	27,4	22,4	10,5	-	-		2,6	1,5	G1	G1	10,3
COMPACT/L A/10	1480040004L	1	0,75		62	56,5	53	48,5	43,5	37,1	20	-	-		3,3	1,9	G1	G1	14,5
COMPACT/L A/12	1480050004L	1,2	0,9		74	67,5	63,5	58,5	52,5	45	24	-	-		4,3	2,5	G1	G1	16,3
COMPACT/L A/15	1480060004L	1,5	1,1		86	79	74,5	69	62,5	54	28	-	-		4,3	2,5	G1	G1	16,7
COMPACT/L B/12	1480070004L	1,2	0,9		51	-	47,5	46	43,5	41,5	35,2	27,6	18		4,3	2,5	G1½	G1	15,7
COMPACT/L B/15	1480080004L	1,5	1,1		63	-	58	56	54	51,5	44,5	34,5	22		4,3	2,5	G1½	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) H = Graphite/Ceramic/FPM HS = Silicon carbide/Silicon carbide/FPM
Motor support	EN AB-AISi11Cu2(Fe) (microcasted aluminium)

## Options



### Mechanical seal

Page 457 - See all the available mechanical seal versions

## Technical data

Max. working pressure	10 bar
Max. temperature of the liquid (clear water)	-15°C ÷ +85°C for std, H, HS versions -15°C ÷ +110°C (TE version for high temperature)
Poles	2
Insulation class	F
Protection degree	IP55
Voltage	Single phase 1~230V ±10% Three phase 3~230/400V ±10%

Permanent split capacitor built in overload motor protector with automatic reset. The three phase version does not have an internal motor protector, therefore overload protection must be provided by the user.

\* **ATTENTION:** Approximate temperature range referred to the limits of mechanical seal materials. For applications with special fluid, different from standard limits indicated in the specific series, please contact our Technical Customer Service.

## Accessories



### Tanks

Page 444 - 8/10 bar 5/10 litres tanks



### Floats

Page 443 - Key floats with counterweight



### Pressure switches

Page 443 - 1,3÷12 bar pressure switches



### Control systems

Page 431 - **Presscomfort**

Pressure regulator

Page 432 - **Servopress**

Pressure regulator

Page 430 - **E-power**

Variable speed control systems

Page 426 - **E-SPD**

Variable speed control systems

Page 428 - **E-drive**

Variable speed control systems

Page 424 - **Control panels**

SMART EVO 1-2



### Insulation casing

Page 446 - Insulation casing for MATRIX

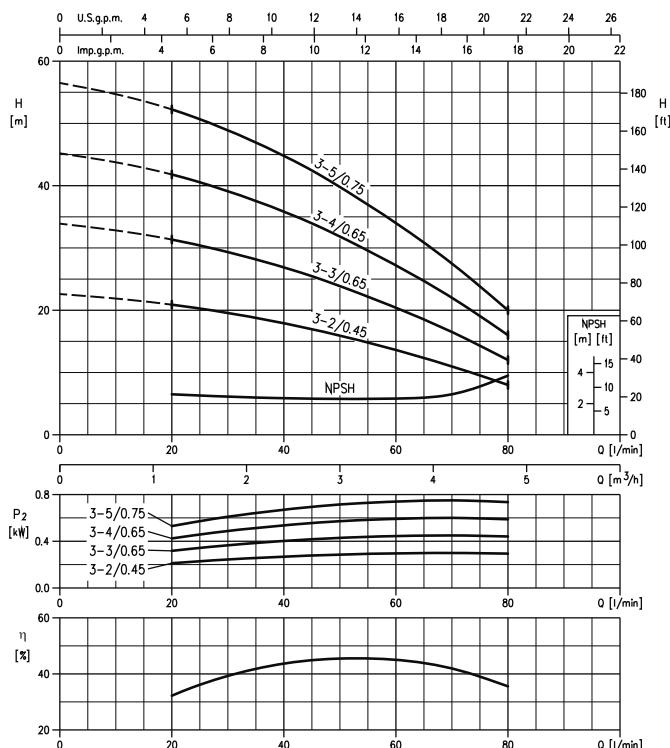
# MATRIX

Horizontal multistage centrifugal pumps in AISI 304 stainless steel

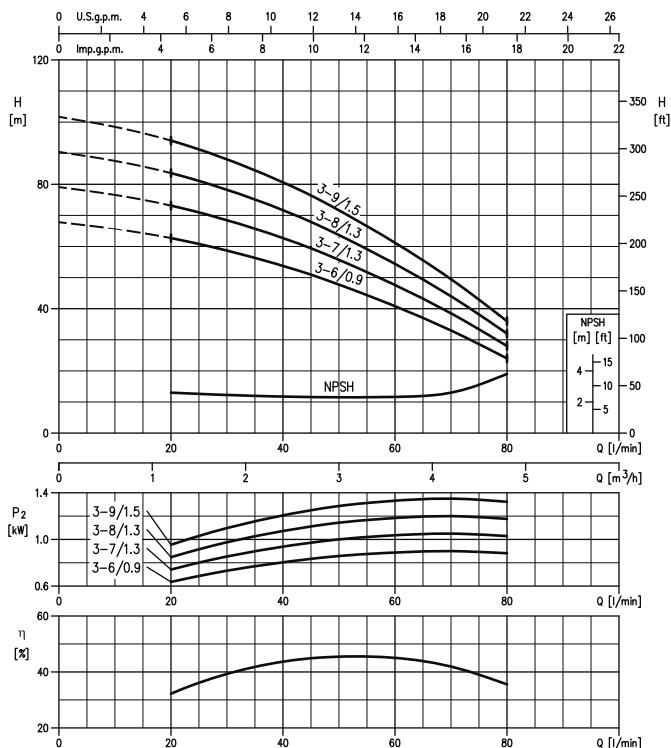


MATRIX

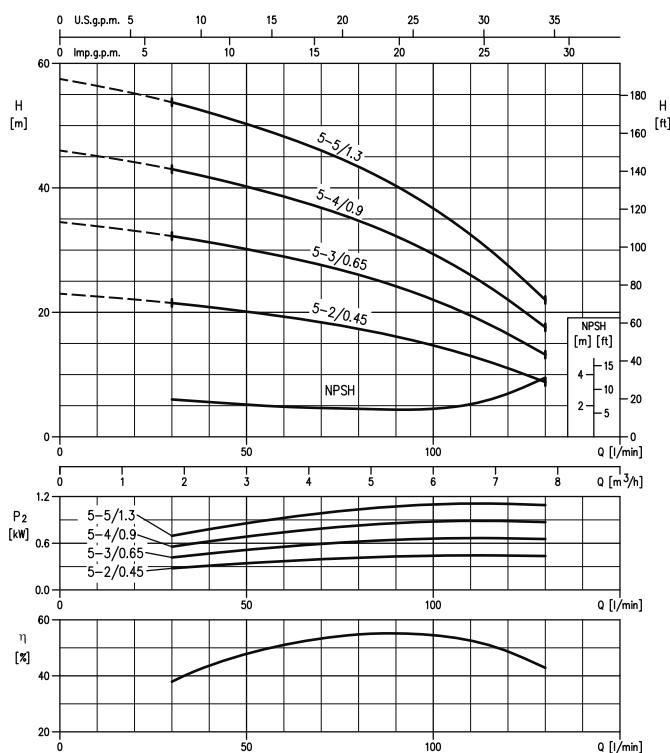
## MATRIX 3



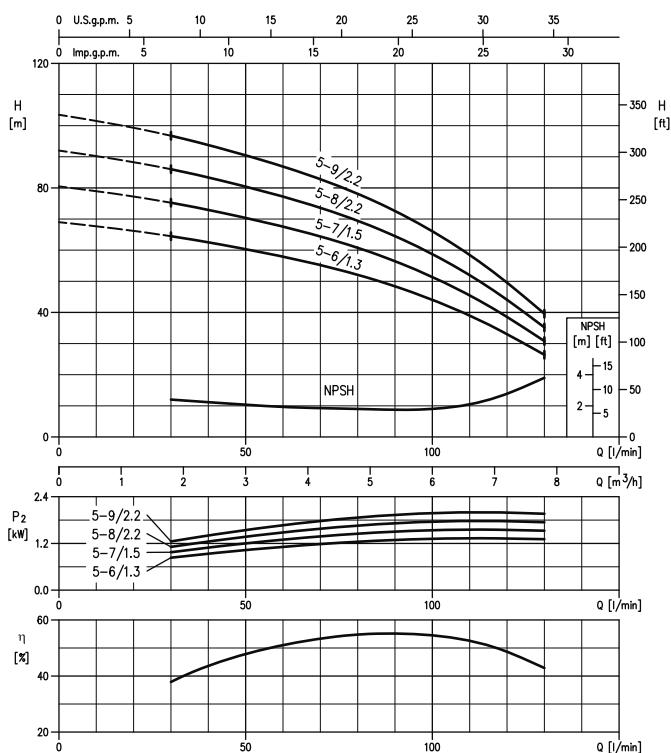
## MATRIX 3



## MATRIX 5



## MATRIX 5



# MATRIX

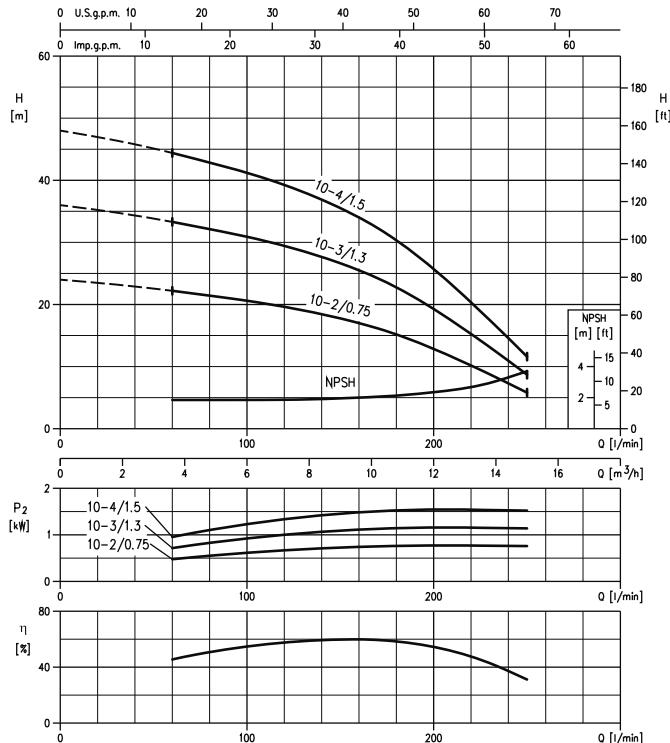
Horizontal multistage centrifugal pumps in AISI 304 stainless steel



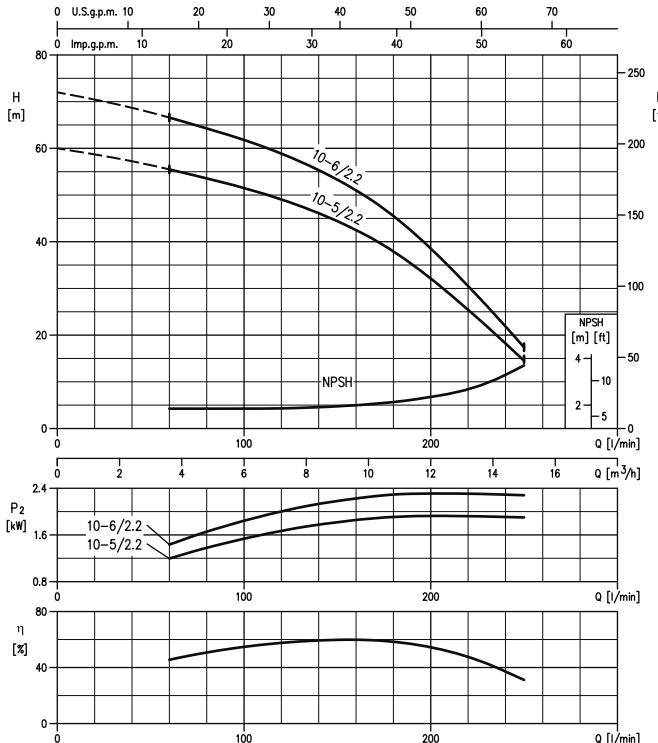
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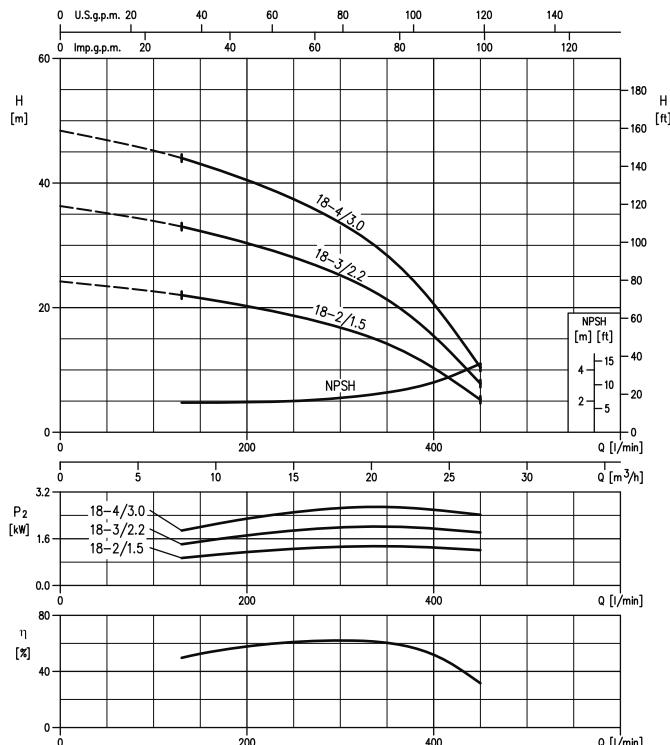
## MATRIX 10



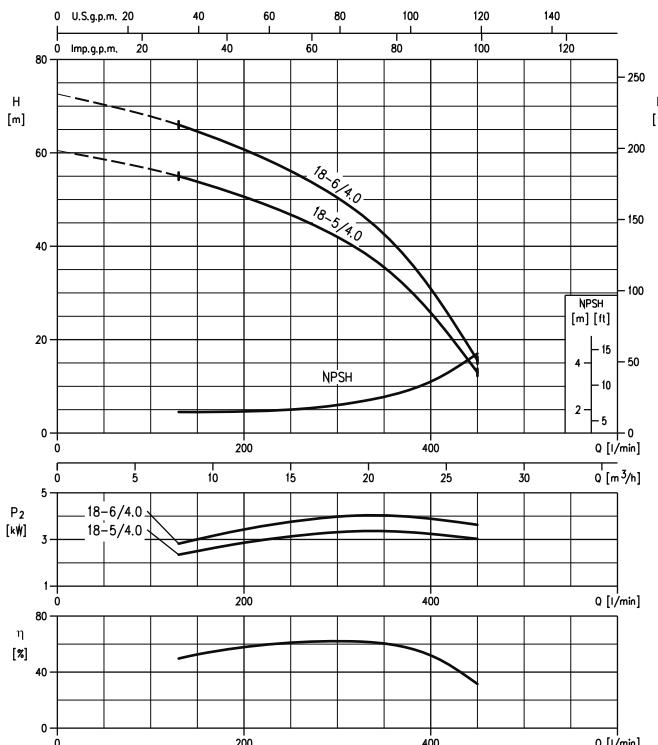
## MATRIX 10



## MATRIX 18



## MATRIX 18



# MATRIX

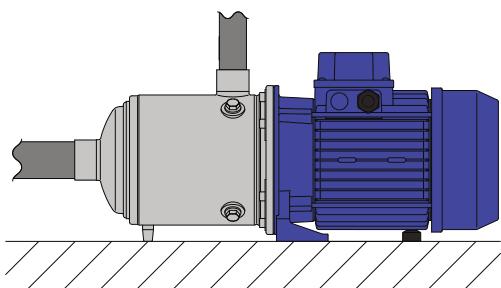


Horizontal multistage centrifugal pumps in AISI 304 stainless steel

## Identification code

<b>MATRIX</b>	<b>H</b>	<b>3</b>	-	<b>9</b>	<b>T</b>	/	<b>1.5</b>	<b>M</b>				
									Single phase			
									Motor power in [kW]	0.45	0.65	0.75
										0.9	1.3	1.5
										2.2	3.0	4.0
									T : Threaded pipe connection			
									N° of impellers	2	3	4
									m³/h at max. efficiency	5	6	7
									Optional mechanical seal	10	18	8
									Model	H	HS	9
										VAEGG		
										Q1AEGG		
										U3Q1EGG		

## Installation



MATRIX centrifugal pumps, thanks to their reduced dimensions, result easy to install also in 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 446

# MATRIX

Horizontal multistage centrifugal pumps in AISI 304 stainless steel



Model	Code	HP	kW	Q=Flow rate									Abs. Curr. [A] 230V	DNA	DNM	2 Poles	
				I/min	0	20	30	45	60	80	100	130					
				m³/h	0	1,2	1,8	2,7	3,6	4,8	6	7,8				H=Total head [m]	
MATRIX 3-2T/0,45M	2470320000	0,6	0,45		22,6	20,9	19,6	17,0	13,6	8,0	-	-	3,2	1"	1"	8,5	
MATRIX 3-3T/0,65M	2470330000	0,9	0,65		33,9	31,4	29,3	25,5	20,4	12,0	-	-	4,5	1"	1"	9,9	
MATRIX 3-4T/0,65M	2470340000	0,9	0,65		45,0	42,0	39,1	34,0	27,2	16,0	-	-	4,5	1"	1"	10,6	
MATRIX 3-5T/0,75M	2470350000	1	0,75		56,5	52,5	49,0	42,5	34,0	20,0	-	-	5,4	1"	1"	12,5	
MATRIX 3-6T/0,9M	2470360000	1,2	0,9		68,0	62,5	58,5	51,0	41,0	24,0	-	-	5,7	1"	1"	13,7	
MATRIX/A 3-7T/1,3M	2470370000A	1,8	1,3		79,0	73,0	68,5	59,5	47,5	28,0	-	-	7,8	1"	1"	16,3	
MATRIX/A 3-8T/1,3M	2470380000A	1,8	1,3		90,5	83,5	78,0	68,0	54,5	32,0	-	-	7,8	1"	1"	16,3	
MATRIX/A 3-9T/1,5M	2470390000A	2	1,5		102,0	94,0	88,0	76,5	61,0	36,0	-	-	8,7	1"	1"	18,3	
MATRIX 5-2T/0,45M	2470520000	0,6	0,45		23,0	-	21,5	20,5	19,3	17,4	14,7	8,8	3,2	1½"	1"	8,5	
MATRIX 5-3T/0,65M	2470530000	0,9	0,65		34,5	-	32,3	30,7	29,0	26,0	22,0	13,2	4,5	1½"	1"	9,9	
MATRIX 5-4T/0,9M	2470540000	1,2	0,9		46,0	-	43,0	41,0	38,6	34,7	29,4	17,6	5,7	1½"	1"	12,2	
MATRIX/A 5-5T/1,3M	2470550000A	1,8	1,3		57,5	-	54,0	51,0	48,5	43,5	36,7	22,0	7,8	1½"	1"	15,8	
MATRIX/A 5-6T/1,3M	2470560000A	1,8	1,3		69,0	-	64,5	61,5	58,0	52,0	44,0	26,4	7,8	1½"	1"	15,2	
MATRIX/A 5-7T/1,5M	2470570000A	2	1,5		80,5	-	75,5	72,0	67,5	61,0	51,5	30,8	8,7	1½"	1"	18,3	
MATRIX 5-8T/2,2M	2470580000	3	2,2		92,0	-	86,0	82,0	77,0	69,5	58,5	35,2	13	1¼"	1"	22,3	
MATRIX 5-9T/2,2M	2470590000	3	2,2		104,0	-	97,0	92,0	87,0	78,0	66,0	39,6	13	1½"	1"	23,3	

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

"TE" version for high temperature (up to 110°C) is available, please contact our sales network.

Model	Code	HP	kW	Q=Flow rate										Abs. Curr. [A] 230V	DNA	DNM	2 Poles	
				I/min	0	60	80	100	130	160	200	250	350					
				m³/h	0	3,6	4,8	6	7,8	9,6	12	15	21	27			H=Total head [m]	
MATRIX 10-2T/0,75M	2471020000	1	0,75		24,0	22,2	21,4	20,6	19,1	17,0	12,8	5,8	-	-	5,4	1½"	1¼"	11,3
MATRIX/A 10-3T/1,3M	2471030000A	1,8	1,3		36,0	33,3	32,1	30,9	28,6	25,5	19,3	8,7	-	-	7,8	1½"	1¼"	14,3
MATRIX/A 10-4T/1,5M	2471040000A	2	1,5		48,0	44,5	43,0	41,0	38,1	34,0	25,7	11,6	-	-	8,7	1½"	1¼"	15,6
MATRIX 10-5T/2,2M	2471050000	3	2,2		60,0	55,5	53,5	51,5	47,5	42,5	32,1	14,5	-	-	13	1½"	1¼"	21,8
MATRIX 10-6T/2,2M	2471060000	3	2,2		72,0	66,5	64,5	62,0	57,0	51,0	38,5	17,4	-	-	13	1½"	1¼"	22,1
MATRIX/A 18-2T/1,5M	2471820000A	2	1,5		24,2	-	-	-	22,0	21,3	20,2	18,7	14,2	5,2	8,7	2"	1½"	14,5
MATRIX 18-3T/2,2M	2471830000	3	2,2		36,3	-	-	-	33,0	31,9	30,4	28,1	21,3	7,8	13	2"	1½"	20,7

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

"TE" version for high temperature (up to 110°C) is available, please contact our sales network.

# 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. [A]	DNA	DNM	Weight [kg]	
				I/min	0	20	30	45	60	80	100	130					
				m³/h	0	1,2	1,8	2,7	3,6	4,8	6	7,8					
H=Total head [m]																	
MATRIX 3-2T/0,45	2470320004	0,6	0,45		22,6	20,9	19,6	17,0	13,6	8,0	-	-	2,3	1,3	1"	1"	8,4
MATRIX 3-3T/0,65	2470330004	0,9	0,65		33,9	31,4	29,3	25,5	20,4	12,0	-	-	2,8	1,6	1"	1"	9,8
MATRIX 3-4T/0,65	2470340004	0,9	0,65		45,0	42,0	39,1	34,0	27,2	16,0	-	-	3,1	1,8	1"	1"	10,4
MATRIX/I 3-5T/0,75	2470350004I	1	0,75		56,5	52,5	49,0	42,5	34,0	20,0	-	-	3,0	1,7	1"	1"	12,4
MATRIX/I 3-6T/0,9	2470360004I	1,2	0,9		68,0	62,5	58,5	51,0	41,0	24,0	-	-	4,3	2,5	1"	1"	13,6
MATRIX/I 3-7T/1,3	2470370004I	1,8	1,3		79,0	73,0	68,5	59,5	47,5	28,0	-	-	5,8	3,3	1"	1"	17,9
MATRIX/I 3-8T/1,3	2470380004I	1,8	1,3		90,5	83,5	78,0	68,0	54,5	32,0	-	-	5,8	3,3	1"	1"	18,7
MATRIX/I 3-9T/1,5	2470390004I	2	1,5		102,0	94,0	88,0	76,5	61,0	36,0	-	-	6,6	3,8	1"	1"	20,9
MATRIX 5-2T/0,45	2470520004	0,6	0,45		23,0	-	21,5	20,5	19,3	17,4	14,7	8,8	2,3	1,3	1½	1"	8,4
MATRIX 5-3T/0,65	2470530004	0,9	0,65		34,5	-	32,3	30,7	29,0	26,0	22,0	13,2	3,1	1,8	1½	1"	9,8
MATRIX/I 5-4T/0,9	2470540004I	1,2	0,9		46,0	-	43,0	41,0	38,6	34,7	29,4	17,6	4,3	2,5	1½	1"	12,4
MATRIX/I 5-5T/1,3	2470550004I	1,8	1,3		57,5	-	54,0	51,0	48,5	43,5	36,7	22,0	5,8	3,3	1½	1"	16,7
MATRIX/I 5-6T/1,3	2470560004I	1,8	1,3		69,0	-	64,5	61,5	58,0	52,0	44,0	26,4	5,8	3,3	1½	1"	17,1
MATRIX/I 5-7T/1,5	2470570004I	2	1,5		80,5	-	75,5	72,0	67,5	61,0	51,5	30,8	6,6	3,8	1½	1"	19,6
MATRIX/I 5-8T/2,2	2470580004I	3	2,2		92,0	-	86,0	82,0	77,0	69,5	58,5	35,2	8,2	4,7	1½	1"	19,6
MATRIX/I 5-9T/2,2	2470590004I	3	2,2		104,0	-	97,0	92,0	87,0	78,0	66,0	39,6	8,2	4,7	1½	1"	19,7

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

"TE" version for high temperature (up to 110°C) is available, please contact our sales network.

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

Model	Code	HP	kW	Q=Flow rate										Abs. Curr. [A]	DNA	DNM	Weight [kg]		
				I/min	0	60	80	100	130	160	200	250	350						
				m³/h	0	3,6	4,8	6	7,8	9,6	12	15	21						
H=Total head [m]																			
MATRIX/I 10-2T/0,75	2471020004I	1	0,75		24,0	22,2	21,4	20,6	19,1	17,0	12,8	5,8	-	-	3,0	1,7	1½	1½	11,2
MATRIX/I 10-3T/1,3	2471030004I	1,8	1,3		36,0	33,3	32,1	30,9	28,6	25,5	19,3	8,7	-	-	5,8	3,3	1½	1½	14,5
MATRIX/I 10-4T/1,5	2471040004I	2	1,5		48,0	44,5	43,0	41,0	38,1	34,0	25,7	11,6	-	-	6,6	3,8	1½	1¼	18,2
MATRIX/I 10-5T/2,2	2471050004I	3	2,2		60,0	55,5	53,5	51,5	47,5	42,5	32,1	14,5	-	-	8,2	4,7	1½	1¼	18,8
MATRIX/I 10-6T/2,2	2471060004I	3	2,2		72,0	66,5	64,5	62,0	57,0	51,0	38,5	17,4	-	-	8,2	4,7	1½	1¼	19,2
MATRIX/I 18-2T/1,5	2471820004I	2	1,5		24,2	-	-	-	22,0	21,3	20,2	18,7	14,2	5,2	6,6	3,8	2"	1½	17,1
MATRIX/I 18-3T/2,2	2471830004I	3	2,2		36,3	-	-	-	33,0	31,9	30,4	28,1	21,3	7,8	8,2	4,7	2"	1½	18,1
MATRIX/I 18-4T/3	2471840004I	4	3		48,5	-	-	-	44,0	42,5	40,5	37,4	28,4	10,4	11,1	6,4	2"	1½	23,8
MATRIX/I 18-5T/4	2471850004I	5,5	4		60,5	-	-	-	55,0	53,0	50,5	47,0	35,5	13,0	15,1	8,7	2"	1½	33,2
MATRIX/I 18-6T/4	2471860004I	5,5	4		72,5	-	-	-	66,0	64,0	60,5	56,0	42,5	15,6	15,1	8,7	2"	1½	34,2

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

"TE" version for high temperature (up to 110°C) is available, please contact our sales network.

# 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

### 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 1~230V ±10% Three phase 3~230/400V ±10%

Permanent split capacitor built in overload motor protector with automatic reset. The three phase version does not have an internal motor protector, therefore overload protection must be provided by the user.

### Materials

Pump body	Cast iron
Impeller	PPE+PS reinforced with fibreglass
Shaft	AISI 416 (EN 1.4005)
Mechanical seal	Ceramic/Carbon/NBR (standard)
Motor support	Cast iron

### Identification code

CVM	A	M	/	6	4
				Power HPx10	6
				Single phase	8
					10
					12
					15
					18
					20
					23
				Type	Model
				A	25
				B	

### Accessories



#### Tanks

Page 444 - 8/10 bar 5/10 litres tanks



#### Floats

Page 443 - Key floats with counterweight



#### Pressure switches

Page 443 - 1,4÷10,5 bar pressure switches



#### Control systems

Page 431 - Presscomfort

Pressure regulator

Page 432 - Servopress

Pressure regulator

Page 430 - E-power

Variable speed control systems

Page 426 - E-SPD

Variable speed control systems

Page 428 - E-drive

Variable speed control systems

Page 424 - Control panels

SMART EVO 1-2

# CVM

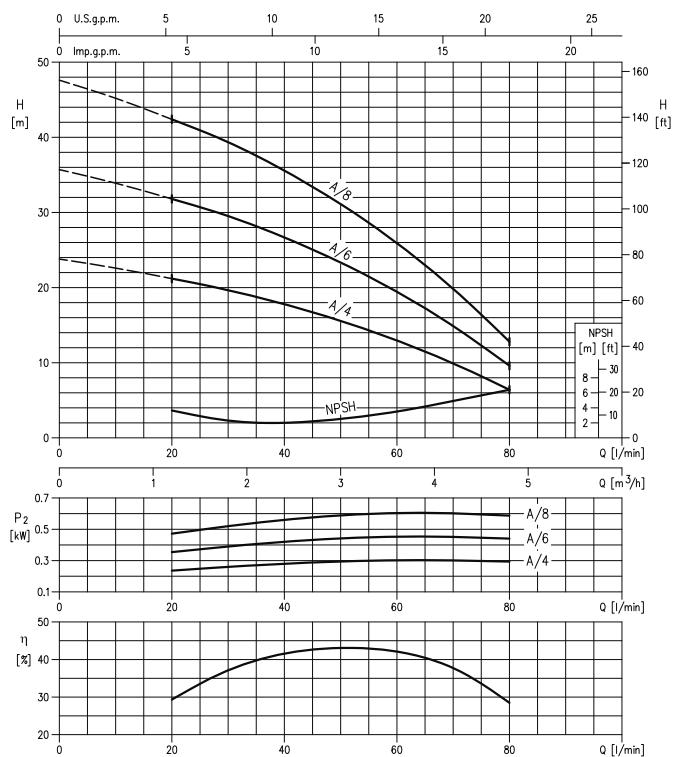
Vertical multistage centrifugal pumps in cast iron



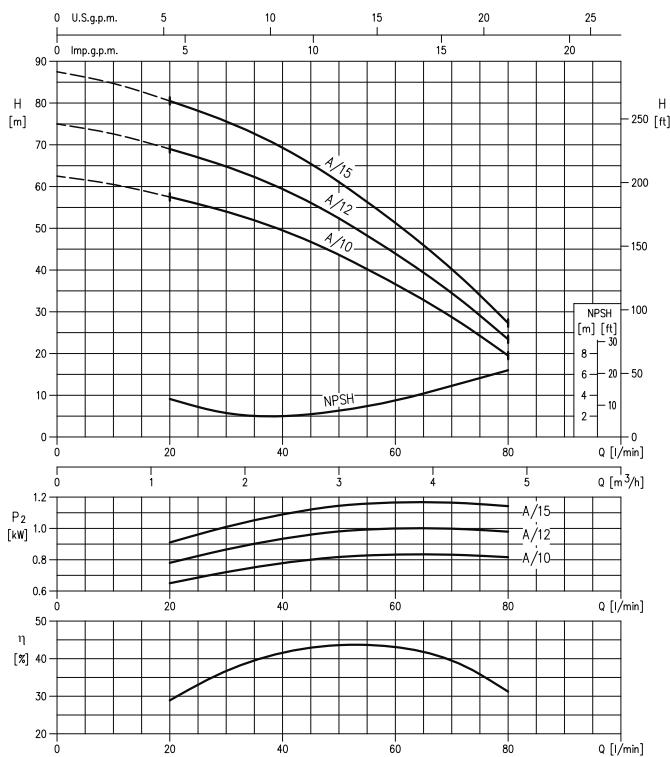
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TIFCO  
prodotto conforme  
G.M.T.Y4/2004



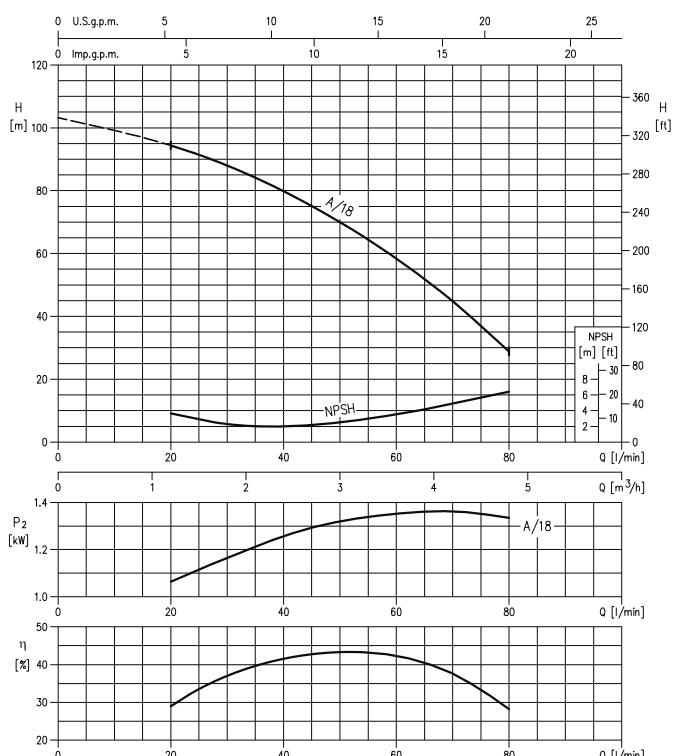
## CVM A 4-6-8



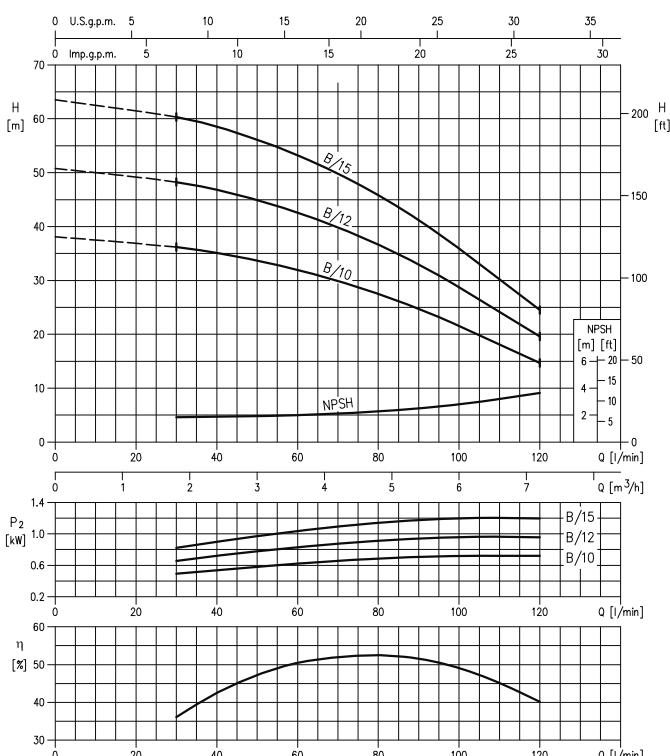
## CVM A 10-12-15



## CVM A 18



## CVM B 10-12-15



# CVM

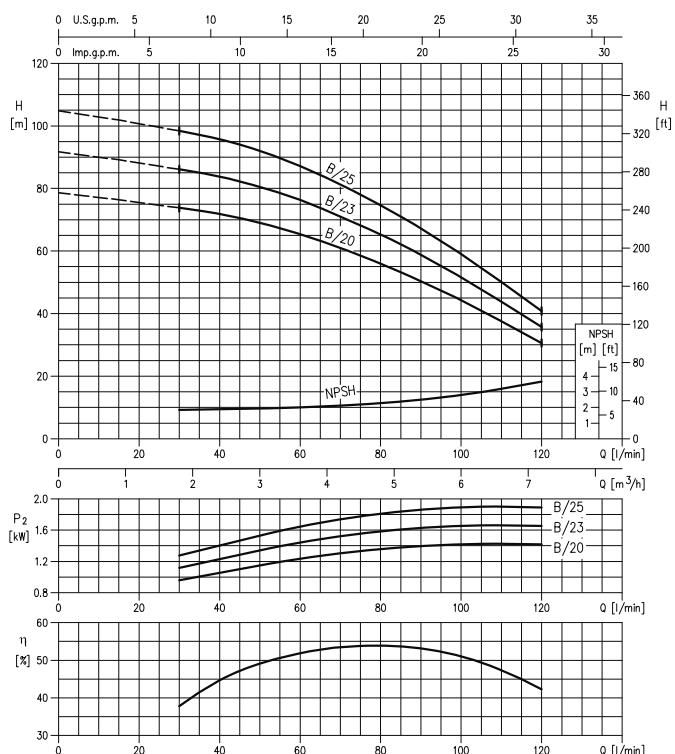
Vertical multistage centrifugal pumps in cast iron



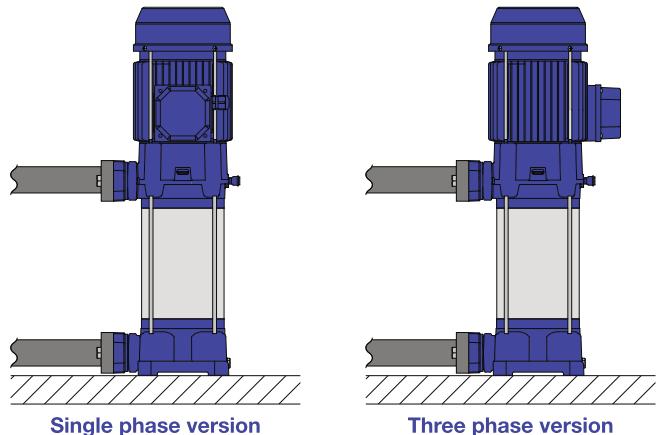
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prodotti conformi  
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## CVM B 20-23-25



## 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 in 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]
				I/min	0	20	30	40	50	60	80	100	120				
				m³/h	0	1,2	1,8	2,4	3	3,6	4,8	6	7,2				
H=Total head [m]																	
CVM AM/4	2170000000	0,4	0,3		23,8	21,2	19,7	17,8	15,6	13,0	6,4	-	-	2,6	G1½	G1½	11,0
CVM AM/6	2170010000	0,6	0,44		35,7	31,8	29,5	26,7	23,3	19,4	9,6	-	-	3,2	G1½	G1½	11,7
CVM AM/8	2170020000	0,8	0,6		47,5	42,5	39,4	35,6	31,1	25,9	12,8	-	-	4	G1½	G1½	12,7
CVM AM/10	2170030000	1	0,75		62,5	57,5	54,0	49,5	43,5	36,6	19,5	-	-	6	G1½	G1½	16,5
CVM AM/12	2170040000	1,2	0,9		75,0	69,0	65,0	59,5	52,5	44,0	23,4	-	-	6,5	G1½	G1½	17,5
CVM AM/15	2170050000	1,5	1,1		87,5	80,5	75,5	69,5	61,0	51,0	27,3	-	-	7,2	G1½	G1½	18,5
CVM/A AM/18	2170100000A	1,8	1,3		103,0	94,5	88,0	80,0	70,0	58,5	28,8	-	-	7,8	G1½	G1½	21,2
CVM BM/10	2170060000	1	0,75		38,1	-	36,2	35,1	33,7	32,0	27,5	21,6	14,7	5,6	G1½	G1½	15,9
CVM BM/12	2170070000	1,2	0,9		51,0	-	48,0	46,8	45,0	42,6	36,6	28,8	19,6	6,2	G1½	G1½	16,8
CVM BM/15	2170080000	1,5	1,1		63,5	-	60,5	58,5	56,2	53,3	45,8	36,0	24,5	7,4	G1½	G1½	18,0
CVM/A BM/20	2170090000A	2	1,5		78,5	-	74,0	72,0	69,0	65,5	56,0	44,5	30,6	8,3	G1½	G1½	21,3
CVM BM/23	2170110000	2,3	1,7		91,5	-	86,0	84,0	80,5	76,5	65,5	51,5	35,7	9,6	G1½	G1½	22,6

Pumps supplied with counterflanges

## Three phase 230/400V

2 Poles

Model	Code	HP	kW	Q=Flow rate										Abs. Curr. [A] 230V	DNA	DNM	Weight [kg]	
				I/min	0	20	30	40	50	60	80	100	120					
				m³/h	0	1,2	1,8	2,4	3	3,6	4,8	6	7,2					
H=Total head [m]																		
CVM/L A/4	2170000004L	0,4	0,3		23,8	21,2	19,7	17,8	15,6	13,0	6,4	-	-	1,9	1,1	G1½	G1½	11,0
CVM/L A/6	2170010004L	0,6	0,44		35,7	31,8	29,5	26,7	23,3	19,4	9,6	-	-	2,3	1,3	G1½	G1½	11,6
CVM/L A/8	2170020004L	0,8	0,6		47,5	42,5	39,4	35,6	31,1	25,9	12,8	-	-	2,8	1,6	G1½	G1½	12,6
CVM/L A/10	2170030004L	1	0,75		62,5	57,5	54,0	49,5	43,5	36,6	19,5	-	-	3	1,7	G1½	G1½	16,6
CVM/L A/12	2170040004L	1,2	0,9		75,0	69,0	65,0	59,5	52,5	44,0	23,4	-	-	4,3	2,5	G1½	G1½	18,4
CVM/L A/15	2170050004L	1,5	1,1		87,5	80,5	75,5	69,5	61,0	51,0	27,3	-	-	4,3	2,5	G1½	G1½	18,6
CVM/L A/18	2170100004L	1,8	1,3		103,0	94,5	88,0	80,0	70,0	58,5	28,8	-	-	5,8	3,3	G1½	G1½	22,7
CVM/L B/10	2170060004L	1	0,75		38,1	-	36,2	35,1	33,7	32,0	27,5	21,6	14,7	3	1,7	G1½	G1½	15,9
CVM/L B/12	2170070004L	1,2	0,9		51,0	-	48,0	46,8	45,0	42,6	36,6	28,8	19,6	4,3	2,5	G1½	G1½	17,5
CVM/L B/15	2170080004L	1,5	1,1		63,5	-	60,5	58,5	56,2	53,3	45,8	36,0	24,5	4,3	2,5	G1½	G1½	17,9
CVM/L B/20	2170090004L	2	1,5		78,5	-	74,0	72,0	69,0	65,5	56,0	44,5	30,6	6,6	3,8	G1½	G1½	23,7
CVM/L B/23	2170110004L	2,3	1,7		91,5	-	86,0	84,0	80,5	76,5	65,5	51,5	35,7	7,1	4,1	G1½	G1½	24,3
CVM/L B/25	2170120004L	2,5	1,85		105,0	-	98,5	96,0	92,0	87,0	74,5	59,0	41,0	8,2	4,7	G1½	G1½	24,6

Pumps supplied with counterflanges

# CVM with E-drive

## Electronic vertical multistage centrifugal pumps in cast iron

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

<b>Max. working pressure</b>	11 bar
<b>Max. temperature of the liquid (clear water)</b>	40°C
<b>MEI</b>	> 0,4
<b>Poles</b>	2
<b>Insulation class</b>	F
<b>Protection degree</b>	IP44
<b>Voltage</b>	Inverter Single phase 1~230V Inverter Three phase 3~400V

Permanent split capacitor built in overload motor protector with automatic reset. The three phase version does not have an internal motor protector, therefore overload protection must be provided by the user.

## Materials

<b>Pump body</b>	Cast iron
<b>Impeller</b>	PPE+PS reinforced with fibreglass
<b>Shaft</b>	AISI 416 (EN 1.4005)
<b>Mechanical seal</b>	Ceramic/Carbon/NBR (standard)
<b>Motor support</b>	Cast iron

## Accessories



### Tanks

Page 444 - 8/10 bar 5/10 litres tanks



### Floats

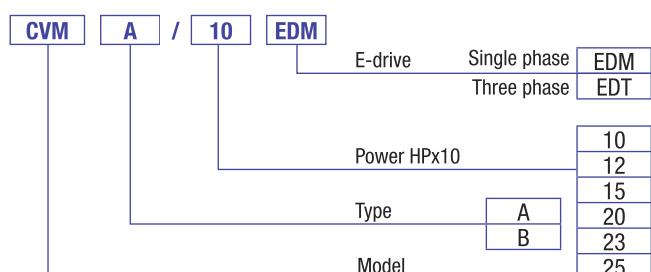
Page 443 - Key floats with counterweight



### Pressure switches

Page 443 - 1,4÷10,5 bar pressure switches

## Identification code



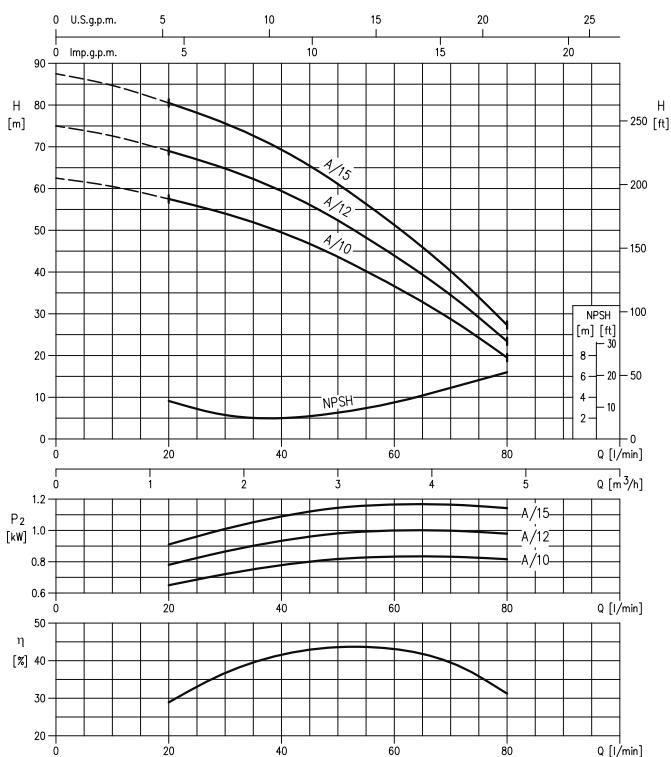
# CVM with E-drive

Electronic vertical multistage centrifugal pumps in cast iron

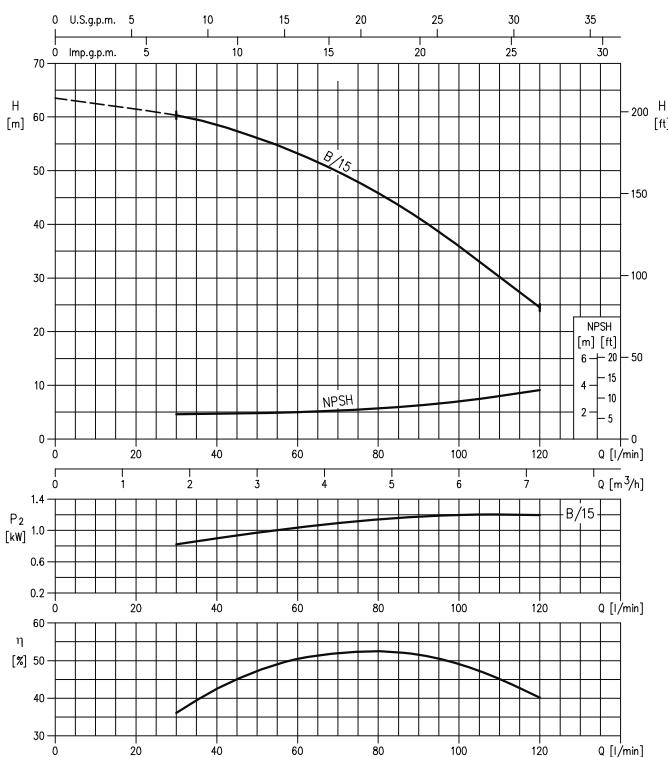


**CVM WITH E-drive**

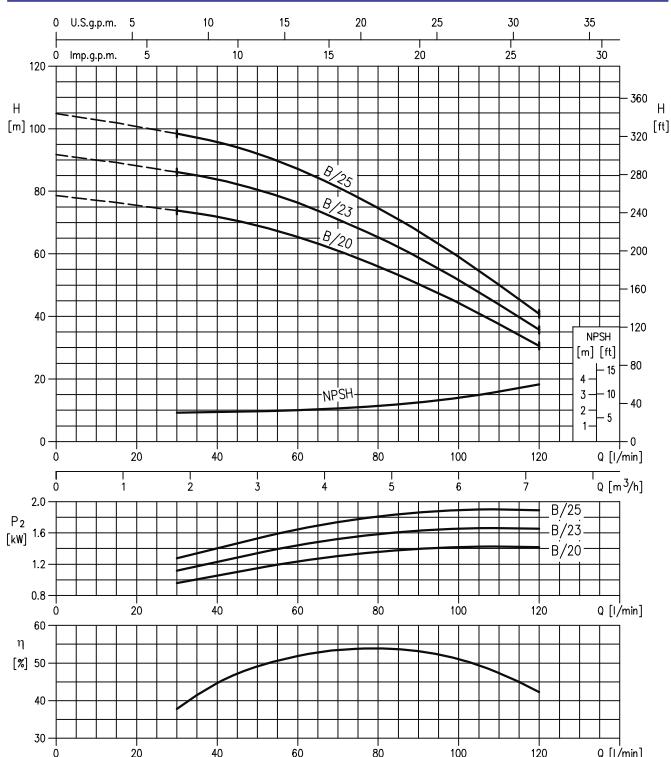
## CVM A 10-12-15



## CVM B 15



## CVM B 20-23-25



# CVM with E-drive

Electronic 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]
				I/min	0	20	30	40	50	60	80	100				
				m³/h	0	1,2	1,8	2,4	3	3,6	4,8	6				
H=Total head [m]																
CVM/I A/10 EDM	1547501101I	1	0,75		62,5	57,5	54,0	49,5	43,5	36,6	19,5	-	-	15	G1½	20,6
CVM/I A/12 EDM	1547501102I	1	0,9		75,0	69,0	65,0	59,5	52,5	44,0	23,4	-	-	15	G1½	22,4
CVM/I A/15 EDM	1547501103I	1,5	1,1		87,5	80,5	75,5	69,5	61,0	51,0	27,3	-	-	15	G1½	22,6
CVM/I B/15 EDM	1547501104I	1,5	1,1		63,5	-	60,5	58,5	56,2	53,3	45,8	36,0	24,5	15	G1½	21,9
CVM/I B/20 EDM	1547501105I	2	1,5		78,5	-	74,0	72,0	69,0	65,5	56,0	44,5	30,6	15	G1½	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]
				I/min	0	20	30	40	50	60	80	100				
				m³/h	0	1,2	1,8	2,4	3	3,6	4,8	6				
H=Total head [m]																
CVM/I A/10 EDT	1547501108I	1	0,75		62,5	57,5	54,0	49,5	43,5	36,6	19,5	-	-	10	G1½	21,1
CVM/I A/12 EDT	1547501109I	1	0,9		75,0	69,0	65,0	59,5	52,5	44,0	23,4	-	-	10	G1½	22,9
CVM/I A/15 EDT	1547501110I	1,5	1,1		87,5	80,5	75,5	69,5	61,0	51,0	27,3	-	-	10	G1½	23,1
CVM/I B/15 EDT	1547501111I	1,5	1,1		63,5	-	60,5	58,5	56,2	53,3	45,8	36,0	24,5	10	G1½	22,4
CVM/I B/20 EDT	1547501112I	2	1,5		78,5	-	74,0	72,0	69,0	65,5	56,0	44,5	30,6	10	G1½	27,3
CVM/I B/23 EDT	1547501106I	2,3	1,7		91,5	-	86,0	84,0	80,5	76,5	65,5	51,5	35,7	10	G1½	27,9
CVM/I B/25 EDT	1547501107I	2,5	1,85		105,0	-	98,5	96,0	92,0	87,0	74,5	59,0	41,0	10	G1½	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

## Materials

Pump body	AISI 304 (EN 1.4301)
Impeller	PPE+PS reinforced with fibreglass
Shaft	AISI 431 (EN 1.4057)
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.

## Technical data

Max. working pressure	10 bar
Max. temperature of the liquid (clear water)	40°C
Max. suction depth	6m
MEI	> 0,4
Poles	2
Insulation class	F
Protection degree	IP68
Voltage	Single phase 1~230V ±10% Three phase 3~230V - 400V ±10%

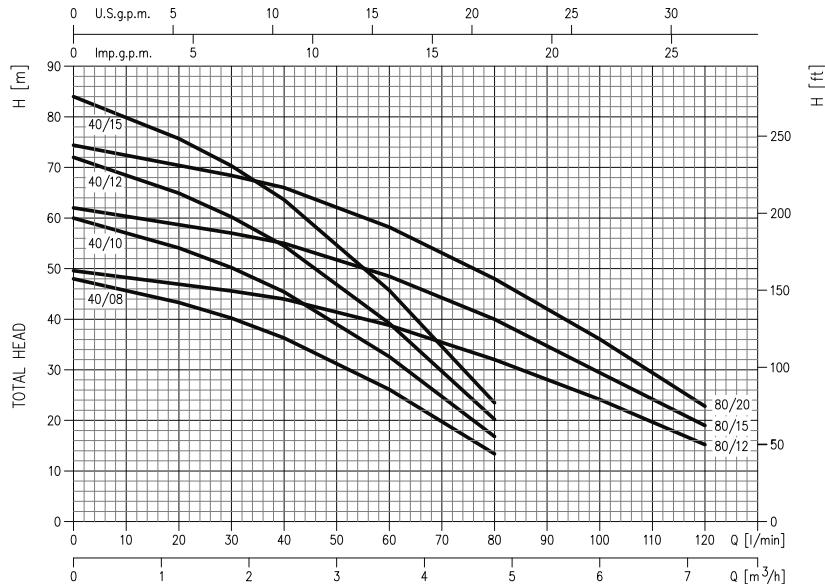
Permanent split capacitor built in overload motor protector with automatic reset. The three phase version does not have an internal motor protector, therefore overload protection must be provided by the user.

## Accessories

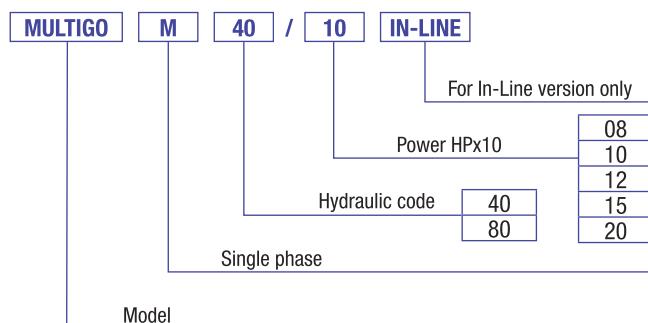
	<b>Tanks</b> Page 444 - 8/10 bar 5/10 litres tanks
	<b>Floats</b> Page 443 - Key floats with counterweight
	<b>Pressure switches</b> Page 443 - 1,4÷10,5 bar pressure switches
	<b>Control systems</b> Page 431 - <b>Presscomfort</b> Pressure regulator Page 432 - <b>Servopress</b> Pressure regulator Page 430 - <b>E-power</b> Variable speed control systems Page 426 - <b>E-SPD</b> Variable speed control systems Page 428 - <b>E-drive</b> Variable speed control systems Page 424 - <b>Control panels</b> SMART EVO 1-2

# MULTIGO

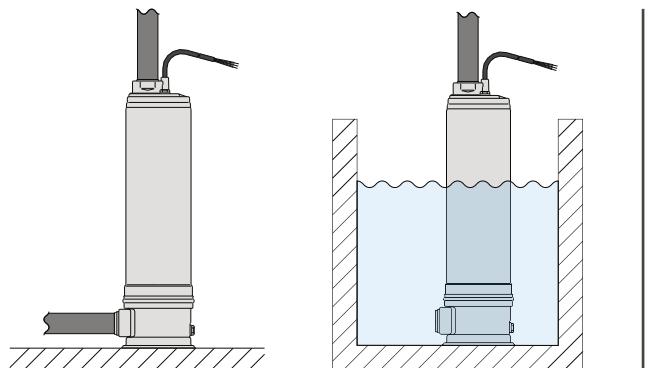
Vertical multistage centrifugal pumps in AISI 304



## Identification code



## 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



## Single phase 230V

2 Poles

Model	Code	HP	kW	Q=Flow rate									Abs. Curr. [A] 230V	DNA	DNM	Weight [kg]
				I/min	0	20	30	40	60	80	100	120				
				m³/h	0	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		48,0	43,3	40,2	36,3	26,1	13,4	-	-	4,3	G1½	G1½	15,3
MULTIGO M40/10	1564050021	1	0,75		60,0	54,1	50,2	45,4	32,6	16,8	-	-	5,7	G1½	G1½	16,5
MULTIGO M40/12	1564060021	1,2	0,9		72,0	64,9	60,2	54,5	39,2	20,2	-	-	6,8	G1½	G1½	17,7
MULTIGO M40/15	1564070021	1,5	1,1		84,0	75,7	70,3	63,6	45,7	23,5	-	-	7,3	G1½	G1½	18,8
MULTIGO M80/12	1578060021	1,2	0,9		49,6	-	45,6	44,0	38,8	32,0	23,2	15,2	6,4	G1½	G1½	17,0
MULTIGO M80/15	1578070021	1,5	1,1		62,0	-	57,0	55,0	48,5	40,0	28,0	19,0	7,5	G1½	G1½	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]
				I/min	0	20	30	40	60	80	100	120				
				m³/h	0	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		48,0	43,3	40,2	36,3	26,1	13,4	-	-	3,3	G1½	G1½	16,0
MULTIGO 40/10	1564050009	1	0,75		60,0	54,1	50,2	45,4	32,6	16,8	-	-	3,8	G1½	G1½	17,0
MULTIGO 40/12	1564060009	1,2	0,9		72,0	64,9	60,2	54,5	39,2	20,2	-	-	4,2	G1½	G1½	18,0
MULTIGO 40/15	1564070006	1,5	1,1		84,0	75,7	70,3	63,6	45,7	23,5	-	-	5,2	G1½	G1½	18,7
MULTIGO 80/12	1578060009	1,2	0,9		49,6	-	45,6	44,0	38,8	32,0	23,2	15,2	4	G1½	G1½	17,4
MULTIGO 80/15	1578070009	1,5	1,1		62,0	-	57,0	55,0	48,5	40,0	28,0	19,0	5,4	G1½	G1½	18,2
MULTIGO 80/20	1578080009	2	1,5		74,4	-	68,4	66,0	58,2	48,0	34,8	22,8	6,1	G1½	G1½	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]
				I/min	0	20	30	40	60	80	100	120				
				m³/h	0	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		48,0	43,3	40,2	36,3	26,1	13,4	-	-	1,9	G1½	G1½	16,0
MULTIGO 40/10	1564050004	1	0,75		60,0	54,1	50,2	45,4	32,6	16,8	-	-	2,2	G1½	G1½	17,0
MULTIGO 40/12	1564060004	1,2	0,9		72,0	64,9	60,2	54,5	39,2	20,2	-	-	2,4	G1½	G1½	18,0
MULTIGO 40/15	1564070004	1,5	1,1		84,0	75,7	70,3	63,6	45,7	23,5	-	-	3	G1½	G1½	18,7
MULTIGO 80/12	1578060004	1,2	0,9		49,6	-	45,6	44,0	38,8	32,0	23,2	15,2	2,3	G1½	G1½	17,4
MULTIGO 80/15	1578070004	1,5	1,1		62,0	-	57,0	55,0	48,5	40,0	28,0	19,0	3,1	G1½	G1½	18,2
MULTIGO 80/20	1578080004	2	1,5		74,4	-	68,4	66,0	58,2	48,0	34,8	22,8	3,5	G1½	G1½	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 316L, 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



## Innovative hydraulic solutions

Any motor, anywhere.

- **Commercial motors** can be fitted to all of the pump models without any modifications thanks to low pump axial thrust load
- **Long life of the motor bearing**
- **High pump efficiency** classified in MEI > 0.7 as the most efficient models
- **Patent Pending**

## Technical data

Nominal flow rate	1, 3, 5, 10, 15, 20, 32, 45, 64, 90 m <sup>3</sup> /h
Max working pressure	1.6, 2.5, 3.0, 3.5 MPa (16, 25, 30, 35 bar)
Liquid temperature range (clear water)	-30°C to 140°C
MEI	> 0,7
Poles	2
Insulation class	F for single phase version F (temperature rise class B) for three phase version
Protection degree	IP55 (up to 11kW), IP56 (above 15kW)
Voltage	Single phase 230V±10% Three phase 230/400V±10% (up to 4kW) 400/690V±10% (above 5.5kW)

**EVMSL is available.**

Please contact our sales network

## Accessories



### Counterflanges kit

Page 448 - Galvanized and AISI 316 counterflanges kit



### Control systems

Page 426 - **E-SPD**  
Variable speed control systems

Page 428 - **E-drive**  
Variable speed control systems

Page 424 - **Control panels**  
SMART EVO 1-2, DIRECTO 1-2,  
STARDELTA 1-2



### Connections

Page 448 - **Victaulic® coupling (V)**  
- **Victaulic® coupling (V) with stubs pipe**  
- **Clamp pipe stub for welding (C)**

# EVMS(L)(G)

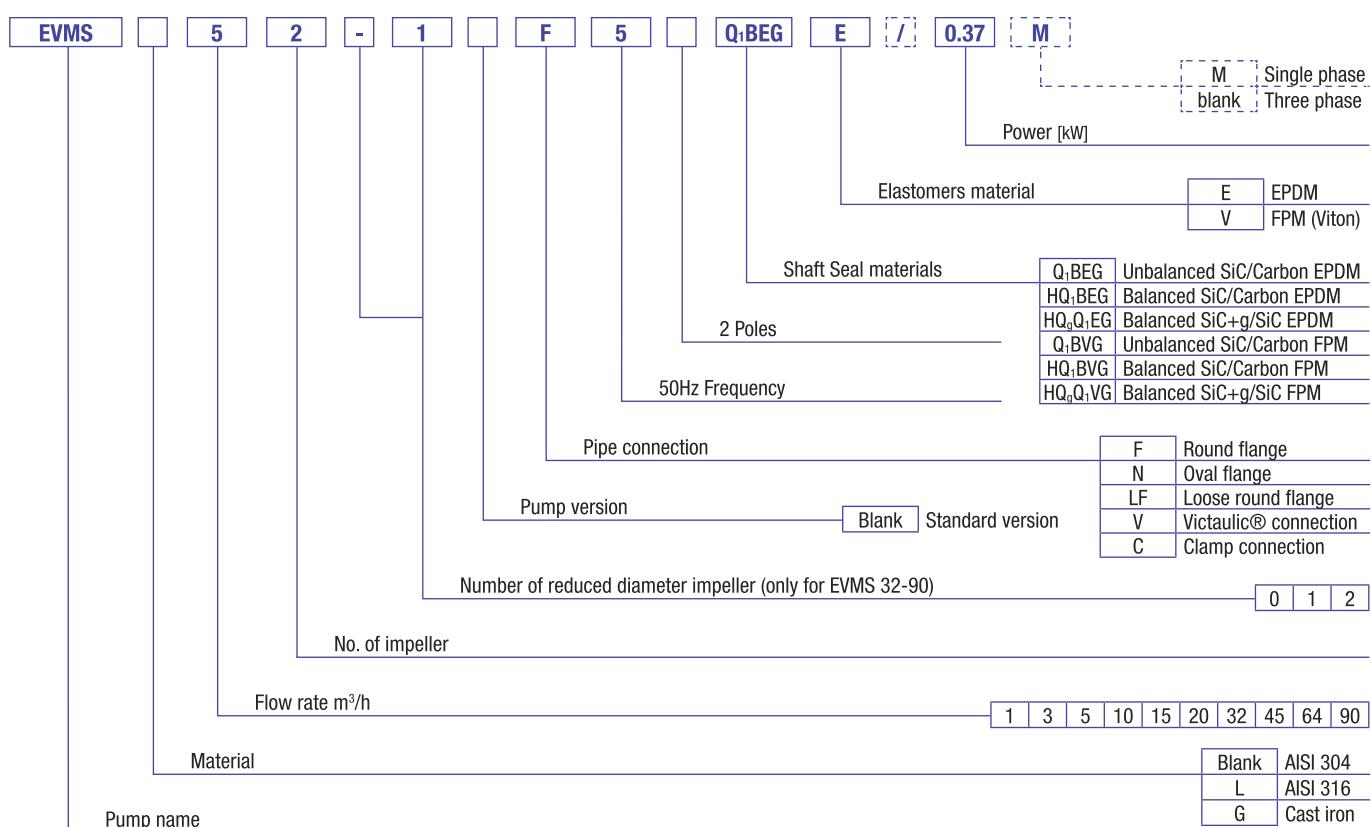
Vertical multistage pumps in AISI 304, AISI 316, cast iron



## Materials

Components	EVMSG	EVMS	EVMSL
Impeller	AISI 304 (EN 1.4301)	AISI 304 (EN 1.4301)	AISI 316L (EN 1.4404)
Outer casing	AISI 304 (EN 1.4301)	AISI 304 (EN 1.4301)	AISI 316L (EN 1.4404)
Shaft	AISI 304 (EN 1.4301) AISI 329A (EN 1.4462) depends on models	AISI 304 (EN 1.4301) AISI 329A (EN 1.4462) depends on models	AISI 316L (EN 1.4404) AISI 329A (EN 1.4462)
Mechanical seal		SiC/Carbon/EPDM or FPM SiC graphite/SiC/EPDM or FPM	
Tie rod		AISI 431 (EN 1.4057) (EN 1.4057)	
Motor bracket		Cast iron ENGJL-200 EN1561	
Bottom casing	Cast iron	AISI 304 (EN 1.4301) ASTM CF8 (EN 1.4308)	AISI 316L (EN 1.4404) ASTM CF8 (EN 1.4308)

## Identification code



# EVMS(L)(G)

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

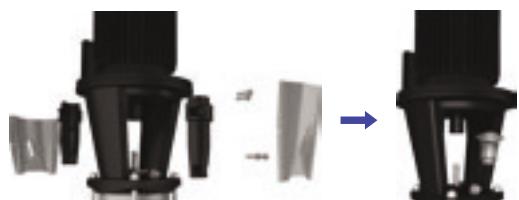
## Bottom casing

Material	Round flange DIN (incl. ANSI depending on models)	Loose Flange DIN (incl. ANSI depending on models)	Oval Flange	Victaulic®	Clamp
AISI304/ AISI316L					
ASTM CF8/ ASTM CF8M					
Cast Iron					

## Smart plug solutions

				A ventilation plug is integrated with one priming plug
Air ventilation plug	Water filling & sensor plug	Commercial sensor fitting	Measurements for suction and discharge pressure / drain	Two priming plugs are on both sides of motor brackets for EVMS32-90. A ventilation plug is integrated with one priming plug

## Easy maintenance



- The **cartridge shaft seal** enables the **plug in replacement** of the shaft seal without disassembling the motor bracket
- The **spacer coupling** allows easy maintenance without having to remove heavy motors over 5,5 kW.

## Shaft seal solutions



- Shaft seal material:**
  - B: Resin impregnated carbon graphite
  - Q: Sintered silicon carbide
  - Qg: Silicon carbide with carbon graphite
  - Carbon or graphite inclusions with silicon carbide can be used as **dry lubricant to reduce friction**.
- It's conforming to EN12756 (ex DIN 24960)

## EBARA standard motor solutions



- IE3 efficiency for both 50 and 60 Hz\* operation, according IEC 60034-30 standard.
- ETM motors are available from 0.75 up to 11 kW for both 50 and 60 Hz\*\*
- PTC sensors (thermistors) are standard from 1.5 kW upwards for motor protection at 150°C
- Unloosable screws and sealing are standard for terminal box fixing from 0.75 kW upwards
- Stable inverter mounting on fan covers made of pressed steel

\* IE3 for 60Hz is depending on motor size and voltage.

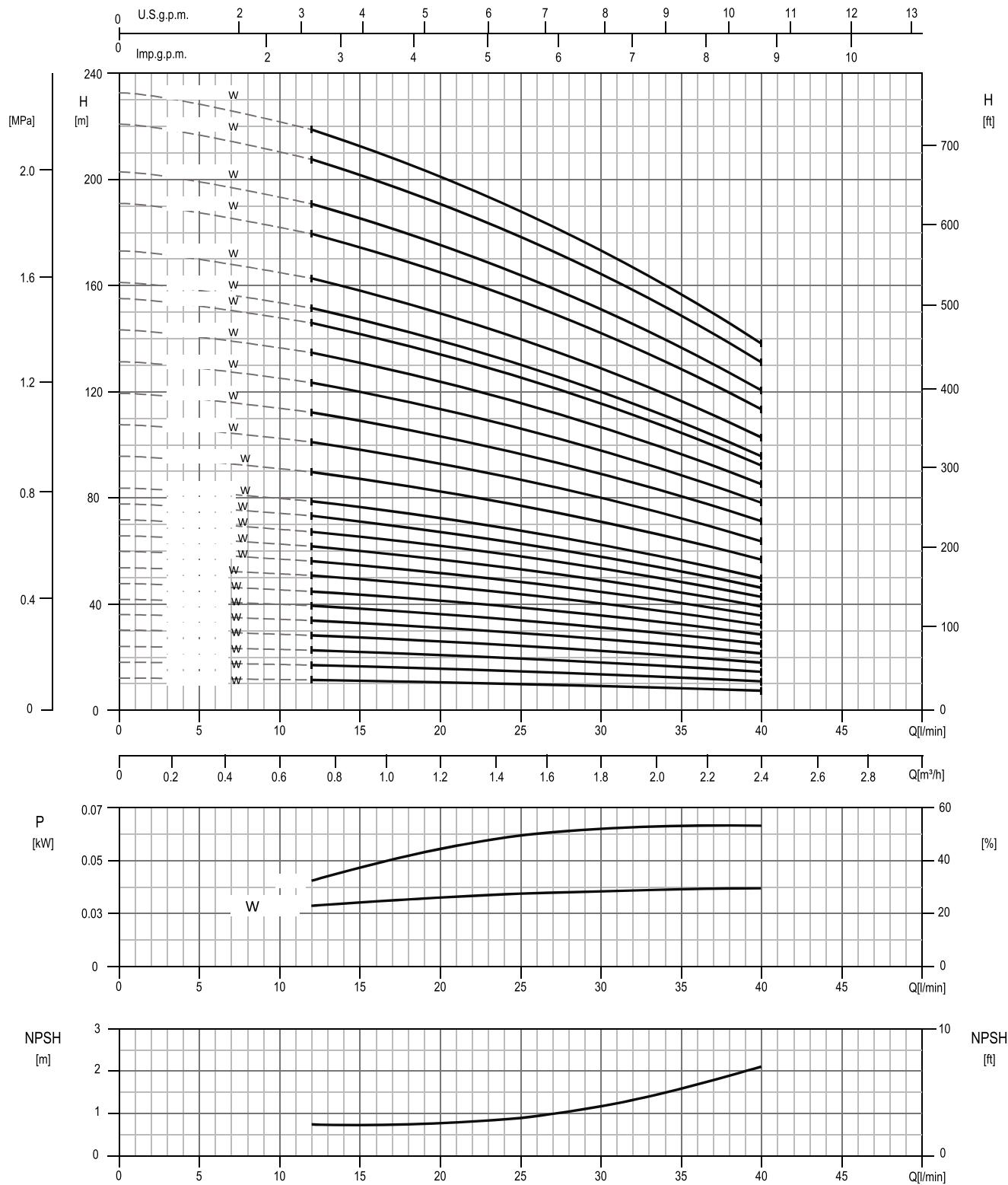
\*\* All other sizes including single phase motors are available with commercial IEC standard motors

# EVMS(L)(G)

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



## PERFORMANCE CURVES EVMS(.) 1

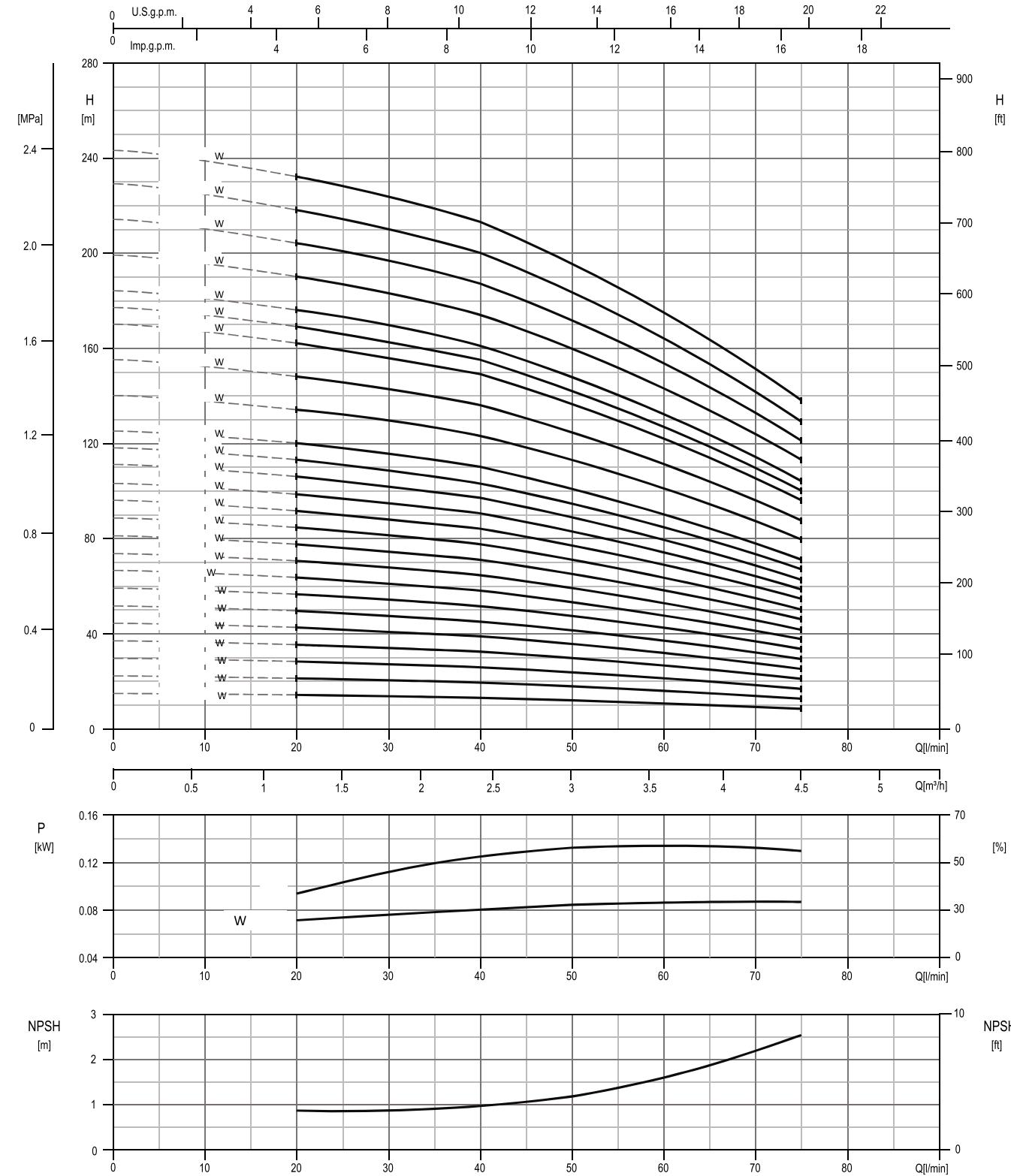


# EVMS(L)(G)

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



## PERFORMANCE CURVES EVMS(.) 3

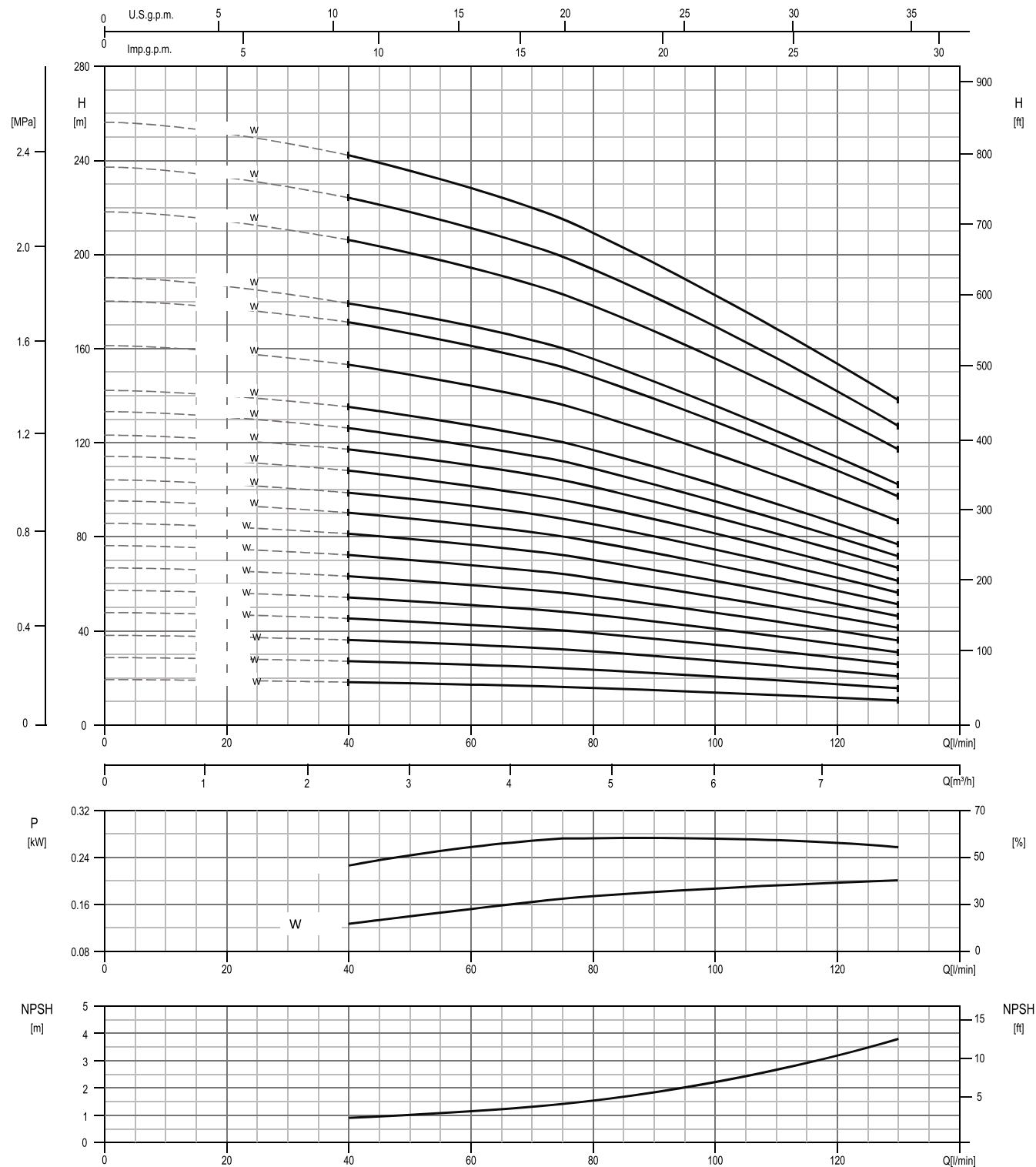


# EVMS(L)(G)

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



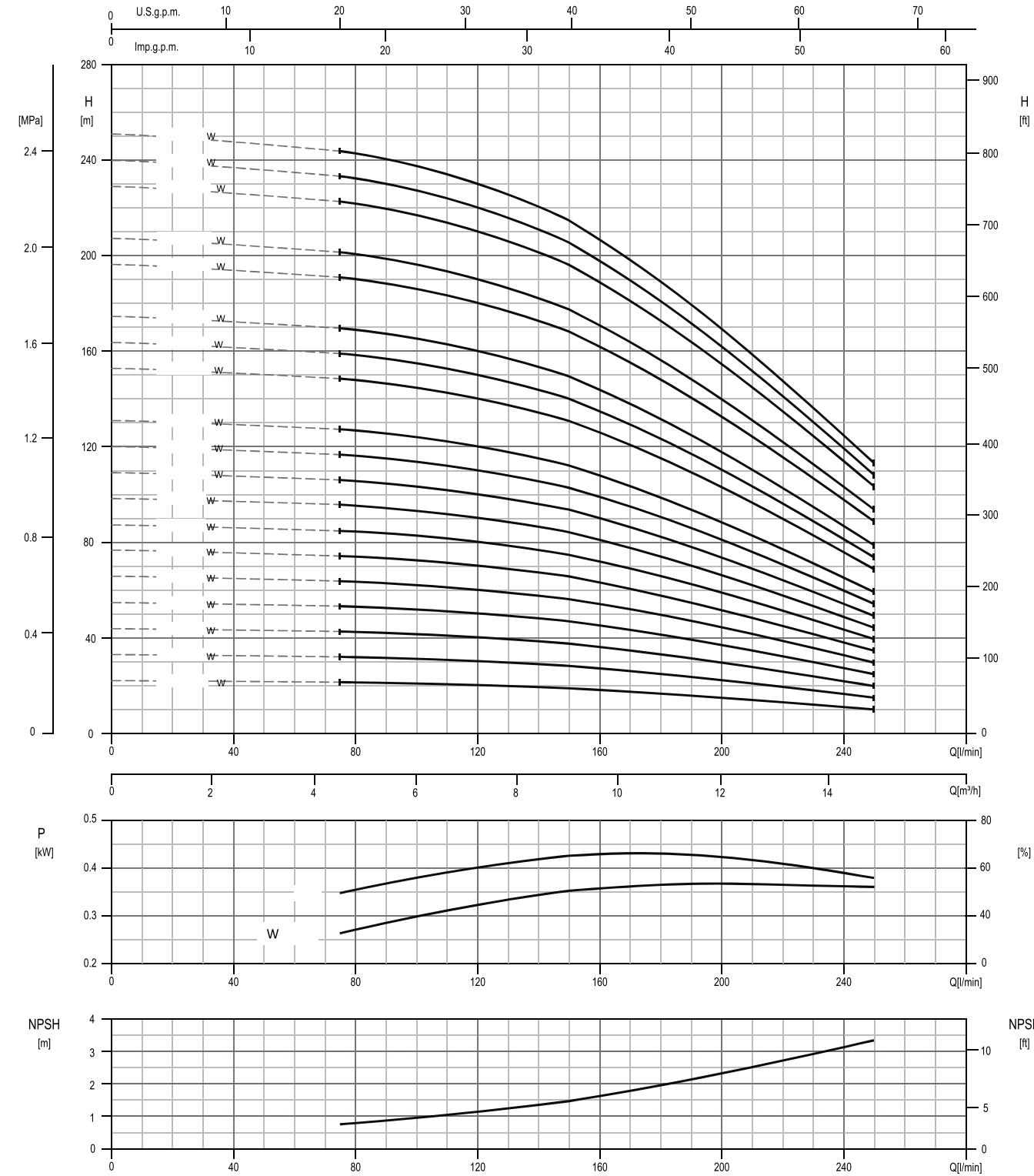
## PERFORMANCE CURVES EVMS(.) 5



# EVMS(L)(G)

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

## PERFORMANCE CURVES EVMS(.) 10

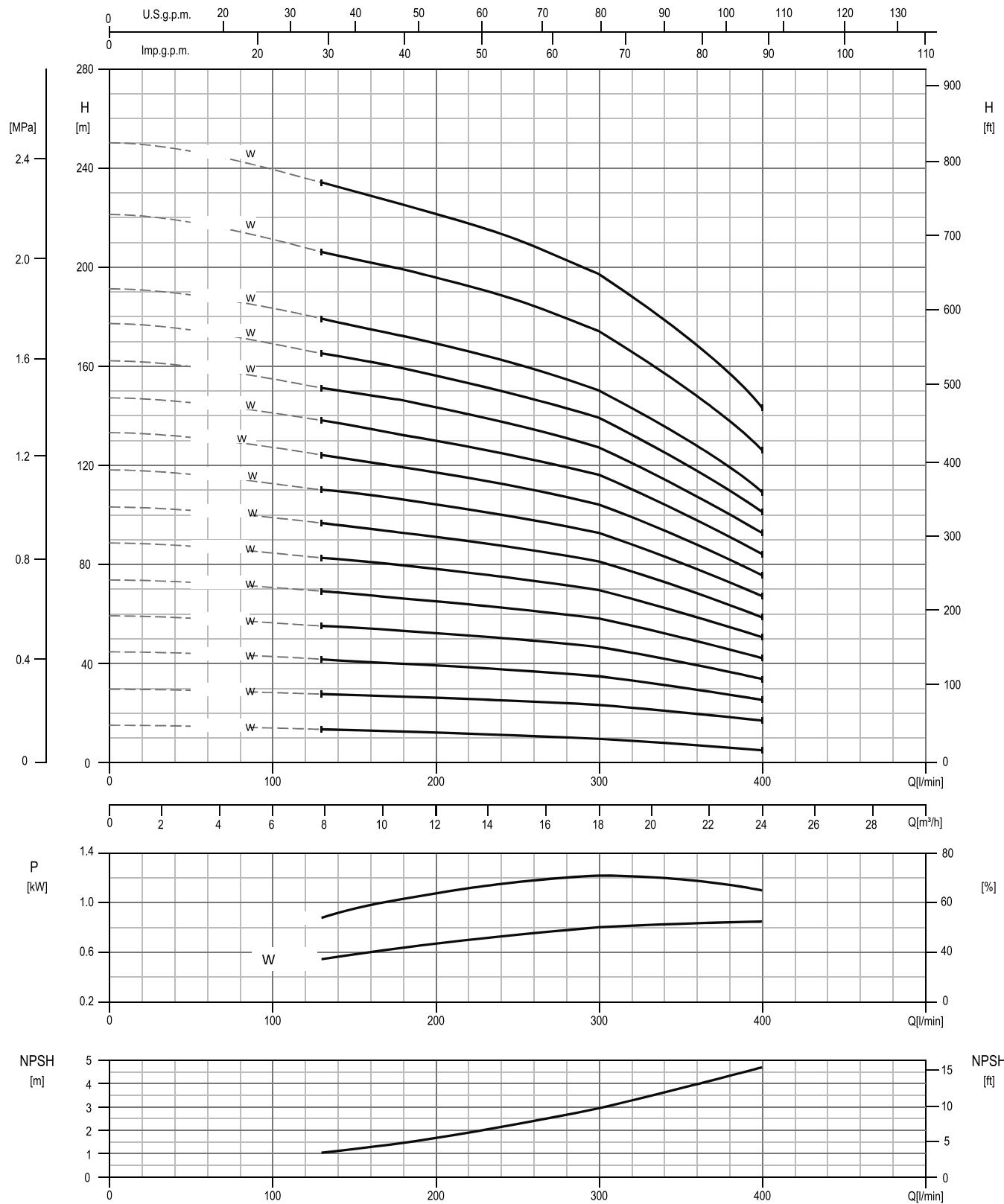


# EVMS(L)(G)

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



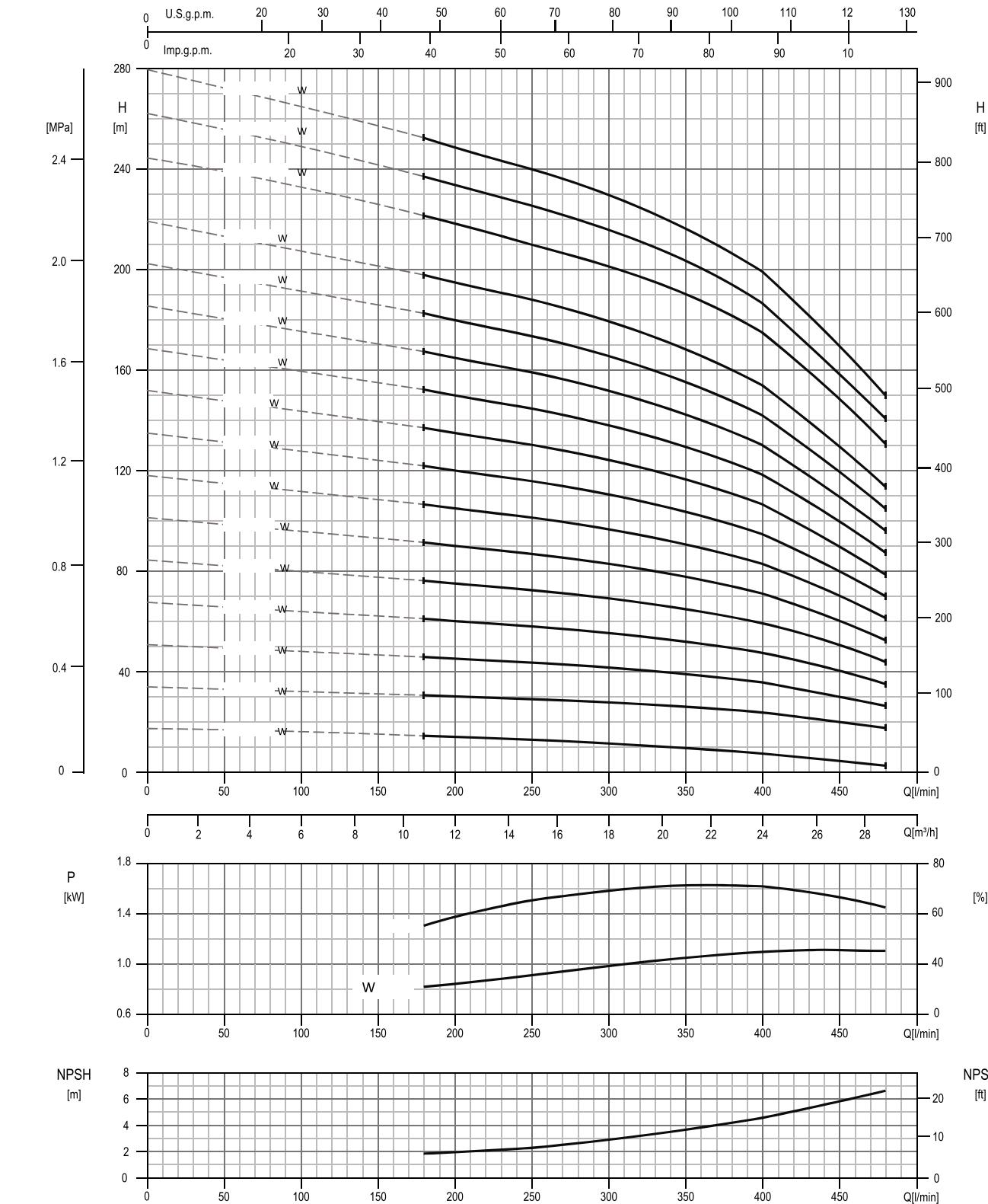
## PERFORMANCE CURVES EVMS(.) 15



# EVMS(L)(G)

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

## PERFORMANCE CURVES EVMS(.) 20

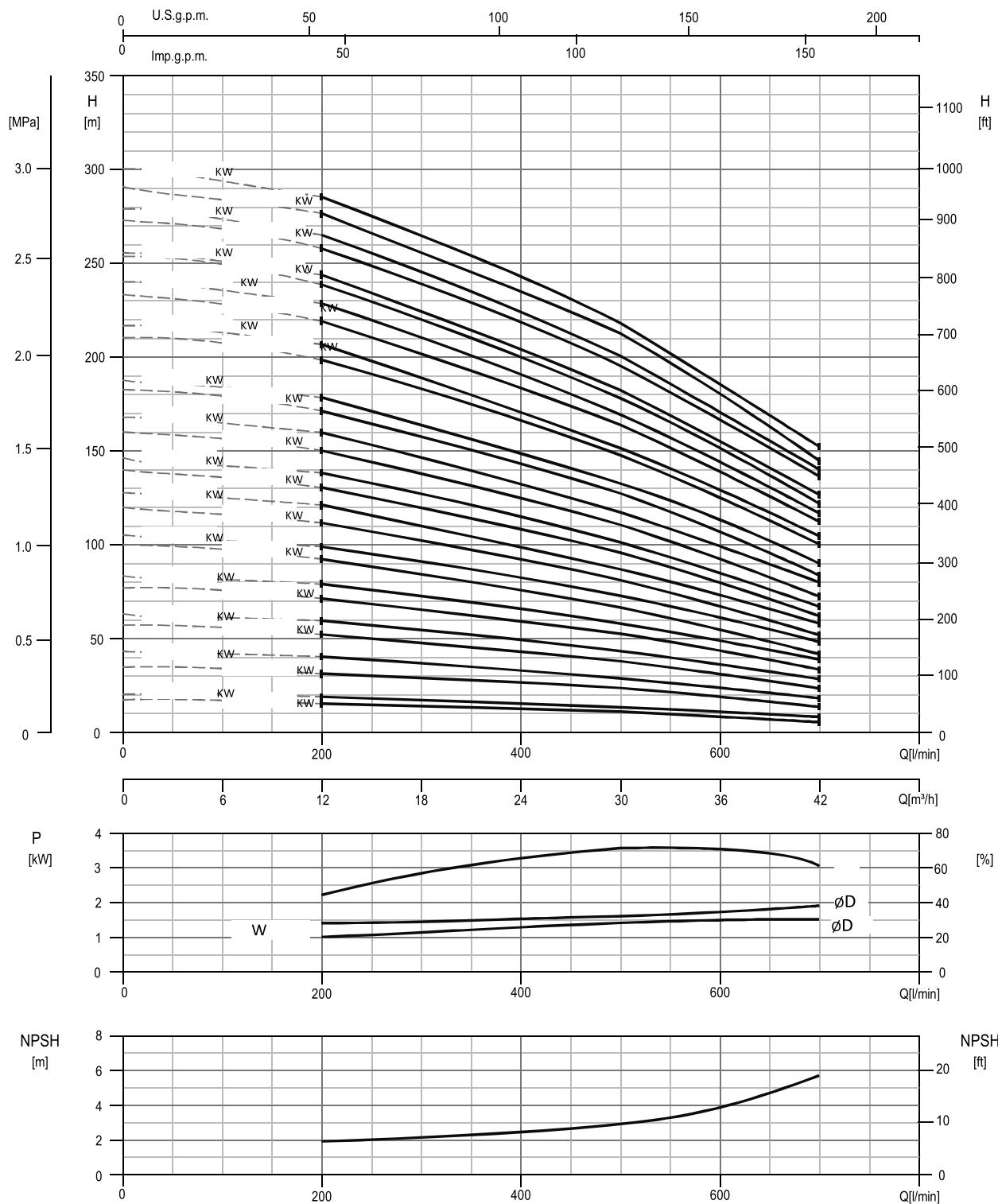


# EVMS(L)(G)

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



## PERFORMANCE CURVES EVMS(.) 32

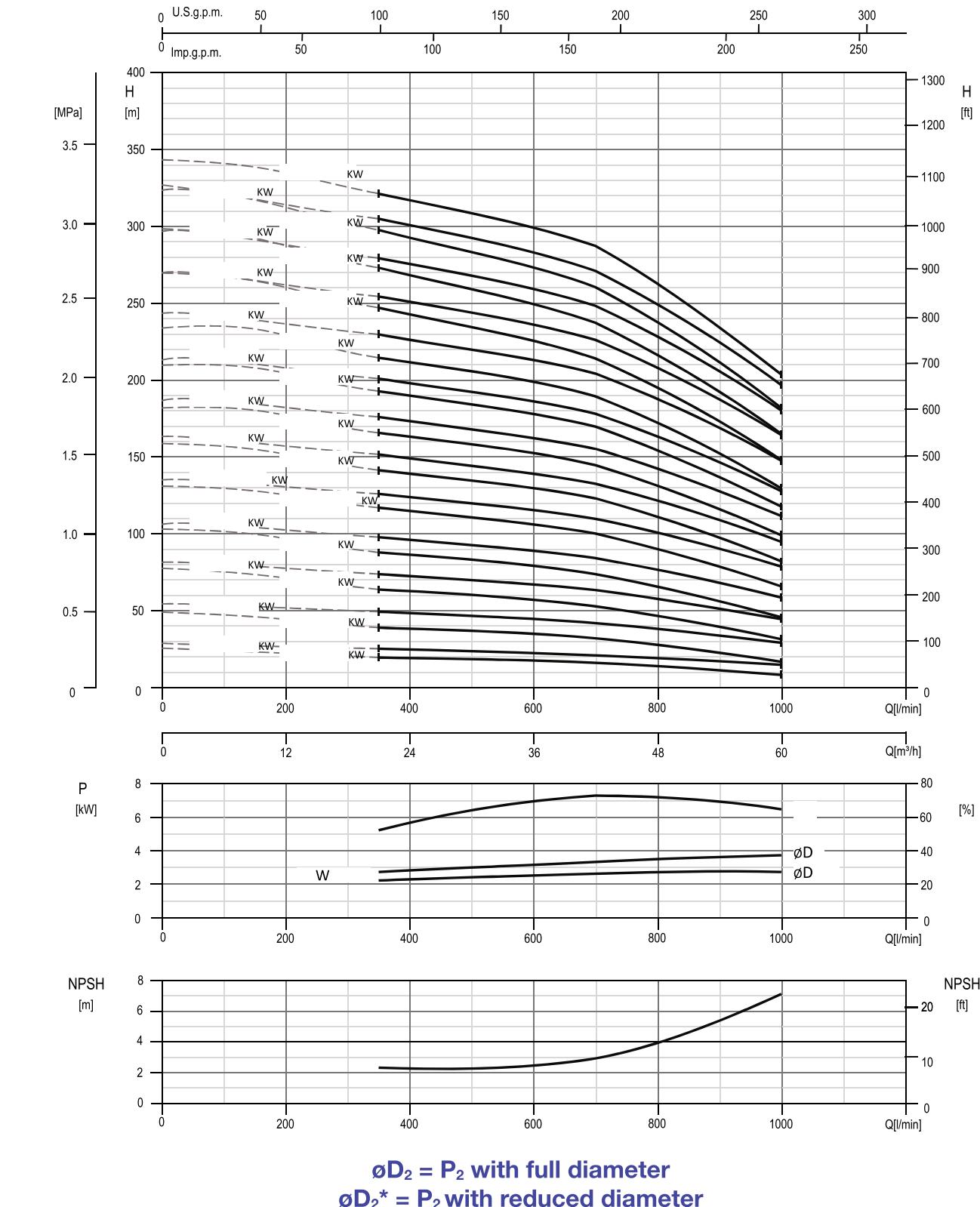


$\phi D_2 = P_2$  with full diameter  
 $\phi D_2^* = P_2$  with reduced diameter

# EVMS(L)(G)

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

## PERFORMANCE CURVES EVMS(.) 45

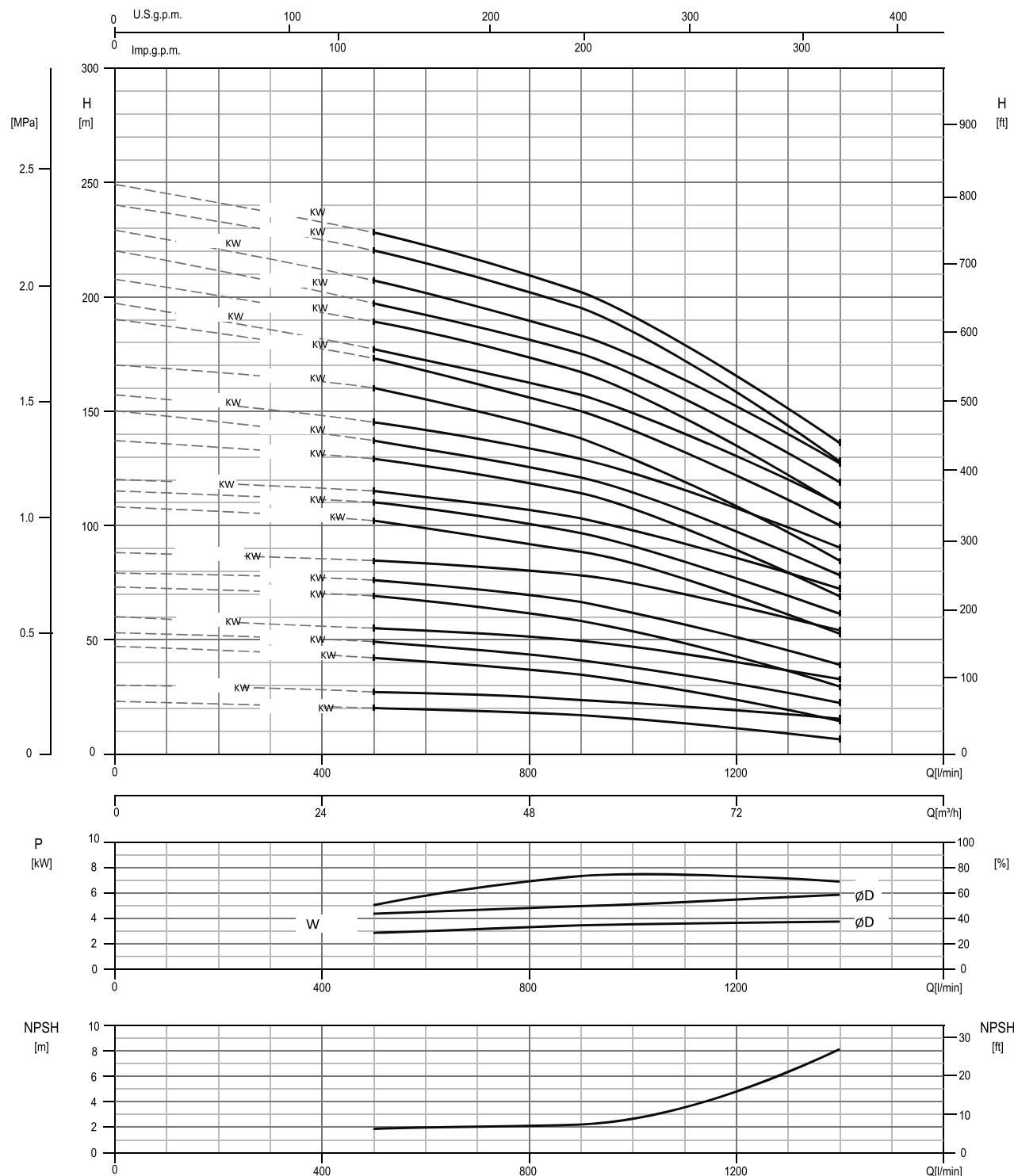


# EVMS(L)(G)

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



## PERFORMANCE CURVES EVMS(.) 64

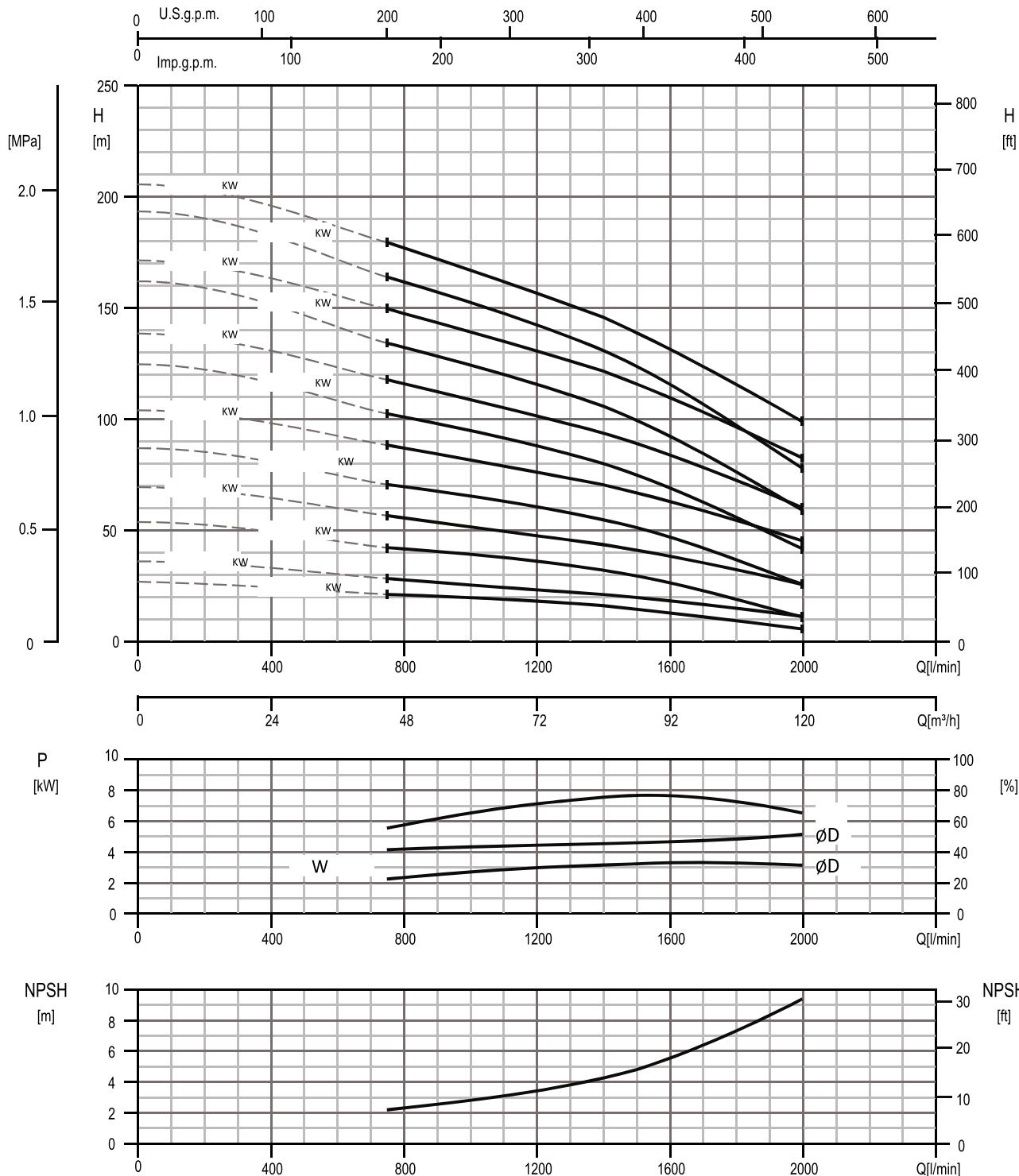


$\phi D_2 = P_2$  with full diameter  
 $\phi D_2^* = P_2$  with reduced diameter

# EVMS(L)(G)

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

## PERFORMANCE CURVES EVMS(.) 90



$\emptyset D_2 = P_2$  with full diameter  
 $\emptyset D_2^* = P_2$  with reduced diameter

# EVMS(L)(G) 1

Vertical multistage pumps

Selection table

Single phase 230V	Model Three phase 230/400V	HP	kW	Q=Flow rate						Motor size	Capacitor	Abs. Curr. [A]			
				I/min	0	12	20	30	40			μF	V <sub>c</sub>	1~ 230V	3~ 230V
				m <sup>3</sup> /h	0	0,7	1,2	1,8	2,4	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	16	400	3,1	1,7	1,0
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	16	400	3,1	1,7	1,0
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	16	400	3,1	1,7	1,0
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	16	400	3,1	1,7	1,0
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	16	400	3,1	1,7	1,0
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	16	400	3,1	1,7	1,0
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	16	400	3,1	1,7	1,0
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	16	400	3,9	2,6	1,5
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	16	400	3,9	2,6	1,5
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	16	400	3,9	2,6	1,5
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	16	400	3,9	2,6	1,5
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	16	400	3,9	2,6	1,5
EVMS(.)1 14/0.75M	EVMS(.)1 14/0.75	1	0,75		83,5	78,5	73,0	63,5	49,5	80	25	400	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	25	400	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	36	400	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	36	400	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	36	400	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	36	400	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	36	400	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	35	400	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	35	400	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	35	400	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	35	400	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	40	400	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	40	400	12,9	8,2	4,7

## 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,BEG	16	page 167	page 167	o	o	o	page 168
Balanced SiC/Carbon EPDM	HQ,BEG	25	o	16 bar: o 25 bar: page 167	o	o	o	16 bar: o 25 bar: page 168
Balanced SiC+g/SiC EPDM	HQ <sub>g</sub> Q <sub>1</sub> EG	25	o	o	o	o	o	o
Unbalanced SiC/Carbon FPM	Q,BVG	16	o	o	o	o	o	o
Balanced SiC/Carbon FPM	HQ,BVG	25	o	o	o	o	o	o
Balanced SiC+g/SiC FPM	HQ <sub>g</sub> Q <sub>1</sub> 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 448

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

# EVMS 1

Vertical multistage pumps in AISI 304



## Oval flange (N)



DNA  
DNM  
G1

## Round flange (F)



DNA  
DNM  
Ø25

Model	HP	kW	Max. working pressure [bar]	Code 1 x 230V	Code 3 x 230/400V	Code 1 x 230V	Code 3 x 230/400V
EVMS1-2	0,5	0,37	16	26251000020	26251000024	26251100020	26251100024
EVMS1-3	0,5	0,37	16	26251000030	26251000034	26251100030	26251100034
EVMS1-4	0,5	0,37	16	26251000040	26251000044	26251100040	26251100044
EVMS1-5	0,5	0,37	16	26251000050	26251000054	26251100050	26251100054
EVMS1-6	0,5	0,37	16	26251000060	26251000064	26251100060	26251100064
EVMS1-7	0,5	0,37	16	26251000070	26251000074	26251100070	26251100074
EVMS1-8	0,5	0,37	16	26251000080	26251000084	26251100080	26251100084
EVMS1-9	0,75	0,55	16	26251000090	26251000094	26251100090	26251100094
EVMS1-10	0,75	0,55	16	26251000100	26251000104	26251100100	26251100104
EVMS1-11	0,75	0,55	16	26251000110	26251000114	26251100110	26251100114
EVMS1-12	0,75	0,55	16	26251000120	26251000124	26251100120	26251100124
EVMS1-13	0,75	0,55	16	26251000130	26251000134	26251100130	26251100134
EVMS1-14	1	0,75	16	26251000140	26251000145	26251100140	26251100145
EVMS1-16	1	0,75	16	26251000160	26251000165	26251100160	26251100165
EVMS1-18	1,5	1,1	16	26251000180	26251000185	26251100180	26251100185
EVMS1-20	1,5	1,1	16	26251000200	26251000205	26251100200	26251100205
EVMS1-22	1,5	1,1	16	26251000220	26251000225	26251100220	26251100225
EVMS1-24	1,5	1,1	16	26251000240	26251000245	26251100240	26251100245
EVMS1-26	1,5	1,1	16	26251000260	26251000265	26251100260	26251100265
EVMS1-27	2	1,5	25	-	-	26251100270	26251100275
EVMS1-29	2	1,5	25	-	-	26251100290	26251100295
EVMS1-32	2	1,5	25	-	-	26251100320	26251100325
EVMS1-34	2	1,5	25	-	-	26251100340	26251100345
EVMS1-37	3	2,2	25	-	-	26251100370	26251100375
EVMS1-39	3	2,2	25	-	-	26251100390	26251100395

Included: oval counterflanges (N)

Not included: round counterflanges as accessories. See page 448

16 bar: Unbalanced SiC/Carbon EPDM (Q:BEG)

25 bar: Balanced SiC/Carbon EPDM (HQ:BEG)

# EVMSG 1

Vertical multistage pumps in cast iron



EVMSG(L)(G)

Model	HP	kW	Max. working pressure [bar]	Oval flange (N)		Round flange (F)	
				Code 1 x 230V	Code 3 x 230/400V	Code 1 x 230V	Code 3 x 230/400V
EVMSG1-2	0,5	0,37	16	26250000020	26250000024	26250100020	26250100024
EVMSG1-3	0,5	0,37	16	26250000030	26250000034	26250100030	26250100034
EVMSG1-4	0,5	0,37	16	26250000040	26250000044	26250100040	26250100044
EVMSG1-5	0,5	0,37	16	26250000050	26250000054	26250100050	26250100054
EVMSG1-6	0,5	0,37	16	26250000060	26250000064	26250100060	26250100064
EVMSG1-7	0,5	0,37	16	26250000070	26250000074	26250100070	26250100074
EVMSG1-8	0,5	0,37	16	26250000080	26250000084	26250100080	26250100084
EVMSG1-9	0,75	0,55	16	26250000090	26250000094	26250100090	26250100094
EVMSG1-10	0,75	0,55	16	26250000100	26250000104	26250100100	26250100104
EVMSG1-11	0,75	0,55	16	26250000110	26250000114	26250100110	26250100114
EVMSG1-12	0,75	0,55	16	26250000120	26250000124	26250100120	26250100124
EVMSG1-13	0,75	0,55	16	26250000130	26250000134	26250100130	26250100134
EVMSG1-14	1	0,75	16	26250000140	26250000145	26250100140	26250100145
EVMSG1-16	1	0,75	16	26250000160	26250000165	26250100160	26250100165
EVMSG1-18	1,5	1,1	16	26250000180	26250000185	26250100180	26250100185
EVMSG1-20	1,5	1,1	16	26250000200	26250000205	26250100200	26250100205
EVMSG1-22	1,5	1,1	16	26250000220	26250000225	26250100220	26250100225
EVMSG1-24	1,5	1,1	16	26250000240	26250000245	26250100240	26250100245
EVMSG1-26	1,5	1,1	16	26250000260	26250000265	26250100260	26250100265
EVMSG1-27	2	1,5	25	-	-	26250100270	26250100275
EVMSG1-29	2	1,5	25	-	-	26250100290	26250100295
EVMSG1-32	2	1,5	25	-	-	26250100320	26250100325
EVMSG1-34	2	1,5	25	-	-	26250100340	26250100345
EVMSG1-37	3	2,2	25	-	-	26250100370	26250100375
EVMSG1-39	3	2,2	25	-	-	26250100390	26250100395

Included: oval counterflanges (N)

Not included: round counterflanges as accessories. See page 448

16 bar: Unbalanced SiC/Carbon EPDM (Q,BEG)

25 bar: Balanced SiC/Carbon EPDM (HQ,BEG)

# EVMS(L)(G) 3

Vertical multistage pumps

**Selection table**

Single phase 230V	Model Three phase 230/400V	HP	kW	Q=Flow rate							Motor size	Abs. Curr. [A]		
				I/min	0	20	30	40	60	75		1~ 230V	3~ 230V	3~ 400V
				m³/h	0	1,2	1,8	2,4	3,6	4,5		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,BEG	16	page 170	page 170	o	o	o	page 171
Balanced SiC/Carbon EPDM	HQ,BEG	25	o	16 bar: o 25 bar: page 170	o	o	o	16 bar: o 25 bar: page 171
Balanced SiC+g/SiC EPDM	HQ,Q,BEG	25	o	o	o	o	o	o
Unbalanced SiC/Carbon FPM	Q,BVG	16	o	o	o	o	o	o
Balanced SiC/Carbon FPM	HQ,BVG	25	o	o	o	o	o	o
Balanced SiC+g/SiC FPM	HQ,Q,BVG	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 448

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

# EVMS 3

Vertical multistage pumps in AISI 304



EVMS(L)(G)

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

Included: oval counterflanges (N)

Not included: round counterflanges as accessories. See page 448

16 bar: Unbalanced SiC/Carbon EPDM (Q,BEG)

25 bar: Balanced SiC/Carbon EPDM (HQ,BEG)

# EVMSG 3

Vertical multistage pumps in cast iron



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

Included: oval counterflanges (N)

Not included: round counterflanges as accessories. See page 448

16 bar: Unbalanced SiC/Carbon EPDM (Q:BEG)

25 bar: Balanced SiC/Carbon EPDM (HQ:BEG)

# EVMS(L)(G) 5

Vertical multistage pumps

Selection table

Single phase 230V	Three phase 230/400/690V	HP	kW	Q=Flow rate							Motor size	Capacitor	Abs. Curr. [A]							
				I/min	0	40	60	75	100	130			μF	V <sub>c</sub>	1~	230V	3~	230V	400V	690V
				m <sup>3</sup> /h	0	2,4	3,6	4,5	6	7,8			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	16	400	3,1	1,7	1,0	-	-		
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	16	400	3,9	2,6	1,5	-	-		
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	25	400	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	36	400	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	35	400	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	35	400	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	40	400	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	40	400	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	40	400	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	40	400	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	-	-	

## 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,BEG	16		o	o	o	page 174	page 174
Balanced SiC/Carbon EPDM	HQ,BEG	25	o	16 bar: o 25 bar: page 173	o	o	o	16 bar: o 25 bar: page 174
Balanced SiC+g/SiC EPDM	HQ <sub>g</sub> Q,EG	25	o	o	o	o	o	o
Unbalanced SiC/Carbon FPM	Q,BVG	16	o	o	o	o	o	o
Balanced SiC/Carbon FPM	HQ,BVG	25	o	o	o	o	o	o
Balanced SiC+g/SiC FPM	HQ <sub>g</sub> Q,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 448

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

# EVMS 5

Vertical multistage pumps in AISI 304



Model	HP	kW	Max. working pressure [bar]	Code 1 x 230V	Code 3 x 230/400/690V
EVMS5- 2	0,5	0,37	16	26451000020	26451000024
EVMS5- 3	0,75	0,55	16	26451000030	26451000034
EVMS5- 4	1	0,75	16	26451000040	26451000045
EVMS5- 5	1,5	1,1	16	26451000050	26451000055
EVMS5- 6	2	1,5	16	26451000060	26451000065
EVMS5- 7	2	1,5	16	26451000070	26451000075
EVMS5- 8	3	2,2	16	26451000080	26451000085
EVMS5- 9	3	2,2	16	26451000090	26451000095
EVMS5- 10	3	2,2	16	26451000100	26451000105
EVMS5- 11	3	2,2	16	26451000110	26451000115
EVMS5- 12	4	3,0	16	-	26451000125
EVMS5- 13	4	3,0	16	-	26451000135
EVMS5- 14	4	3,0	16	-	26451000145
EVMS5- 15	4	3,0	16	-	26451000155
EVMS5- 17	5,5	4,0	16	-	26451000175
EVMS5- 19	5,5	4,0	25	-	-
EVMS5- 20	5,5	4,0	25	-	-
EVMS5- 23	7,5	5,5	25	-	-
EVMS5- 25	7,5	5,5	25	-	-
EVMS5- 27	7,5	5,5	25	-	-

## Oval flange (N)



DNA  
DNM  
G1½

## Round flange (F)



DNA  
DNM  
Ø32

Model	HP	kW	Max. working pressure [bar]	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	16	26451000020	26451000024	26451100020	26451100024
EVMS5- 3	0,75	0,55	16	26451000030	26451000034	26451100030	26451100034
EVMS5- 4	1	0,75	16	26451000040	26451000045	26451100040	26451100045
EVMS5- 5	1,5	1,1	16	26451000050	26451000055	26451100050	26451100055
EVMS5- 6	2	1,5	16	26451000060	26451000065	26451100060	26451100065
EVMS5- 7	2	1,5	16	26451000070	26451000075	26451100070	26451100075
EVMS5- 8	3	2,2	16	26451000080	26451000085	26451100080	26451100085
EVMS5- 9	3	2,2	16	26451000090	26451000095	26451100090	26451100095
EVMS5- 10	3	2,2	16	26451000100	26451000105	26451100100	26451100105
EVMS5- 11	3	2,2	16	26451000110	26451000115	26451100110	26451100115
EVMS5- 12	4	3,0	16	-	26451000125	-	26451100125
EVMS5- 13	4	3,0	16	-	26451000135	-	26451100135
EVMS5- 14	4	3,0	16	-	26451000145	-	26451100145
EVMS5- 15	4	3,0	16	-	26451000155	-	26451100155
EVMS5- 17	5,5	4,0	16	-	26451000175	-	26451100175
EVMS5- 19	5,5	4,0	25	-	-	-	26451100195
EVMS5- 20	5,5	4,0	25	-	-	-	26451100205
EVMS5- 23	7,5	5,5	25	-	-	-	26451100235
EVMS5- 25	7,5	5,5	25	-	-	-	26451100255
EVMS5- 27	7,5	5,5	25	-	-	-	26451100275

Included: oval counterflanges (N)

Not included: round counterflanges as accessories. See page 448

16 bar: Unbalanced SiC/Carbon EPDM (Q;BEG)

25 bar: Balanced SiC/Carbon EPDM (HQ;BEG)

# EVMSG 5

Vertical multistage pumps in cast iron



EVMSG(L)(G)

Model	HP	kW	Max. working pressure [bar]	Oval flange (N)		Round flange (F)	
				Code 1 x 230V	Code 3 x 230/400/690V	DNA DNM G1½	DNA DNM Ø32
EVMSG5- 2	0,5	0,37	16	26450000020	26450000024	26450100020	26450100024
EVMSG5- 3	0,75	0,55	16	26450000030	26450000034	26450100030	26450100034
EVMSG5- 4	1	0,75	16	26450000040	26450000045	26450100040	26450100045
EVMSG5- 5	1,5	1,1	16	26450000050	26450000055	26450100050	26450100055
EVMSG5- 6	2	1,5	16	26450000060	26450000065	26450100060	26450100065
EVMSG5- 7	2	1,5	16	26450000070	26450000075	26450100070	26450100075
EVMSG5- 8	3	2,2	16	26450000080	26450000085	26450100080	26450100085
EVMSG5- 9	3	2,2	16	26450000090	26450000095	26450100090	26450100095
EVMSG5- 10	3	2,2	16	26450000100	26450000105	26450100100	26450100105
EVMSG5- 11	3	2,2	16	26450000110	26450000115	26450100110	26450100115
EVMSG5- 12	4	3,0	16	-	26450000125	-	26450100125
EVMSG5- 13	4	3,0	16	-	26450000135	-	26450100135
EVMSG5- 14	4	3,0	16	-	26450000145	-	26450100145
EVMSG5- 15	4	3,0	16	-	26450000155	-	26450100155
EVMSG5- 17	5,5	4,0	16	-	26450000175	-	26450100175
EVMSG5- 19	5,5	4,0	25	-	-	-	26450100195
EVMSG5- 20	5,5	4,0	25	-	-	-	26450100205
EVMSG5- 23	7,5	5,5	25	-	-	-	26450100235
EVMSG5- 25	7,5	5,5	25	-	-	-	26450100255
EVMSG5- 27	7,5	5,5	25	-	-	-	26450100275

Included: oval counterflanges (N)

Not included: round counterflanges as accessories. See page 448

16 bar: Unbalanced SiC/Carbon EPDM (Q:BEG)

25 bar: Balanced SiC/Carbon EPDM (HQ:BEG)

# EVMS(L)(G) 10

Vertical multistage pumps

## Selection table

Single phase 230V	Three phase 230/400/690V	HP	kW	Q=Flow rate								Motor size	Capacitor		Abs. Curr. [A]				
				I/min	0	75	100	130	150	180	200		µF	V <sub>c</sub>	1~ 230V	3~ 230V	400V	690V	
				m <sup>3</sup> /h	0	4,5	6,0	7,8	9,0	10,8	12,0		H=Total head [m]						
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	25	400	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	35	400	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	40	400	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	40	400	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	40	400	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	132	-	-	-	-	13,6	7,9
-	EVMS(.)10 22/11	15	11		240	233	229	217	205	183	164	108	160	-	-	-	-	21,3	12,3
-	EVMS(.)10 23/11	15	11		251	244	240	227	215	191	172	113	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 <sub>1</sub> BEG	16		o	o	o	page 177	page 177
Balanced SiC/Carbon EPDM	HQ <sub>1</sub> BEG	25		o 16 bar: o 25 bar: page 176	o	o	o	16 bar: o 25 bar: page 177
Balanced SiC+g/SiC EPDM	HQ <sub>g</sub> Q <sub>1</sub> EG	25		o	o	o	o	o
Unbalanced SiC/Carbon FPM	Q <sub>1</sub> BVG	16		o	o	o	o	o
Balanced SiC/Carbon FPM	HQ <sub>1</sub> BVG	25		o	o	o	o	o
Balanced SiC+g/SiC FPM	HQ <sub>g</sub> Q <sub>1</sub> VG	25		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 448

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

# EVMS 10

Vertical multistage pumps in AISI 304


**EVMS(L)(G)**

				Oval flange (N)		Round flange (F)	
Model	HP	kW	Max. working pressure [bar]	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	16	26551000020	26551000025	26551100020	26551100025
EVMS10- 3	2	1,5	16	26551000030	26551000035	26551100030	26551100035
EVMS10- 4	3	2,2	16	26551000040	26551000045	26551100040	26551100045
EVMS10- 5	3	2,2	16	26551000050	26551000055	26551100050	26551100055
EVMS10- 6	3	2,2	16	26551000060	26551000065	26551100060	26551100065
EVMS10- 7	4	3,0	16	-	26551000075	-	26551100075
EVMS10- 8	4	3,0	16	-	26551000085	-	26551100085
EVMS10- 9	5,5	4,0	16	-	26551000095	-	26551100095
EVMS10- 10	5,5	4,0	16	-	26551000105	-	26551100105
EVMS10- 11	5,5	4,0	16	-	26551000115	-	26551100115
EVMS10- 12	7,5	5,5	16	-	26551000125	-	26551100125
EVMS10- 14	7,5	5,5	16	-	26551000145	-	26551100145
EVMS10- 15	7,5	5,5	16	-	26551000155	-	26551100155
EVMS10- 16	10	7,5	25	-	-	-	26551100165
EVMS10- 18	10	7,5	25	-	-	-	26551100185
EVMS10- 19	10	7,5	25	-	-	-	26551100195
EVMS10- 21	10	7,5	25	-	-	-	26551100215
EVMS10- 22	15	11	25	-	-	-	26551100225
EVMS10- 23	15	11	25	-	-	-	26551100235

Included: oval counterflanges (N)

Not included: round counterflanges as accessories. See page 448

16 bar: Unbalanced SiC/Carbon EPDM (Q:BEG)

25 bar: Balanced SiC/Carbon EPDM (HQ:BEG)

# EVMSG 10

Vertical multistage pumps in cast iron



EVMSG(L)(G)

Model	HP	kW	Max. working pressure [bar]	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	16	26550000020	26550000025	26550100020	26550100025
EVMSG10- 3	2	1,5	16	26550000030	26550000035	26550100030	26550100035
EVMSG10- 4	3	2,2	16	26550000040	26550000045	26550100040	26550100045
EVMSG10- 5	3	2,2	16	26550000050	26550000055	26550100050	26550100055
EVMSG10- 6	3	2,2	16	26550000060	26550000065	26550100060	26550100065
EVMSG10- 7	4	3,0	16	-	26550000075	-	26550100075
EVMSG10- 8	4	3,0	16	-	26550000085	-	26550100085
EVMSG10- 9	5,5	4,0	16	-	26550000095	-	26550100095
EVMSG10- 10	5,5	4,0	16	-	26550000105	-	26550100105
EVMSG10- 11	5,5	4,0	16	-	26550000115	-	26550100115
EVMSG10- 12	7,5	5,5	16	-	26550000125	-	26550100125
EVMSG10- 14	7,5	5,5	16	-	26550000145	-	26550100145
EVMSG10- 15	7,5	5,5	16	-	26550000155	-	26550100155
EVMSG10- 16	10	7,5	25	-	-	-	26550100165
EVMSG10- 18	10	7,5	25	-	-	-	26550100185
EVMSG10- 19	10	7,5	25	-	-	-	26550100195
EVMSG10- 21	10	7,5	25	-	-	-	26550100215
EVMSG10- 22	15	11	25	-	-	-	26550100225
EVMSG10- 23	15	11	25	-	-	-	26550100235

Included: oval counterflanges (N)

Not included: round counterflanges as accessories. See page 448

16 bar: Unbalanced SiC/Carbon EPDM (Q:BEG)

25 bar: Balanced SiC/Carbon EPDM (HQ:BEG)

# EVMS(L)(G) 15

Vertical multistage pumps

Selection table

Single phase 230V	Three phase 230/400/690V	HP	kW	Q=Flow rate										Motor size	Capacitor	Abs. Curr.				
				I/min	0	130	150	180	200	250	300	350	400			[A]	1~	3~		
				m³/h	0	7,8	9,0	10,8	12,0	15,0	18,0	21,0	24,0			230V	230V	400V	690V	
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	36	400	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	40	400	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	160	-	-	-	-	21,3	12,3
-	EVMS(.)15 13/11	15	11		191	179	176	172	169	162	150	133	109	160	-	-	-	-	21,3	12,3
-	EVMS(.)15 15/15	20	15		221	206	203	199	195	187	174	153	126	160 M	-	-	-	-	26,7	15,4
-	EVMS(.)15 17/15	20	15		250	234	231	225	221	211	197	173	143	160 M	-	-	-	-	26,7	15,4

## 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)	(V)	(C)	Oval flange (N)	Round flange (F)
Unbalanced SiC/Carbon EPDM	Q,BEG	16		o	o	o	page 180	page 180
Balanced SiC/Carbon EPDM	HQ,BEG	25	o	16 bar: o 25 bar: page 179	o	o	o	16 bar: o 25 bar: page 180
Balanced SiC+g/SiC EPDM	HQ <sub>g</sub> Q <sub>1</sub> EG	25	o	o	o	o	o	o
Unbalanced SiC/Carbon FPM	Q,BVG	16	o	o	o	o	o	o
Balanced SiC/Carbon FPM	HQ <sub>1</sub> BVG	25	o	o	o	o	o	o
Balanced SiC+g/SiC FPM	HQ <sub>g</sub> Q <sub>1</sub> 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 448

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

# EVMS 15

Vertical multistage pumps in AISI 304



Model	HP	kW	Max. working pressure [bar]	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	16	26651000010	26651000015	26651100010	26651100015
EVMS15- 2	3	2,2	16	26651000020	26651000025	26651100020	26651100025
EVMS15- 3	4	3,0	16	-	26651000035	-	26651100035
EVMS15- 4	5,5	4,0	16	-	26651000045	-	26651100045
EVMS15- 5	7,5	5,5	16	-	26651000055	-	26651100055
EVMS15- 6	7,5	5,5	16	-	26651000065	-	26651100065
EVMS15- 7	10	7,5	16	-	26651000075	-	26651100075
EVMS15- 8	10	7,5	16	-	26651000085	-	26651100085
EVMS15- 9	15	11	16	-	26651000095	-	26651100095
EVMS15- 10	15	11	16	-	26651000105	-	26651100105
EVMS15- 11	15	11	16	-	26651000115	-	26651100115
EVMS15- 12	15	11	25	-	-	-	26651100125
EVMS15- 13	15	11	25	-	-	-	26651100135
EVMS15- 15	20	15	25	-	-	-	26651100154
EVMS15- 17	20	15	25	-	-	-	26651100174

Included: oval counterflanges (N)

Not included: round counterflanges as accessories. See page 448

16 bar: Unbalanced SiC/Carbon EPDM (Q;BEG)

25 bar: Balanced SiC/Carbon EPDM (HQ;BEG)

# EVMSG 15

Vertical multistage pumps in cast iron



EVMSG(L)(G)

Model	HP	kW	Max. working pressure [bar]	Oval flange (N)		Round flange (F)	
				Code 1 x 230V	Code 3 x 230/400/690V	DNA DNM G2	DNA DNM Ø50
EVMSG15- 1	1,5	1,1	16	26650000010	26650000015	26650100010	26650100015
EVMSG15- 2	3	2,2	16	26650000020	26650000025	26650100020	26650100025
EVMSG15- 3	4	3,0	16	-	26650000035	-	26650100035
EVMSG15- 4	5,5	4,0	16	-	26650000045	-	26650100045
EVMSG15- 5	7,5	5,5	16	-	26650000055	-	26650100055
EVMSG15- 6	7,5	5,5	16	-	26650000065	-	26650100065
EVMSG15- 7	10	7,5	16	-	26650000075	-	26650100075
EVMSG15- 8	10	7,5	16	-	26650000085	-	26650100085
EVMSG15- 9	15	11	16	-	26650000095	-	26650100095
EVMSG15- 10	15	11	16	-	26650000105	-	26650100105
EVMSG15- 11	15	11	16	-	26650000115	-	26650100115
EVMSG15- 12	15	11	25	-	-	-	26650100125
EVMSG15- 13	15	11	25	-	-	-	26650100135
EVMSG15- 15	20	15	25	-	-	-	26650100154
EVMSG15- 17	20	15	25	-	-	-	26650100174

Included: oval counterflanges (N)

Not included: round counterflanges as accessories. See page 448

16 bar: Unbalanced SiC/Carbon EPDM (Q:BEG)

25 bar: Balanced SiC/Carbon EPDM (HQ:BEG)

# EVMS(L)(G) 20

Vertical multistage pumps

## Selection table

Single phase 230V	Three phase 230/400/690V	HP	kW	Q=Flow rate										Motor size	Abs. Curr. [A]			
				I/min	0	180	200	250	300	350	400	450	480		1~	3~		
				m³/h	0	10,8	12,0	15,0	18,0	21,0	24,0	27,0	28,8		230V	230V	400V	690V
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	160	-	-	21,3	12,3
-	EVMS(.)20 9/11	15	11		152	137	135	130	125	118	106	89,6	79	160	-	-	21,3	12,3
-	EVMS(.)20 10/11	15	11		168	152	150	145	139	131	118	100	87	160	-	-	21,3	12,3
-	EVMS(.)20 11/15	20	15		185	167	165	159	152	144	130	110	96	160 M	-	-	26,7	15,4
-	EVMS(.)20 12/15	20	15		202	182	179	173	166	157	142	119	105	160 M	-	-	26,7	15,4
-	EVMS(.)20 13/15	20	15		219	198	194	188	180	170	154	129	113	160 M	-	-	26,7	15,4
-	EVMS(.)20 14/18,5	25	18,5		244	221	217	210	202	191	175	149	130	160 L	-	-	33,0	19,1
-	EVMS(.)20 15/18,5	25	18,5		262	237	232	225	216	205	186	159	141	160 L	-	-	33,0	19,1
-	EVMS(.)20 16/18,5	25	18,5		279	252	248	240	231	218	199	170	150	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	
		Oval flange (N)	Round flange (F)	Loose flange (LF)	Victaulic® (V)	Clamp (C)	Oval flange (N)	Round flange (F)
Unbalanced SiC/Carbon EPDM	Q,BEG	16		o	o	o	page 183	page 183
Balanced SiC/Carbon EPDM	HQ,BEG	25	o	16 bar: o 25 bar: page 182	o	o	o	16 bar: o 25 bar: page 183
Balanced SiC+g/SiC EPDM	HQ <sub>g</sub> Q,BEG	25	o	o	o	o	o	o
Unbalanced SiC/Carbon FPM	Q,BVG	16	o	o	o	o	o	o
Balanced SiC/Carbon FPM	HQ,BVG	25	o	o	o	o	o	o
Balanced SiC+g/SiC FPM	HQ <sub>g</sub> Q,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 448

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

# EVMS 20

Vertical multistage pumps in AISI 304



EVMS(L)(G)

				Oval flange (N)		Round flange (F)	
Model	HP	kW	Max. working pressure [bar]	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	16	26751000010	26751000015	26751100010	26751100015
EVMS20- 2	4	3,0	16	-	26751000025	-	26751100025
EVMS20- 3	5,5	4,0	16	-	26751000035	-	26751100035
EVMS20- 4	7,5	5,5	16	-	26751000045	-	26751100045
EVMS20- 5	10	7,5	16	-	26751000055	-	26751100055
EVMS20- 6	10	7,5	16	-	26751000065	-	26751100065
EVMS20- 7	15	11	16	-	26751000075	-	26751100075
EVMS20- 8	15	11	16	-	26751000085	-	26751100085
EVMS20- 9	15	11	16	-	26751000095	-	26751100095
EVMS20- 10	15	11	25	-	-	-	26751100105
EVMS20- 11	20	15	25	-	-	-	26751100114
EVMS20- 12	20	15	25	-	-	-	26751100124
EVMS20- 13	20	15	25	-	-	-	26751100134
EVMS20- 14	25	18,5	25	-	-	-	26751100144
EVMS20- 15	25	18,5	25	-	-	-	26751100154
EVMS20- 16	25	18,5	25	-	-	-	26751100164

Included: oval counterflanges (N)

Not included: round counterflanges as accessories. See page 448

16 bar: Unbalanced SiC/Carbon EPDM (Q,BEG)

25 bar: Balanced SiC/Carbon EPDM (HQ,BEG)

# EVMSG 20

Vertical multistage pumps in cast iron



Model	HP	kW	Max. working pressure [bar]	Oval flange (N)		Round flange (F)	
				Code 1 x 230V	Code 3 x 230/400/690V	DNA DNM G2	DNA DNM Ø50
EVMSG20- 1	2	1,5	16	26750000010	26750000015	26750100010	26750100015
EVMSG20- 2	4	3,0	16	-	26750000025	-	26750100025
EVMSG20- 3	5,5	4,0	16	-	26750000035	-	26750100035
EVMSG20- 4	7,5	5,5	16	-	26750000045	-	26750100045
EVMSG20- 5	10	7,5	16	-	26750000055	-	26750100055
EVMSG20- 6	10	7,5	16	-	26750000065	-	26750100065
EVMSG20- 7	15	11	16	-	26750000075	-	26750100075
EVMSG20- 8	15	11	16	-	26750000085	-	26750100085
EVMSG20- 9	15	11	16	-	26750000095	-	26750100095
EVMSG20- 10	15	11	25	-	-	-	26750100105
EVMSG20- 11	20	15	25	-	-	-	26750100114
EVMSG20- 12	20	15	25	-	-	-	26750100124
EVMSG20- 13	20	15	25	-	-	-	26750100134
EVMSG20- 14	25	18,5	25	-	-	-	26750100144
EVMSG20- 15	25	18,5	25	-	-	-	26750100154
EVMSG20- 16	25	18,5	25	-	-	-	26750100164

Included: oval counterflanges (N)

Not included: round counterflanges as accessories. See page 448

16 bar: Unbalanced SiC/Carbon EPDM (Q;BEG)

25 bar: Balanced SiC/Carbon EPDM (HQ;BEG)

# EVMS(L)(G) 32

Vertical multistage pumps

Selection table

Model Three phase 230/400/690V	HP	kW	Q=Flow rate							Motor size	Abs. Curr.		
			I/min	0	200	350	500	600	700		[A]	3~	
			m³/h	0	12	21	30	36	42		230V	400V	690V
H=Total head [m]													
EVMS(.)32 1-1/1.5	2	1.5		17,1	15	12,7	10,8	8,3	5,3	90	5,8	3,3	-
EVMS(.)32 1-0/2.2	3	2.2		20,2	18,8	16,0	13,2	11	7,9	90	8,2	4,7	-
EVMS(.)32 2-2/3.0	4	3.0		34,5	31	28,5	23,5	19,2	13,4	100	11,1	6,4	-
EVMS(.)32 2-0/4.0	5,5	4.0		43	40	34,8	28,5	23,8	17,9	112	15,1	8,7	-
EVMS(.)32 3-2/5.5	7,5	5.5		57	52	46	37,8	31,4	23,3	132	10,4	6,0	-
EVMS(.)32 3-0/5.5	7,5	5.5		63	59	52	43	36,4	28,2	132	10,4	6,0	-
EVMS(.)32 4-2/7.5	10	7.5		76,5	71	62	52,5	44	33,3	132	-	13,6	7,9
EVMS(.)32 4-0/7.5	10	7.5		83,5	79	70	58	49,5	38,7	132	-	13,6	7,9
EVMS(.)32 5-2/11	15	11		100	92,5	80	66,5	55,5	41,5	160	-	21,3	12,3
EVMS(.)32 5-0/11	15	11		105	99	87	72,5	62	48	160	-	21,3	12,3
EVMS(.)32 6-2/11	15	11		119	111	98	81	68	51,5	160	-	21,3	12,3
EVMS(.)32 6-0/11	15	11		127	121	104	86,5	74	57,5	160	-	26,2	15,2
EVMS(.)32 7-2/15	20	15		139	130	115	95,5	80,5	62	160	-	26,2	15,2
EVMS(.)32 7-0/15	20	15		146	138	122	101	86	67	160	-	26,2	15,2
EVMS(.)32 8-2/15	20	15		160	150	132	110	93,5	72,5	160	-	26,2	15,2
EVMS(.)32 8-0/15	20	15		167	159	140	117	99,5	79,5	160	-	26,2	15,2
EVMS(.)32 9-2/15	20	15		182	171	151	127	108	83,5	160	-	26,2	15,2
EVMS(.)32 9-0/15	20	15		187	178	157	132	115	90	160	-	26,2	15,2
EVMS(.)32 10-2/18.5	25	18.5		210	198	176	147	126	100	160	-	32,8	19,0
EVMS(.)32 10-0/18.5	25	18.5		216	206	180	151	130	104	160	-	32,8	19,0
EVMS(.)32 11-2/18.5	25	18.5		233	219	194	163	139	112	160	-	32,8	19,0
EVMS(.)32 11-0/18.5	25	18.5		239	228	201	169	145	116	160	-	32,8	19,0
EVMS(.)32 12-2/22	30	22		253	238	210	178	153	121	180	-	38,5	22,3
EVMS(.)32 12-0/22	30	22		255	243	215	182	155	126	180	-	38,5	22,3
EVMS(.)32 13-2/22	30	22		272	257	229	195	167	136	180	-	38,5	22,3
EVMS(.)32 13-0/22	30	22		278	264	235	200	171	139	180	-	38,5	22,3
EVMS(.)32 14-2/30	40	30		290	276	247	212	182	144	200	-	51,0	29,6
EVMS(.)32 14-0/30	40	30		300	285	253	218	186	152	200	-	51,0	29,6

## Model configuration

Cartridge shaft seal	Max. working pressure [bar]	EVMS (AISI 304) EVMSL (AISI 316) *			EVMSG in cast iron		
		Loose flange (LF)	Round flange (F)	Round flange (F)	Round flange (F)	Round flange (F)	Round flange (F)
Unbalanced SiC/Carbon EPDM	Q,BEG	16		page 185		page 185	
Balanced SiC/Carbon EPDM	HQ,BEG	25/30		16 bar: o 25/30 bar: page 185		16 bar: o 25/30 bar: page 185	
Balanced SiC+g/SiC EPDM	HQ <sub>g</sub> Q <sub>1</sub> EG	25/30		o		o	
Unbalanced SiC/Carbon FPM	Q,BVG	16		o		o	
Balanced SiC/Carbon FPM	HQ,BVG	25/30		o		o	
Balanced SiC+g/SiC FPM	HQ <sub>g</sub> Q <sub>1</sub> VG	25/30		o		o	

o On request, please contact our sales network.

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

# EVMS(G) 32

Vertical multistage pumps



## EVMS - Loose flange (LF)



DNA  
DNM  
Ø65

Code  
3 x 230/400/690V

## EVMSG - Round flange (F)



DNA  
DNM  
Ø65

Code  
3 x 230/400/690V

Model	HP	kW	Max. working pressure [bar]	
EVMS(.)32 1-1/1.5	2	1.5	16	27151201014
EVMS(.)32 1-0/2.2	3	2.2	16	27151200014
EVMS(.)32 2-2/3.0	4	3.0	16	27151202024
EVMS(.)32 2-0/4.0	5.5	4.0	16	27151200024
EVMS(.)32 3-2/5.5	7.5	5.5	16	27151202034
EVMS(.)32 3-0/5.5	7.5	5.5	16	27151200034
EVMS(.)32 4-2/7.5	10	7.5	16	27151202044
EVMS(.)32 4-0/7.5	10	7.5	16	27151200044
EVMS(.)32 5-2/11	15	11	16	27151202054
EVMS(.)32 5-0/11	15	11	16	27151200054
EVMS(.)32 6-2/11	15	11	16	27151202064
EVMS(.)32 6-0/11	15	11	16	27151200064
EVMS(.)32 7-2/15	20	15	16	27151202074
EVMS(.)32 7-0/15	20	15	16	27151200074
EVMS(.)32 8-2/15	20	15	25	27151242084
EVMS(.)32 8-0/15	20	15	25	27151240084
EVMS(.)32 9-2/15	20	15	25	27151242094
EVMS(.)32 9-0/15	20	15	25	27151240094
EVMS(.)32 10-2/18.5	25	18.5	25	27151242104
EVMS(.)32 10-0/18.5	25	18.5	25	27151240104
EVMS(.)32 11-2/18.5	25	18.5	25	27151242114
EVMS(.)32 11-0/18.5	25	18.5	25	27151240114
EVMS(.)32 12-2/22	30	22	30	27151242124
EVMS(.)32 12-0/22	30	22	30	27151240124
EVMS(.)32 13-2/22	30	22	30	27151242134
EVMS(.)32 13-0/22	30	22	30	27151240134
EVMS(.)32 14-2/30	40	30	30	27151242144
EVMS(.)32 14-0/30	40	30	30	27151240144

16 bar: Unbalanced SiC/Carbon EPDM (Q;BEG)

25/30 bar: Balanced SiC/Carbon EPDM (HQ;BEG)

# EVMS(L)(G) 45

Vertical multistage pumps

Selection table

Model Three phase 230/400/690V	HP	kW	Q=Flow rate										Motor size	Abs. Curr.			
			l/min m³/h	0		350	500	600	700	800	900	1000		[A] 3~	230V	400V	690V
				0	21	30	36	42	48	54	60						
H=Total head [m]																	
EVMS(.)45 1-1/3.0	4	3.0	25,1	19,2	18,3	17,5	15,9	13,9	11	7,9	100	11,1	6,4	-			
EVMS(.)45 1-0/4.0	5.5	4.0	28,4	24,7	23,2	22,1	20,4	18,6	16,7	14,3	112	15,1	8,7	-			
EVMS(.)45 2-2/5.5	7.5	5.5	48,5	38,5	36,8	35,1	31,7	27,7	22,6	16,3	132	-	10,4	6,0			
EVMS(.)45 2-0/7.5	10	7.5	54	49	46,5	44,5	41,5	38,1	33,6	28,7	132	-	13,6	7,9			
EVMS(.)45 3-2/11	15	11	77	63	60	57	52	46,5	39,4	30,8	160	-	21,3	12,3			
EVMS(.)45 3-0/11	15	11	81	73	69,5	67	63	57,5	50,5	44	160	-	21,3	12,3			
EVMS(.)45 4-2/15	20	15	102	87,5	83	79,5	73,5	66	56	45	160	-	26,2	15,2			
EVMS(.)45 4-0/15	20	15	105	97,5	92	89,5	83,5	76,5	68,5	58	160	-	26,2	15,2			
EVMS(.)45 5-2/18.5	25	18.5	130	116	110	106	99,5	90	79	65	160	-	32,8	19,0			
EVMS(.)45 5-0/18.5	25	18.5	134	125	119	116	109	101	90,5	78,5	160	-	32,8	19,0			
EVMS(.)45 6-2/22	30	22	158	140	133	130	122	111	98	81,5	180	-	38,5	22,3			
EVMS(.)45 6-0/22	30	22	162	151	143	139	132	121	109	94	180	-	51,0	29,6			
EVMS(.)45 7-2/30	40	30	181	165	157	153	144	131	116	98,5	200	-	51,0	29,6			
EVMS(.)45 7-0/30	40	30	186	175	167	162	154	142	127	110	200	-	51,0	29,6			
EVMS(.)45 8-2/30	40	30	209	192	183	178	169	154	137	117	200	-	51,0	29,6			
EVMS(.)45 8-0/30	40	30	212	200	191	187	177	163	147	127	200	-	51,0	29,6			
EVMS(.)45 9-2/30	40	30	233	214	205	200	189	173	153	129	200	-	51,0	29,6			
EVMS(.)45 9-0/37	50	37	243	229	218	214	203	188	170	147	200	-	64,0	37,1			
EVMS(.)45 10-2/37	50	37	269	246	233	227	213	196	174	147	200	-	64,0	37,1			
EVMS(.)45 10-0/37	50	37	269	253	243	236	225	208	188	163	200	-	64,0	37,1			
EVMS(.)45 11-2/45	60	45	298	272	258	250	236	217	193	164	225	-	77,0	44,5			
EVMS(.)45 11-0/45	60	45	296	279	267	260	248	229	207	179	225	-	77,0	44,5			
EVMS(.)45 12-2/45	60	45	326	297	282	275	259	238	213	181	225	-	77,0	44,5			
EVMS(.)45 12-0/45	60	45	323	304	292	284	270	250	225	196	225	-	77,0	44,5			
EVMS(.)45 13-2/45	60	45	342	320	307	300	286	264	234	203	225	-	77,0	44,5			

## Model configuration

Cartridge shaft seal	Max. working pressure [bar]	EVMS (AISI 304) EVMSL (AISI 316) *		EVMSG in cast iron
		Loose flange (LF)	Round flange (F)	
Unbalanced SiC/Carbon EPDM	Q,BEG	16	page 187	page 187
Balanced SiC/Carbon EPDM	HQ,BEG	25/35	16 bar: o 25/35 bar: page 187	16 bar: o 25/35 bar: page 187
Balanced SiC+g/SiC EPDM	HQ <sub>g</sub> Q <sub>1</sub> EG	25/35	o	o
Unbalanced SiC/Carbon FPM	Q,BVG	16	o	o
Balanced SiC/Carbon FPM	HQ,BVG	25/35	o	o
Balanced SiC+g/SiC FPM	HQ <sub>g</sub> Q <sub>1</sub> VG	25/35	o	o

o On request, please contact our sales network.

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

# EVMS(G) 45

Vertical multistage pumps



## EVMS - Loose flange (LF)



DNA  
DNM  
Ø80

Code  
3 x 230/400/690V

Model	HP	kW	Max. working pressure [bar]	
EVMS(.45 1-1/3.0	4	3.0	16	27251201014
EVMS(.45 1-0/4.0	5.5	4.0	16	27251200014
EVMS(.45 2-2/5.5	7.5	5.5	16	27251202024
EVMS(.45 2-0/7.5	10	7.5	16	27251200024
EVMS(.45 3-2/11	15	11	16	27251202034
EVMS(.45 3-0/11	15	11	16	27251200034
EVMS(.45 4-2/15	20	15	16	27251202044
EVMS(.45 4-0/15	20	15	16	27251200044
EVMS(.45 5-2/18.5	25	18.5	16	27251202054
EVMS(.45 5-0/18.5	25	18.5	16	27251200054
EVMS(.45 6-2/22	30	22	25	27251242064
EVMS(.45 6-0/22	30	22	25	27251240064
EVMS(.45 7-2/30	40	30	25	27251242074
EVMS(.45 7-0/30	40	30	25	27251240074
EVMS(.45 8-2/30	40	30	25	27251242084
EVMS(.45 8-0/30	40	30	25	27251240084
EVMS(.45 9-2/30	40	30	25	27251242094
EVMS(.45 9-0/37	50	37	25	27251240094
EVMS(.45 10-2/37	50	37	35	27251242104
EVMS(.45 10-0/37	50	37	35	27251240104
EVMS(.45 11-2/45	60	45	35	27251242114
EVMS(.45 11-0/45	60	45	35	27251240114
EVMS(.45 12-2/45	60	45	35	27251242124
EVMS(.45 12-0/45	60	45	35	27251240124
EVMS(.45 13-2/45	60	45	35	27251242134

## EVMSG - Round flange (F)



DNA  
DNM  
Ø80

Code  
3 x 230/400/690V

27250101014
27250100014
27250102024
27250100024
27250102034
27250100034
27250102044
27250100044
27250102054
27250100054
27250142064
27250140064
27250142074
27250140074
27250142084
27250140084
27250142094
27250140094
27250142104
27250140104
27250142114
27250140114
27250142124
27250140124
27250142134

16 bar: Unbalanced SiC/Carbon EPDM (Q:BEG)

25/35 bar: Balanced SiC/Carbon EPDM (HQ:BEG)

# EVMS(L)(G) 64

Vertical multistage pumps

Selection table

Model Three phase 230/400/690V	HP	kW	Q=Flow rate									Motor size	Abs. Curr.				
			l/min m³/h	0		500		600		750			1000		1200		[A] 3~
				0	30	36	45	60	72	84	112	132	160	160	160	160	
EVMS(.)64 1-1/4.0	5.5	4.0		23	20	19,4	18,6	15,5	11,6	6,3	112	15,1	8,7	-	-	-	-
EVMS(.)64 1-0/5.5	7.5	5.5		30	27	26,5	26	22,4	19,4	15,4	132	-	10,4	6,0	-	-	-
EVMS(.)64 2-2/7.5	10	7.5		47	42	40,5	38,3	31,8	24,5	14,3	132	-	13,6	7,9	-	-	-
EVMS(.)64 2-1/11	15	11		53	49	47	45	38	31,4	22,4	160	-	21,3	12,3	-	-	-
EVMS(.)64 2-0/15	20	15		60	55	53,5	52,5	46,5	40,5	32,7	160	-	26,2	15,2	-	-	-
EVMS(.)64 3-2/15	20	15		73	69	67	63,5	54	43,5	29,3	160	-	26,2	15,2	-	-	-
EVMS(.)64 3-1/15	20	15		79	76	74	71,5	62	52	38,9	160	-	26,2	15,2	-	-	-
EVMS(.)64 3-0/18.5	25	18.5		88	84,5	83,5	81,5	74	65	54	160	-	32,8	19,0	-	-	-
EVMS(.)64 4-2/18.5	25	18.5		108	102	99	93,5	82,5	69,5	52,5	160	-	32,8	19,0	-	-	-
EVMS(.)64 4-1/22	30	22		115	110	107	103	90,5	77	61,5	180	-	38,5	22,3	-	-	-
EVMS(.)64 4-0/22	30	22		120	115	112	109	98	86,5	72	180	-	38,5	22,3	-	-	-
EVMS(.)64 5-2/30	40	30		137	129	126	121	106	90	69	200	-	51,0	29,6	-	-	-
EVMS(.)64 5-1/30	40	30		150	137	133	128	113	98	78	200	-	51,0	29,6	-	-	-
EVMS(.)64 5-0/30	40	30		157	145	142	136	122	108	90	200	-	51,0	29,6	-	-	-
EVMS(.)64 6-2/30	40	30		170	160	155	148	129	110	84,5	200	-	51,0	29,6	-	-	-
EVMS(.)64 6-1/37	50	37		190	173	168	158	141	122	100	200	-	64,0	37,1	-	-	-
EVMS(.)64 6-0/37	50	37		197	177	172	165	150	131	108	200	-	64,0	37,1	-	-	-
EVMS(.)64 7-2/37	50	37		207	189	185	177	158	136	108	200	-	64,0	37,1	-	-	-
EVMS(.)64 7-1/37	50	37		220	197	192	184	165	144	118	200	-	64,0	37,1	-	-	-
EVMS(.)64 7-0/45	60	45		229	207	202	192	175	153	127	225	-	77,0	44,5	-	-	-
EVMS(.)64 8-2/45	60	45		240	220	215	205	184	160	127	225	-	77,0	44,5	-	-	-
EVMS(.)64 8-1/45	60	45		249	228	223	213	191	166	136	225	-	77,0	44,5	-	-	-

## Model configuration

Cartridge shaft seal	Max. working pressure [bar]	EVMS (AISI 304) EVMSL (AISI 316) *		EVMSG in cast iron	
		Loose flange (LF)	Round flange (F)	Loose flange (LF)	Round flange (F)
Unbalanced SiC/Carbon EPDM	Q,BEG	16		page 189	page 189
Balanced SiC/Carbon EPDM	HQ,BEG	25		16 bar: o 25 bar: page 189	16 bar: o 25 bar: page 189
Balanced SiC+g/SiC EPDM	HQ <sub>g</sub> Q,BEG	25		o	o
Unbalanced SiC/Carbon FPM	Q,BVG	16		o	o
Balanced SiC/Carbon FPM	HQ,BVG	25		o	o
Balanced SiC+g/SiC FPM	HQ <sub>g</sub> Q,BVG	25		o	o

o On request, please contact our sales network.

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

# EVMS(G) 64

Vertical multistage pumps



## EVMS - Loose flange (LF)



DNA  
DNM  
Ø100

Code  
3 x 230/400/690V

## EVMSG - Round flange (F)



DNA  
DNM  
Ø100

Code  
3 x 230/400/690V

Model	HP	kW	Max. working pressure [bar]	
EVMS(.)64 1-1/4.0	5.5	4.0	16	27351201014
EVMS(.)64 1-0/5.5	7.5	5.5	16	27351200014
EVMS(.)64 2-2/7.5	10	7.5	16	27351202024
EVMS(.)64 2-1/11	15	11	16	27351201024
EVMS(.)64 2-0/15	20	15	16	27351200024
EVMS(.)64 3-2/15	20	15	16	27351202034
EVMS(.)64 3-1/15	20	15	16	27351201034
EVMS(.)64 3-0/18.5	25	18.5	16	27351200034
EVMS(.)64 4-2/18.5	25	18.5	16	27351202044
EVMS(.)64 4-1/22	30	22	16	27351201044
EVMS(.)64 4-0/22	30	22	16	27351200044
EVMS(.)64 5-2/30	40	30	16	27351202054
EVMS(.)64 5-1/30	40	30	16	27351201054
EVMS(.)64 5-0/30	40	30	16	27351200054
EVMS(.)64 6-2/30	40	30	25	27351242064
EVMS(.)64 6-1/37	50	37	25	27351241064
EVMS(.)64 6-0/37	50	37	25	27351240064
EVMS(.)64 7-2/37	50	37	25	27351242074
EVMS(.)64 7-1/37	50	37	25	27351241074
EVMS(.)64 7-0/45	60	45	25	27351240074
EVMS(.)64 8-2/45	60	45	25	27351242084
EVMS(.)64 8-1/45	60	45	25	27351241084

16 bar: Unbalanced SiC/Carbon EPDM (Q;BEG)

25 bar: Balanced SiC/Carbon EPDM (HQ;BEG)

# EVMS(L)(G) 90

Vertical multistage pumps

Selection table

Model Three phase 400/690V	HP	kW	Q=Flow rate									Motor size	Abs. Curr.	
			I/min	0	750	1000	1200	1400	1600	1800	2000		[A]	3~
			m³/h	0	45	60	72	84	96	108	120		400V	690V
EVMS(.)90 1-1/5.5	7.5	5.5		26,7	20,9	19,6	18,2	15,9	12,7	9,2	5,4	132	10,4	6,0
EVMS(.)90 1-0/7.5	10	7.5		35,8	28,1	25,1	22,9	20,9	18,4	14,8	11	132	13,6	7,9
EVMS(.)90 2-2/11	15	11		53,5	42	39,2	36,3	31,7	25,5	18,3	10,7	160	21,3	12,3
EVMS(.)90 2-0/15	20	15		69	56,5	51	47	43,5	38,6	32,2	25,4	160	26,2	15,2
EVMS(.)90 3-2/18,5	25	18,5		86,5	70	65,5	61	54,5	46	36	25,5	160	32,8	19,0
EVMS(.)90 3-0/22	30	22		103	88	81,5	76	70	63,5	54,5	45	180	38,5	22,3
EVMS(.)90 4-2/30	40	30		124	102	95	88	79,5	68,5	55,5	41,5	200	51,0	29,6
EVMS(.)90 4-0/30	40	30		138	117	108	101	93,5	84,5	73	60	200	51,0	29,6
EVMS(.)90 5-2/37	50	37		161	133	124	116	105	92,5	76	58,5	200	64,0	37,1
EVMS(.)90 5-0/37	50	37		171	149	139	130	121	110	96,5	82	200	64,0	37,1
EVMS(.)90 6-2/45	60	45		193	163	152	142	130	115	96,5	77,5	225	77,0	44,5
EVMS(.)90 6-0/45	60	45		205	179	167	156	145	132	115	98,5	225	77,0	44,5

## Model configuration

Cartridge shaft seal	Max. working pressure [bar]	EVMS (AISI 304) EVMSL (AISI 316) *		EVMSG in cast iron
		Loose flange (LF)	Round flange (F)	
Unbalanced SiC/Carbon EPDM	Q,BEG	16	page 191	page 191
Balanced SiC/Carbon EPDM	HQ,BEG	25	16 bar: o 25 bar: page 191	16 bar: o 25 bar: page 191
Balanced SiC+g/SiC EPDM	HQ <sub>g</sub> Q <sub>1</sub> EG	25	o	o
Unbalanced SiC/Carbon FPM	Q,BVG	16	o	o
Balanced SiC/Carbon FPM	HQ,BVG	25	o	o
Balanced SiC+g/SiC FPM	HQ <sub>g</sub> Q <sub>1</sub> VG	25	o	o

o On request, please contact our sales network.

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

# EVMS(G) 90

Vertical multistage pumps



## EVMS - Loose flange (LF)



DNA  
DNM  
Ø100

Code  
3 x 400/690V

## EVMSG - Round flange (F)



DNA  
DNM  
Ø100

Code  
3 x 400/690V

Model	HP	kW	Max. working pressure [bar]	
EVMS(.)90 1-1/5.5	7.5	5.5	16	27451201014
EVMS(.)90 1-0/7.5	10	7.5	16	27451200014
EVMS(.)90 2-2/11	15	11	16	27451202024
EVMS(.)90 2-0/15	20	15	16	27451200024
EVMS(.)90 3-2/18.5	25	18.5	16	27451202034
EVMS(.)90 3-0/22	30	22	16	27451200034
EVMS(.)90 4-2/30	40	30	16	27451202044
EVMS(.)90 4-0/30	40	30	16	27451200044
EVMS(.)90 5-2/37	50	37	25	27451242054
EVMS(.)90 5-0/37	50	37	25	27451240054
EVMS(.)90 6-2/45	60	45	25	27451242064
EVMS(.)90 6-0/45	60	45	25	27451240064

16 bar: Unbalanced SiC/Carbon EPDM (Q:BEG)

25 bar: Balanced SiC/Carbon EPDM (HQ:BEG)

# EVMSG 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

## Materials

**Pump body** Cast iron

**Impeller** AISI 304 (EN 1.4301)

**Shaft** AISI 304 (EN 1.4301)

**Mechanical seal**

Q <sub>1</sub> BEG	- Unbalanced SiC/Carbon EPDM
HQ <sub>1</sub> BEG	- Balanced SiC/Carbon EPDM
HQ <sub>g</sub> Q <sub>1</sub> EG	- Balanced SiC+g/SiC EPDM
Q <sub>1</sub> BVG	- Unbalanced SiC/Carbon FPM
HQ <sub>1</sub> BVG	- Balanced SiC/Carbon FPM
HQ <sub>g</sub> Q <sub>1</sub> VG	- Balanced SiC+g/SiC FPM

**Motor support** Cast iron

## Technical data

<b>Max. working pressure</b>	16 bar for oval flanged version (N) 25 bar for the rest of the range
<b>Max. temperature of the liquid (clear water)</b>	-30°C ÷ 140°C
<b>MEI</b>	> 0,7
<b>Poles</b>	2
<b>Insulation class</b>	F (temperature rise class B)
<b>Protection degree</b>	IP55
<b>Voltage</b>	Inverter Single phase 1~230V Inverter Three phase 3~400V

## Accessories



### Counterflanges kit

Page 448 - Galvanized, AISI 304 and AISI 316 counterflanges kit

# EVMSG with E-drive

Electric 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]	
				I/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]																
EVMSG3 8N5/0,75 ETM EDM	1547501601	1	0,75		56,5	54,5	51,5	44	33,4	-	-		15	G1	29,5	
EVMSG3 9N5/1,1 ETM EDM	1547501602	1,5	1,1		63,5	61	58	49	37,6	-	-		15	G1	31,5	
EVMSG5 6N5/1,5 ETM EDM	1547501603	2	1,5		-	-	54	51	48	41,5	30,6		15	G1½	33,5	
EVMSG5 7N5/1,5 ETM EDM	1547501604	2	1,5		-	-	63	59,5	56	48,5	35,7		15	G1½	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]	
				I/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]																
EVMSG5 6N5/1,5 ETM EDT	1547501605	2	1,5		54	51	48	41,5	30,6	-	-		10,0	G1½	34,0	
EVMSG5 7N5/1,5 ETM EDT	1547501606	2	1,5		63	59,5	56	48,5	35,7	-	-		10,0	G1½	34,5	
EVMSG10 5N5/2,2 ETM EDT	1547501607	3	2,2		-	53	52	49,3	46,7	41,5	37,3		10,0	G1½	44,7	
EVMSG10 6N5/2,2 ETM EDT	1547501608	3	2,2		-	63,5	62,5	59	56	50	45		10,0	G1½	45,5	
EVMSG10 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

# 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 1, 2, 3 sensors

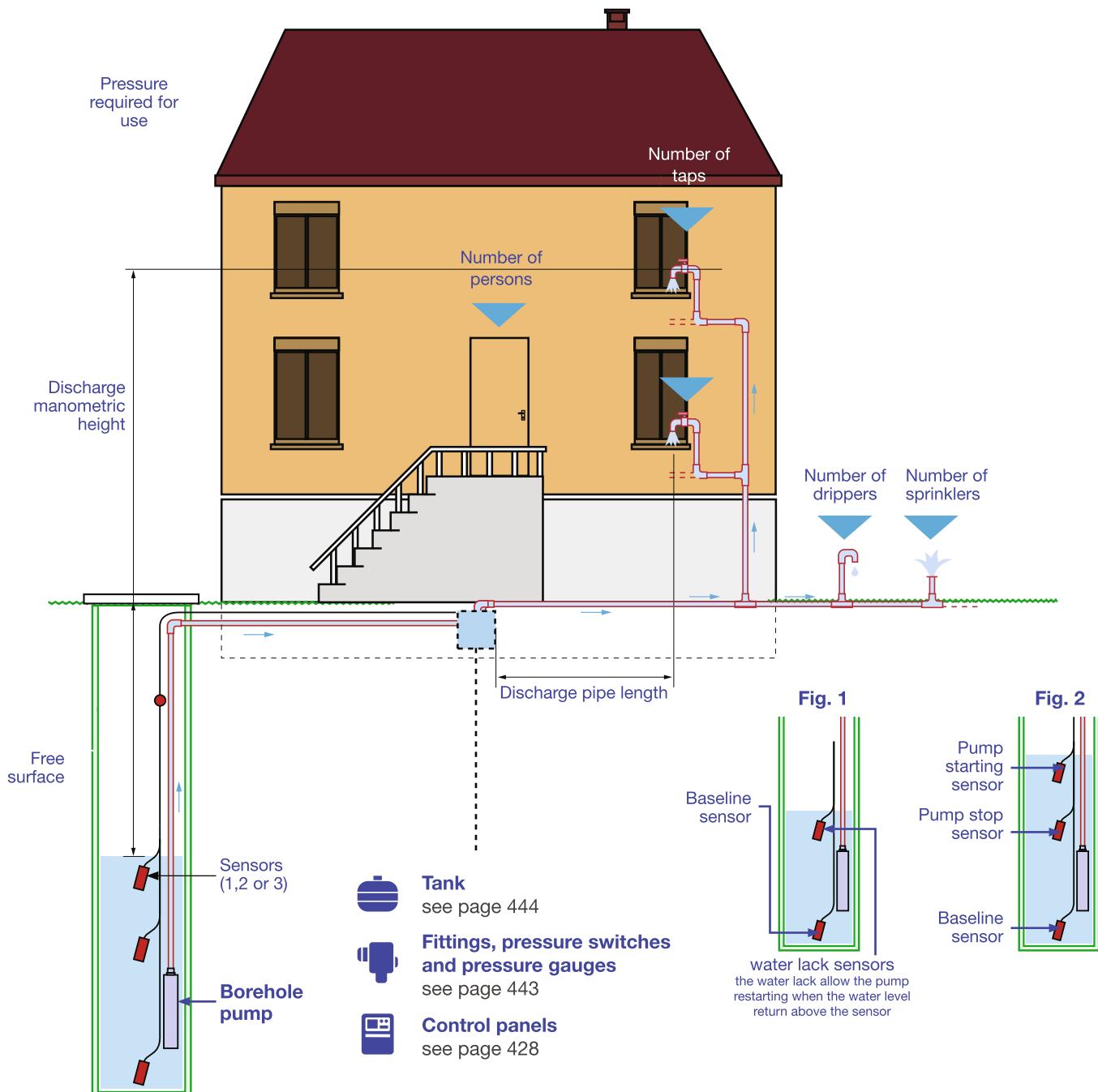
#### Thermal protection

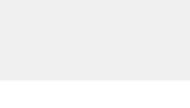
Our control panel ensure a right thermal protection

#### 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 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).

BOREHOLE



	<b>SB3</b>	<b>196</b>
	3" borehole centrifugal pumps (hydraulic only)	
	<b>WINNER 4N</b>	<b>198</b>
	4" borehole centrifugal pumps	
	<b>4WN</b>	<b>209</b>
	4" borehole centrifugal pumps	
	<b>4BHS</b>	<b>224</b>
	4" borehole centrifugal pumps completely in AISI 304 stainless steel (hydraulic only)	
	<b>IDROGO</b>	<b>228</b>
	5" borehole or open-well pumps	
	<b>SF6</b>	<b>231</b>
	6" borehole centrifugal pumps completely in AISI 304 (hydraulic only)	
	<b>6BHE(L)</b>	<b>236</b>
	6" borehole centrifugal pumps in AISI 304 and AISI 316 stainless steel (hydraulic only)	
	<b>8BHE(L)</b>	<b>254</b>
	8" borehole centrifugal pumps in AISI 304 and AISI 316 stainless steel (hydraulic only)	
	<b>MOTORS</b>	<b>258</b>
	3"-4"-6"-8" borehole motors	
	<b>CABLE SELECTION</b>	<b>268</b>

# 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 useSuitable for  
horizontal  
operation

SB3

### Technical data

**Max. immersion** 60 m

**Max. temperature of  
the liquid  
(clear water)** 30°C

**Max. sand content** 50 ppm

**Poles** 2

**Insulation class** F

**Protection degree** IP 58

**Voltage** Single phase 1~230V ±6-10%  
Three phase 3~400V ±6-10%

Permanent split capacitor built in overload motor protector with automatic reset.  
The three phase version does not have an internal motor protector, therefore  
overload protection must be provided by the user.

### Materials

<b>External casing</b>	AISI 304 (EN 1.4301)
<b>Impeller</b>	PPO reinforced with fibreglass
<b>Shaft</b>	AISI 430F (EN 1.4105)
<b>Discharge casing</b>	AISI 304 (EN 1.4301)
<b>Motor connection</b>	AISI 304 (EN 1.4301)

### Accessories



#### Capacitors

Page 449 - Capacitors 450V



#### Floats

Page 443 - Key floats with counterweight



#### Control systems

Page 431 - Presscomfort

Pressure regulator

Page 432 - Servopress

Pressure regulator

Page 430 - E-power

Variable speed control systems

Page 426 - E-SPD

Variable speed control systems

Page 428 - E-drive

Variable speed control systems

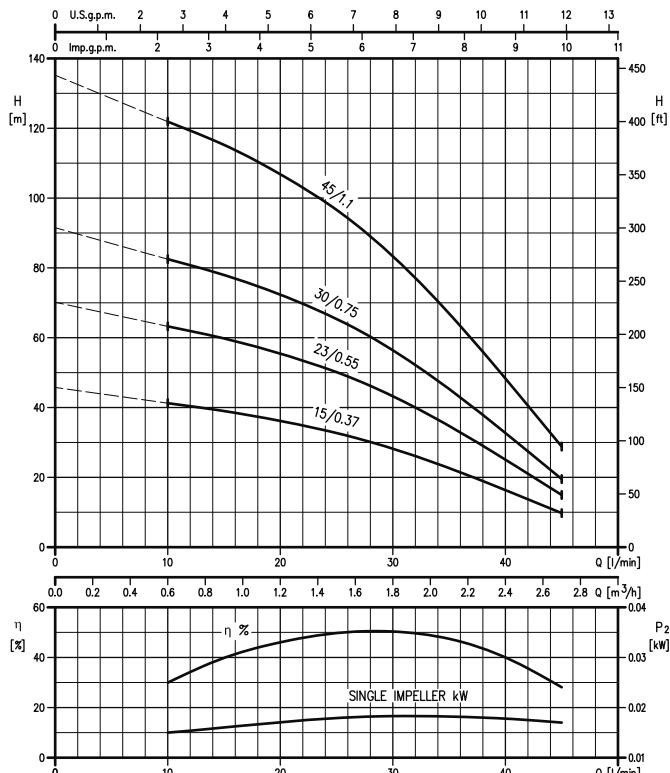
Page 424 - Control panels

SMART EVO 1-2

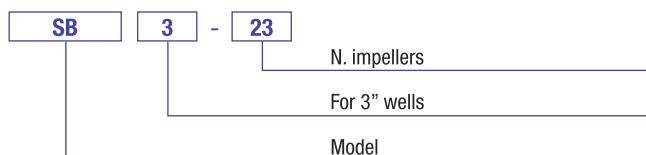
# SB3



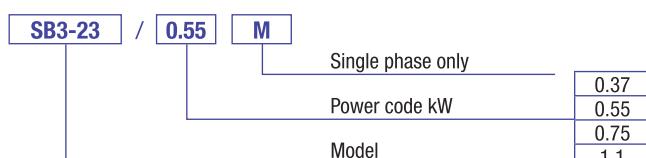
3" borehole centrifugal pumps (hydraulic only)



## Identification code - Pump without motor



## Identification code - Pump with motor



## Selection table

Model	HP	kW	Q=Flow rate									
			I/min	0	10	15	20	25	30	35	40	
			m <sup>3</sup> /h	0	0,6	0,9	1,2	1,5	1,8	2,1	2,7	
H=Total head [m]												
SB3-15	0,5	0,37		46	41,5	39,0	36,2	32,7	28,2	22,7	16,5	9,8
SB3-23	0,75	0,55		70,5	63,5	60,0	55,5	50,0	43,5	34,7	25,1	15,0
SB3-30	1	0,75		91,5	82,5	78,0	72,5	65,5	56,5	45,5	32,7	19,5
SB3-45	1,5	1,1		135,5	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] Only Hydraulic	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] 400V	DNM	Weight [kg] Only Hydraulic	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

# 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 useSuitable for  
horizontal  
operation

## Accessories



### Cables

Page 449 - **Quadripolar cables**

### Capacitors

Page 449 - **Capacitors 450V**

### Floats

Page 443 - **Key floats with counterweight**

### Control systems

Page 431 - **Presscomfort**

Pressure regulator

Page 432 - **Servopress**

Pressure regulator

Page 430 - **E-power**

Variable speed control systems

Page 426 - **E-SPD**

Variable speed control systems

Page 428 - **E-drive**

Variable speed control systems

Page 424 - **Control panels**

SMART EVO 1-2



### Cooling sleeve

Page 450 - **Cooling sleeve  
for 4" borehole pumps**

## Technical data

<b>Max. immersion</b>	350 m (water filled motor) 150 m (oil filled motor)
<b>Max. temperature of the liquid (clear water)</b>	40°C (depends on max. motor temperature)
<b>Max. sand content</b>	50 ppm
<b>Poles</b>	2
<b>Insulation class</b>	F (OY), B (WY)
<b>Protection degree</b>	IP 68
<b>Voltage</b>	Single phase 1~230V ±10% OYM Three phase 3~380-415V ±10% OY Single phase 1~230V -10%+6% WYM Three phase 3~380-415V -10%+6% WY Three phase 3~400V -10%+6% WY

The pump does not have an internal motor protector, therefore overload protection must be provided by the user.

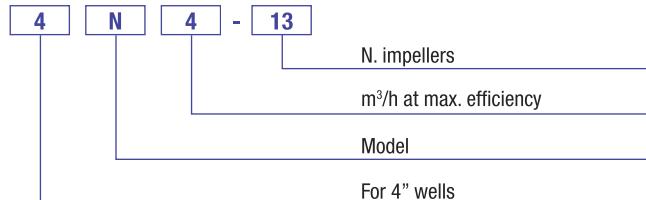
## Materials

<b>External casing</b>	AISI 304 (EN 1.4301)
<b>Impeller</b>	Ixef® for 4N1 - 4N2 - 4N4 - 4N7, PC reinforced with fibreglass for 4N10, 4N15
<b>Shaft</b>	AISI 304 (EN 1.4301)
<b>Discharge casing</b>	ASTM CF8
<b>Motor connection</b>	AISI 304 (EN 1.4301)

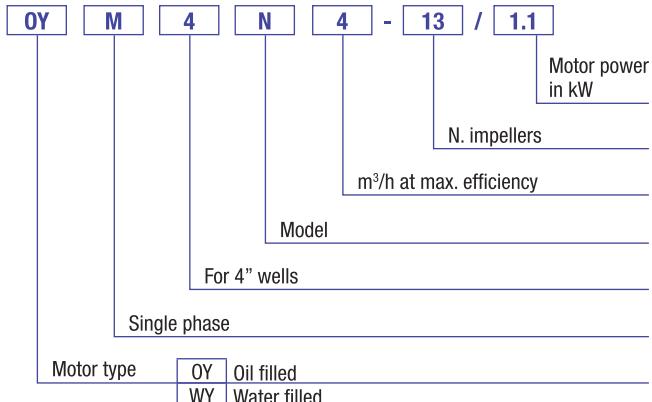
# WINNER 4N

4" borehole centrifugal pumps

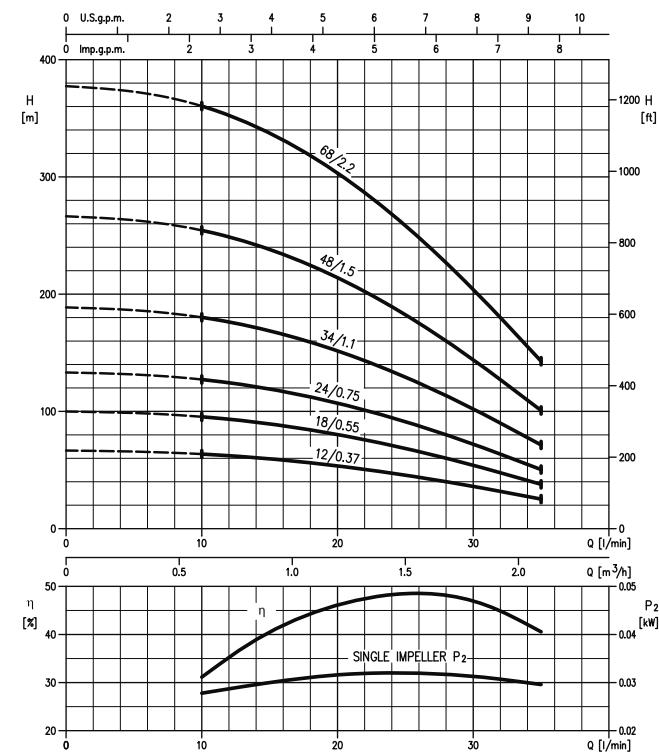
## Identification code - Pump without motor



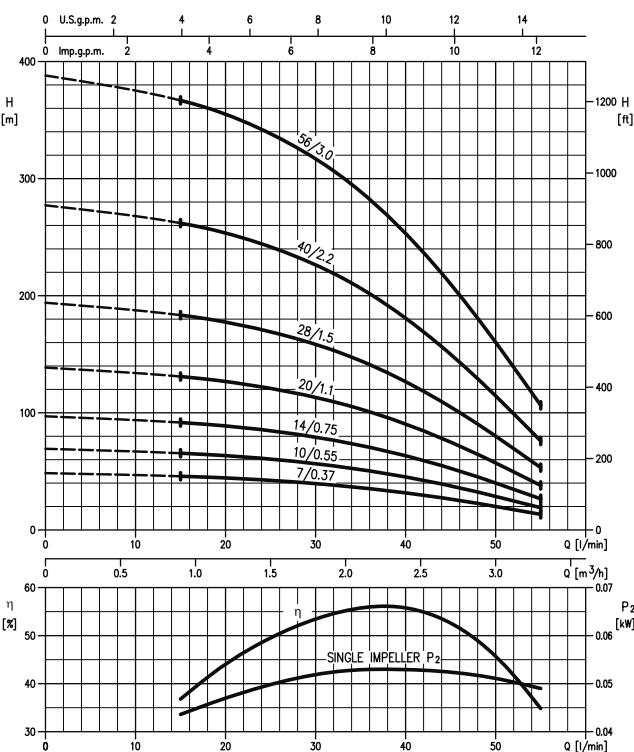
## Identification code - Pump with motor



## WINNER 4N1



## WINNER 4N2



# WINNER 4N

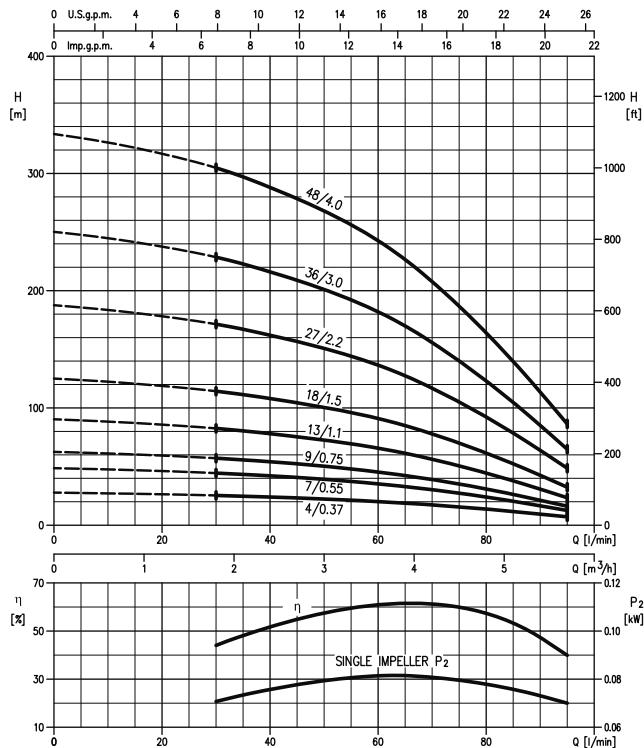
4" borehole centrifugal pumps



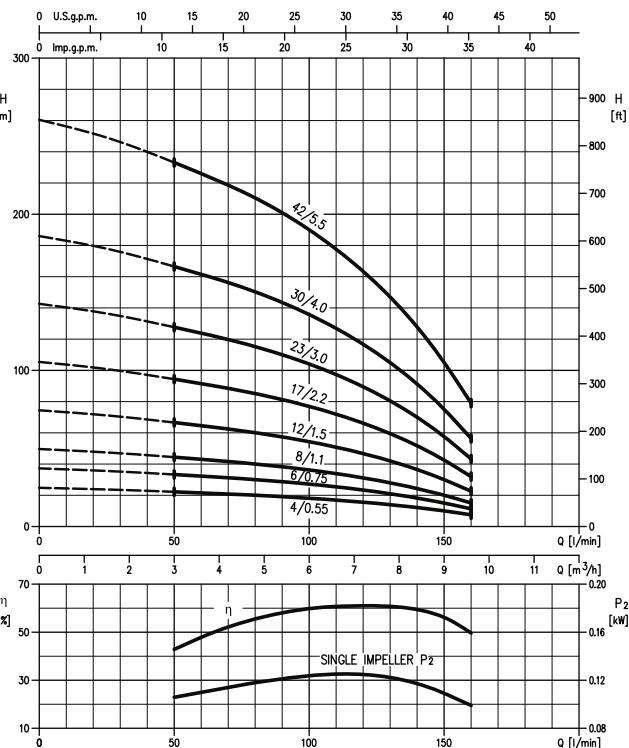
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prodotto conforme  
D.M. 174/2004



## WINNER 4N4

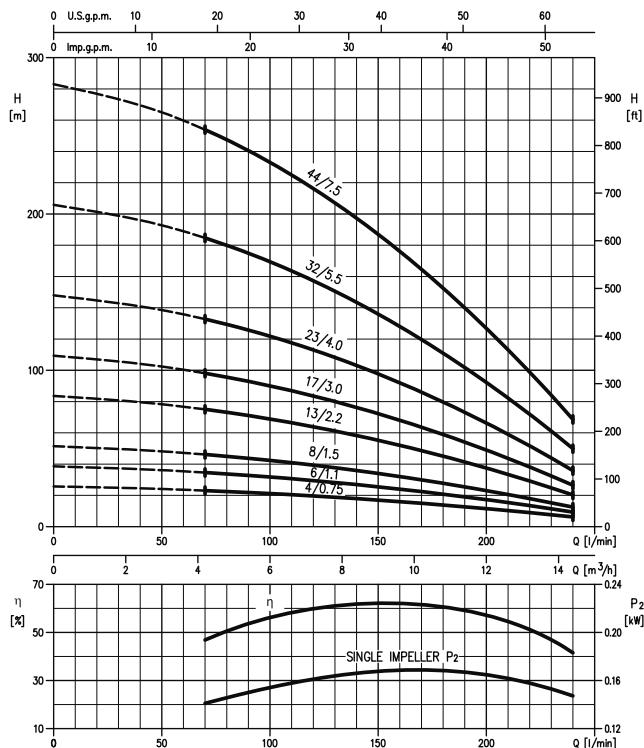


## WINNER 4N7

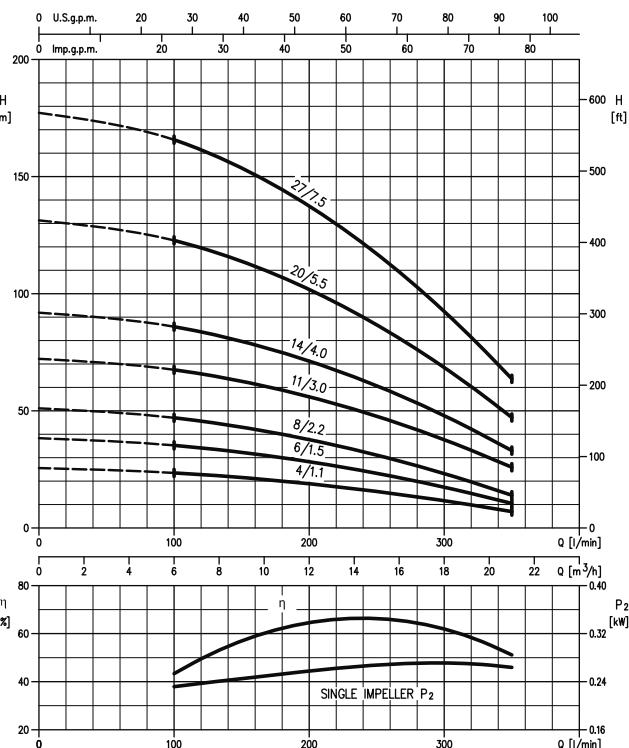


## WINNER 4N

## WINNER 4N10



## WINNER 4N15



# WINNER 4N

4" borehole centrifugal pumps



## Selection table

Model	HP	kW	Q=Flow rate											
			I/min	0	10	15	20	25	30	35	45	55	75	95
			m³/h	0	0,6	0,9	1,2	1,5	1,8	2,1	2,7	3,3	4,5	5,7
WINNER 4N1A-12	0,5	0,37		66,5	63,5	59,5	53,5	45,5	36,0	25,2	-	-	-	-
WINNER 4N1A-18	0,75	0,55		100,0	95,5	89,5	80,5	68,5	54,0	37,8	-	-	-	-
WINNER 4N1A-24	1	0,75		133,0	127,0	119,0	107,0	91,0	72,0	50,5	-	-	-	-
WINNER 4N1A-34	1,5	1,1		189,0	180,0	169,0	152,0	129,0	102,0	71,5	-	-	-	-
WINNER 4N1A-48	2	1,5		266,0	254,0	238,0	214,0	182,0	144,0	101,0	-	-	-	-
WINNER 4N1A-68	3	2,2		377,0	360,0	337,0	303,0	258,0	204,0	142,0	-	-	-	-
WINNER 4N2A-7	0,5	0,37		48,5	-	46,0	44,5	42,5	39,6	36,1	26,2	13,3	-	-
WINNER 4N2A-10	0,75	0,55		69,3	-	65,5	63,5	60,5	56,5	51,5	37,5	19,0	-	-
WINNER 4N2A-14	1	0,75		97,0	-	91,5	89,0	84,5	79,0	72,0	52,5	26,6	-	-
WINNER 4N2A-20	1,5	1,1		139,0	-	131,0	127,0	121,0	113,0	103,0	75,0	38,0	-	-
WINNER 4N2A-28	2	1,5		194,0	-	183,0	178,0	169,0	158,0	144,0	105,0	53,0	-	-
WINNER 4N2A-40	3	2,2		277,0	-	262,0	254,0	242,0	226,0	206,0	150,0	76,0	-	-
WINNER 4N2A-56	4	3		388,0	-	367,0	355,0	338,0	317,0	289,0	210,0	106,0	-	-
WINNER 4N4A-4	0,5	0,37		27,8	-	-	-	-	25,4	24,8	23,2	21,4	15,5	7,2
WINNER 4N4A-7	0,75	0,55		48,7	-	-	-	-	44,45	43,33	40,6	37,38	27,23	12,6
WINNER 4N4A-9	1	0,75		62,6	-	-	-	-	57,0	55,5	52,0	48,0	35,0	16,2
WINNER 4N4A-13	1,5	1,1		90,4	-	-	-	-	82,5	80,5	75,5	69,5	50,5	23,4
WINNER 4N4A-18	2	1,5		125,0	-	-	-	-	114,0	111,0	104,0	96,0	70,0	32,4
WINNER 4N4A-27	3	2,2		188,0	-	-	-	-	171,0	167,0	157,0	144,0	105,0	48,5
WINNER 4N4A-36	4	3		250,0	-	-	-	-	229,0	223,0	209,0	192,0	140,0	65,0
WINNER 4N4A-48	5,5	4		334,0	-	-	-	-	305,0	297,0	278,0	256,0	187,0	86,5

## Selection table

Model	HP	kW	Q=Flow rate											
			I/min	0	50	70	100	130	160	200	240	280	320	350
			m³/h	0	3	4,2	6	7,8	9,6	12	14,4	16,8	19,2	21
WINNER 4N7A-4	0,75	0,55		24,8	22,2	20,8	18,1	14,0	7,5	-	-	-	-	-
WINNER 4N7A-6	1	0,75		37,2	33,3	31,2	27,1	21,0	11,3	-	-	-	-	-
WINNER 4N7A-8	1,5	1,1		49,5	44,5	41,5	36,2	28,0	15,0	-	-	-	-	-
WINNER 4N7A-12	2	1,5		74,5	66,5	62,5	54,5	42,0	22,6	-	-	-	-	-
WINNER 4N7A-17	3	2,2		105,0	94,5	88,5	77,0	59,5	32,0	-	-	-	-	-
WINNER 4N7A-23	4	3		143,0	128,0	120,0	104,0	80,5	43,5	-	-	-	-	-
WINNER 4N7A-30	5,5	4		186,0	166,0	156,0	136,0	105,0	56,5	-	-	-	-	-
WINNER 4N7A-42	7,5	5,5		260,0	233,0	219,0	190,0	147,0	79,0	-	-	-	-	-
WINNER 4N10-4	1	0,75		25,7	-	23,1	21,2	18,8	16,0	11,5	6,2	-	-	-
WINNER 4N10-6	1,5	1,1		38,6	-	34,6	31,8	28,2	24,0	17,3	9,4	-	-	-
WINNER 4N10-8	2	1,5		51,5	-	46,2	42,5	37,7	32,0	23,1	12,5	-	-	-
WINNER 4N10-13	3	2,2		83,5	-	75,0	69,0	61,0	52,0	37,5	20,3	-	-	-
WINNER 4N10-17	4	3		109,0	-	98,0	90,0	80,0	68,0	49,0	26,5	-	-	-
WINNER 4N10-23	5,5	4		148,0	-	133,0	122,0	108,0	92,0	66,5	35,8	-	-	-
WINNER 4N10-32	7,5	5,5		206,0	-	185,0	170,0	151,0	128,0	92,0	50,0	-	-	-
WINNER 4N10-44	10	7,5		283,0	-	254,0	233,0	207,0	176,0	127	68,5	-	-	-
WINNER 4N15-4	1,5	1,1		25,5	-	23,5	22,4	21,0	18,9	16,3	13,3	9,8	7,0	-
WINNER 4N15-6	2	1,5		38,3	-	35,3	33,6	31,5	28,3	24,4	19,9	14,7	10,5	-
WINNER 4N15-8	3	2,2		51,1	-	47,0	45,0	42,0	37,7	32,5	26,5	19,6	14,0	-
WINNER 4N15-11	4	3		72,2	-	67,5	65,0	61,5	56,0	49,5	41,9	33,2	25,9	-
WINNER 4N15-14	5,5	4		91,9	-	86,0	82,5	78,0	71,5	63,0	53,5	42,0	33,0	-
WINNER 4N15-20	7,5	5,5		131,0	-	123,0	118,0	112,0	102,0	90,0	76,0	60,5	47,0	-
WINNER 4N15-27	10	7,5		177,0	-	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		Water filled	
						OY	3~	WY	3~
WINNER 4N1A-12	3551000012A	0,5	0,37	G1½	3,7	1509050000	1509030004	1505050000	1505050004
WINNER 4N1A-18	3551000018A	0,75	0,55	G1½	4,8	1509070000	1509070004	1505090000	1505090004
WINNER 4N1A-24	3551000024A	1	0,75	G1½	5,9	1509100000	1509100004	1505100000	1505100004
WINNER 4N1A-34	3551000034A	1,5	1,1	G1½	8,0	1509110000	1509150004	1505150000	1505150004
WINNER 4N1A-48	3551000048A	2	1,5	G1½	11,8	1509150000	1509200004	1505200000	1505200004
WINNER 4N1A-68	3551000068A	3	2,2	G1½	15,0	1509220100	1509300004	1505300000	1505300004
WINNER 4N2A-7	3552000007A	0,5	0,37	G1½	3,8	1509050000	1509030004	1505050000	1505050004
WINNER 4N2A-10	3552000010A	0,75	0,55	G1½	4,1	1509070000	1509070004	1505090000	1505090004
WINNER 4N2A-14	3552000014A	1	0,75	G1½	4,4	1509100000	1509100004	1505100000	1505100004
WINNER 4N2A-20	3552000020A	1,5	1,1	G1½	5,3	1509110000	1509150004	1505150000	1505150004
WINNER 4N2A-28	3552000028A	2	1,5	G1½	6,7	1509150000	1509200004	1505200000	1505200004
WINNER 4N2A-40	3552000040A	3	2,2	G1½	10,0	1509220100	1509300004	1505300000	1505300004
WINNER 4N2A-56	3552000056A	4	3	G1½	13,0	-	1509400004	-	1505400004
WINNER 4N4A-4	3553000004A	0,5	0,37	G1½	2,4	1509050000	1509030004	1505050000	1505050004
WINNER 4N4A-7	3553000007A	0,75	0,55	G1½	3,0	1509070000	1509070004	1505090000	1505090004
WINNER 4N4A-9	3553000009A	1	0,75	G1½	3,4	1509100000	1509100004	1505100000	1505100004
WINNER 4N4A-13	3553000013A	1,5	1,1	G1½	4,3	1509110000	1509150004	1505150000	1505150004
WINNER 4N4A-18	3553000018A	2	1,5	G1½	5,4	1509150000	1509200004	1505200000	1505200004
WINNER 4N4A-27	3553000027A	3	2,2	G1½	7,3	1509220100	1509300004	1505300000	1505300004
WINNER 4N4A-36	3553000036A	4	3	G1½	11,0	-	1509400004	-	1505400004
WINNER 4N4A-48	3553000048A	5,5	4	G1½	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 258

OY: oil filled motor - WY: water filled motor

# WINNER 4N - electric pumps

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



Single phase 230V						
Model	Code	HP	kW	Abs. Curr. [A] 230V	DNM	2 Poles Weight [kg]
WINNER OYM 4N1-12/0,37	2510100000A	0,5	0,37	3,4	G1½	10,7
WINNER OYM 4N1-18/0,55	2510110000A	0,75	0,55	4,2	G1½	12,4
WINNER OYM 4N1-24/0,75	2510120000A	1	0,75	5,6	G1½	14,6
WINNER OYM 4N1-34/1,1	2510130000A	1,5	1,1	7,8	G1½	18,3
WINNER OYM 4N1-48/1,5	2510140000A	2	1,5	10,8	G1½	23,8
WINNER OYM 4N1-68/2,2	2510150000A	3	2,2	14,6	G1½	29,2
WINNER OYM 4N2-7/0,37	2510200000A	0,5	0,37	3,4	G1½	10,8
WINNER OYM 4N2-10/0,55	2510210000A	0,75	0,55	4,2	G1½	11,7
WINNER OYM 4N2-14/0,75	2510220000A	1	0,75	5,6	G1½	13,1
WINNER OYM 4N2-20/1,1	2510230000A	1,5	1,1	7,8	G1½	15,6
WINNER OYM 4N2-28/1,5	2510240000A	2	1,5	10,8	G1½	18,7
WINNER OYM 4N2-40/2,2	2510250000A	3	2,2	14,6	G1½	24,2
WINNER OYM 4N4-4/0,37	2510400000A	0,5	0,37	3,4	G1½	9,4
WINNER OYM 4N4-7/0,55	2510410000A	0,75	0,55	4,2	G1½	10,6
WINNER OYM 4N4-9/0,75	2510420000A	1	0,75	5,6	G1½	12,1
WINNER OYM 4N4-13/1,1	2510430000A	1,5	1,1	7,8	G1½	14,6
WINNER OYM 4N4-18/1,5	2510440000A	2	1,5	10,8	G1½	17,4
WINNER OYM 4N4-27/2,2	2510450000A	3	2,2	14,6	G1½	21,5
WINNER OYM 4N7-4/0,55	2510700000A	0,75	0,55	4,2	G2	10,6
WINNER OYM 4N7-6/0,75	2510710000A	1	0,75	5,6	G2	12,2
WINNER OYM 4N7-8/1,1	2510720000A	1,5	1,1	7,8	G2	14,3
WINNER OYM 4N7-12/1,5	2510730000A	2	1,5	10,8	G2	17,5
WINNER OYM 4N7-17/2,2	2510740000A	3	2,2	14,6	G2	21,3
WINNER OYM 4N10-4/0,75	2512100400	1	0,75	5,6	G2	12
WINNER OYM 4N10-6/1,1	2512100600	1,5	1,1	7,8	G2	14,4
WINNER OYM 4N10-8/1,5	2512100800	2	1,5	10,8	G2	17
WINNER OYM 4N10-13/2,2	2512101300	3	2,2	14,6	G2	21,5
WINNER OYM 4N15-4/1,1	2512150400	1,5	1,1	7,8	G2	14,1
WINNER OYM 4N15-6/1,5	2512150600	2	1,5	10,8	G2	17
WINNER OYM 4N15-8/2,2	2512150800	3	2,2	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	Abs. Curr. [A] 400V	DNM	Weight [kg]
WINNER OY 4N1-12/0,37	2510100004A	0,5	0,37	1,3	G1½	10,2
WINNER OY 4N1-18/0,55	2510110004A	0,75	0,55	1,9	G1½	11,8
WINNER OY 4N1-24/0,75	2510120004A	1	0,75	2,4	G1½	13,5
WINNER OY 4N1-34/1,1	2510130004A	1,5	1,1	3,2	G1½	16,7
WINNER OY 4N1-48/1,5	2510140004A	2	1,5	4,4	G1½	22,2
WINNER OY 4N1-68/2,2	2510150004A	3	2,2	5,8	G1½	27
WINNER OY 4N2-7/0,37	2510200004A	0,5	0,37	1,3	G1½	10,3
WINNER OY 4N2-10/0,55	2510210004A	0,75	0,55	1,9	G1½	11,1
WINNER OY 4N2-14/0,75	2510220004A	1	0,75	2,4	G1½	12
WINNER OY 4N2-20/1,1	2510230004A	1,5	1,1	3,2	G1½	14
WINNER OY 4N2-28/1,5	2510240004A	2	1,5	4,4	G1½	17,1
WINNER OY 4N2-40/2,2	2510250004A	3	2,2	5,8	G1½	22
WINNER OY 4N2-56/3,0	2510260004A	4	3	7,6	G1½	25,8
WINNER OY 4N4-4/0,37	2510400004A	0,5	0,37	1,3	G1½	8,9
WINNER OY 4N4-7/0,55	2510410004A	0,75	0,55	1,9	G1½	10
WINNER OY 4N4-9/0,75	2510420004A	1	0,75	2,4	G1½	11
WINNER OY 4N4-13/1,1	2510430004A	1,5	1,1	3,2	G1½	13
WINNER OY 4N4-18/1,5	2510440004A	2	1,5	4,4	G1½	15,8
WINNER OY 4N4-27/2,2	2510450004A	3	2,2	5,8	G1½	19,3
WINNER OY 4N4-36/3,0	2510460004A	4	3	7,6	G1½	23,8
WINNER OY 4N4-48/4,0	2510470004A	5,5	4	9,8	G1½	29,3
WINNER OY 4N7-4/0,55	2510700004A	0,75	0,55	1,9	G2	10
WINNER OY 4N7-6/0,75	2510710004A	1	0,75	2,4	G2	11,1
WINNER OY 4N7-8/1,1	2510720004A	1,5	1,1	3,2	G2	12,7
WINNER OY 4N7-12/1,5	2510730004A	2	1,5	4,4	G2	15,9
WINNER OY 4N7-17/2,2	2510740004A	3	2,2	5,8	G2	19,1
WINNER OY 4N7-23/3,0	2510750004A	4	3	7,6	G2	21,8
WINNER OY 4N7-30/4,0	2510760004A	5,5	4	9,8	G2	28,1
WINNER OY 4N7-42/5,5	2510770004A	7,5	5,5	13,5	G2	35,1
WINNER OY 4N10-4/0,75	2512100404	1	0,75	2,4	G2	10,9
WINNER OY 4N10-6/1,1	2512100604	1,5	1,1	3,2	G2	12,8
WINNER OY 4N10-8/1,5	2512100804	2	1,5	4,4	G2	15,4
WINNER OY 4N10-13/2,2	2512101304	3	2,2	5,8	G2	19,3
WINNER OY 4N10-17/3	2512101704	4	3	7,6	G2	21,9
WINNER OY 4N10-23/4	2512102304	5,5	4	9,8	G2	27
WINNER OY 4N10-32/5,5	2512103204	7,5	5,5	13,5	G2	35,6
WINNER OY 4N10-44/7,5	2512104404	10	7,5	19	G2	49,7
WINNER OY 4N15-4/1,1	2512150404	1,5	1,1	3,2	G2	12,5
WINNER OY 4N15-6/1,5	2512150604	2	1,5	4,4	G2	15,4
WINNER OY 4N15-8/2,2	2512150804	3	2,2	5,8	G2	18
WINNER OY 4N15-11/3	2512151104	4	3	7,6	G2	21
WINNER OY 4N15-14/4	2512151404	5,5	4	9,8	G2	25,8
WINNER OY 4N15-20/5,5	2512152004	7,5	5,5	13,5	G2	34,1
WINNER OY 4N15-27/7,5	2512152704	10	7,5	19	G2	50

# WINNER 4N - electric pumps

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



Single phase 230V						
Model	Code	HP	kW	Abs. Curr. [A] 230V	DNM	2 Poles Weight [kg]
WINNER WYM 4N1-12/0,37	2500100010A	0,5	0,37	3,4	G1½	10,5
WINNER WYM 4N1-18/0,55	2500110010A	0,75	0,55	4,4	G1½	12,9
WINNER WYM 4N1-24/0,75	2500120010A	1	0,75	6	G1½	16,5
WINNER WYM 4N1-34/1,1	2500130010A	1,5	1,1	7,8	G1½	19,2
WINNER WYM 4N1-48/1,5	2500140010A	2	1,5	10,5	G1½	25,8
WINNER WYM 4N1-68/2,2	2500150010A	3	2,2	15	G1½	31,4
WINNER WYM 4N2-7/0,37	2500200010A	0,5	0,37	3,4	G1½	10,6
WINNER WYM 4N2-10/0,55	2500210010A	0,75	0,55	4,4	G1½	12,2
WINNER WYM 4N2-14/0,75	2500220010A	1	0,75	6	G1½	15
WINNER WYM 4N2-20/1,1	2500230010A	1,5	1,1	7,8	G1½	16,5
WINNER WYM 4N2-28/1,5	2500240010A	2	1,5	10,5	G1½	20,7
WINNER WYM 4N2-40/2,2	2500250010A	3	2,2	15	G1½	26,4
WINNER WYM 4N4-4/0,37	2500400010A	0,5	0,37	3,4	G1½	9,2
WINNER WYM 4N4-7/0,55	2500410010A	0,75	0,55	4,4	G1½	11,1
WINNER WYM 4N4-9/0,75	2500420010A	1	0,75	6	G1½	14
WINNER WYM 4N4-13/1,1	2500430010A	1,5	1,1	7,8	G1½	15,5
WINNER WYM 4N4-18/1,5	2500440010A	2	1,5	10,5	G1½	19,4
WINNER WYM 4N4-27/2,2	2500450010A	3	2,2	15	G1½	23,7
WINNER WYM 4N7-4/0,55	2500700010A	0,75	0,55	4,4	G2	11,1
WINNER WYM 4N7-6/0,75	2500710010A	1	0,75	6	G2	14,1
WINNER WYM 4N7-8/1,1	2500720010A	1,5	1,1	7,8	G2	15,2
WINNER WYM 4N7-12/1,5	2500730010A	2	1,5	10,5	G2	19,5
WINNER WYM 4N7-17/2,2	2500740010A	3	2,2	15	G2	23,5
WINNER WYM 4N10-4/0,75	2502100410	1	0,75	6	G2	13,9
WINNER WYM 4N10-6/1,1	2502100610	1,5	1,1	7,8	G2	15,3
WINNER WYM 4N10-8/1,5	2502100810	2	1,5	10,5	G2	19
WINNER WYM 4N10-12/2,2	2502101310	3	2,2	15	G2	23,7
WINNER WYM 4N15-4/1,1	2502150410	1,5	1,1	7,8	G2	15
WINNER WYM 4N15-6/1,5	2502150610	2	1,5	10,5	G2	19
WINNER WYM 4N15-9/2,2	2502150810	3	2,2	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	Abs. Curr. [A] 400V	DNM	Weight [kg]
WINNER WY 4N1-12/0,37	2500100014A	0,5	0,37	1,3	G1½	9,5
WINNER WY 4N1-18/0,55	2500110014A	0,75	0,55	1,7	G1½	12,9
WINNER WY 4N1-24/0,75	2500120014A	1	0,75	2,2	G1½	16,5
WINNER WY 4N1-34/1,1	2500130014A	1,5	1,1	3	G1½	19,2
WINNER WY 4N1-48/1,5	2500140014A	2	1,5	4	G1½	25,8
WINNER WY 4N1-68/2,2	2500150014A	3	2,2	5,6	G1½	31,4
WINNER WY 4N2-7/0,37	2500200014A	0,5	0,37	1,3	G1½	9,6
WINNER WY 4N2-10/0,55	2500210014A	0,75	0,55	1,7	G1½	12,2
WINNER WY 4N2-14/0,75	2500220014A	1	0,75	2,2	G1½	15
WINNER WY 4N2-20/1,1	2500230014A	1,5	1,1	3	G1½	16,5
WINNER WY 4N2-28/1,5	2500240014A	2	1,5	4	G1½	20,7
WINNER WY 4N2-40/2,2	2500250014A	3	2,2	5,6	G1½	26,4
WINNER WY 4N2-56/3,0	2500260014A	4	3	7,5	G1½	31,3
WINNER WY 4N4-4/0,37	2500400014A	0,5	0,37	1,3	G1½	8,2
WINNER WY 4N4-7/0,55	2500410014A	0,75	0,55	1,7	G1½	11,1
WINNER WY 4N4-9/0,75	2500420014A	1	0,75	2,2	G1½	14
WINNER WY 4N4-13/1,1	2500430014A	1,5	1,1	3	G1½	15,5
WINNER WY 4N4-18/1,5	2500440014A	2	1,5	4	G1½	19,4
WINNER WY 4N4-27/2,2	2500450014A	3	2,2	5,6	G1½	23,7
WINNER WY 4N4-36/3,0	2500460014A	4	3	7,5	G1½	29,3
WINNER WY 4N4-48/4,0	2500470014A	5,5	4	10,6	G1½	37,4
WINNER WY 4N7-4/0,55	2500700014A	0,75	0,55	1,7	G2	11,1
WINNER WY 4N7-6/0,75	2500710014A	1	0,75	2,2	G2	14,1
WINNER WY 4N7-8/1,1	2500720014A	1,5	1,1	3	G2	15,2
WINNER WY 4N7-12/1,5	2500730014A	2	1,5	4	G2	19,5
WINNER WY 4N7-17/2,2	2500740014A	3	2,2	5,6	G2	23,5
WINNER WY 4N7-23/3,0	2500750014A	4	3	7,5	G2	27,3
WINNER WY 4N7-30/4,0	2500760014A	5,5	4	10,6	G2	36,2
WINNER WY 4N7-42/5,5	2500770014A	7,5	5,5	13,6	G2	45,9
WINNER WY 4N10-4/0,75	2502100414	1	0,75	2,2	G2	4,3
WINNER WY 4N10-6/1,1	2502100614	1,5	1,1	3	G2	5,6
WINNER WY 4N10-8/1,5	2502100814	2	1,5	4	G2	7
WINNER WY 4N10-13/2,2	2502101314	3	2,2	5,6	G2	10,3
WINNER WY 4N10-17/3	2502101714	4	3	7,5	G2	13,1
WINNER WY 4N10-23/4	2502102314	5,5	4	10,6	G2	17,2
WINNER WY 4N10-32/5,5	2502103214	7,5	5,5	13,6	G2	24,5
WINNER WY 4N10-44/7,5	2502104414	10	7,5	18,3	G2	56,5
WINNER WY 4N15-4/1,1	2502150414	1,5	1,1	3	G2	5,3
WINNER WY 4N15-6/1,5	2502150614	2	1,5	4	G2	7
WINNER WY 4N15-8/2,2	2502150814	3	2,2	5,6	G2	9
WINNER WY 4N15-11/3	2502151114	4	3	7,5	G2	12,2
WINNER WY 4N15-14/4	2502151414	5,5	4	10,6	G2	16
WINNER WY 4N15-20/5,5	2502152014	7,5	5,5	13,6	G2	23
WINNER WY 4N15-27/7,5	2502152714	10	7,5	18,3	G2	56,8

# WINNER 4N - electric pumps

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



Single phase 230V						
Model	Code	HP	kW	Abs. Curr. [A] 230V	DNM	2 Poles Weight [kg]
WINNER WYM 4N1-12/0,37	2500100000A	0,5	0,37	3,3	G1½	11,7
WINNER WYM 4N1-18/0,55	2500110000A	0,75	0,55	4,3	G1½	14
WINNER WYM 4N1-24/0,75	2500120000A	1	0,75	5,7	G1½	16,3
WINNER WYM 4N1-34/1,1	2500130000A	1,5	1,1	8,4	G1½	19,8
WINNER WYM 4N1-48/1,5	2500140000A	2	1,5	10,7	G1½	24,7
WINNER WYM 4N1-68/2,2	2500150000A	3	2,2	14,7	G1½	32,3
WINNER WYM 4N2-7/0,37	2500200000A	0,5	0,37	3,3	G1½	12,8
WINNER WYM 4N2-10/0,55	2500210000A	0,75	0,55	4,3	G1½	14,1
WINNER WYM 4N2-14/0,75	2500220000A	1	0,75	5,7	G1½	14,8
WINNER WYM 4N2-20/1,1	2500230000A	1,5	1,1	8,4	G1½	17,1
WINNER WYM 4N2-28/1,5	2500240000A	2	1,5	10,7	G1½	19,6
WINNER WYM 4N2-40/2,2	2500250000A	3	2,2	14,7	G1½	27,3
WINNER WYM 4N4-4/0,37	2500400000A	0,5	0,37	3,3	G1½	10,4
WINNER WYM 4N4-7/0,55	2500410000A	0,75	0,55	4,3	G1½	12,2
WINNER WYM 4N4-9/0,75	2500420000A	1	0,75	5,7	G1½	13,8
WINNER WYM 4N4-13/1,1	2500430000A	1,5	1,1	8,4	G1½	16,1
WINNER WYM 4N4-18/1,5	2500440000A	2	1,5	10,7	G1½	18,3
WINNER WYM 4N4-27/2,2	2500450000A	3	2,2	14,7	G1½	24,6
WINNER WYM 4N7-4/0,55	2500700000A	0,75	0,55	4,3	G2	12,2
WINNER WYM 4N7-6/0,75	2500710000A	1	0,75	5,7	G2	13,9
WINNER WYM 4N7-8/1,1	2500720000A	1,5	1,1	8,4	G2	15,8
WINNER WYM 4N7-12/1,5	2500730000A	2	1,5	10,7	G2	18,4
WINNER WYM 4N7-17/2,2	2500740000A	3	2,2	14,7	G2	24,4
WINNER WYM 4N10-4/0,75	2502100400	1	0,75	5,7	G2	13,7
WINNER WYM 4N10-6/1,1	2502100600	1,5	1,1	8,4	G2	15,9
WINNER WYM 4N10-8/1,5	2502100800	2	1,5	10,7	G2	17,9
WINNER WYM 4N10-12/2,2	2502101300	3	2,2	14,7	G2	24,6
WINNER WYM 4N15-4/1,1	2502150400	1,5	1,1	8,4	G2	15,6
WINNER WYM 4N15-6/1,5	2502150600	2	1,5	10,7	G2	17,9
WINNER WYM 4N15-9/2,2	2502150800	3	2,2	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	Abs. Curr. [A] 415V	DNM	Weight [kg]
WINNER WY 4N1-12/0,37	2500100004A	0,5	0,37	1,14	G1½	10,9
WINNER WY 4N1-18/0,55	2500110004A	0,75	0,55	1,7	G1½	12,5
WINNER WY 4N1-24/0,75	2500120004A	1	0,75	2,1	G1½	14,6
WINNER WY 4N1-34/1,1	2500130004A	1,5	1,1	2,9	G1½	18,2
WINNER WY 4N1-48/1,5	2500140004A	2	1,5	4	G1½	23
WINNER WY 4N1-68/2,2	2500150004A	3	2,2	5,8	G1½	27,6
WINNER WY 4N2-7/0,37	2500200004A	0,5	0,37	1,14	G1½	12,2
WINNER WY 4N2-10/0,55	2500210004A	0,75	0,55	1,7	G1½	13
WINNER WY 4N2-14/0,75	2500220004A	1	0,75	2,1	G1½	13,1
WINNER WY 4N2-20/1,1	2500230004A	1,5	1,1	2,9	G1½	15,5
WINNER WY 4N2-28/1,5	2500240004A	2	1,5	4	G1½	17,9
WINNER WY 4N2-40/2,2	2500250004A	3	2,2	5,8	G1½	22,6
WINNER WY 4N2-56/3,0	2500260004A	4	3	7,9	G1½	28
WINNER WY 4N4-4/0,37	2500400004A	0,5	0,37	1,14	G1½	9,6
WINNER WY 4N4-7/0,55	2500410004A	0,75	0,55	1,7	G1½	10,7
WINNER WY 4N4-9/0,75	2500420004A	1	0,75	2,1	G1½	12,1
WINNER WY 4N4-13/1,1	2500430004A	1,5	1,1	2,9	G1½	14,5
WINNER WY 4N4-18/1,5	2500440004A	2	1,5	4	G1½	16,6
WINNER WY 4N4-27/2,2	2500450004A	3	2,2	5,8	G1½	19,9
WINNER WY 4N4-36/3,0	2500460004A	4	3	7,9	G1½	26
WINNER WY 4N4-48/4,0	2500470004A	5,5	4	10,4	G1½	34
WINNER WY 4N7-4/0,55	2500700004A	0,75	0,55	1,7	G2	10,7
WINNER WY 4N7-6/0,75	2500710004A	1	0,75	2,1	G2	12,2
WINNER WY 4N7-8/1,1	2500720004A	1,5	1,1	2,9	G2	14,2
WINNER WY 4N7-12/1,5	2500730004A	2	1,5	4	G2	16,7
WINNER WY 4N7-17/2,2	2500740004A	3	2,2	5,8	G2	19,7
WINNER WY 4N7-23/3,0	2500750004A	4	3	7,9	G2	24,0
WINNER WY 4N7-30/4,0	2500760004A	5,5	4	10,4	G2	32,8
WINNER WY 4N7-42/5,5	2500770004A	7,5	5,5	12,8	G2	43,1
WINNER WY 4N10-4/0,75	2502100404	1	0,75	2,1	G2	12,0
WINNER WY 4N10-6/1,1	2502100604	1,5	1,1	2,9	G2	14,3
WINNER WY 4N10-8/1,5	2502100804	2	1,5	4	G2	16,2
WINNER WY 4N10-13/2,2	2502101304	3	2,2	5,8	G2	19,9
WINNER WY 4N10-17/3	2502101704	4	3	7,9	G2	24,1
WINNER WY 4N10-23/4	2502102304	5,5	4	10,4	G2	31,7
WINNER WY 4N10-32/5,5	2502103204	7,5	5,5	12,8	G2	43,6
WINNER WY 4N10-44/7,5	2502104404	10	7,5	17,6	G2	53,3
WINNER WY 4N15-4/1,1	2502150404	1,5	1,1	2,9	G2	14,0
WINNER WY 4N15-6/1,5	2502150604	2	1,5	4	G2	16,2
WINNER WY 4N15-8/2,2	2502150804	3	2,2	5,8	G2	18,6
WINNER WY 4N15-11/3	2502151104	4	3	7,9	G2	23,2
WINNER WY 4N15-14/4	2502151404	5,5	4	10,4	G2	30,5
WINNER WY 4N15-20/5,5	2502152004	7,5	5,5	12,8	G2	42,1
WINNER WY 4N15-27/7,5	2502152704	10	7,5	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 (clear water)** 35°C  
(Depends on max. motor temperature)

**Max. sand content** 50 g/m<sup>3</sup>

**Poles** 2

**Insulation class** F

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

**Voltage** Single phase 1~230V +6-10% OYM  
Three phase 3~400V +6-10% OY  
Single phase 1~230V ±6% WYM  
Three phase 3~400V ±6% WY

The pump does not have an internal motor protector, therefore overload protection must be provided by the user.

### Materials

<b>External casing</b>	AISI 304 (EN 1.4301)
<b>Impeller</b>	PPO reinforced with fibreglass
<b>Shaft</b>	AISI 304 (EN 1.4301)
<b>Discharge casing</b>	AISI 304 (EN 1.4301)
<b>Motor connection</b>	AISI 304 (EN 1.4301)

### Accessories



#### Cables

Page 449 - Quadripolar cables



#### Capacitors

Page 449 - Capacitors 450V



#### Floats

Page 443 - Key floats with counterweight



#### Control systems

Page 431 - Presscomfort

Pressure regulator

Page 432 - Servopress

Pressure regulator

Page 430 - E-power

Variable speed control systems

Page 426 - E-SPD

Variable speed control systems

Page 428 - E-drive

Variable speed control systems

Page 424 - Control panels

SMART EVO 1-2



#### Cooling sleeve

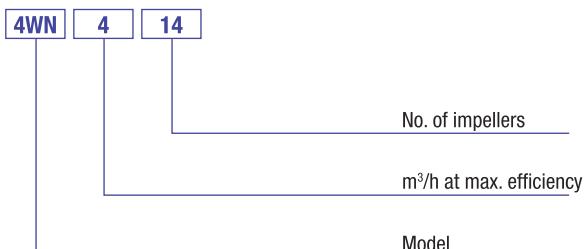
Page 450 - Cooling sleeve for 4" borehole pumps

# 4WN

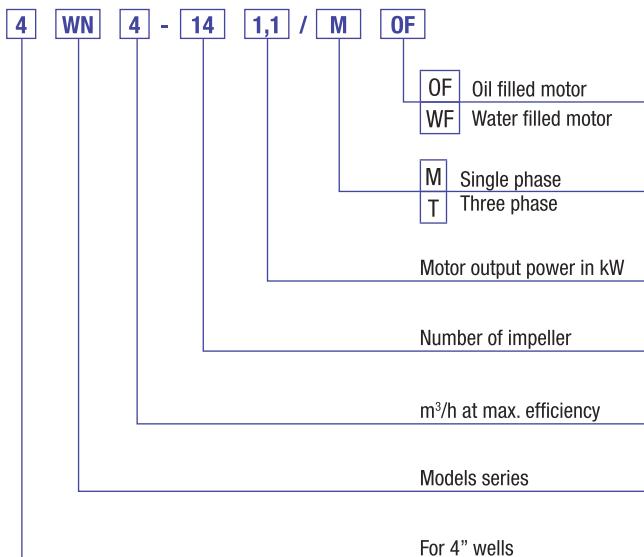
4" borehole centrifugal pumps



## Identification code - Pump without motor

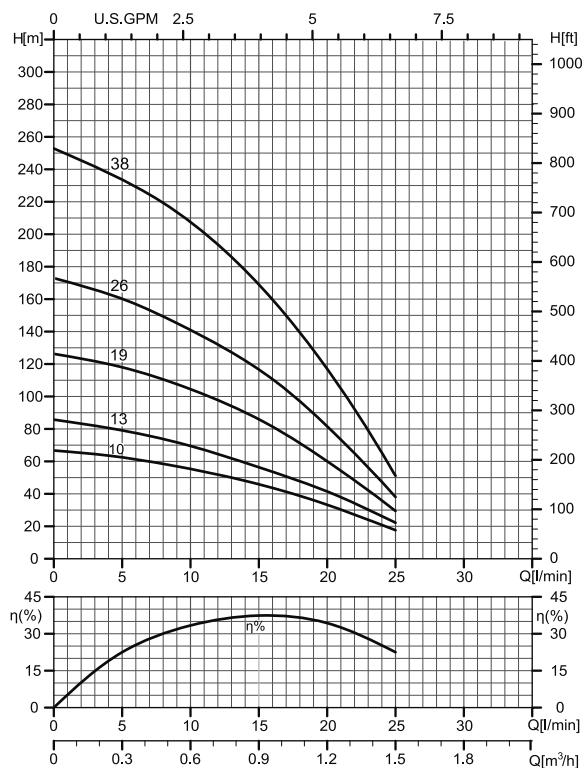


## Identification code - Pump with motor

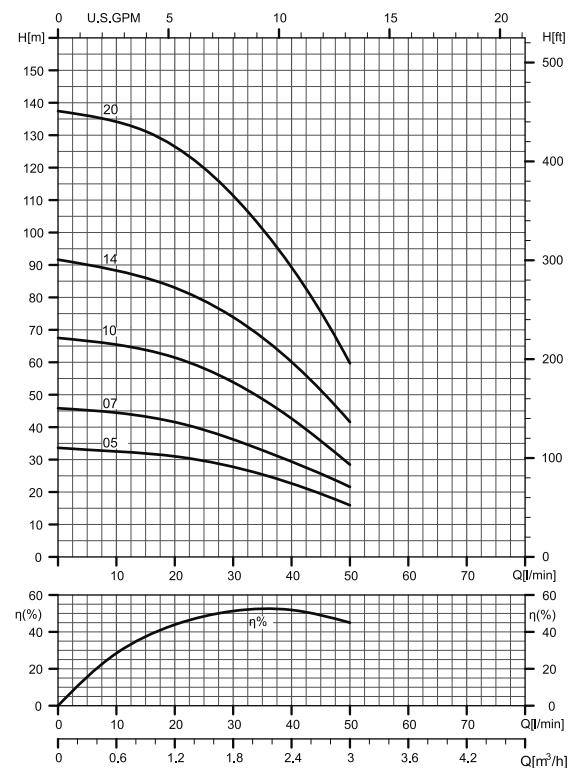


4WN

## 4WN1



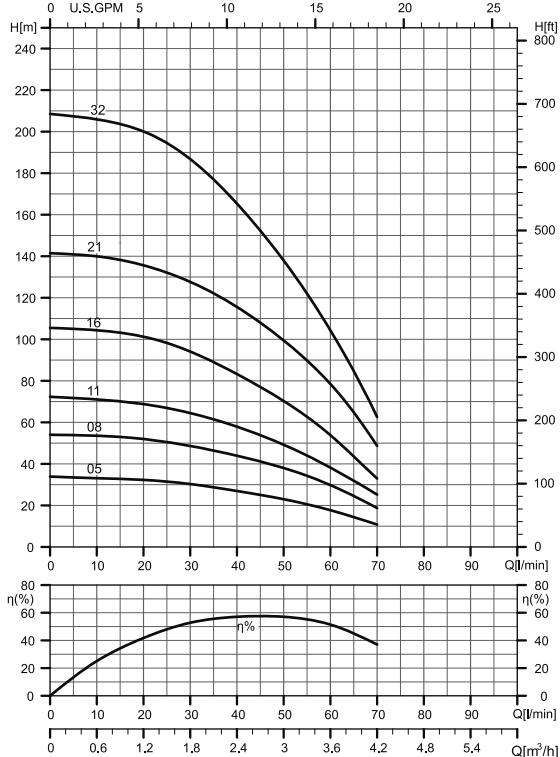
## 4WN2



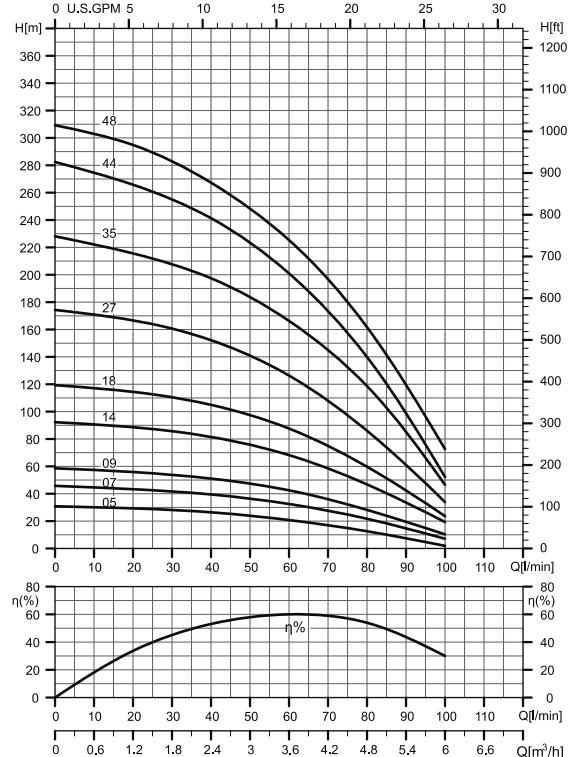
# 4WN

4" borehole centrifugal pumps

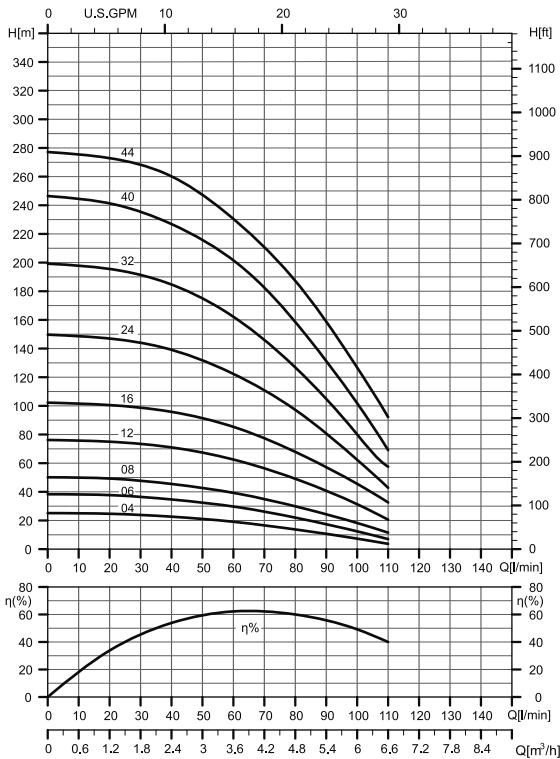
## 4WN3



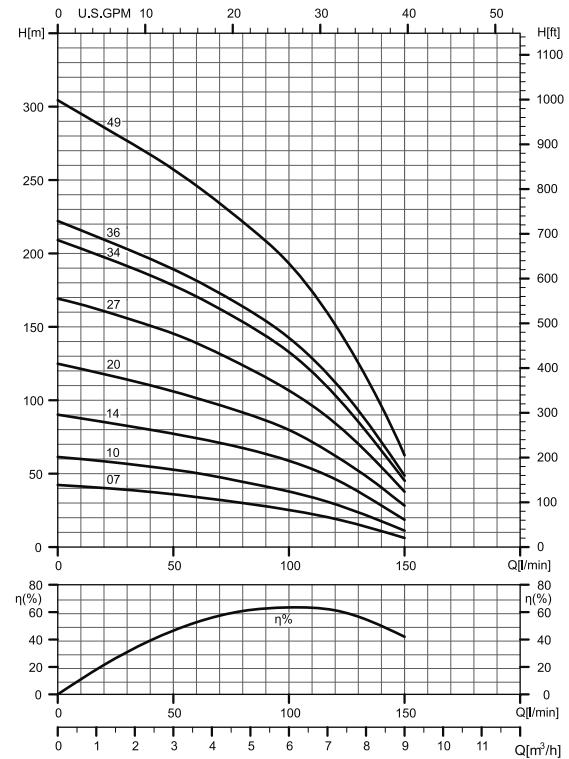
## 4WN4



## 4WN5



**4WN6** Models that do not comply with EuP Directive and their sale in EU is restricted exclusively to the kit for fire-fighting units.



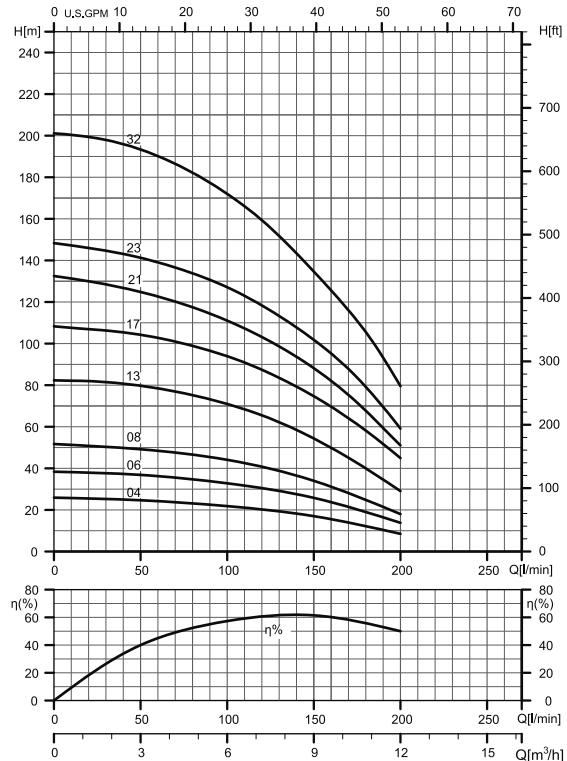
# 4WN

## 4" borehole centrifugal pumps



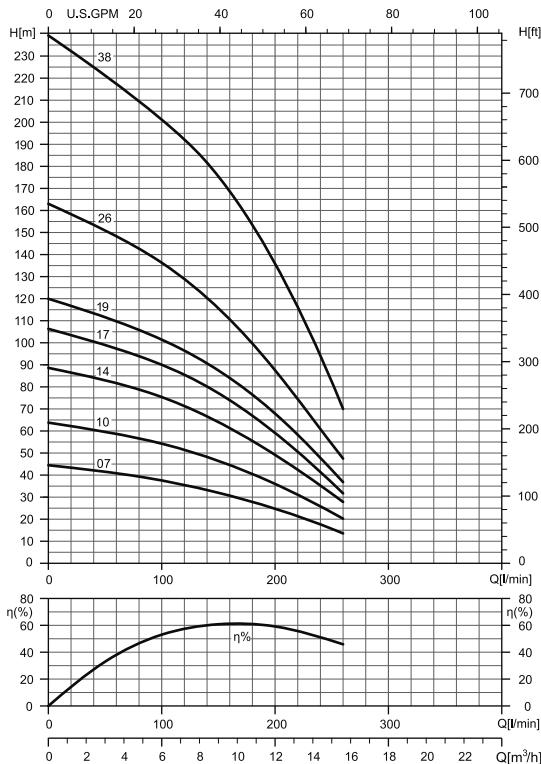
### 4WN8

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



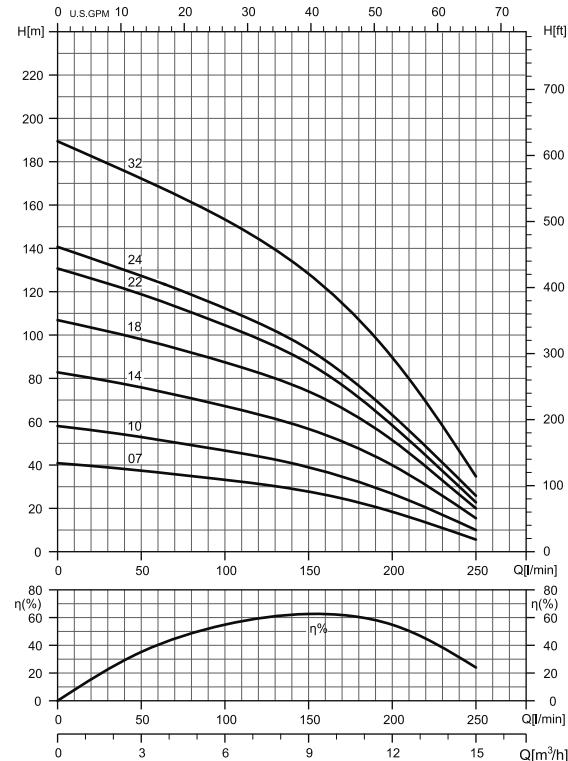
### 4WN12

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



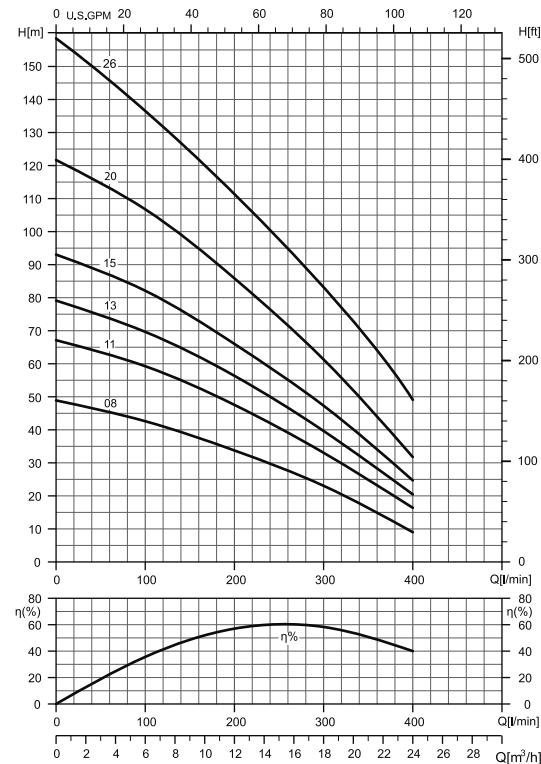
### 4WN10

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



### 4WN15

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



**Selection table**

Model	HP	kW	Q=Flow rate															
			I/min	0	5	10	15	20	25	30	35	40	45	50	60	70	80	
			m³/h	0	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
4WN1-10	0,5	0,37		67	63	55	46	33	18	-	-	-	-	-	-	-	-	-
4WN1-13	0,5	0,37		86	78	70	56	42	23	-	-	-	-	-	-	-	-	-
4WN1-19	0,75	0,55		126	118	105	86	60	30	-	-	-	-	-	-	-	-	-
4WN1-26	1	0,75		173	160	141	117	81	39	-	-	-	-	-	-	-	-	-
4WN1-38	1,5	1,1		253	234	208	169	117	52	-	-	-	-	-	-	-	-	-
4WN2-5	0,5	0,37		34	-	-	32	31	29	27	25	23	19	16	-	-	-	-
4WN2-7	0,5	0,37		46	-	-	43	42	39	36	33	29	26	22	-	-	-	-
4WN2-10	0,75	0,55		67	-	-	64	61	58	54	49	43	36	28	-	-	-	-
4WN2-14	1	0,75		92	-	-	86	83	79	74	67	60	52	42	-	-	-	-
4WN2-20	1,5	1,1		139	-	-	131	127	120	111	101	90	75	60	-	-	-	-
4WN3-5	0,5	0,37		34	-	-	-	32	31	30	29	27	25	23	18	11	-	-
4WN3-8	0,75	0,55		54	-	-	-	51	50	49	46	43	41	38	30	19	-	-
4WN3-11	1	0,75		72	-	-	-	68	66	64	61	58	54	49	38	26	-	-
4WN3-16	1,5	1,1		106	-	-	-	101	98	95	89	83	77	70	54	33	-	-
4WN3-21	2	1,5		142	-	-	-	135	132	127	122	115	108	100	79	49	-	-
4WN3-32	3	2,2		208	-	-	-	200	194	187	177	165	152	138	104	62	-	-
4WN4-5	0,5	0,37		33	-	-	-	-	29	28	27	26	25	24	21	18	13	8
4WN4-7	0,75	0,55		46	-	-	-	-	43	42	41	39	38	36	33	28	22	15
4WN4-9	1	0,75		59	-	-	-	-	55	54	52	51	49	47	43	37	28	20
4WN4-14	1,5	1,1		93	-	-	-	-	87	86	83	81	79	76	68	58	47	33
4WN4-18	2	1,5		120	-	-	-	-	113	111	108	105	102	98	88	75	60	42
4WN4-27	3	2,2		175	-	-	-	-	164	161	157	152	147	141	127	109	87	61
4WN4-35	4	3		228	-	-	-	-	212	208	203	197	191	184	166	145	119	85
4WN4-44	5	3,7		282	-	-	-	-	261	255	249	241	233	223	201	173	140	99
4WN4-48	5,5	4		309	-	-	-	-	289	283	276	267	258	248	225	197	162	120
4WN5-4	0,5	0,37		26	-	-	-	-	-	23	22	22	21	19	17	14	11	7
4WN5-6	0,75	0,55		38	-	-	-	-	-	36	35	33	32	30	26	22	18	12
4WN5-8	1	0,75		51	-	-	-	-	-	47	46	44	43	39	35	30	24	18
4WN5-12	1,5	1,1		77	-	-	-	-	-	72	71	69	68	63	57	49	41	31
4WN5-16	2	1,5		102	-	-	-	-	-	98	96	94	92	86	77	68	57	46
4WN5-24	3	2,2		151	-	-	-	-	-	142	139	136	132	122	111	97	80	62
4WN5-32	4	3		203	-	-	-	-	-	188	185	180	175	162	146	127	105	80
4WN5-40	5	3,7		253	-	-	-	-	-	232	227	222	216	202	182	159	131	102
4WN5-44	5,5	4		278	-	-	-	-	-	265	260	254	247	230	210	187	159	127

# 4WN



## 4" borehole centrifugal pumps

**Selection table**

Model	HP	kW	Q=Flow rate																						
			I/min	0	50	60	70	80	90	100	120	140	160	180	200	220	240	260	280	300	320	340	360	380	400
			m³/h	0	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
4WN6-7 *	1	0,75		42	36	34	32	30	28	25	19	11	-	-	-	-	-	-	-	-	-	-	-	-	
4WN6-10 *	1,5	1,1		62	53	51	48	45	41	38	29	18	-	-	-	-	-	-	-	-	-	-	-	-	
4WN6-14 *	2	1,5		90	77	74	71	68	63	59	46	28	-	-	-	-	-	-	-	-	-	-	-	-	
4WN6-20 *	3	2,2		125	107	102	97	92	86	80	62	40	-	-	-	-	-	-	-	-	-	-	-	-	
4WN6-27 *	4	3		169	145	139	131	123	115	107	84	55	-	-	-	-	-	-	-	-	-	-	-	-	
4WN6-34 *	5	3,7		208	178	170	162	153	143	132	103	66	-	-	-	-	-	-	-	-	-	-	-	-	
4WN6-36 *	5,5	4		221	190	181	173	164	154	143	112	72	-	-	-	-	-	-	-	-	-	-	-	-	
4WN6-49 *	7,5	5,5		302	257	246	234	222	209	193	151	96	-	-	-	-	-	-	-	-	-	-	-	-	
4WN8-4 *	1	0,75		26	-	-	-	23	22	21	20	18	16	12	9	-	-	-	-	-	-	-	-	-	
4WN8-6 *	1,5	1,1		38	-	-	-	35	34	33	31	28	24	19	14	-	-	-	-	-	-	-	-	-	
4WN8-8 *	2	1,5		52	-	-	-	47	45	44	41	37	31	25	18	-	-	-	-	-	-	-	-	-	
4WN8-13 *	3	2,2		82	-	-	-	75	73	71	66	59	50	40	30	-	-	-	-	-	-	-	-	-	
4WN8-17 *	4	3		108	-	-	-	98	96	94	87	79	70	58	46	-	-	-	-	-	-	-	-	-	
4WN8-21 *	5	3,7		132	-	-	-	117	114	111	103	93	82	68	52	-	-	-	-	-	-	-	-	-	
4WN8-23 *	5,5	4		148	-	-	-	134	131	127	118	108	95	79	60	-	-	-	-	-	-	-	-	-	
4WN8-32 *	7,5	5,5		202	-	-	-	182	178	172	160	143	125	105	80	-	-	-	-	-	-	-	-	-	
4WN10-7 *	1,5	1,1		41	-	-	-	35	34	33	32	29	26	23	18	14	8	-	-	-	-	-	-	-	
4WN10-10 *	2	1,5		58	-	-	-	49	48	47	44	41	37	32	27	20	13	-	-	-	-	-	-	-	
4WN10-14 *	3	2,2		83	-	-	-	71	69	67	63	58	54	48	40	31	20	-	-	-	-	-	-	-	
4WN10-18 *	4	3		107	-	-	-	92	90	87	83	77	70	62	52	39	26	-	-	-	-	-	-	-	
4WN10-22 *	5	3,7		131	-	-	-	110	107	104	98	91	82	71	58	45	30	-	-	-	-	-	-	-	
4WN10-24 *	5,5	4		141	-	-	-	118	116	113	106	97	88	77	63	49	33	-	-	-	-	-	-	-	
4WN10-32 *	7,5	5,5		189	-	-	-	162	157	153	144	134	122	107	90	70	47	-	-	-	-	-	-	-	
4WN12-7 *	2	1,5		45	-	-	-	-	37	36	33	31	28	25	22	18	14	-	-	-	-	-	-	-	
4WN12-10 *	3	2,2		64	-	-	-	-	54	52	48	44	41	36	32	26	20	-	-	-	-	-	-	-	
4WN12-14 *	4	3		89	-	-	-	-	76	72	67	62	56	49	43	35	28	-	-	-	-	-	-	-	
4WN12-17 *	5	3,7		107	-	-	-	-	90	86	80	74	67	59	51	42	32	-	-	-	-	-	-	-	
4WN12-19 *	5,5	4		120	-	-	-	-	102	97	91	89	76	68	58	48	37	-	-	-	-	-	-	-	
4WN12-26 *	7,5	5,5		163	-	-	-	-	136	129	120	111	100	87	75	61	48	-	-	-	-	-	-	-	
4WN12-38 *	1	7,5		239	-	-	-	-	202	192	182	168	150	133	115	95	70	-	-	-	-	-	-	-	
4WN15-8 *	3	2,2		49	-	-	-	-	-	39	38	36	34	32	30	28	25	23	20	18	15	12	9		
4WN15-11 *	4	3		67	-	-	-	-	-	55	53	50	48	45	42	39	36	33	30	27	23	20	16		
4WN15-13 *	5	3,7		79	-	-	-	-	-	65	62	59	56	53	50	47	43	40	36	32	28	24	20		
4WN15-15 *	5,5	4		93	-	-	-	-	-	76	73	70	66	62	59	55	51	47	43	39	34	29	25		
4WN15-20 *	7,5	5,5		122	-	-	-	-	-	99	95	90	86	81	76	72	67	61	56	50	44	38	32		
4WN15-26 *	1	7,5		158	-	-	-	-	-	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)



Model	Code	HP	kW	DNM	Weight [kg]	Suitable motor for coupling				2 Poles	
						Oil filled		Water filled			
						OF	3~	WF	3~		
4WN1-10	2557010010A	0,5	0,37	G1½	3,3	1509050000	1509030004	1505050000	1505050004		
4WN1-13	2557010013A	0,5	0,37	G1½	3,7	1509050000	1509030004	1505050000	1505050004		
4WN1-19	2557010019A	0,75	0,55	G1½	4,7	1509070000	1509070004	1505090000	1505090004		
4WN1-26	2557010026A	1	0,75	G1½	5,8	1509100000	1509100004	1505100000	1505100004		
4WN1-38	2557010038A	1,5	1,1	G1½	8,2	1509110000	1509150004	1505150000	1505150004		
4WN2-5	2557020005A	0,5	0,37	G1½	2,5	1509050000	1509030004	1505050000	1505050004		
4WN2-7	2557020007A	0,5	0,37	G1½	2,8	1509050000	1509030004	1505050000	1505050004		
4WN2-10	2557020010A	0,75	0,55	G1½	3,3	1509070000	1509070004	1505090000	1505090004		
4WN2-14	2557020014A	1	0,75	G1½	3,9	1509100000	1509100004	1505100000	1505100004		
4WN2-20	2557020020A	1,5	1,1	G1½	4,9	1509110000	1509150004	1505150000	1505150004		
4WN3-5	2557030005A	0,5	0,37	G1½	2,5	1509050000	1509030004	1505050000	1505050004		
4WN3-8	2557030008A	0,75	0,55	G1½	2,9	1509070000	1509070004	1505090000	1505090004		
4WN3-11	2557030011A	1	0,75	G1½	3,4	1509100000	1509100004	1505100000	1505100004		
4WN3-16	2557030016A	1,5	1,1	G1½	4,2	1509110000	1509150004	1505150000	1505150004		
4WN3-21	2557030021A	2	1,5	G1½	5,0	1509150000	1509200004	1505200000	1505200004		
4WN3-32	2557030032A	3	2,2	G1½	7,1	1509220000	1509300004	1505300000	1505300004		
4WN4-5	2557040005A	0,5	0,37	G1½	2,7	1509050000	1509030004	1505050000	1505050004		
4WN4-7	2557040007A	0,75	0,55	G1½	3,0	1509070000	1509070004	1505090000	1505090004		
4WN4-9	2557040009A	1	0,75	G1½	3,3	1509100000	1509100004	1505100000	1505100004		
4WN4-14	2557040014A	1,5	1,1	G1½	4,1	1509110000	1509150004	1505150000	1505150004		
4WN4-18	2557040018A	2	1,5	G1½	4,7	1509150000	1509200004	1505200000	1505200004		
4WN4-27	2557040027A	3	2,2	G1½	6,2	1509220000	1509300004	1505300000	1505300004		
4WN4-35	2557040035A	4	3	G1½	7,9	-	1509400004	-	1505400004		
4WN4-44	2557040044A	5	3,7	G1½	9,3	-	1509550004	-	1505550004		
4WN4-48	2557040048A	5,5	4	G1½	9,9	-	1509550004	-	1505550004		
4WN5-4	2557050004A	0,5	0,37	G1½	2,4	1509050000	1509030004	1505050000	1505050004		
4WN5-6	2557050006A	0,75	0,55	G1½	2,9	1509070000	1509070004	1505090000	1505090004		
4WN5-8	2557050008A	1	0,75	G1½	3,3	1509100000	1509100004	1505100000	1505100004		
4WN5-12	2557050012A	1,5	1,1	G1½	4,1	1509110000	1509150004	1505150000	1505150004		
4WN5-16	2557050016A	2	1,5	G1½	5,0	1509150000	1509200004	1505200000	1505200004		
4WN5-24	2557050024A	3	2,2	G1½	6,6	1509220000	1509300004	1505300000	1505300004		
4WN5-32	2557050032A	4	3	G1½	8,7	-	1509400004	-	1505400004		
4WN5-40	2557050040A	5	3,7	G1½	10,4	-	1509550004	-	1505550004		
4WN5-44	2557050044A	5,5	4	G1½	11,2	-	1509550004	-	1505550004		

See motors on page 258

# 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		Water filled	
						OF	1~ 3~	WF	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 258

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

# 4WN



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

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



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

Three phase 400V		2 Poles				
Model	Code	HP	kW	Abs. Curr. [A] 230V	DNM	Weight [kg]
4WN1-10/0,37T OF SET	2557010104	0,5	0,37	1,3	G1½	9,8
4WN1-13/0,37T OF SET	2557010134	0,5	0,37	1,3	G1½	10,2
4WN1-19/0,55T OF SET	2557010194	0,75	0,55	1,9	G1½	11,7
4WN1-26/0,75T OF SET	2557010264	1	0,75	2,4	G1½	13,4
4WN1-38/1,1T OF SET	2557010384	1,5	1,1	3,2	G1½	16,9
4WN2-5/0,37T OF SET	2557020054	0,5	0,37	1,3	G1½	9
4WN2-7/0,37T OF SET	2557020074	0,5	0,37	1,3	G1½	9,3
4WN2-10/0,55T OF SET	2557020104	0,75	0,55	1,9	G1½	10,3
4WN2-14/0,75T OF SET	2557020144	1	0,75	2,4	G1½	11,5
4WN2-20/1,1T OF SET	2557020204	1,5	1,1	3,2	G1½	13,6
4WN3-5/0,37T OF SET	2557030054	0,5	0,37	1,3	G1½	9
4WN3-8/0,55T OF SET	2557030084	0,75	0,55	1,9	G1½	9,9
4WN3-11/0,75T OF SET	2557030114	1	0,75	2,4	G1½	11
4WN3-16/1,1T OF SET	2557030164	1,5	1,1	3,2	G1½	12,9
4WN3-21/1,5T OF SET	2557030214	2	1,5	4,4	G1½	15,4
4WN3-32/2,2T OF SET	2557030324	3	2,2	5,8	G1½	19,1
4WN4-5/0,37T OF SET	2557040054	0,5	0,37	1,3	G1½	9,2
4WN4-7/0,55T OF SET	2557040074	0,75	0,55	1,9	G1½	10
4WN4-9/0,75T OF SET	2557040094	1	0,75	2,4	G1½	10,9
4WN4-14/1,1T OF SET	2557040144	1,5	1,1	3,2	G1½	12,8
4WN4-18/1,5T OF SET	2557040184	2	1,5	4,4	G1½	15,1
4WN4-27/2,2T OF SET	2557040274	3	2,2	5,8	G1½	18,2
4WN4-35/3T OF SET	2557040354	4	3	7,6	G1½	21
4WN4-44/3,7T OF SET	2557040444	5	3,7	9,8	G1½	24,9
4WN4-48/4T OF SET	2557040484	5,5	4	9,8	G1½	25,5
4WN5-4/0,37T OF SET	2557051404	0,5	0,37	1,3	G1½	8,9
4WN5-6/0,55T OF SET	2557050064	0,75	0,55	1,9	G1½	9,9
4WN5-8/0,75T OF SET	2557050084	1	0,75	2,4	G1½	10,9
4WN5-12/1,1T OF SET	2557050124	1,5	1,1	3,2	G1½	12,8
4WN5-16/1,5T OF SET	2557050164	2	1,5	4,4	G1½	15,4
4WN5-24/2,2T OF SET	2557050244	3	2,2	5,8	G1½	18,6
4WN5-32/3T OF SET	2557050324	4	3	7,6	G1½	21,8
4WN5-40/3,7T OF SET	2557050404	5	3,7	9,8	G1½	26
4WN5-44/4T OF SET	2557050444	5,5	4	9,8	G1½	26,8
4WN6-7/0,75T OF SET *	2557070074	1	0,75	2,4	2	11,3
4WN6-10/1,1T OF SET *	2557070104	1,5	1,1	3,2	2	13,3
4WN6-14/1,5T OF SET *	2557070144	2	1,5	4,4	2	16,1
4WN6-20/2,2T OF SET *	2557070204	3	2,2	5,8	2	19,5
4WN6-27/3T OF SET *	2557070274	4	3	7,6	2	22,7
4WN6-34/3,7T OF SET *	2557060344	5	3,7	9,8	2	27,2
4WN6-36/4T OF SET *	2557070364	5,5	4	9,8	2	27,8
4WN6-49/5,5T OF SET *	2557070494	7,5	5,5	13,5	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



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

Three phase 400V						2 Poles
Model	Code	HP	kW	Abs. Curr. [A] 230V	DNM	Weight [kg]
4WN8-4/0,75T OF SET *	2557130044	1	0,75	2,4	2	10,4
4WN8-6/1,1T OF SET *	2557130064	1,5	1,1	3,2	2	12,1
4WN8-8/1,5T OF SET *	2557130084	2	1,5	4,4	2	14,4
4WN8-13/2,2T OF SET *	2557130134	3	2,2	5,8	2	17,5
4WN8-17/3T OF SET *	2557130174	4	3	7,6	2	19,7
4WN8-21/3,7T OF SET *	2557130214	5	3,7	9,8	2	23,4
4WN8-23/4T OF SET *	2557130234	5,5	4	9,8	2	24
4WN8-32/5,5T OF SET *	2557130324	7,5	5,5	13,5	2	29,9
4WN10-7/1,1T OF SET *	2557100074	1,5	1,1	3,2	2	14
4WN10-10/1,5T OF SET *	2557100104	2	1,5	4,4	2	17,1
4WN10-14/2,2T OF SET *	2557100144	3	2,2	5,8	2	20,5
4WN10-18/3T OF SET *	2557100184	4	3	7,6	2	23,5
4WN10-22/3,7T OF SET *	2557100224	5	3,7	9,8	2	27,9
4WN10-24/4T OF SET *	2557100244	5,5	4	9,8	2	28,8
4WN10-32/5,5T OF SET *	2557100324	7,5	5,5	13,5	2	35,9
4WN12-7/1,5T OF SET *	2557120074	2	1,5	4,4	2	15,7
4WN12-10/2,2T OF SET *	2557120104	3	2,2	5,8	2	18,7
4WN12-14/3T OF SET *	2557120144	4	3	7,6	2	21,7
4WN12-17/3,7T OF SET *	2557120174	5	3,7	9,8	2	25,7
4WN12-19/4T OF SET *	2557120194	5,5	4	9,8	2	26,6
4WN12-26/5,5T OF SET *	2557120264	7,5	5,5	13,5	2	33,2
4WN12-38/7,5T OF SET *	2557120384	10	7,5	19	2	45,8
4WN15-8/2,2T OF SET *	2557150084	3	2,2	5,8	2	18,3
4WN15-11/3T OF SET *	2557150114	4	3	7,6	2	21,2
4WN15-13/3,7T OF SET *	2557150134	5	3,7	9,8	2	24,9
4WN15-15/4T OF SET *	2557150154	5,5	4	9,8	2	26,1
4WN15-20/5,5T OF SET *	2557150204	7,5	5,5	13,5	2	32,4
4WN15-26/7,5T OF SET *	2557150264	10	7,5	19	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



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

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



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

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



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

Three phase 400V		2 Poles				
Model	Code	HP	kW	Abs. Curr. [A] 400V	DNM	Weight [kg]
4WN8-4/0,75T WF SET *	2587130044	1	0,75	2,2	2	13,4
4WN8-6/1,1T WF SET *	2587130064	1,5	1,1	3	2	14,6
4WN8-8/1,5T WF SET *	2587130084	2	1,5	4	2	18
4WN8-13/2,2T WF SET *	2587130134	3	2,2	5,6	2	21,9
4WN8-17/3T WF SET *	2587130174	4	3	7,5	2	24,9
4WN8-21/3,7T WF SET *	2587130214	5	3,7	10,6	2	31,2
4WN8-23/4T WF SET *	2587130234	5,5	4	10,6	2	31,8
4WN8-32/5,5T WF SET *	2587130324	7,5	5,5	13,6	2	40,4
4WN10-7/1,1T WF SET *	2587100074	1,5	1,1	3	2	16,5
4WN10-10/1,5T WF SET *	2587100104	2	1,5	4	2	20,7
4WN10-14/2,2T WF SET *	2587100144	3	2,2	5,6	2	24,9
4WN10-18/3T WF SET *	2587100184	4	3	7,5	2	28,7
4WN10-22/3,7T WF SET *	2587100224	5	3,7	10,6	2	35,7
4WN10-24/4T WF SET *	2587100244	5,5	4	10,6	2	36,6
4WN10-32/5,5T WF SET *	2587100324	7,5	5,5	13,6	2	46,4
4WN12-7/1,5T WF SET *	2587120074	2	1,5	4	2	19,3
4WN12-10/2,2T WF SET *	2587120104	3	2,2	5,6	2	23,1
4WN12-14/3T WF SET *	2587120144	4	3	7,5	2	26,9
4WN12-17/3,7T WF SET *	2587120174	5	3,7	10,6	2	33,5
4WN12-19/4T WF SET *	2587120194	5,5	4	10,6	2	34,4
4WN12-26/5,5T WF SET *	2587120264	7,5	5,5	13,6	2	43,7
4WN12-38/7,5T WF SET *	2587120384	10	7,5	18,3	2	52,6
4WN15-8/2,2T WF SET *	2587150084	3	2,2	5,6	2	22,7
4WN15-11/3T WF SET *	2587150114	4	3	7,5	2	26,4
4WN15-13/3,7T WF SET *	2587150134	5	3,7	10,6	2	32,7
4WN15-15/4T WF SET *	2587150154	5,5	4	10,6	2	33,9
4WN15-20/5,5T WF SET *	2587150204	7,5	5,5	13,6	2	42,9
4WN15-26/7,5T WF SET *	2587150264	10	7,5	18,3	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				Single phase 230V 2-wire			
Model	Code	HP	kW	Model	Code	HP	kW
4WN1-10/0,37M OF 2-wire	2559101000	0,5	0,37	4WN1-10/0,37M WF 2-wire	2559191000	0,5	0,37
4WN1-13/0,37M OF 2-wire	2559101300	0,5	0,37	4WN1-13/0,37M WF 2-wire	2559191300	0,5	0,37
4WN1-19/0,55M OF 2-wire	2559101900	0,75	0,55	4WN1-19/0,55M WF 2-wire	2559191900	0,75	0,55
4WN1-26/0,75M OF 2-wire	2559102600	1	0,75	4WN1-26/0,75M WF 2-wire	2559192600	1	0,75
4WN1-38/1,1M OF 2-wire	2559103800	1,5	1,1	4WN1-38/1,1M WF 2-wire	2559193800	1,5	1,1
4WN2-5/0,37M OF 2-wire	2559200500	0,5	0,37	4WN2-5/0,37M WF 2-wire	2559290500	0,5	0,37
4WN2-7/0,37M OF 2-wire	2559200700	0,5	0,37	4WN2-7/0,37M WF 2-wire	2559290700	0,5	0,37
4WN2-10/0,55M OF 2-wire	2559201000	0,75	0,55	4WN2-10/0,55M WF 2-wire	2559291000	0,75	0,55
4WN2-14/0,75M OF 2-wire	2559201400	1	0,75	4WN2-14/0,75M WF 2-wire	2559291400	1	0,75
4WN2-20/1,1M OF 2-wire	2559202000	1,5	1,1	4WN2-20/1,1M WF 2-wire	2559292000	1,5	1,1
4WN3-5/0,37M OF 2-wire	2559300500	0,5	0,37	4WN3-5/0,37M WF 2-wire	2559390500	0,5	0,37
4WN3-8/0,55M OF 2-wire	2559300800	0,75	0,55	4WN3-8/0,55M WF 2-wire	2559390800	0,75	0,55
4WN3-11/0,75M OF 2-wire	2559301100	1	0,75	4WN3-11/0,75M WF 2-wire	2559391100	1	0,75
4WN3-16/1,1M OF 2-wire	2559301600	1,5	1,1	4WN3-16/1,1M WF 2-wire	2559391600	1,5	1,1
4WN4-5/0,37M OF 2-wire	2559400500	0,5	0,37	4WN4-5/0,37M WF 2-wire	2559490500	0,5	0,37
4WN4-7/0,55M OF 2-wire	2559400700	0,75	0,55	4WN4-7/0,55M WF 2-wire	2559490700	0,75	0,55
4WN4-9/0,75M OF 2-wire	2559400900	1	0,75	4WN4-9/0,75M WF 2-wire	2559490900	1	0,75
4WN4-14/1,1M OF 2-wire	2559401400	1,5	1,1	4WN4-14/1,1M WF 2-wire	2559491400	1,5	1,1
4WN5-4/0,37M OF 2-wire	2559500400	0,5	0,37	4WN5-4/0,37M WF 2-wire	2559590400	0,5	0,37
4WN5-6/0,55M OF 2-wire	2559500600	0,75	0,55	4WN5-6/0,55M WF 2-wire	2559590600	0,75	0,55
4WN5-8/0,75M OF 2-wire	2559500800	1	0,75	4WN5-8/0,75M WF 2-wire	2559590800	1	0,75
4WN5-12/1,1M OF 2-wire	2559501200	1,5	1,1	4WN5-12/1,1M WF 2-wire	2559591200	1,5	1,1
4WN6-7/0,75M OF 2-wire *	2559600700	1	0,75	4WN6-7/0,75M WF 2-wire *	2559690700	1	0,75
4WN6-10/1,1M OF 2-wire *	2559601000	1,5	1,1	4WN6-10/1,1M WF 2-wire *	2559691000	1,5	1,1
4WN8-4/0,75M OF 2-wire *	2559600400	1	0,75	4WN8-4/0,75M WF 2-wire *	2559690400	1	0,75
4WN8-6/1,1M OF 2-wire *	2559600600	1,5	1,1	4WN8-6/1,1M WF 2-wire *	2559690600	1,5	1,1
4WN10-7/1,1M OF 2-wire *	2559700700	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

EuP/ErP



Model	Code	2 Poles			
		HP	kW	DNM	Weight [kg]
4WN2-7/0,37M OF	2588020007	0,5	0,37	G1½	9,8
4WN2-10/0,55M OF	2588020010	0,75	0,55	G1½	10,9
4WN2-14/0,75M OF	2588020014	1	0,75	G1½	12,6
4WN2-20/1,1M OF	2588020020	1,5	1,1	G1½	15,2
4WN3-8/0,55M OF	2588030008	0,75	0,55	G1½	10,5
4WN3-11/0,75M OF	2588030011	1	0,75	G1½	12,1
4WN3-16/1,1M OF	2588030016	1,5	1,1	G1½	14,5
4WN3-21/1,5M OF	2588030021	2	1,5	G1½	17,0
4WN4-9/0,75M OF	2588040009	1	0,75	G1½	12,0
4WN4-14/1,1M OF	2588040014	1,5	1,1	G1½	14,4
4WN4-18/1,5M OF	2588040018	2	1,5	G1½	16,7
4WN5-12/1,1M OF	2588050012	1,5	1,1	G1½	14,4
4WN5-16/1,5M OF	2588050016	2	1,5	G1½	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 diffusor. 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

4BHS

## Materials

External casing	AISI 304 (EN 1.4301)
Impeller	AISI 304 (EN 1.4301)
Shaft	AISI 316 (EN 1.4401)
Discharge casing	AISI 304 (EN 1.4301)
Motor connection	AISI 304 (EN 1.4301)

## Technical data

Max. immersion	350 m water filled motor 150 m oil filled motor
Max. temperature of the liquid (clear water)	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 1~230V ( $\pm 10\%$ ) OYM Three phase 3~380-415V ( $\pm 10\%$ ) OY Single phase 1~230V (-10%+6%) WYM Three phase 3~380-415V (-10%+6%) WY

The pump does not have an internal motor protector, therefore overload protection must be provided by the user.

## Accessories

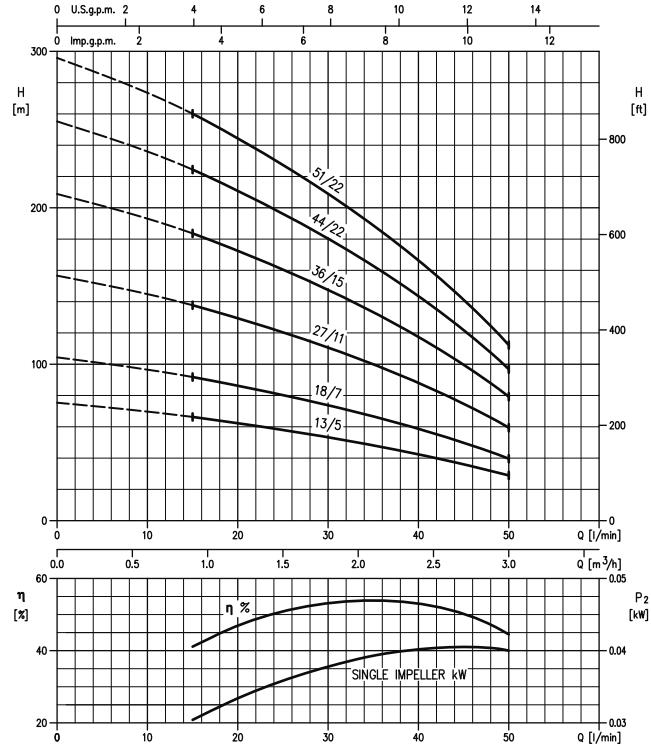
	<b>Cables</b> Page 449 - Quadripolar cables
	<b>Capacitors</b> Page 449 - Capacitors 450V
	<b>Floats</b> Page 443 - Key floats with counterweight
	<b>Control systems</b> Page 431 - <b>Presscomfort</b> Pressure regulator Page 432 - <b>Servopress</b> Pressure regulator Page 430 - <b>E-power</b> Variable speed control systems Page 426 - <b>E-SPD</b> Variable speed control systems Page 428 - <b>E-drive</b> Variable speed control systems Page 424 - <b>Control panels</b> SMART EVO 1-2
	<b>Cooling sleeve</b> Page 450 - Cooling sleeve for 4" borehole pumps

# 4BHS

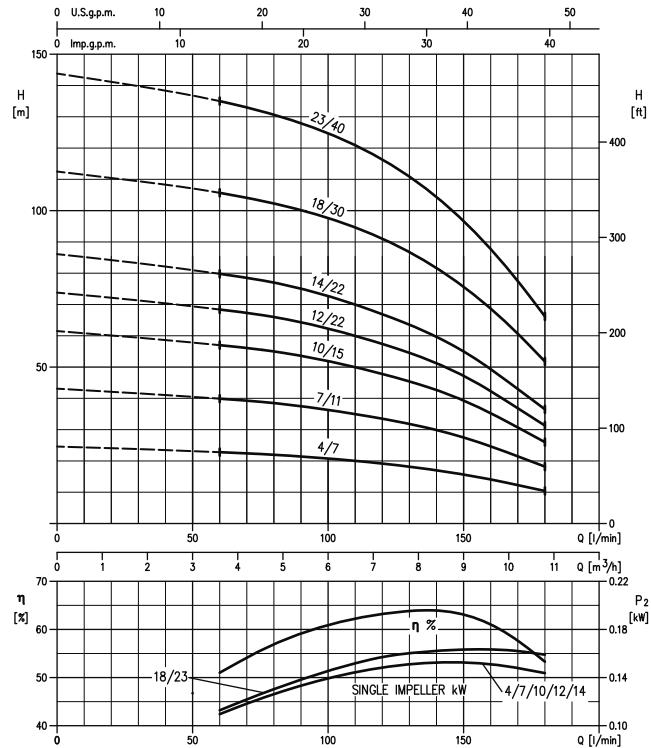
4" borehole centrifugal pumps completely in AISI 304 (hydraulic only)



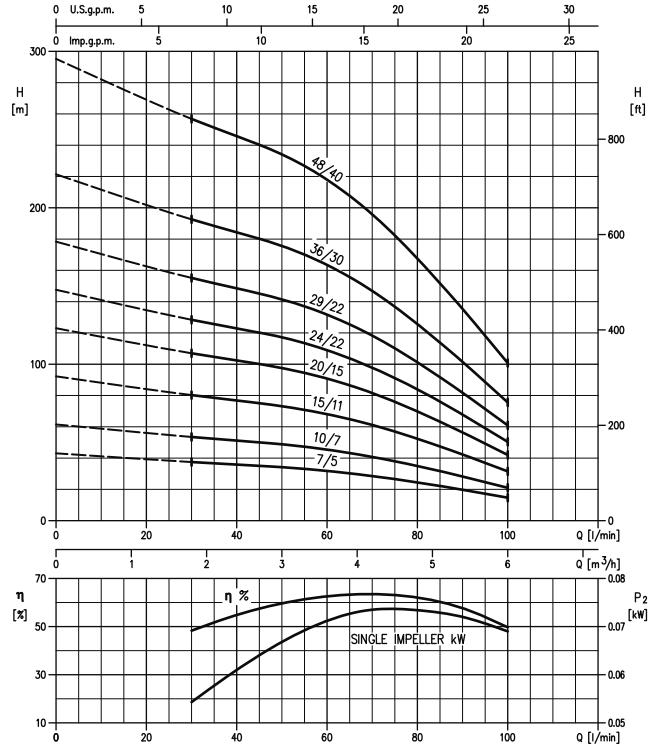
## 4BHS 2



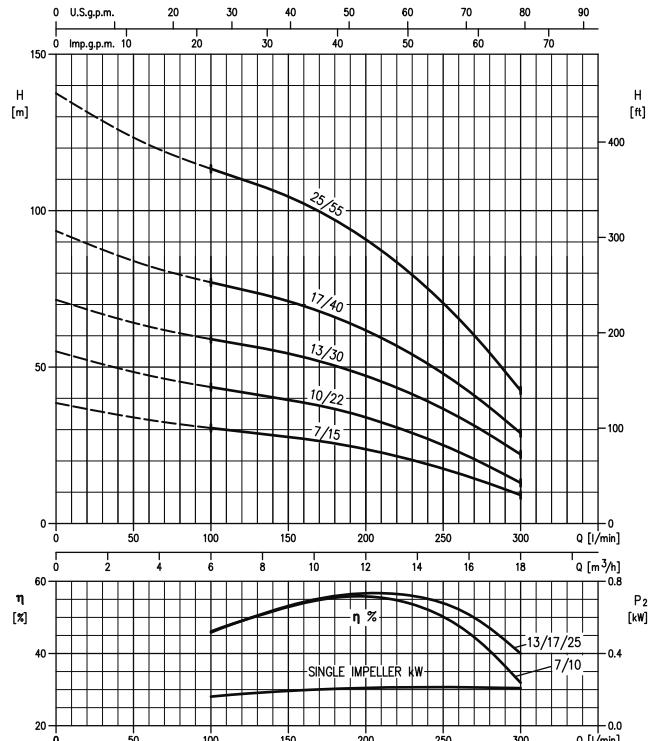
## 4BHS 7



## 4BHS 4



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)

## Identification code - pump without motor

4	BHS	4	-	29		
				N. impellers		
				m³/h at max. efficiency		
					Model	
					For 4" wells	

## Identification code - pump with motor

OY	4BHS 4-29	/	22	M	
				Only for single phase motor	
				Motor power kWx10	
				Model	
OY	Oil filled motor				
WY	Water filled motor				

## Performance table

Model	HP	kW	l/min	Q=Flow rate														
				0	15	20	30	40	50	60	80	100	120	150	180	220	260	300
			m³/h	0	0,9	1,2	1,8	2,4	3	3,6	4,8	6	7,2	9	10,8	13,2	15,6	18
4BHS/A 2-13	0,75	0,55		75,5	66,5	62,5	53,5	42,5	28,6	-	-	-	-	-	-	-	-	-
4BHS/A 2-18	1	0,75		104,0	92,0	86,0	74,0	58,5	39,6	-	-	-	-	-	-	-	-	-
4BHS/A 2-27	1,5	1,1		157,0	138,0	129,0	111,0	88,0	59,5	-	-	-	-	-	-	-	-	-
4BHS/A 2-36	2	1,5		209,0	184,0	172,0	148,0	117,0	79,0	-	-	-	-	-	-	-	-	-
4BHS/A 2-44	3	2,2		255,0	224,0	211,0	180,0	143,0	97,0	-	-	-	-	-	-	-	-	-
4BHS/A 2-51	3	2,2		296,0	260,0	244,0	209,0	166,0	112,0	-	-	-	-	-	-	-	-	-
4BHS/A 4-7	0,75	0,55		43,0	-	-	37,5	35,8	34,2	31,8	24,4	14,7	-	-	-	-	-	-
4BHS/A 4-10	1	0,75		61,5	-	-	53,5	51,0	49,0	45,5	34,9	21,0	-	-	-	-	-	-
4BHS/A 4-15	1,5	1,1		92,5	-	-	80,5	77,0	73,0	68,0	52,5	31,5	-	-	-	-	-	-
4BHS/A 4-20	2	1,5		123,0	-	-	107,0	102,0	97,5	91,0	70,0	42,0	-	-	-	-	-	-
4BHS/A 4-24	3	2,2		148,0	-	-	128,0	123,0	117,0	109,0	84,0	50,5	-	-	-	-	-	-
4BHS/A 4-29	3	2,2		178,0	-	-	155,0	148,0	142,0	132,0	101,0	61,0	-	-	-	-	-	-
4BHS/A 4-36	4	3		221,0	-	-	193,0	184,0	176,0	163,0	126,0	75,5	-	-	-	-	-	-
4BHS/A 4-48	5,5	4		295,0	-	-	257,0	246,0	234,0	218,0	168,0	101,0	-	-	-	-	-	-
4BHS/A 7-4	1	0,75		24,6	-	-	-	-	-	22,8	22,0	20,8	19,1	15,7	10,4	-	-	-
4BHS/A 7-7	1,5	1,1		43,0	-	-	-	-	-	39,9	38,5	36,3	33,5	27,5	18,2	-	-	-
4BHS/A 7-10	2	1,5		61,5	-	-	-	-	-	57,0	55,0	52,0	48,0	39,3	26,0	-	-	-
4BHS/A 7-12	3	2,2		74,0	-	-	-	-	-	68,5	66,0	62,5	57,5	47,0	31,3	-	-	-
4BHS/A 7-14	3	2,2		86,0	-	-	-	-	-	80,0	77,0	72,5	67,0	55,0	36,5	-	-	-
4BHS/A 7-18	4	3		113,0	-	-	-	-	-	106,0	102,0	97,5	91,0	75,5	52,0	-	-	-
4BHS/A 7-23	5,5	4		144,0	-	-	-	-	-	135,0	131,0	125,0	116,0	96,5	66,0	-	-	-
4BHS/A 15-7 *	2	1,5		38,5	-	-	-	-	-	-	30,5	29,3	27,7	25,6	21,5	16,0	9,1	
4BHS/A 15-10 *	3	2,2		55,0	-	-	-	-	-	-	43,5	42,0	39,5	36,6	30,7	22,9	13,0	
4BHS/A 15-13 *	4	3		71,5	-	-	-	-	-	-	59,0	57,5	54,5	50,5	43,5	34,1	22,1	
4BHS/A 15-17 *	5,5	4		93,5	-	-	-	-	-	-	77,0	75,0	71,0	66,0	57,0	44,5	28,9	
4BHS/A 15-25 *	7,5	5,5		138,0	-	-	-	-	-	-	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		Water filled	
						OY	3~	1~	3~
4BHS/A 2-13	3501031013A	0,75	0,55	G1½	6,6	1509070000	1509070004	1505090000	1505090004
4BHS/A 2-18	3501051018A	1	0,75	G1½	8,3	1509100000	1509100004	1505100000	1505100004
4BHS/A 2-27	3501071027A	1,5	1,1	G1½	11,0	1509110000	1509150004	1505150000	1505150004
4BHS/A 2-36	3501081036A	2	1,5	G1½	13,8	1509150000	1509200004	1505200000	1505200004
4BHS/A 2-44	3501101044A	3	2,2	G1½	16,5	1509220100	1509300004	1505300000	1505300004
4BHS/A 2-51	3501101051A	3	2,2	G1½	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	-	1509750004	-	1508752004

OY:

oil filled motor

WY:

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.



# IDROGO

## 5" borehole or open-well 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



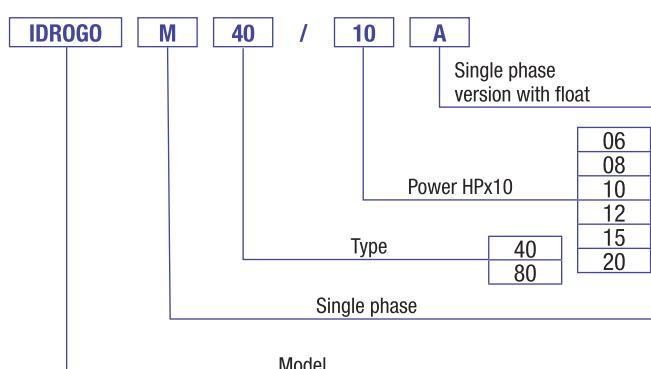
Suitable for horizontal operation

IDROGO

## Materials

External casing	AISI 304 (EN 1.4301)
Impeller	PPE+PS reinforced with fibreglass
Shaft	AISI 431 (EN 1.4057)
Mechanical seal	(motor side) in Carbon/Ceramic/NBR (pump side) in SiC/Carbon/NBR

## Identification code



## Technical data

<b>Max. working pressure</b>	10 bar
<b>Max. temperature of the liquid (clear water)</b>	40°C
<b>Poles</b>	2
<b>Insulation class</b>	F
<b>Protection degree</b>	IP68
<b>Voltage</b>	Single phase 1~230V ±10% Three phase 3~230/400V ±10%

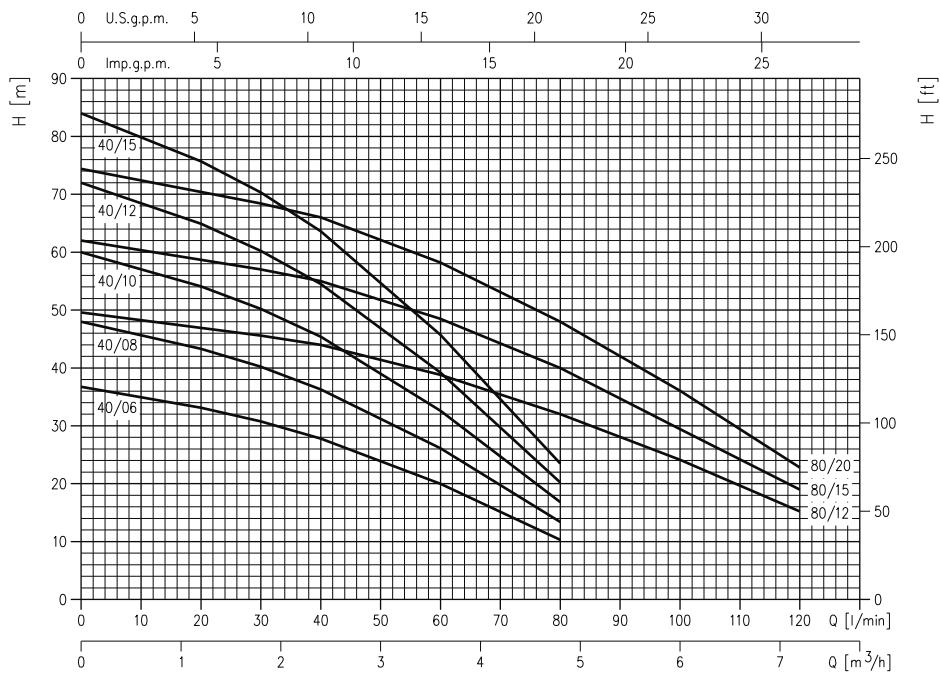
Permanent split capacitor built in overload motor protector with automatic reset. The three phase version does not have an internal motor protector, therefore overload protection must be provided by the user.

## Accessories

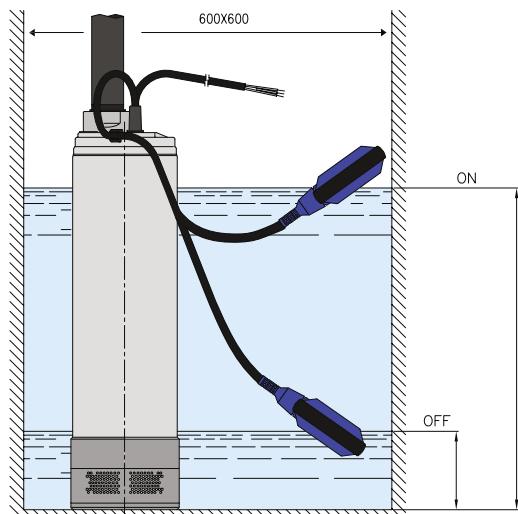
- Hydraulic discharge kit IDROGO**  
Page 452 - **Hydraulic kit for two pumps**  
(manifold, valves, pressure switches, pressure gauge) for pressure tank or inverter driven
- Tanks**  
Page 444 - **8/10 bar 5/10 litres tanks**
- Floats**  
Page 443 - **Key floats with counterweight**
- Pressure switches**  
Page 443 - **1,3÷12 bar pressure switches**
- Control systems**
  - Page 431 - **Presscomfort**  
Pressure regulator
  - Page 432 - **Servopress**  
Pressure regulator
  - Page 430 - **E-power**  
Variable speed control systems
  - Page 426 - **E-SPD**  
Variable speed control systems
  - Page 428 - **E-drive**  
Variable speed control systems
  - Page 424 - **Control panels**  
SMART EVO 1-2

# IDROGO

5" borehole or open-well pumps



## 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, it is necessary to respect the minimum required dimensions, to guarantee the right working of float.



# IDROGO

5" borehole or open-well pumps

Single phase 230V												2 Poles			
Model	Code	HP	kW	Q=Flow rate								Abs. Curr. [A] 230V	DNM	Weight [kg]	
				I/min	0	20	30	40	60	80	100				
<i>H=Total head [m]</i>															
IDROGO M40/06A *	1581030621	0,6	0,44		40,0	33,1	30,8	27,8	20,0	10,3	-	-	3,8	G1½	13,2
IDROGO M40/06 *	1581020521	0,6	0,44		40,0	33,1	30,8	27,8	20,0	10,3	-	-	3,8	G1½	13,0
IDROGO M40/08A	1582031221	0,8	0,6		48,0	43,3	40,2	36,3	26,1	13,4	-	-	4,3	G1½	14,8
IDROGO M40/08	1582030021	0,8	0,6		48,0	43,3	40,2	36,3	26,1	13,4	-	-	4,3	G1½	14,6
IDROGO M40/10A	1582051221	1	0,75		60,0	54,1	50,2	45,4	32,6	16,8	-	-	5,7	G1½	16,2
IDROGO M40/10	1582050021	1	0,75		60,0	54,1	50,2	45,4	32,6	16,8	-	-	5,7	G1½	16,0
IDROGO M40/12A	1582061221	1,2	0,9		72,0	64,9	60,2	54,5	39,2	20,2	-	-	6,8	G1½	17,4
IDROGO M40/12	1582060021	1,2	0,9		72,0	64,9	60,2	54,5	39,2	20,2	-	-	6,8	G1½	17,2
IDROGO M40/15A	1582071221	1,5	1,1		84,0	75,7	70,3	63,6	45,7	23,5	-	-	7,3	G1½	18,5
IDROGO M40/15	1582070021	1,5	1,1		84,0	75,7	70,3	63,6	45,7	23,5	-	-	7,3	G1½	18,3
IDROGO M80/12A	1592061221	1,2	0,9		49,6	-	45,6	44,0	38,8	32,0	23,2	15,2	6,4	G1½	16,7
IDROGO M80/12	1592060021	1,2	0,9		49,6	-	45,6	44,0	38,8	32,0	23,2	15,2	6,4	G1½	16,5
IDROGO M80/15A	1592071221	1,5	1,1		62,0	-	57,0	55,0	48,5	40,0	28,0	19,0	7,5	G1½	17,9
IDROGO M80/15	1592070021	1,5	1,1		62,0	-	57,0	55,0	48,5	40,0	28,0	19,0	7,5	G1½	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]	
				I/min	0	20	30	40	60	80	100				
<i>H=Total head [m]</i>															
IDROGO 40/08	1582030009	0,8	0,6		48,0	43,3	40,2	36,3	26,1	13,4	-	-	3,3	G1½	14,8
IDROGO 40/10	1582050009	1	0,75		60,0	54,1	50,2	45,4	32,6	16,8	-	-	3,8	G1½	16,1
IDROGO 40/12	1582060009	1,2	0,9		72,0	64,9	60,2	54,5	39,2	20,2	-	-	4,2	G1½	17,4
IDROGO 40/15	1582070009	1,5	1,1		84,0	75,7	70,3	63,6	45,7	23,5	-	-	5,2	G1½	18,3
IDROGO 80/12	1592060009	1,2	0,9		49,6	-	45,6	44,0	38,8	32,0	23,2	15,2	4	G1½	16,4
IDROGO 80/15	1592070009	1,5	1,1		62,0	-	57,0	55,0	48,5	40,0	28,0	19,0	5,4	G1½	17,4
IDROGO 80/20	1592080009	2	1,5		74,4	-	68,4	66,0	58,2	48,0	34,8	22,8	6,1	G1½	18,0

Three phase 400V												2 Poles			
Model	Code	HP	kW	Q=Flow rate								Abs. Curr. [A] 400V	DNM	Weight [kg]	
				I/min	0	20	30	40	60	80	100				
<i>H=Total head [m]</i>															
IDROGO 40/08	1582030004	0,8	0,6		48,0	43,3	40,2	36,3	26,1	13,4	-	-	1,9	G1½	14,8
IDROGO 40/10	1582050004	1	0,75		60,0	54,1	50,2	45,4	32,6	16,8	-	-	2,2	G1½	16,1
IDROGO 40/12	1582060004	1,2	0,9		72,0	64,9	60,2	54,5	39,2	20,2	-	-	2,4	G1½	17,4
IDROGO 40/15	1582070004	1,5	1,1		84,0	75,7	70,3	63,6	45,7	23,5	-	-	3	G1½	18,3
IDROGO 80/12	1592060004	1,2	0,9		49,6	-	45,6	44,0	38,8	32,0	23,2	15,2	2,3	G1½	16,4
IDROGO 80/15	1592070004	1,5	1,1		62,0	-	57,0	55,0	48,5	40,0	28,0	19,0	3,1	G1½	17,4
IDROGO 80/20	1592080004	2	1,5		74,4	-	68,4	66,0	58,2	48,0	34,8	22,8	3,5	G1½	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

## Materials

External casing	AISI 304 (EN 1.4301)
Impeller	PPO reinforced with fibreglass
Shaft	AISI 420 (EN 1.4021)
Discharge casing	AISI 304 (EN 1.4301)
Motor connection	AISI 304 (EN 1.4301)

## Technical data

<b>Max. immersion</b>	350 m water filled motor 150 m oil filled motor
<b>Max. temperature of the liquid (clear water)</b>	30°C
<b>Max. sand content</b>	50 ppm
<b>Poles</b>	2
<b>Insulation class</b>	F (4" - 6" OY), (6" WY) B (4" WY)
<b>Protection degree</b>	IP 58 (4" - 6" OY), (6" WY) IP 68 (4" WY)
<b>Voltage</b>	Three phase 3~400V (±10%) Three phase 3~400V (+6% -10%)

The pump does not have an internal motor protector, therefore overload protection must be provided by the user.

SF6

## Accessories



### Capacitors

Page 449 - **Capacitors 450V**



### Floats

Page 443 - **Key floats with counterweight**



### Control systems

Page 431 - **Presscomfort**

Pressure regulator

Page 432 - **Servopress**

Pressure regulator

Page 430 - **E-power**

Variable speed control systems

Page 426 - **E-SPD**

Variable speed control systems

Page 428 - **E-drive**

Variable speed control systems

Page 424 - **Control panels**

SMART EVO 1-2, DIRECTO 1-2,  
STARDELTA 1-2



### Cooling sleeve

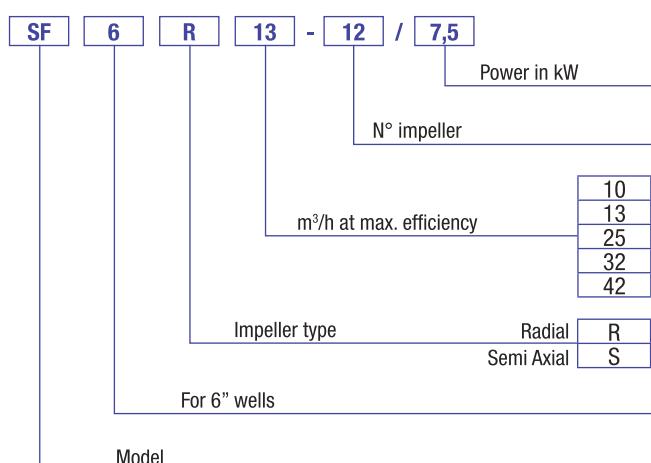
Page 451 - **Cooling sleeve  
for 6" borehole pumps**

# SF6



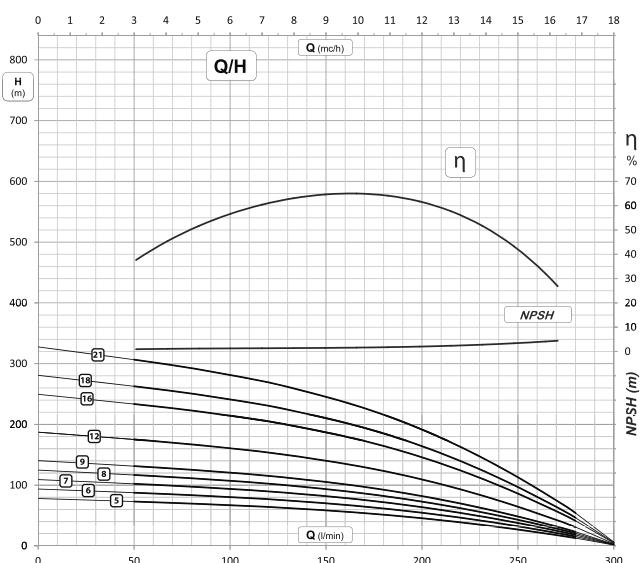
6" borehole centrifugal pumps (hydraulic only)

## Identification code

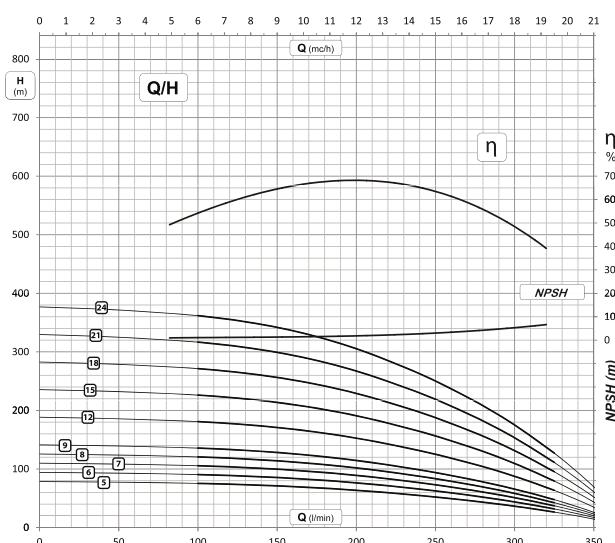


SF6

## SF6 10



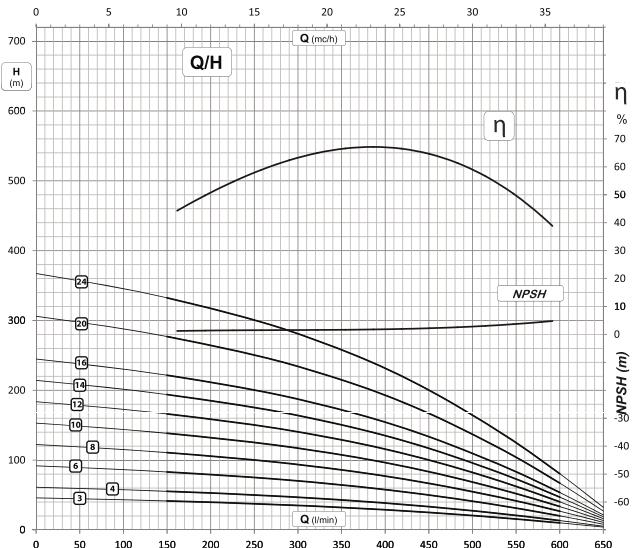
## SF6 13



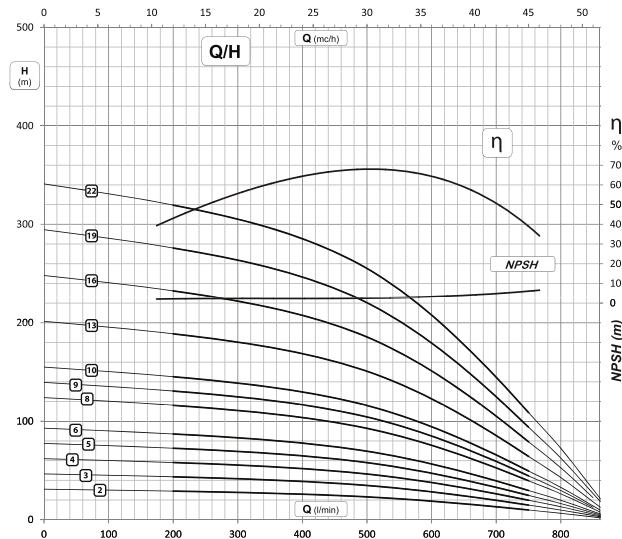
# SF6

**6" borehole centrifugal pumps (hydraulic only)**

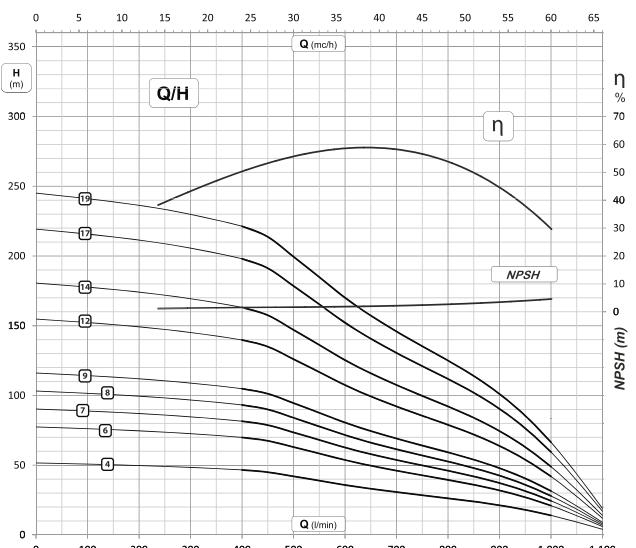
**SF6 25** Models that do not comply with EuP Directive and their sale in EU is restricted exclusively to the kit for fire-fighting units.



**SF6 32** Models that do not comply with EuP Directive and their sale in EU is restricted exclusively to the kit for fire-fighting units.



**SF6 42** 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)

**Selection table**

Model	HP	kW	Q=Flow rate																	H=Total head [m]	
			I/min	0	50	75	100	125	150	175	200	250	300	350	400	500	600	700	800	900	
			m³/h	0	3	4,5	6	7,5	9	10,5	12	15	18	21	24	30	36	42	48	54	
SF6R10-5/2,2	3	2,2		78	73	70	67	63	58	53	46	27	-	-	-	-	-	-	-	-	
SF6R10-6/3	4	3		94	88	84	80	76	70	63	55	32	-	-	-	-	-	-	-	-	
SF6R10-7/3	4	3		109	102	98	94	89	82	74	64	38	-	-	-	-	-	-	-	-	
SF6R10-8/4	5	3,7		125	117	112	107	101	93	84	73	43	-	-	-	-	-	-	-	-	
SF6R10-9/4	5,5	4		140	131	126	121	114	105	95	82	48	-	-	-	-	-	-	-	-	
SF6R10-12/5,5	7,5	5,5		187	175	169	161	152	140	127	109	65	-	-	-	-	-	-	-	-	
SF6R10-16/7,5	10	7,5		250	234	225	214	202	187	169	146	86	-	-	-	-	-	-	-	-	
SF6R10-18/9,2	12,5	9,3		281	263	253	241	228	210	190	164	97	-	-	-	-	-	-	-	-	
SF6R10-21/9,2	12,5	9,3		328	307	295	281	266	245	222	192	113	-	-	-	-	-	-	-	-	
SF6R13-5/3	4	3		79	-	-	75	74	71	68	64	52	37	15	-	-	-	-	-	-	
SF6R13-6/4	5	3,7		94	-	-	90	88	86	81	76	63	44	17	-	-	-	-	-	-	
SF6R13-7/5,5	7,5	5,5		110	-	-	106	103	100	95	89	73	51	20	-	-	-	-	-	-	
SF6R13-8/5,5	7,5	5,5		126	-	-	121	118	114	109	102	83	58	23	-	-	-	-	-	-	
SF6R13-9/5,5	7,5	5,5		141	-	-	136	133	128	122	115	94	66	26	-	-	-	-	-	-	
SF6R13-12/7,5	10	7,5		188	-	-	181	177	171	163	153	125	88	35	-	-	-	-	-	-	
SF6R13-15/9,2	12,5	9,3		236	-	-	226	221	214	204	191	156	110	44	-	-	-	-	-	-	
SF6R13-18/11	15	11		283	-	-	271	265	257	244	229	188	131	52	-	-	-	-	-	-	
SF6R13-21/13	17,5	13		330	-	-	317	309	299	285	267	219	153	61	-	-	-	-	-	-	
SF6R13-24/15	20	15		377	-	-	362	354	342	326	306	250	175	70	-	-	-	-	-	-	
SF6S25-3/3 *	4	3		46	-	-	-	-	-	-	40	38	35	32	29	21	10	-	-	-	
SF6S25-4/4 *	5	3,7		61	-	-	-	-	-	-	53	50	47	43	39	27	13	-	-	-	
SF6S25-6/5,5 *	7,5	5,5		92	-	-	-	-	-	-	79	75	70	65	58	41	20	-	-	-	
SF6S25-8/7,5 *	10	7,5		122	-	-	-	-	-	-	106	100	94	86	77	55	27	-	-	-	
SF6S25-10/9,2 *	12,5	9,3		153	-	-	-	-	-	-	132	125	117	108	97	69	34	-	-	-	
SF6S25-12/11 *	15	11		184	-	-	-	-	-	-	159	150	141	129	116	82	40	-	-	-	
SF6S25-14/15 *	17,5	13		214	-	-	-	-	-	-	185	175	164	151	135	96	47	-	-	-	
SF6S25-16/15 *	20	15		245	-	-	-	-	-	-	212	200	187	172	154	110	54	-	-	-	
SF6S25-20/18,5 *	25	18,5		306	-	-	-	-	-	-	264	251	234	215	193	137	67	-	-	-	
SF6S25-24/22 *	30	22		367	-	-	-	-	-	-	317	301	281	258	232	164	81	-	-	-	
SF6S32-2/3 *	4	3		31	-	-	-	-	-	-	-	28	27	26	23	19	13	7	-	-	
SF6S32-3/4 *	5	3,7		47	-	-	-	-	-	-	-	42	40	39	35	28	20	10	-	-	
SF6S32-4/5,5 *	7,5	5,5		62	-	-	-	-	-	-	-	55	54	52	46	38	26	13	-	-	
SF6S32-5/7,5 *	10	7,5		78	-	-	-	-	-	-	-	69	67	65	58	47	33	17	-	-	
SF6S32-6/9,2 *	12,5	9,3		93	-	-	-	-	-	-	-	83	81	78	70	57	39	20	-	-	
SF6S32-8/11 *	15	11		124	-	-	-	-	-	-	-	111	108	104	93	76	53	26	-	-	
SF6S32-9/15 *	17,5	13		140	-	-	-	-	-	-	-	125	121	117	104	85	59	30	-	-	
SF6S32-10/15 *	20	15		155	-	-	-	-	-	-	-	139	135	130	116	95	66	33	-	-	
SF6S32-13/18,5 *	25	18,5		202	-	-	-	-	-	-	-	180	175	169	151	123	86	43	-	-	
SF6S32-16/22 *	30	22		248	-	-	-	-	-	-	-	222	216	208	186	151	105	53	-	-	
SF6S32-19/26 *	35	26		295	-	-	-	-	-	-	-	264	256	246	220	180	125	63	-	-	
SF6S32-22/30 *	40	30		341	-	-	-	-	-	-	-	305	296	285	255	208	145	73	-	-	
SF6S42-4/7,5 *	10	7,5		52	-	-	-	-	-	-	-	-	-	47	42	36	31	26	21	14	4
SF6S42-6/9,2 *	12,5	9,3		77	-	-	-	-	-	-	-	-	-	70	63	54	46	39	32	21	6
SF6S42-7/11 *	15	11		90	-	-	-	-	-	-	-	-	-	82	74	63	54	46	37	25	7
SF6S42-8/13 *	17,5	13		103	-	-	-	-	-	-	-	-	-	93	84	72	61	53	43	28	8
SF6S42-9/15 *	20	15		116	-	-	-	-	-	-	-	-	-	105	95	81	69	59	48	32	9
SF6S42-12/18,5 *	25	18,5		155	-	-	-	-	-	-	-	-	-	140	126	107	92	79	64	42	12
SF6S42-14/22 *	30	22		181	-	-	-	-	-	-	-	-	-	163	147	125	108	92	74	49	14
SF6S42-17/26 *	35	26		219	-	-	-	-	-	-	-	-	-	198	179	152	131	112	90	60	17
SF6S42-19/30 *	40	30		245	-	-	-	-	-	-	-	-	-	221	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	1505164004	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(L)

**6" borehole centrifugal pumps in AISI 304 and 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



AISI  
316

Available in  
AISI 316

## Technical data

<b>Max. immersion</b>	350 m water filled motor 150 m oil filled motor
<b>Max. temperature of the liquid (clear water)</b>	-5°C ÷ +60°C
<b>Max. sand content</b>	100 gr/m³
<b>Poles</b>	2
<b>Insulation class</b>	F (4"-6" OY), (6"-8" WY) B (4" WY)
<b>Protection degree</b>	IP58 (OY), IP68 (WY)
<b>Voltage</b>	Three phase 3~380-415V ±10% OY Three phase 3~380-415V -10%+6% WY

The pump does not have an internal motor protector, therefore overload protection must be provided by the user.

## Materials

<b>External casing</b>	AISI 304 (EN 1.4301) AISI 316 (EN 1.4401) for L version
<b>Impeller</b>	AISI 304 (EN 1.4301) AISI 316 (EN 1.4401) for L version
<b>Shaft</b>	AISI 431 (EN 1.4057) AISI 316 (EN 1.4401) + AISI 329 (EN 1.4460) for L version
<b>Discharge casing</b>	AISI 304 (EN 1.4301) AISI 316 (EN 1.4401) for L version
<b>Motor connection</b>	AISI 304 (EN 1.4301) AISI 316 (EN 1.4401) for L version

## Identification code

6	BHE	L	64	-	20	
						N. impellers
						m³/h at max. efficiency
						Version in AISI 316
						Model
						For 6" wells

## Accessories



**Capacitors**  
Page 449 - Capacitors 450V



**Floats**  
Page 443 - Key floats with counterweight



**6BHE(L) adaptor kit**  
Page 452 - Kit adaptor 6BHE(L) 6"x 4"



**Control systems**  
Page 431 - Presscomfort  
Pressure regulator  
Page 432 - Servopress  
Pressure regulator  
Page 430 - E-power  
Variable speed control systems  
Page 426 - E-SPD  
Variable speed control systems  
Page 428 - E-drive  
Variable speed control systems  
Page 424 - Control panels  
SMART EVO 1-2, DIRECTO 1-2,  
STARDELTA 1-2

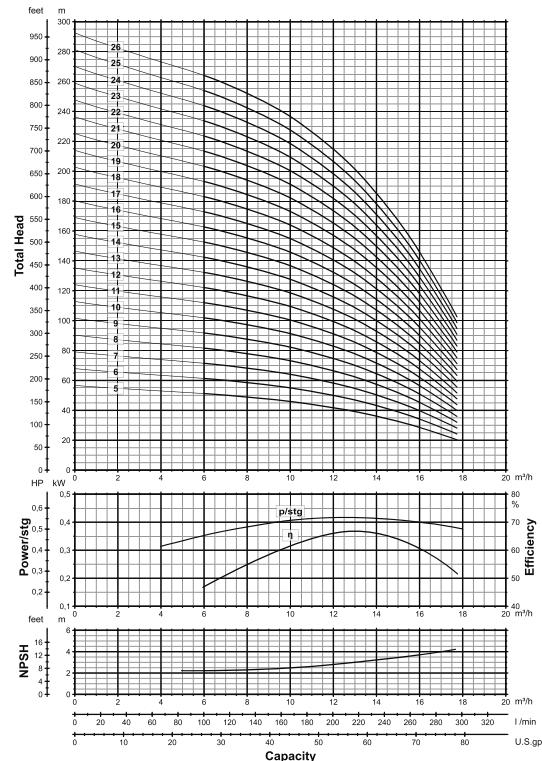


**Cooling sleeve**  
Page 451 - Cooling sleeve  
for 6" borehole pumps

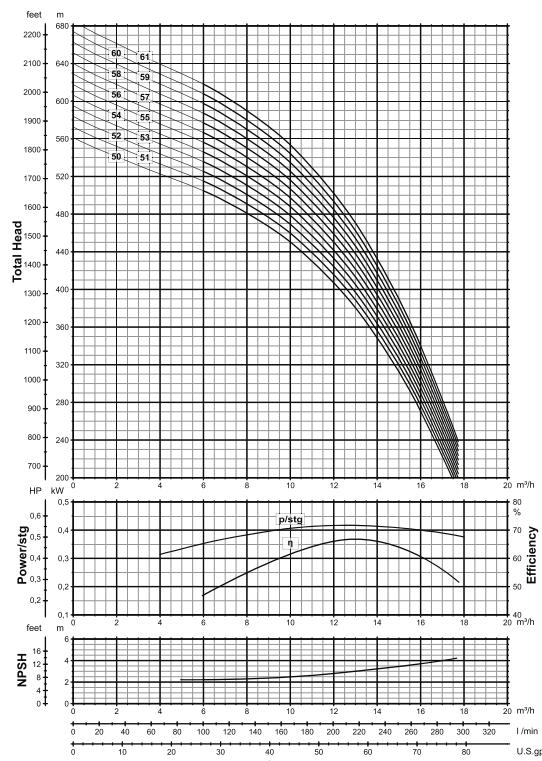
# 6BHE(L)

6" borehole centrifugal pumps in AISI 304 and AISI 316 (hydraulic only)

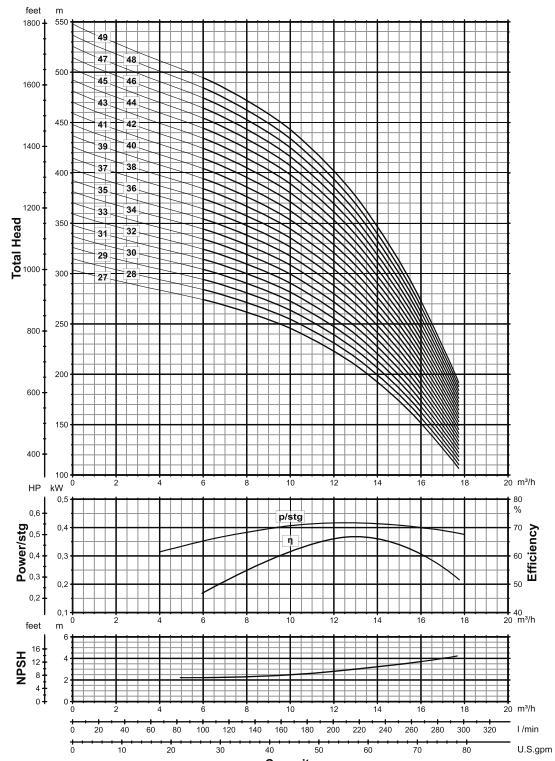
**6BHE(L) 13** Models that do not comply with EuP Directive and their sale in EU is restricted exclusively to the kit for fire-fighting units.



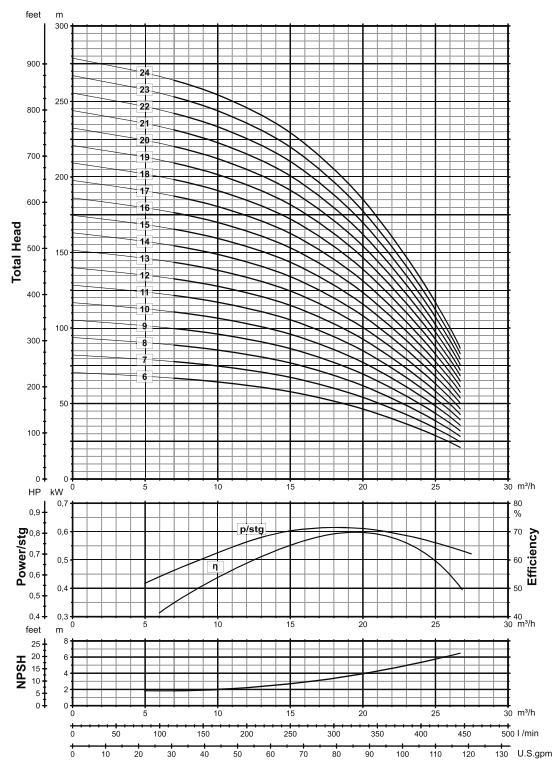
**6BHE(L) 13** Models that do not comply with EuP Directive and their sale in EU is restricted exclusively to the kit for fire-fighting units.



**6BHE(L) 13** Models that do not comply with EuP Directive and their sale in EU is restricted exclusively to the kit for fire-fighting units.



**6BHE(L) 20**



# 6BHE(L)

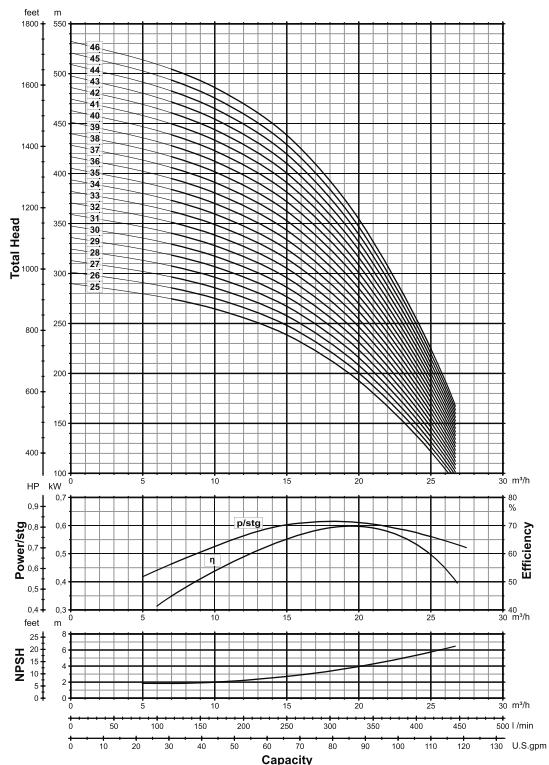
6" borehole centrifugal pumps in AISI 304 and AISI 316 (hydraulic only)



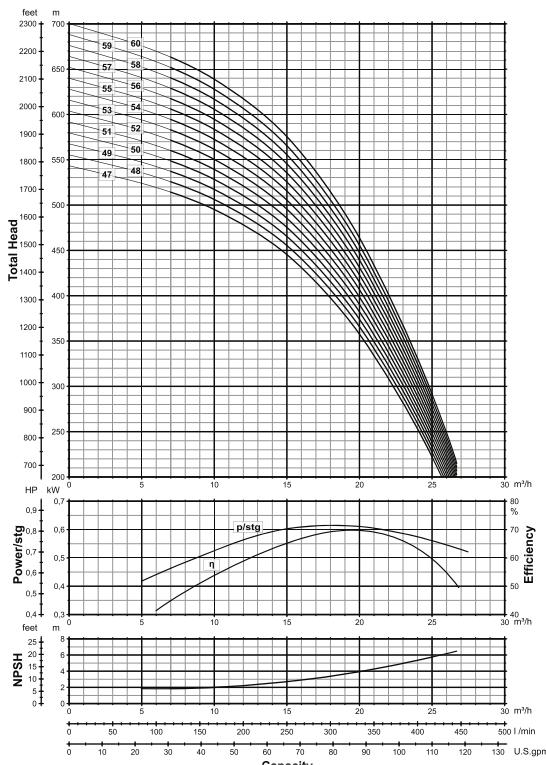
UNIONE ITALIANA  
PER LA PROTEZIONE  
DELL'AMBIENTE  
TIFD  
prodotto conforme  
G.M.74/2004



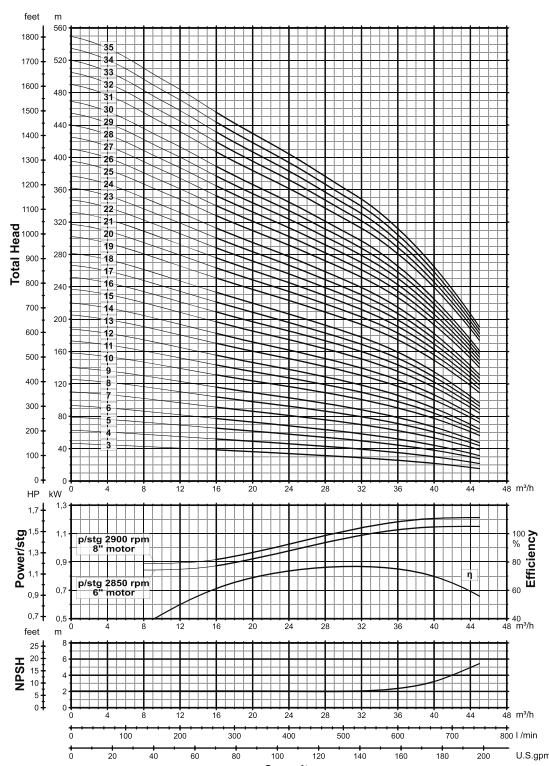
## 6BHE(L) 20



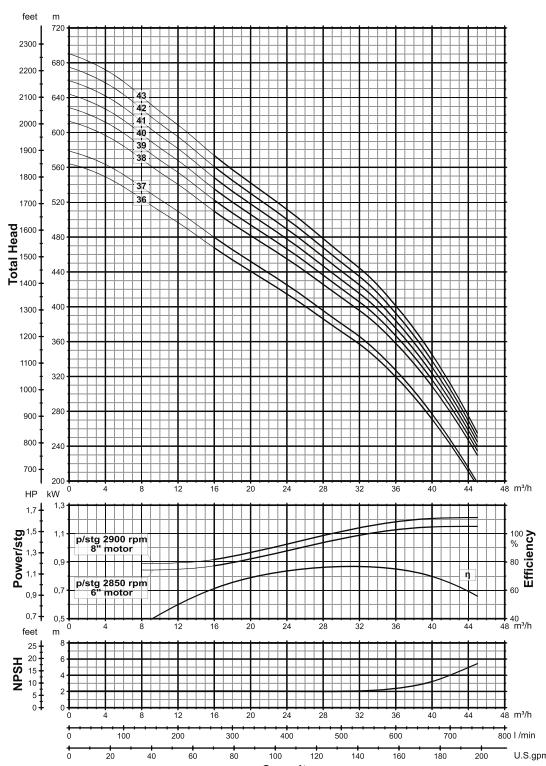
## 6BHE(L) 20



## 6BHE(L) 32



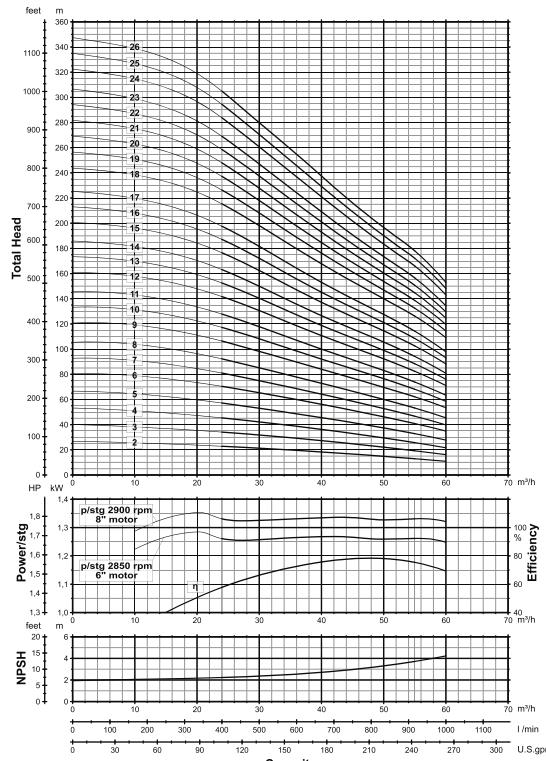
## 6BHE(L) 32



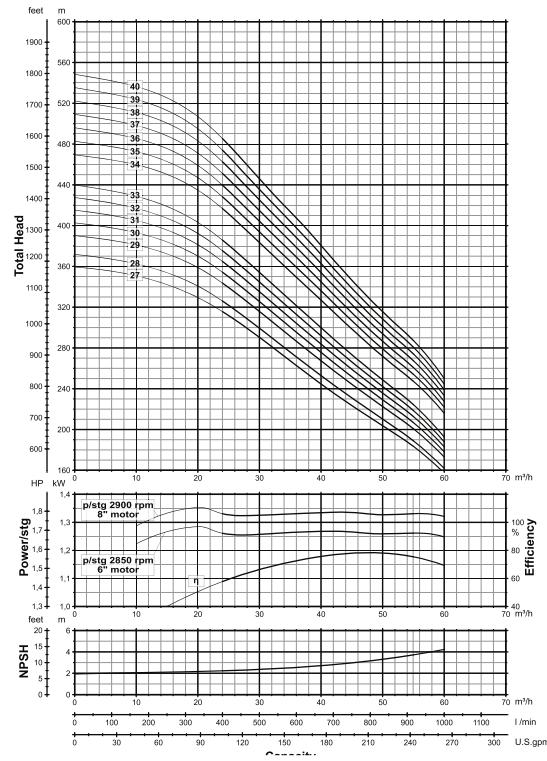
# 6BHE(L)

6" borehole centrifugal pumps in AISI 304 and AISI 316 (hydraulic only)

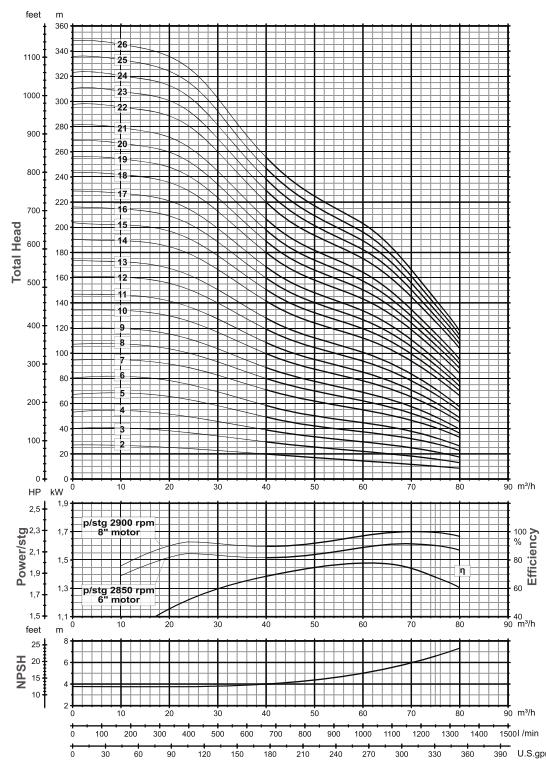
## 6BHE(L) 48



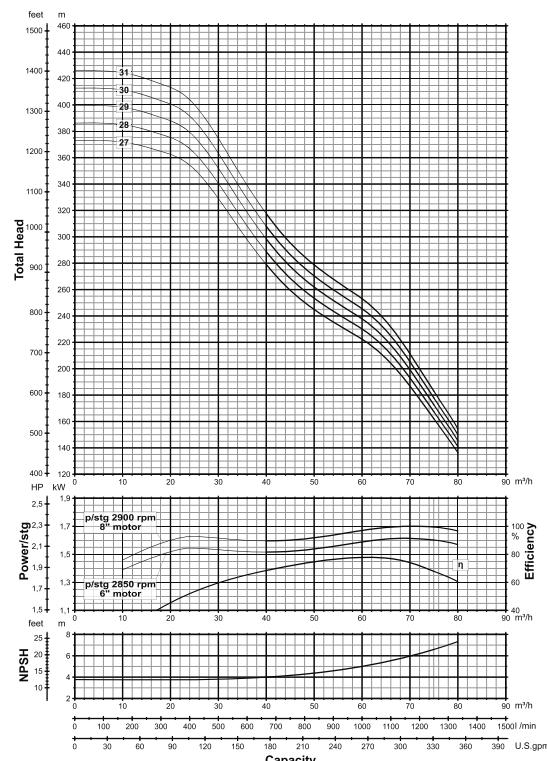
## 6BHE(L) 48



## 6BHE(L) 64



## 6BHE(L) 64





CE

# 6BHE 13

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

Model	Code	2 Poles										DNM	Weight [kg]				
		Standard			Optional **			Q=Flow rate									
		HP	kW	Motor	HP	kW	Motor	I/min	0	100	133	167	200	250	300		
m³/h														H=Total head [m]			
6BHE 13-5*	3651300005	5,5	4	6"	3	2,2	4"		56,1	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"		67,3	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"		78,5	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"		89,7	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"		100,9	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"		112,1	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"		123,3	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"		134,6	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"		145,8	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"		157,0	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"		168,2	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"		179,4	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"		190,6	172,3	164,7	154,5	140,9	106,3	63,1	Rp2½	20,5
6BHE 13-18*	3651300018	12,5	9,3	6"	-	-	-		201,8	182,5	174,4	163,6	149,2	112,5	66,8	Rp2½	21,3
6BHE 13-19*	3651300019	12,5	9,3	6"	-	-	-		213,0	192,6	184,1	172,7	157,5	118,8	70,5	Rp2½	22,0
6BHE 13-20*	3651300020	12,5	9,3	6"	-	-	-		224,3	202,8	193,8	181,8	165,8	125,0	74,3	Rp2½	23,0
6BHE 13-21*	3651300021	12,5	9,3	6"	-	-	-		235,5	212,9	203,4	190,8	174,0	131,3	78,0	Rp2½	23,5
6BHE 13-22*	3651300022	12,5	9,3	6"	-	-	-		246,7	223,0	213,1	199,9	182,3	137,5	81,7	Rp2½	24,0
6BHE 13-23*	3651300023	15	11	6"	-	-	-		257,9	233,2	222,8	209,0	190,6	143,8	85,4	Rp2½	25,0
6BHE 13-24*	3651300024	15	11	6"	-	-	-		269,1	243,3	232,5	218,1	198,9	150,0	89,1	Rp2½	25,5
6BHE 13-25*	3651300025	15	11	6"	-	-	-		280,3	253,4	242,2	227,2	207,2	156,3	92,8	Rp2½	26,5
6BHE 13-26*	3651300026	15	11	6"	-	-	-		291,5	263,6	251,9	236,3	215,5	162,5	96,5	Rp2½	27,0
6BHE 13-27*	3651300027	20	15	6"	-	-	-		302,7	273,7	261,6	245,4	223,8	168,8	100,2	Rp2½	29,0
6BHE 13-28*	3651300028	20	15	6"	-	-	-		314,0	283,9	271,3	254,5	232,1	175,0	104,0	Rp2½	29,0
6BHE 13-29*	3651300029	20	15	6"	-	-	-		325,2	294,0	280,9	263,5	240,3	181,3	107,7	Rp2½	30,5
6BHE 13-30*	3651300030	20	15	6"	-	-	-		336,4	304,1	290,6	272,6	248,6	187,5	111,4	Rp2½	30,8
6BHE 13-31*	3651300031	20	15	6"	-	-	-		347,6	314,3	300,3	281,7	256,9	193,8	115,1	Rp2½	31,0
6BHE 13-32*	3651300032	20	15	6"	-	-	-		358,8	324,4	310,0	290,8	265,2	200,0	118,8	Rp2½	31,5
6BHE 13-33*	3651300033	20	15	6"	-	-	-		370,0	334,5	319,7	299,9	273,5	206,3	122,5	Rp2½	32,5
6BHE 13-34*	3651300034	20	15	6"	-	-	-		381,2	344,7	329,4	309,0	281,8	212,5	126,2	Rp2½	33,5
6BHE 13-35*	3651300035	20	15	6"	-	-	-		392,4	354,8	339,1	318,1	290,1	218,8	129,9	Rp2½	34,0
6BHE 13-36*	3651300036	20	15	6"	-	-	-		403,7	365,0	348,8	327,2	298,4	225,0	133,7	Rp2½	34,5
6BHE 13-37*	3651300037	25	18,5	6"	-	-	-		414,9	375,1	358,4	336,2	306,6	231,3	137,4	Rp2½	35,3
6BHE 13-38*	3651300038	25	18,5	6"	-	-	-		426,1	385,2	368,1	345,3	314,9	237,5	141,1	Rp2½	36,0
6BHE 13-39*	3651300039	25	18,5	6"	-	-	-		437,3	395,4	377,8	354,4	323,2	243,8	144,8	Rp2½	37,3
6BHE 13-40*	3651300040	25	18,5	6"	-	-	-		448,5	405,5	387,5	363,5	331,5	250,0	148,5	Rp2½	38,5
6BHE 13-41*	3651300041	25	18,5	6"	-	-	-		459,7	415,6	397,2	372,6	339,8	256,3	152,2	Rp2½	38,8
6BHE 13-42*	3651300042	25	18,5	6"	-	-	-		470,9	425,8	406,9	381,7	348,1	262,5	155,9	Rp2½	39,0
6BHE 13-43*	3651300043	25	18,5	6"	-	-	-		482,1	435,9	416,6	390,8	356,4	268,8	159,6	Rp2½	39,8
6BHE 13-44*	3651300044	25	18,5	6"	-	-	-		493,4	446,1	426,3	399,9	364,7	275,0	163,4	Rp2½	40,5
6BHE 13-45*	3651300045	30	22	6"	-	-	-		504,6	456,2	435,9	408,9	372,9	281,3	167,1	Rp2½	41,3
6BHE 13-46*	3651300046	30	22	6"	-	-	-		515,8	466,3	445,6	418,0	381,2	287,5	170,8	Rp2½	42,0
6BHE 13-47*	3651300047	30	22	6"	-	-	-		527,0	476,5	455,3	427,1	389,5	293,8	174,5	Rp2½	43,0
6BHE 13-48*	3651300048	30	22	6"	-	-	-		538,2	486,6	465,0	436,2	397,8	300,0	178,2	Rp2½	44,0
6BHE 13-49*	3651300049	30	22	6"	-	-	-		549,4	496,7	474,7	445,3	406,1	306,3	181,9	Rp2½	45,0
6BHE 13-50*	3651300050	30	22	6"	-	-	-		560,6	506,9	484,4	454,4	414,4	312,5	185,6	Rp2½	46,0
6BHE 13-51*	3651300051	30	22	6"	-	-	-		571,8	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 452)

# 6BHE 13

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



Model	Code	2 Poles															
		Standard			Optional **			Q=Flow rate						DNM	Weight [kg]		
		HP	kW	Motor	HP	kW	Motor	I/min	0	100	133	167	200	250	300		
								m³/h	0	6	8	10	12	15	18		
6BHE 13-52*	3651300052	30	22	6"	-	-	-	583,1	527,2	503,8	472,6	431,0	325,0	193,1	Rp2½	48,0	
6BHE 13-53*	3651300053	40	30	6"	-	-	-	594,3	537,3	513,4	481,6	439,2	331,3	196,8	Rp2½	48,8	
6BHE 13-54*	3651300054	40	30	6"	-	-	-	605,5	547,4	523,1	490,7	447,5	337,5	200,5	Rp2½	49,7	
6BHE 13-55*	3651300055	40	30	6"	-	-	-	616,7	557,6	532,8	499,8	455,8	343,8	204,2	Rp2½	50,5	
6BHE 13-56*	3651300056	40	30	6"	-	-	-	627,9	567,7	542,5	508,9	464,1	350,0	207,9	Rp2½	51,3	
6BHE 13-57*	3651300057	40	30	6"	-	-	-	639,1	577,8	552,2	518,0	472,4	356,3	211,6	Rp2½	52,2	
6BHE 13-58*	3651300058	40	30	6"	-	-	-	650,3	588,0	561,9	527,1	480,7	362,5	215,3	Rp2½	53,0	
6BHE 13-59*	3651300059	40	30	6"	-	-	-	661,5	598,1	571,6	536,2	489,0	368,8	219,0	Rp2½	54,0	
6BHE 13-60*	3651300060	40	30	6"	-	-	-	672,8	608,3	581,3	545,3	497,3	375,0	222,8	Rp2½	55,0	
6BHE 13-61*	3651300061	40	30	6"	-	-	-	684,0	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 452)

# 6BHE 20

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



UNIONE DELLE FABBRICANTI  
TIFO  
prodotto conforme  
G.M.174/2004



Model	Code	2 Poles												DNM	Weight [kg]		
		Standard Motor			Optional ** Motor			l/min	Q=Flow rate								
		HP	kW		HP	kW			0	100	167	200	250	350	450		
m³/h																H=Total head [m]	
0	6	10	12	15	21	27											
6BHE 20-6	3652000006	5,5	4	6"	5	3,7	4"		70,0	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"		81,7	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"		93,3	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"		105	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"		116,7	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"		128,3	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"		140	136,0	128,0	124,0	115,2	86,4	41,0	Rp2½	17,5
6BHE 20-13	3652000013	12,5	9,3	6"	-	-	-		151,7	147,1	138,7	134,3	124,8	93,6	44,5	Rp2½	18,5
6BHE 20-14	3652000014	12,5	9,3	6"	-	-	-		163,3	157,0	149,3	144,7	134,4	100,8	47,9	Rp2½	19,3
6BHE 20-15	3652000015	12,5	9,3	6"	-	-	-		175,0	170,5	160,0	155,0	144,0	108,0	51,3	Rp2½	20,0
6BHE 20-16	3652000016	15	11	6"	-	-	-		186,7	181,9	170,7	165,3	153,6	115,2	54,7	Rp2½	21,0
6BHE 20-17	3652000017	15	11	6"	-	-	-		198,3	193,2	181,3	175,7	163,2	122,4	58,1	Rp2½	22,0
6BHE 20-18	3652000018	15	11	6"	-	-	-		210,0	204,6	192,0	186,0	172,8	129,6	61,6	Rp2½	22,5
6BHE 20-19	3652000019	20	15	6"	-	-	-		221,7	216,0	202,7	196,3	182,4	136,8	65,0	Rp2½	23,5
6BHE 20-20	3652000020	20	15	6"	-	-	-		233,3	227,3	213,3	206,7	192,0	144,0	68,4	Rp2½	24,0
6BHE 20-21	3652000021	20	15	6"	-	-	-		245,0	238,7	224,0	217,0	201,6	151,2	71,8	Rp2½	25,0
6BHE 20-22	3652000022	20	15	6"	-	-	-		256,7	250,0	234,7	227,3	211,2	158,4	75,2	Rp2½	26,0
6BHE 20-23	3652000023	20	15	6"	-	-	-		268,3	261,4	245,3	237,7	220,8	165,6	78,7	Rp2½	26,5
6BHE 20-24	3652000024	20	15	6"	-	-	-		280,0	272,8	256,0	248,0	230,4	172,8	82,1	Rp2½	27,5
6BHE 20-25	3652000025	25	18,5	6"	-	-	-		291,7	284,2	266,7	258,3	240,0	180,0	85,5	Rp2½	28,3
6BHE 20-26	3652000026	25	18,5	6"	-	-	-		303,3	295,5	277,3	268,7	249,6	187,2	88,9	Rp2½	29,0
6BHE 20-27	3652000027	25	18,5	6"	-	-	-		315,0	306,0	288,0	279,0	259,2	194,4	92,3	Rp2½	31,0
6BHE 20-28	3652000028	25	18,5	6"	-	-	-		326,7	318,3	298,7	289,3	268,8	201,6	95,8	Rp2½	31,0
6BHE 20-29	3652000029	25	18,5	6"	-	-	-		338,3	329,6	309,3	299,7	278,4	208,8	99,2	Rp2½	31,5
6BHE 20-30	3652000030	25	18,5	6"	-	-	-		350,0	341,0	320,0	310,0	288,0	216,0	102,6	Rp2½	32,5
6BHE 20-31	3652000031	30	22	6"	-	-	-		361,7	352,4	330,7	320,3	297,6	223,2	106,0	Rp2½	33,3
6BHE 20-32	3652000032	30	22	6"	-	-	-		373,3	363,7	341,3	330,7	307,2	230,4	109,4	Rp2½	34,0
6BHE 20-33	3652000033	30	22	6"	-	-	-		385,0	375,1	352,0	341,0	316,8	237,6	112,9	Rp2½	35,0
6BHE 20-34	3652000034	30	22	6"	-	-	-		396,7	386,5	362,7	351,3	326,4	244,8	116,3	Rp2½	35,7
6BHE 20-35	3652000035	30	22	6"	-	-	-		408,3	397,8	373,3	361,7	336,0	252,0	119,7	Rp2½	36,3
6BHE 20-36	3652000036	30	22	6"	-	-	-		420,0	409,2	384,0	372,0	345,6	259,2	123,1	Rp2½	37,0
6BHE 20-37	3652000037	40	30	6"	-	-	-		431,7	420,6	394,7	382,3	355,2	266,4	126,5	Rp2½	38,4
6BHE 20-38	3652000038	40	30	6"	-	-	-		443,3	431,9	405,3	392,7	364,8	273,6	130,0	Rp2½	39,8
6BHE 20-39	3652000039	40	30	6"	-	-	-		455,0	443,0	416,0	403,0	374,4	280,8	133,4	Rp2½	40,0
6BHE 20-40	3652000040	40	30	6"	-	-	-		466,7	455,0	426,7	413,3	384,0	288,0	136,8	Rp2½	40,5
6BHE 20-41	3652000041	40	30	6"	-	-	-		478,3	466,0	437,3	423,7	393,6	295,2	140,2	Rp2½	41,8
6BHE 20-42	3652000042	40	30	6"	-	-	-		490,0	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 452)

# 6BHE 20

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



Model	Code	2 Poles														
		Standard			Optional **			Q=Flow rate						DNM	Weight [kg]	
		HP	kW	Motor	HP	kW	Motor	I/min	0	100	167	200	250	350	450	
H=Total head [m]																
6BHE 20-43	3652000043	40	30	6"	-	-	-	501,7	489,0	458,7	444,3	412,8	309,6	147,1	Rp2½	44,0
6BHE 20-44	3652000044	40	30	6"	-	-	-	513,3	500,0	469,3	454,7	422,4	316,8	150,5	Rp2½	45,0
6BHE 20-45	3652000045	40	30	6"	-	-	-	525,0	511,5	480,0	465,0	432,0	324,0	153,9	Rp2½	46,0
6BHE 20-46	3652000046	40	30	6"	-	-	-	536,7	523,0	490,7	475,3	441,6	331,2	157,3	Rp2½	47,0
6BHE 20-47	3652000047	40	30	6"	-	-	-	548,3	534,2	501,3	485,7	451,2	338,4	160,7	Rp2½	47,5
6BHE 20-48	3652000048	40	30	6"	-	-	-	560,0	545,6	512,0	496,0	460,8	345,6	164,2	Rp2½	48,0
6BHE 20-49	3652000049	40	30	6"	-	-	-	571,7	557,0	522,7	506,3	470,4	352,8	167,6	Rp2½	50,0
6BHE 20-50	3652000050	50	37	6"	-	-	-	583,3	568,3	533,3	516,7	480,0	360,0	171,0	Rp2½	51,0
6BHE 20-51	3652000051	50	37	6"	-	-	-	595,0	579,7	544,0	527,0	489,6	367,2	174,4	Rp2½	52,0
6BHE 20-52	3652000052	50	37	6"	-	-	-	606,7	591,1	554,7	537,3	499,2	374,4	177,8	Rp2½	53,0
6BHE 20-53	3652000053	50	37	6"	-	-	-	618,3	602,4	565,3	547,7	508,8	381,6	181,3	Rp2½	54,0
6BHE 20-54	3652000054	50	37	6"	-	-	-	630,0	613,8	576,0	558,0	518,4	388,8	184,7	Rp2½	55,0
6BHE 20-55	3652000055	50	37	6"	-	-	-	641,7	625,2	586,7	568,3	528,0	396,0	188,1	Rp2½	56,0
6BHE 20-56	3652000056	50	37	6"	-	-	-	653,3	636,5	597,3	578,7	537,6	403,2	191,5	Rp2½	57,0
6BHE 20-57	3652000057	50	37	6"	-	-	-	665,0	647,9	608,0	589,0	547,2	410,4	194,9	Rp2½	58,0
6BHE 20-58	3652000058	50	37	6"	-	-	-	676,7	659,3	618,7	599,3	556,8	417,6	198,4	Rp2½	59,0
6BHE 20-59	3652000059	50	37	6"	-	-	-	688,3	670,6	629,3	609,7	566,4	424,8	201,8	Rp2½	60,0
6BHE 20-60	3652000060	50	37	6"	-	-	-	700,0	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 452)

# 6BHE 32

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



UNIONE DELLE FEDERAZIONI  
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Model	Code	2 Poles										DNM	Weight [kg]				
		Standard			Optional **			l/min	Q=Flow rate								
		HP	kW	Motor	HP	kW	Motor		0	83,5	166,5	333,5	416,5	583,5	750	m³/h	
H=Total head [m]																	
6BHE 32-3	3653200003	5,5	4	6"	5	3,7	4"		46,3	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"		62,5	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"		78,6	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"		93,1	88,4	83,4	72,6	67,1	54,0	31,2	Rp3	21,0
6BHE 32-7	3653200007	12,5	9,3	6"	-	-	-		110	104,2	98,4	86,0	79,7	64,6	38,4	Rp3	23,1
6BHE 32-8	3653200008	15	11	6"	-	-	-		125,5	119,4	113,3	98,1	90,9	73,6	43,5	Rp3	25,4
6BHE 32-9	3653200009	15	11	6"	-	-	-		140,1	132,7	125,3	109,3	101,1	81,4	47,3	Rp3	27,3
6BHE 32-10	3653200010	20	15	6"	-	-	-		158,2	149,9	141,6	123,8	114,9	93,5	56,1	Rp3	29,4
6BHE 32-11	3653200011	20	15	6"	-	-	-		173,0	163,9	154,8	135,3	125,4	101,7	60,4	Rp3	31,5
6BHE 32-12	3653200012	20	15	6"	-	-	-		187,7	177,8	167,9	146,6	135,7	109,6	64,4	Rp3	33,6
6BHE 32-13	3653200013	25	18,5	6"	-	-	-		205,2	194,0	183,7	160,6	148,9	121,1	72,4	Rp3	35,7
6BHE 32-14	3653200014	25	18,5	6"	-	-	-		220,0	208,5	196,9	172,1	159,4	129,2	76,7	Rp3	37,8
6BHE 32-15	3653200015	30	22	6"	-	-	-		237,0	224,6	212,2	185,5	172,1	140,0	84,0	Rp3	39,9
6BHE 32-16	3653200016	30	22	6"	-	-	-		251,9	238,7	225,5	197,1	182,6	148,3	88,3	Rp3	42,0
6BHE 32-17	3653200017	30	22	6"	-	-	-		266,7	252,6	238,5	208,4	193,0	156,4	92,5	Rp3	44,1
6BHE 32-18	3653200018	30	22	6"	-	-	-		281,3	226,8	251,8	219,7	203,3	164,3	96,5	Rp3	46,1
6BHE 32-19	3653200019	40	30	6"	-	-	-		302,1	286,0	270,5	236,8	219,9	179,7	109,1	Rp3	48,2
6BHE 32-20	3653200020	40	30	6"	-	-	-		317,3	300,6	284,0	248,6	230,7	188,2	113,8	Rp3	50,3
6BHE 32-21	3653200021	40	30	6"	-	-	-		332,3	315,0	297,4	260,2	241,5	196,7	118,3	Rp3	52,4
6BHE 32-22	3653200022	40	30	6"	-	-	-		347,3	329,1	310,9	271,8	252,1	205,0	122,7	Rp3	54,5
6BHE 32-23	3653200023	40	30	6"	-	-	-		362,2	343,2	324,1	283,4	262,6	213,2	127,0	Rp3	56,6
6BHE 32-24	3653200024	40	30	6"	-	-	-		377,0	357,2	337,3	294,8	273,1	221,4	131,2	Rp3	58,7
6BHE 32-25	3653200025	50	37	6"	-	-	-		395,2	374,5	353,8	309,4	287,0	233,5	140,1	Rp3	60,8
6BHE 32-26	3653200026	50	37	6"	-	-	-		410,1	388,1	367,0	320,9	297,5	241,8	144,5	Rp3	62,9
6BHE 32-27	3653200027	50	37	6"	-	-	-		425,0	402,6	380,3	332,4	308,1	250,0	148,8	Rp3	65,0
6BHE 32-28	3653200028	50	37	6"	-	-	-		439,8	416,7	393,5	343,8	318,5	258,1	152,9	Rp3	67,2
6BHE 32-29	3653200029	50	37	6"	-	-	-		454,5	430,5	406,5	355,2	328,9	266,2	157,0	Rp3	69,2
6BHE 32-30	3653200030	50	37	6"	-	-	-		469,1	436,0	420,0	366,4	339,1	274,1	160,9	Rp3	71,3
6BHE 32-31	3653200031	60	45	6"	-	-	-		490,0	464,3	438,6	383,6	355,8	289,4	173,6	Rp3	72,4
6BHE 32-32	3653200032	60	45	6"	-	-	-		505,0	478,5	451,9	395,2	366,4	297,7	177,9	Rp3	75,5
6BHE 32-33	3653200033	60	45	6"	-	-	-		519,8	492,5	465,2	406,7	376,9	305,9	182,1	Rp3	77,6
6BHE 32-34	3653200034	60	45	6"	-	-	-		534,6	513,0	491,5	418,1	387,3	314,0	186,2	Rp3	79,7
6BHE 32-35	3653200035	60	45	6"	-	-	-		549,4	520,5	491,5	429,5	397,7	322,0	190,2	Rp3	81,8
6BHE 32-36	3653200036	60	45	6"	-	-	-		564,1	534,5	504,9	440,8	408,0	329,9	194,2	Rp3	85,1
6BHE 32-37	3653200037	60	45	6"	-	-	-		578,7	548,1	517,6	452,0	418,2	337,7	198,0	Rp3	87,2
6BHE 32-38	3653200038	75	55	8"	-	-	-		612,9	581,2	549,2	481,6	448,2	368,6	229,2	Rp3	92,3
6BHE 32-39	3653200039	75	55	8"	-	-	-		628,4	595,8	563,1	493,7	459,4	377,6	234,4	Rp3	94,5
6BHE 32-40	3653200040	75	55	8"	-	-	-		644,0	610,5	577,0	505,8	470,6	386,6	239,6	Rp3	96,6
6BHE 32-41	3653200041	75	55	8"	-	-	-		659,4	625,2	590,9	517,9	481,7	395,6	244,7	Rp3	97,6
6BHE 32-42	3653200042	75	55	8"	-	-	-		674,9	639,8	604,7	529,9	492,8	404,5	249,8	Rp3	98,7
6BHE 32-43	3653200043	75	55	8"	-	-	-		690,3	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 452)

# 6BHE 48

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



**2 Poles**

Model	Code	Standard Motor			Optional ** Motor			l/min	m³/h	Q=Flow rate							DNM	Weight [kg]
		HP	kW	Motor	HP	kW	Motor			0	25	30	35	40	50	60		
6BHE 48-2	3654800002	5,5	4	6"	4	3	4"			26,4	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"			39,4	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"			52,5	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"			66,1	56,8	52,3	48,3	44,7	37,8	28,4	Rp3	21,4
6BHE 48-6	3654800006	12,5	9,3	6"	-	-	-			80,7	70,0	65,2	60,4	55,5	46,0	35,7	Rp3	24,0
6BHE 48-7	3654800007	12,5	9,3	6"	-	-	-			93,1	80,4	74,8	69,3	63,5	52,7	40,5	Rp3	26,6
6BHE 48-8	3654800008	15	11	6"	-	-	-			106,1	91,6	85,1	78,9	72,2	59,9	46,0	Rp3	29,2
6BHE 48-9	3654800009	20	15	6"	-	-	-			121,5	105,5	98,2	91,0	83,7	69,5	54,1	Rp3	31,8
6BHE 48-10	3654800010	20	15	6"	-	-	-			134	116,1	108	100,1	91,9	76,2	59,0	Rp3	34,4
6BHE 48-11	3654800011	20	15	6"	-	-	-			146,3	126,5	117,6	109,0	99,9	82,8	63,7	Rp3	37,0
6BHE 48-12	3654800012	25	18,5	6"	-	-	-			161,3	140,0	130,3	120,8	110,9	92,0	71,4	Rp3	39,6
6BHE 48-13	3654800013	25	18,5	6"	-	-	-			173,8	150,5	140,0	129,8	119,0	98,7	76,3	Rp3	42,2
6BHE 48-14	3654800014	25	18,5	6"	-	-	-			186,1	160,9	149,5	138,7	127,0	105,3	81,0	Rp3	44,8
6BHE 48-15	3654800015	30	22	6"	-	-	-			200,8	174,1	161,9	150,1	137,7	114,3	88,4	Rp3	47,4
6BHE 48-16	3654800016	30	22	6"	-	-	-			213,2	184,5	171,5	159,1	145,8	120,9	93,2	Rp3	50,1
6BHE 48-17	3654800017	30	22	6"	-	-	-			225,4	194,7	181,0	167,8	153,6	127,3	97,8	Rp3	52,7
6BHE 48-18	3654800018	40	30	6"	-	-	-			243,8	212,3	197,6	183,1	168,6	139,9	109,2	Rp3	55,3
6BHE 48-19	3654800019	40	30	6"	-	-	-			256,6	223,1	207,7	192,5	177,0	146,9	114,4	Rp3	57,9
6BHE 48-20	3654800020	40	30	6"	-	-	-			269,2	233,8	217,6	201,7	185,3	153,7	119,5	Rp3	60,5
6BHE 48-21	3654800021	40	30	6"	-	-	-			281,8	244,4	227,4	210,8	193,5	160,5	124,4	Rp3	63,1
6BHE 48-22	3654800022	40	30	6"	-	-	-			294,2	254,9	237,0	219,8	201,6	167,2	129,3	Rp3	65,7
6BHE 48-23	3654800023	40	30	6"	-	-	-			306,6	265,2	246,6	228,6	209,5	173,8	134,0	Rp3	68,3
6BHE 48-24	3654800024	50	37	6"	-	-	-			322,4	279,8	260,3	241,3	221,6	183,8	142,6	Rp3	70,9
6BHE 48-25	3654800025	50	37	6"	-	-	-			334,9	290,3	270,0	250,3	229,7	190,6	147,5	Rp3	73,5
6BHE 48-26	3654800026	50	37	6"	-	-	-			347,3	300,7	279,6	259,3	237,8	197,2	152,3	Rp3	76,1
6BHE 48-27	3654800027	50	37	6"	-	-	-			359,6	311,1	289,2	268,2	245,7	203,7	157,0	Rp3	79,3
6BHE 48-28	3654800028	50	37	6"	-	-	-			371,8	321,3	298,6	276,9	253,6	210,2	161,7	Rp3	82,0
6BHE 48-29	3654800029	60	45	6"	-	-	-			390,1	338,7	315,1	292,1	268,3	222,6	172,9	Rp3	84,6
6BHE 48-30	3654800030	60	45	6"	-	-	-			402,7	349,2	324,9	301,1	276,5	229,4	177,8	Rp3	87,2
6BHE 48-31	3654800031	60	45	6"	-	-	-			415,1	359,6	334,5	310,1	284,5	236,0	182,6	Rp3	89,8
6BHE 48-32	3654800032	60	45	6"	-	-	-			427,5	370,0	344,1	319,0	292,5	242,6	187,4	Rp3	92,4
6BHE 48-33	3654800033	60	45	6"	-	-	-			439,8	380,3	353,5	327,8	300,4	249,1	192,0	Rp3	95,0
6BHE 48-34	3654800034	75	55	8"	-	-	-			469,3	410,9	383,1	354,8	328,0	271,9	215,7	Rp3	100,8
6BHE 48-35	3654800035	75	55	8"	-	-	-			482,5	422,3	393,7	364,6	337,0	279,4	221,4	Rp3	103,5
6BHE 48-36	3654800036	75	55	8"	-	-	-			495,7	433,7	404,3	374,4	345,9	286,8	227,0	Rp3	106,1
6BHE 48-37	3654800037	75	55	8"	-	-	-			508,9	445,0	414,8	384,1	354,8	294,2	233,6	Rp3	108,7
6BHE 48-38	3654800038	75	55	8"	-	-	-			522	456,3	425,3	393,8	363,7	301,6	238,2	Rp3	111,3
6BHE 48-39	3654800039	75	55	8"	-	-	-			535,1	467,5	435,7	403,5	372,5	308,9	243,8	Rp3	114,0
6BHE 48-40	3654800040	75	55	8"	-	-	-			548,1	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 452)

6BHE

# 6BHE 64

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



ITR  
prodotto conforme  
G.M.T.Y4/2004



2 Poles

Model	Code	Standard			Optional **			I/min	Q=Flow rate							DNM	Weight [kg]
		HP	kW	Motor	HP	kW	Motor		0	666,5	750	833,5	1000	1166,5	1250		
									m³/h	0	40	45	50	60	70	75	
6BHE 64-2	3656400002	5,5	4	6"	5	3,7	4"		26,8	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"		40,4	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"		54	42,5	38,4	35,0	31,6	28,0	25,2	Rp3	18,8
6BHE 64-5	3656400005	12,5	9,3	6"	-	-	-		68	53,8	48,7	44,3	40,1	35,6	32,2	Rp3	21,4
6BHE 64-6	3656400006	15	11	6"	-	-	-		81,2	64,0	57,9	52,7	47,7	42,3	38,1	Rp3	24,0
6BHE 64-7	3656400007	20	15	6"	-	-	-		94,9	76,2	70,1	65,2	58,6	52,1	46,1	Rp3	26,7
6BHE 64-8	3656400008	20	15	6"	-	-	-		107,6	86,0	79,1	73,5	66,1	58,5	51,6	Rp3	29,3
6BHE 64-9	3656400009	20	15	6"	-	-	-		120,1	95,5	87,8	81,5	73,4	64,6	56,8	Rp3	31,9
6BHE 64-10	3656400010	25	18,5	6"	-	-	-		134,5	107,6	99,0	91,9	82,7	73,2	64,6	Rp3	34,5
6BHE 64-11	3656400011	25	18,5	6"	-	-	-		147	117,2	107,8	100,1	90,0	79,4	69,8	Rp3	37,1
6BHE 64-12	3656400012	30	22	6"	-	-	-		161,2	128,9	118,5	110,1	99,1	87,6	77,3	Rp3	39,7
6BHE 64-13	3656400013	30	22	6"	-	-	-		173,7	138,5	127,3	118,2	106,4	93,8	82,5	Rp3	42,3
6BHE 64-14	3656400014	40	30	6"	-	-	-		190,3	153,3	141,0	131,1	118,0	104,9	93,0	Rp3	44,9
6BHE 64-15	3656400015	40	30	6"	-	-	-		203,2	163,4	150,2	139,6	125,7	111,5	98,7	Rp3	47,5
6BHE 64-16	3656400016	40	30	6"	-	-	-		216	173,3	159,3	148,0	133,2	118,1	104,3	Rp3	50,2
6BHE 64-17	3656400017	40	30	6"	-	-	-		228,6	183,0	168,3	156,3	140,7	124,4	109,8	Rp3	52,8
6BHE 64-18	3656400018	50	37	6"	-	-	-		243,4	195,5	179,8	167,0	150,3	133,3	117,9	Rp3	55,4
6BHE 64-19	3656400019	50	37	6"	-	-	-		256,1	205,3	188,8	175,4	157,9	139,8	123,5	Rp3	58,0
6BHE 64-20	3656400020	50	37	6"	-	-	-		268,8	215,0	197,7	183,7	165,3	146,2	128,9	Rp3	60,7
6BHE 64-21	3656400021	50	37	6"	-	-	-		281,4	224,6	206,5	191,8	172,6	152,4	134,2	Rp3	63,3
6BHE 64-22	3656400022	60	45	6"	-	-	-		297,7	239,2	219,9	204,4	183,9	163,2	144,3	Rp3	65,9
6BHE 64-23	3656400023	60	45	6"	-	-	-		310,5	249,0	229,0	212,7	191,4	169,6	149,8	Rp3	68,5
6BHE 64-24	3656400024	60	45	6"	-	-	-		323,2	258,7	237,9	221,0	198,9	176,0	155,3	Rp3	71,1
6BHE 64-25	3656400025	60	45	6"	-	-	-		335,8	268,4	246,7	229,2	206,2	182,2	160,6	Rp3	73,7
6BHE 64-26	3656400026	60	45	6"	-	-	-		348,4	277,9	255,5	237,3	213,5	188,3	165,8	Rp3	76,3
6BHE 64-27	3656400027	75	55	8"	-	-	-		372,8	303,0	278,8	259,3	233,4	208,5	186,4	Rp3	82,6
6BHE 64-28	3656400028	75	55	8"	-	-	-		386,1	313,5	288,5	268,3	241,5	215,7	192,6	Rp3	85,3
6BHE 64-29	3656400029	75	55	8"	-	-	-		399,4	324,0	298,1	277,2	249,5	222,8	198,8	Rp3	87,9
6BHE 64-30	3656400030	75	55	8"	-	-	-		412,6	334,5	307,7	286,1	257,6	229,8	204,9	Rp3	90,5
6BHE 64-31	3656400031	75	55	8"	-	-	-		425,8	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 452)

# 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	I/min	0	100	133	167	200	250	300		
H=Total head [m]																	
6BHEL 13-5*	3651303005	5,5	4	6"	3	2,2	4"		56,1	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"		67,3	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"		78,5	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"		89,7	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"		100,9	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"		112,1	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"		123,3	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"		134,6	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"		145,8	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"		157,0	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"		168,2	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"		179,4	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"		190,6	172,3	164,7	154,5	140,9	106,3	63,1	Rp2½	20,5
6BHEL 13-18*	3651303018	12,5	9,3	6"	-	-	-		201,8	182,5	174,4	163,6	149,2	112,5	66,8	Rp2½	21,3
6BHEL 13-19*	3651303019	12,5	9,3	6"	-	-	-		213,0	192,6	184,1	172,7	157,5	118,8	70,5	Rp2½	22,0
6BHEL 13-20*	3651303020	12,5	9,3	6"	-	-	-		224,3	202,8	193,8	181,8	165,8	125,0	74,3	Rp2½	23,0
6BHEL 13-21*	3651303021	12,5	9,3	6"	-	-	-		235,5	212,9	203,4	190,8	174,0	131,3	78,0	Rp2½	23,5
6BHEL 13-22*	3651303022	12,5	9,3	6"	-	-	-		246,7	223,0	213,1	199,9	182,3	137,5	81,7	Rp2½	24,0
6BHEL 13-23*	3651303023	15	11	6"	-	-	-		257,9	233,2	222,8	209,0	190,6	143,8	85,4	Rp2½	25,0
6BHEL 13-24*	3651303024	15	11	6"	-	-	-		269,1	243,3	232,5	218,1	198,9	150,0	89,1	Rp2½	25,5
6BHEL 13-25*	3651303025	15	11	6"	-	-	-		280,3	253,4	242,2	227,2	207,2	156,3	92,8	Rp2½	26,5
6BHEL 13-26*	3651303026	15	11	6"	-	-	-		291,5	263,6	251,9	236,3	215,5	162,5	96,5	Rp2½	27,0
6BHEL 13-27*	3651303027	20	15	6"	-	-	-		302,7	273,7	261,6	245,4	223,8	168,8	100,2	Rp2½	29,0
6BHEL 13-28*	3651303028	20	15	6"	-	-	-		314,0	283,9	271,3	254,5	232,1	175,0	104,0	Rp2½	29,0
6BHEL 13-29*	3651303029	20	15	6"	-	-	-		325,2	294,0	280,9	263,5	240,3	181,3	107,7	Rp2½	30,5
6BHEL 13-30*	3651303030	20	15	6"	-	-	-		336,4	304,1	290,6	272,6	248,6	187,5	111,4	Rp2½	30,8
6BHEL 13-31*	3651303031	20	15	6"	-	-	-		347,6	314,3	300,3	281,7	256,9	193,8	115,1	Rp2½	31,0
6BHEL 13-32*	3651303032	20	15	6"	-	-	-		358,8	324,4	310,0	290,8	265,2	200,0	118,8	Rp2½	31,5
6BHEL 13-33*	3651303033	20	15	6"	-	-	-		370,0	334,5	319,7	299,9	273,5	206,3	122,5	Rp2½	32,5
6BHEL 13-34*	3651303034	20	15	6"	-	-	-		381,2	344,7	329,4	309,0	281,8	212,5	126,2	Rp2½	33,5
6BHEL 13-35*	3651303035	20	15	6"	-	-	-		392,4	354,8	339,1	318,1	290,1	218,8	129,9	Rp2½	34,0
6BHEL 13-36*	3651303036	20	15	6"	-	-	-		403,7	365,0	348,8	327,2	298,4	225,0	133,7	Rp2½	34,5
6BHEL 13-37*	3651303037	25	18,5	6"	-	-	-		414,9	375,1	358,4	336,2	306,6	231,3	137,4	Rp2½	35,3
6BHEL 13-38*	3651303038	25	18,5	6"	-	-	-		426,1	385,2	368,1	345,3	314,9	237,5	141,1	Rp2½	36,0
6BHEL 13-39*	3651303039	25	18,5	6"	-	-	-		437,3	395,4	377,8	354,4	323,2	243,8	144,8	Rp2½	37,3
6BHEL 13-40*	3651303040	25	18,5	6"	-	-	-		448,5	405,5	387,5	363,5	331,5	250,0	148,5	Rp2½	38,5
6BHEL 13-41*	3651303041	25	18,5	6"	-	-	-		459,7	415,6	397,2	372,6	339,8	256,3	152,2	Rp2½	38,8
6BHEL 13-42*	3651303042	25	18,5	6"	-	-	-		470,9	425,8	406,9	381,7	348,1	262,5	155,9	Rp2½	39,0
6BHEL 13-43*	3651303043	25	18,5	6"	-	-	-		482,1	435,9	416,6	390,8	356,4	268,8	159,6	Rp2½	39,8
6BHEL 13-44*	3651303044	25	18,5	6"	-	-	-		493,4	446,1	426,3	399,9	364,7	275,0	163,4	Rp2½	40,5
6BHEL 13-45*	3651303045	30	22	6"	-	-	-		504,6	456,2	435,9	408,9	372,9	281,3	167,1	Rp2½	41,3
6BHEL 13-46*	3651303046	30	22	6"	-	-	-		515,8	466,3	445,6	418,0	381,2	287,5	170,8	Rp2½	42,0
6BHEL 13-47*	3651303047	30	22	6"	-	-	-		527,0	476,5	455,3	427,1	389,5	293,8	174,5	Rp2½	43,0
6BHEL 13-48*	3651303048	30	22	6"	-	-	-		538,2	486,6	465,0	436,2	397,8	300,0	178,2	Rp2½	44,0
6BHEL 13-49*	3651303049	30	22	6"	-	-	-		549,4	496,7	474,7	445,3	406,1	306,3	181,9	Rp2½	45,0
6BHEL 13-50*	3651303050	30	22	6"	-	-	-		560,6	506,9	484,4	454,4	414,4	312,5	185,6	Rp2½	46,0
6BHEL 13-51*	3651303051	30	22	6"	-	-	-		571,8	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 452)

6BHEL



# 6BHEL 13

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

Model	Code	2 Poles										DNM	Weight [kg]			
		Standard Motor			Optional ** Motor			Q=Flow rate								
		HP	kW		HP	kW		l/min	0	100	133	167	200	250	300	
								m³/h	0	6	8	10	12	15	18	
6BHEL 13-52*	3651303052	30	22	6"	-	-	-	583,1	527,2	503,8	472,6	431,0	325,0	193,1	Rp2½	48,0
6BHEL 13-53*	3651303053	40	30	6"	-	-	-	594,3	537,3	513,4	481,6	439,2	331,3	196,8	Rp2½	48,8
6BHEL 13-54*	3651303054	40	30	6"	-	-	-	605,5	547,4	523,1	490,7	447,5	337,5	200,5	Rp2½	49,7
6BHEL 13-55*	3651303055	40	30	6"	-	-	-	616,7	557,6	532,8	499,8	455,8	343,8	204,2	Rp2½	50,5
6BHEL 13-56*	3651303056	40	30	6"	-	-	-	627,9	567,7	542,5	508,9	464,1	350,0	207,9	Rp2½	51,3
6BHEL 13-57*	3651303057	40	30	6"	-	-	-	639,1	577,8	552,2	518,0	472,4	356,3	211,6	Rp2½	52,2
6BHEL 13-58*	3651303058	40	30	6"	-	-	-	650,3	588,0	561,9	527,1	480,7	362,5	215,3	Rp2½	53,0
6BHEL 13-59*	3651303059	40	30	6"	-	-	-	661,5	598,1	571,6	536,2	489,0	368,8	219,0	Rp2½	54,0
6BHEL 13-60*	3651303060	40	30	6"	-	-	-	672,8	608,3	581,3	545,3	497,3	375,0	222,8	Rp2½	55,0
6BHEL 13-61*	3651303061	40	30	6"	-	-	-	684,0	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 452)

# 6BHEL 20

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



**2 Poles**

Model	Code	Standard			Optional **			I/min	Q=Flow rate							DNM	Weight [kg]	
		HP	kW	Motor	HP	kW	Motor		m³/h	0	6	100	167	200	250	350	450	
<b>H=Total head [m]</b>																		
6BHEL 20-6	3652063006	5,5	4	6"	5	3,7	4"		70,0	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"		81,7	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"		93,3	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"		105	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"		116,7	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"		128,3	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"		140	136,0	128,0	124,0	115,2	86,4	41,0	Rp2½	17,5	
6BHEL 20-13	3652003013	12,5	9,3	6"	-	-	-		151,7	147,1	138,7	134,3	124,8	93,6	44,5	Rp2½	18,5	
6BHEL 20-14	3652003014	12,5	9,3	6"	-	-	-		163,3	157,0	149,3	144,7	134,4	100,8	47,9	Rp2½	19,3	
6BHEL 20-15	3652003015	12,5	9,3	6"	-	-	-		175,0	170,5	160,0	155,0	144,0	108,0	51,3	Rp2½	20,0	
6BHEL 20-16	3652003016	15	11	6"	-	-	-		186,7	181,9	170,7	165,3	153,6	115,2	54,7	Rp2½	21,0	
6BHEL 20-17	3652003017	15	11	6"	-	-	-		198,3	193,2	181,3	175,7	163,2	122,4	58,1	Rp2½	22,0	
6BHEL 20-18	3652003018	15	11	6"	-	-	-		210,0	204,6	192,0	186,0	172,8	129,6	61,6	Rp2½	22,5	
6BHEL 20-19	3652003019	20	15	6"	-	-	-		221,7	216,0	202,7	196,3	182,4	136,8	65,0	Rp2½	23,5	
6BHEL 20-20	3652003020	20	15	6"	-	-	-		233,3	227,3	213,3	206,7	192,0	144,0	68,4	Rp2½	24,0	
6BHEL 20-21	3652003021	20	15	6"	-	-	-		245,0	238,7	224,0	217,0	201,6	151,2	71,8	Rp2½	25,0	
6BHEL 20-22	3652003022	20	15	6"	-	-	-		256,7	250,0	234,7	227,3	211,2	158,4	75,2	Rp2½	26,0	
6BHEL 20-23	3652003023	20	15	6"	-	-	-		268,3	261,4	245,3	237,7	220,8	165,6	78,7	Rp2½	26,5	
6BHEL 20-24	3652003024	20	15	6"	-	-	-		280,0	272,8	256,0	248,0	230,4	172,8	82,1	Rp2½	27,5	
6BHEL 20-25	3652003025	25	18,5	6"	-	-	-		291,7	284,2	266,7	258,3	240,0	180,0	85,5	Rp2½	28,3	
6BHEL 20-26	3652003026	25	18,5	6"	-	-	-		303,3	295,5	277,3	268,7	249,6	187,2	88,9	Rp2½	29,0	
6BHEL 20-27	3652003027	25	18,5	6"	-	-	-		315,0	306,0	288,0	279,0	259,2	194,4	92,3	Rp2½	31,0	
6BHEL 20-28	3652003028	25	18,5	6"	-	-	-		326,7	318,3	298,7	289,3	268,8	201,6	95,8	Rp2½	31,0	
6BHEL 20-29	3652003029	25	18,5	6"	-	-	-		338,3	329,6	309,3	299,7	278,4	208,8	99,2	Rp2½	31,5	
6BHEL 20-30	3652003030	25	18,5	6"	-	-	-		350,0	341,0	320,0	310,0	288,0	216,0	102,6	Rp2½	32,5	
6BHEL 20-31	3652003031	30	22	6"	-	-	-		361,7	352,4	330,7	320,3	297,6	223,2	106,0	Rp2½	33,3	
6BHEL 20-32	3652003032	30	22	6"	-	-	-		373,3	363,7	341,3	330,7	307,2	230,4	109,4	Rp2½	34,0	
6BHEL 20-33	3652003033	30	22	6"	-	-	-		385,0	375,1	352,0	341,0	316,8	237,6	112,9	Rp2½	35,0	
6BHEL 20-34	3652003034	30	22	6"	-	-	-		396,7	386,5	362,7	351,3	326,4	244,8	116,3	Rp2½	35,7	
6BHEL 20-35	3652003035	30	22	6"	-	-	-		408,3	397,8	373,3	361,7	336,0	252,0	119,7	Rp2½	36,3	
6BHEL 20-36	3652003036	30	22	6"	-	-	-		420,0	409,2	384,0	372,0	345,6	259,2	123,1	Rp2½	37,0	
6BHEL 20-37	3652003037	40	30	6"	-	-	-		431,7	420,6	394,7	382,3	355,2	266,4	126,5	Rp2½	38,4	
6BHEL 20-38	3652003038	40	30	6"	-	-	-		443,3	431,9	405,3	392,7	364,8	273,6	130,0	Rp2½	39,8	
6BHEL 20-39	3652003039	40	30	6"	-	-	-		455,0	443,0	416,0	403,0	374,4	280,8	133,4	Rp2½	40,0	
6BHEL 20-40	3652003040	40	30	6"	-	-	-		466,7	455,0	426,7	413,3	384,0	288,0	136,8	Rp2½	40,5	
6BHEL 20-41	3652003041	40	30	6"	-	-	-		478,3	466,0	437,3	423,7	393,6	295,2	140,2	Rp2½	41,8	
6BHEL 20-42	3652003042	40	30	6"	-	-	-		490,0	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 452)

6BHEL

# 6BHEL 20

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



Model	Code	Standard			Optional **			l/min m³/h	Q=Flow rate							DNM	Weight [kg]
		HP	kW	Motor	HP	kW	Motor		0	100	167	200	250	350	450		
									0	6	10	12	15	21	27		
6BHEL 20-43	3652003043	40	30	6"	-	-	-	501,7	489,0	458,7	444,3	412,8	309,6	147,1	Rp2½	44,0	
6BHEL 20-44	3652003044	40	30	6"	-	-	-	513,3	500,0	469,3	454,7	422,4	316,8	150,5	Rp2½	45,0	
6BHEL 20-45	3652003045	40	30	6"	-	-	-	525,0	511,5	480,0	465,0	432,0	324,0	153,9	Rp2½	46,0	
6BHEL 20-46	3652003046	40	30	6"	-	-	-	536,7	523,0	490,7	475,3	441,6	331,2	157,3	Rp2½	47,0	
6BHEL 20-47	3652003047	40	30	6"	-	-	-	548,3	534,2	501,3	485,7	451,2	338,4	160,7	Rp2½	47,5	
6BHEL 20-48	3652003048	40	30	6"	-	-	-	560,0	545,6	512,0	496,0	460,8	345,6	164,2	Rp2½	48,0	
6BHEL 20-49	3652003049	40	30	6"	-	-	-	571,7	557,0	522,7	506,3	470,4	352,8	167,6	Rp2½	50,0	
6BHEL 20-50	3652003050	50	37	6"	-	-	-	583,3	568,3	533,3	516,7	480,0	360,0	171,0	Rp2½	51,0	
6BHEL 20-51	3652003051	50	37	6"	-	-	-	595,0	579,7	544,0	527,0	489,6	367,2	174,4	Rp2½	52,0	
6BHEL 20-52	3652003052	50	37	6"	-	-	-	606,7	591,1	554,7	537,3	499,2	374,4	177,8	Rp2½	53,0	
6BHEL 20-53	3652003053	50	37	6"	-	-	-	618,3	602,4	565,3	547,7	508,8	381,6	181,3	Rp2½	54,0	
6BHEL 20-54	3652003054	50	37	6"	-	-	-	630,0	613,8	576,0	558,0	518,4	388,8	184,7	Rp2½	55,0	
6BHEL 20-55	3652003055	50	37	6"	-	-	-	641,7	625,2	586,7	568,3	528,0	396,0	188,1	Rp2½	56,0	
6BHEL 20-56	3652003056	50	37	6"	-	-	-	653,3	636,5	597,3	578,7	537,6	403,2	191,5	Rp2½	57,0	
6BHEL 20-57	3652003057	50	37	6"	-	-	-	665,0	647,9	608,0	589,0	547,2	410,4	194,9	Rp2½	58,0	
6BHEL 20-58	3652003058	50	37	6"	-	-	-	676,7	659,3	618,7	599,3	556,8	417,6	198,4	Rp2½	59,0	
6BHEL 20-59	3652003059	50	37	6"	-	-	-	688,3	670,6	629,3	609,7	566,4	424,8	201,8	Rp2½	60,0	
6BHEL 20-60	3652003060	50	37	6"	-	-	-	700,0	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 452)

# 6BHEL 32

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



**2 Poles**

Model	Code	Standard Motor			Optional ** Motor			l/min	m <sup>3</sup> /h	Q=Flow rate							DNM	Weight [kg]
		HP	kW	Motor	HP	kW	Motor			0	5	10	20	25	35	45		
6BHEL 32-3	3653203003	5,5	4	6"	5	3,7	4"			46,3	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"			62,5	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"			78,6	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"			93,1	88,4	83,4	72,6	67,1	54,0	31,2	Rp3	21,0
6BHEL 32-7	3653203007	12,5	9,3	6"	-	-	-			110	104,2	98,4	86,0	79,7	64,6	38,4	Rp3	23,1
6BHEL 32-8	3653203008	15	11	6"	-	-	-			125,5	119,4	113,3	98,1	90,9	73,6	43,5	Rp3	25,4
6BHEL 32-9	3653203009	15	11	6"	-	-	-			140,1	132,7	125,3	109,3	101,1	81,4	47,3	Rp3	27,3
6BHEL 32-10	3653203010	20	15	6"	-	-	-			158,2	149,9	141,6	123,8	114,9	93,5	56,1	Rp3	29,4
6BHEL 32-11	3653203011	20	15	6"	-	-	-			173,0	163,9	154,8	135,3	125,4	101,7	60,4	Rp3	31,5
6BHEL 32-12	3653203012	20	15	6"	-	-	-			187,7	177,8	167,9	146,6	135,7	109,6	64,4	Rp3	33,6
6BHEL 32-13	3653203013	25	18,5	6"	-	-	-			205,2	194,0	183,7	160,6	148,9	121,1	72,4	Rp3	35,7
6BHEL 32-14	3653203014	25	18,5	6"	-	-	-			220,0	208,5	196,9	172,1	159,4	129,2	76,7	Rp3	37,8
6BHEL 32-15	3653203015	30	22	6"	-	-	-			237,0	224,6	212,2	185,5	172,1	140,0	84,0	Rp3	39,9
6BHEL 32-16	3653203016	30	22	6"	-	-	-			251,9	238,7	225,5	197,1	182,6	148,3	88,3	Rp3	42,0
6BHEL 32-17	3653203017	30	22	6"	-	-	-			266,7	252,6	238,5	208,4	193,0	156,4	92,5	Rp3	44,1
6BHEL 32-18	3653203018	30	22	6"	-	-	-			281,3	226,8	251,8	219,7	203,3	164,3	96,5	Rp3	46,1
6BHEL 32-19	3653203019	40	30	6"	-	-	-			302,1	286,0	270,5	236,8	219,9	179,7	109,1	Rp3	48,2
6BHEL 32-20	3653203020	40	30	6"	-	-	-			317,3	300,6	284,0	248,6	230,7	188,2	113,8	Rp3	50,3
6BHEL 32-21	3653203021	40	30	6"	-	-	-			332,3	315,0	297,4	260,2	241,5	196,7	118,3	Rp3	52,4
6BHEL 32-22	3653203022	40	30	6"	-	-	-			347,3	329,1	310,9	271,8	252,1	205,0	122,7	Rp3	54,5
6BHEL 32-23	3653203023	40	30	6"	-	-	-			362,2	343,2	324,1	283,4	262,6	213,2	127,0	Rp3	56,6
6BHEL 32-24	3653203024	40	30	6"	-	-	-			377,0	357,2	337,3	294,8	273,1	221,4	131,2	Rp3	58,7
6BHEL 32-25	3653203025	50	37	6"	-	-	-			395,2	374,5	353,8	309,4	287,0	233,5	140,1	Rp3	60,8
6BHEL 32-26	3653203026	50	37	6"	-	-	-			410,1	388,1	367,0	320,9	297,5	241,8	144,5	Rp3	62,9
6BHEL 32-27	3653203027	50	37	6"	-	-	-			425,0	402,6	380,3	332,4	308,1	250,0	148,8	Rp3	65,0
6BHEL 32-28	3653203028	50	37	6"	-	-	-			439,8	416,7	393,5	343,8	318,5	258,1	152,9	Rp3	67,2
6BHEL 32-29	3653203029	50	37	6"	-	-	-			454,5	430,5	406,5	355,2	328,9	266,2	157,0	Rp3	69,2
6BHEL 32-30	3653203030	50	37	6"	-	-	-			469,1	436,0	420,0	366,4	339,1	274,1	160,9	Rp3	71,3
6BHEL 32-31	3653203031	60	45	6"	-	-	-			490,0	464,3	438,6	383,6	355,8	289,4	173,6	Rp3	72,4
6BHEL 32-32	3653203032	60	45	6"	-	-	-			505,0	478,5	451,9	395,2	366,4	297,7	177,9	Rp3	75,5
6BHEL 32-33	3653203033	60	45	6"	-	-	-			519,8	492,5	465,2	406,7	376,9	305,9	182,1	Rp3	77,6
6BHEL 32-34	3653203034	60	45	6"	-	-	-			534,6	513,0	491,5	418,1	387,3	314,0	186,2	Rp3	79,7
6BHEL 32-35	3653203035	60	45	6"	-	-	-			549,4	520,5	491,5	429,5	397,7	322,0	190,2	Rp3	81,8
6BHEL 32-36	3653203036	60	45	6"	-	-	-			564,1	534,5	504,9	440,8	408,0	329,9	194,2	Rp3	85,1
6BHEL 32-37	3653203037	60	45	6"	-	-	-			578,7	548,1	517,6	452,0	418,2	337,7	198,0	Rp3	87,2
6BHEL 32-38	3653203038	75	55	8"	-	-	-			612,9	581,2	549,2	481,6	448,2	368,6	229,2	Rp3	92,3
6BHEL 32-39	3653203039	75	55	8"	-	-	-			628,4	595,8	563,1	493,7	459,4	377,6	234,4	Rp3	94,5
6BHEL 32-40	3653203040	75	55	8"	-	-	-			644,0	610,5	577,0	505,8	470,6	386,6	239,6	Rp3	96,6
6BHEL 32-41	3653203041	75	55	8"	-	-	-			659,4	625,2	590,9	517,9	481,7	395,6	244,7	Rp3	97,6
6BHEL 32-42	3653203042	75	55	8"	-	-	-			674,9	639,8	604,7	529,9	492,8	404,5	249,8	Rp3	98,7
6BHEL 32-43	3653203043	75	55	8"	-	-	-			690,3	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 452)

6BHEL

# 6BHEL 48

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



Model	Code	2 Poles										DNM	Weight [kg]								
		Standard			Optional **			Q=Flow rate													
		HP	kW	Motor	HP	kW	Motor	I/min	0	416,5	500	583,5	666,5	833,5	1000						
m³/h														H=Total head [m]							
m³/h														m³/h	0	25	30	35	40	50	60
6BHEL 48-2	3654803002	5,5	4	6"	4	3	4"		26,4	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"		39,4	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"		52,5	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"		66,1	56,8	52,3	48,3	44,7	37,8	28,4	Rp3	21,4				
6BHEL 48-6	3654803006	12,5	9,3	6"	-	-	-		80,7	70,0	65,2	60,4	55,5	46,0	35,7	Rp3	24,0				
6BHEL 48-7	3654803007	12,5	9,3	6"	-	-	-		93,1	80,4	74,8	69,3	63,5	52,7	40,5	Rp3	26,6				
6BHEL 48-8	3654803008	15	11	6"	-	-	-		106,1	91,6	85,1	78,9	72,2	59,9	46,0	Rp3	29,2				
6BHEL 48-9	3654803009	20	15	6"	-	-	-		121,5	105,5	98,2	91,0	83,7	69,5	54,1	Rp3	31,8				
6BHEL 48-10	3654803010	20	15	6"	-	-	-		134	116,1	108	100,1	91,9	76,2	59,0	Rp3	34,4				
6BHEL 48-11	3654803011	20	15	6"	-	-	-		146,3	126,5	117,6	109,0	99,9	82,8	63,7	Rp3	37,0				
6BHEL 48-12	3654803012	25	18,5	6"	-	-	-		161,3	140,0	130,3	120,8	110,9	92,0	71,4	Rp3	39,6				
6BHEL 48-13	3654803013	25	18,5	6"	-	-	-		173,8	150,5	140,0	129,8	119,0	98,7	76,3	Rp3	42,2				
6BHEL 48-14	3654803014	25	18,5	6"	-	-	-		186,1	160,9	149,5	138,7	127,0	105,3	81,0	Rp3	44,8				
6BHEL 48-15	3654803015	30	22	6"	-	-	-		200,8	174,1	161,9	150,1	137,7	114,3	88,4	Rp3	47,4				
6BHEL 48-16	3654803016	30	22	6"	-	-	-		213,2	184,5	171,5	159,1	145,8	120,9	93,2	Rp3	50,1				
6BHEL 48-17	3654803017	30	22	6"	-	-	-		225,4	194,7	181,0	167,8	153,6	127,3	97,8	Rp3	52,7				
6BHEL 48-18	3654803018	40	30	6"	-	-	-		243,8	212,3	197,6	183,1	168,6	139,9	109,2	Rp3	55,3				
6BHEL 48-19	3654803019	40	30	6"	-	-	-		256,6	223,1	207,7	192,5	177,0	146,9	114,4	Rp3	57,9				
6BHEL 48-20	3654803020	40	30	6"	-	-	-		269,2	233,8	217,6	201,7	185,3	153,7	119,5	Rp3	60,5				
6BHEL 48-21	3654803021	40	30	6"	-	-	-		281,8	244,4	227,4	210,8	193,5	160,5	124,4	Rp3	63,1				
6BHEL 48-22	3654803022	40	30	6"	-	-	-		294,2	254,9	237,0	219,8	201,6	167,2	129,3	Rp3	65,7				
6BHEL 48-23	3654803023	40	30	6"	-	-	-		306,6	265,2	246,6	228,6	209,5	173,8	134,0	Rp3	68,3				
6BHEL 48-24	3654803024	50	37	6"	-	-	-		322,4	279,8	260,3	241,3	221,6	183,8	142,6	Rp3	70,9				
6BHEL 48-25	3654803025	50	37	6"	-	-	-		334,9	290,3	270,0	250,3	229,7	190,6	147,5	Rp3	73,5				
6BHEL 48-26	3654803026	50	37	6"	-	-	-		347,3	300,7	279,6	259,3	237,8	197,2	152,3	Rp3	76,1				
6BHEL 48-27	3654803027	50	37	6"	-	-	-		359,6	311,1	289,2	268,2	245,7	203,7	157,0	Rp3	79,3				
6BHEL 48-28	3654803028	50	37	6"	-	-	-		371,8	321,3	298,6	276,9	253,6	210,2	161,7	Rp3	82,0				
6BHEL 48-29	3654803029	60	45	6"	-	-	-		390,1	338,7	315,1	292,1	268,3	222,6	172,9	Rp3	84,6				
6BHEL 48-30	3654803030	60	45	6"	-	-	-		402,7	349,2	324,9	301,1	276,5	229,4	177,8	Rp3	87,2				
6BHEL 48-31	3654803031	60	45	6"	-	-	-		415,1	359,6	334,5	310,1	284,5	236,0	182,6	Rp3	89,8				
6BHEL 48-32	3654803032	60	45	6"	-	-	-		427,5	370,0	344,1	319,0	292,5	242,6	187,4	Rp3	92,4				
6BHEL 48-33	3654803033	60	45	6"	-	-	-		439,8	380,3	353,5	327,8	300,4	249,1	192,0	Rp3	95,0				
6BHEL 48-34	3654803034	75	55	8"	-	-	-		469,3	410,9	383,1	354,8	328,0	271,9	215,7	Rp3	100,8				
6BHEL 48-35	3654803035	75	55	8"	-	-	-		482,5	422,3	393,7	364,6	337,0	279,4	221,4	Rp3	103,5				
6BHEL 48-36	3654803036	75	55	8"	-	-	-		495,7	433,7	404,3	374,4	345,9	286,8	227,0	Rp3	106,1				
6BHEL 48-37	3654803037	75	55	8"	-	-	-		508,9	445,0	414,8	384,1	354,8	294,2	233,6	Rp3	108,7				
6BHEL 48-38	3654803038	75	55	8"	-	-	-		522	456,3	425,3	393,8	363,7	301,6	238,2	Rp3	111,3				
6BHEL 48-39	3654803039	75	55	8"	-	-	-		535,1	467,5	435,7	403,5	372,5	308,9	243,8	Rp3	114,0				
6BHEL 48-40	3654803040	75	55	8"	-	-	-		548,1	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 452)

# 6BHEL 64

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



Model	Code	2 Poles												DNM	Weight [kg]		
		Standard Motor			Optional ** Motor			Q=Flow rate									
		HP	kW		HP	kW		I/min	0	666,5	750	833,5	1000	1166,5	1250		
H=Total head [m]																	
6BHEL 64-2	3656403002	5,5	4	6"	5	3,7	4"		26,8	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"		40,4	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"		54	42,5	38,4	35,0	31,6	28,0	25,2	Rp3	18,8
6BHEL 64-5	3656403005	12,5	9,3	6"	-	-	-		68	53,8	48,7	44,3	40,1	35,6	32,2	Rp3	21,4
6BHEL 64-6	3656403006	15	11	6"	-	-	-		81,2	64,0	57,9	52,7	47,7	42,3	38,1	Rp3	24,0
6BHEL 64-7	3656403007	20	15	6"	-	-	-		94,9	76,2	70,1	65,2	58,6	52,1	46,1	Rp3	26,7
6BHEL 64-8	3656403008	20	15	6"	-	-	-		107,6	86,0	79,1	73,5	66,1	58,5	51,6	Rp3	29,3
6BHEL 64-9	3656403009	20	15	6"	-	-	-		120,1	95,5	87,8	81,5	73,4	64,6	56,8	Rp3	31,9
6BHEL 64-10	3656403010	25	18,5	6"	-	-	-		134,5	107,6	99,0	91,9	82,7	73,2	64,6	Rp3	34,5
6BHEL 64-11	3656403011	25	18,5	6"	-	-	-		147	117,2	107,8	100,1	90,0	79,4	69,8	Rp3	37,1
6BHEL 64-12	3656403012	30	22	6"	-	-	-		161,2	128,9	118,5	110,1	99,1	87,6	77,3	Rp3	39,7
6BHEL 64-13	3656403013	30	22	6"	-	-	-		173,7	138,5	127,3	118,2	106,4	93,8	82,5	Rp3	42,3
6BHEL 64-14	3656403014	40	30	6"	-	-	-		190,3	153,3	141,0	131,1	118,0	104,9	93,0	Rp3	44,9
6BHEL 64-15	3656403015	40	30	6"	-	-	-		203,2	163,4	150,2	139,6	125,7	111,5	98,7	Rp3	47,5
6BHEL 64-16	3656403016	40	30	6"	-	-	-		216	173,3	159,3	148,0	133,2	118,1	104,3	Rp3	50,2
6BHEL 64-17	3656403017	40	30	6"	-	-	-		228,6	183,0	168,3	156,3	140,7	124,4	109,8	Rp3	52,8
6BHEL 64-18	3656403018	50	37	6"	-	-	-		243,4	195,5	179,8	167,0	150,3	133,3	117,9	Rp3	55,4
6BHEL 64-19	3656403019	50	37	6"	-	-	-		256,1	205,3	188,8	175,4	157,9	139,8	123,5	Rp3	58,0
6BHEL 64-20	3656403020	50	37	6"	-	-	-		268,8	215,0	197,7	183,7	165,3	146,2	128,9	Rp3	60,7
6BHEL 64-21	3656403021	50	37	6"	-	-	-		281,4	224,6	206,5	191,8	172,6	152,4	134,2	Rp3	63,3
6BHEL 64-22	3656403022	60	45	6"	-	-	-		297,7	239,2	219,9	204,4	183,9	163,2	144,3	Rp3	65,9
6BHEL 64-23	3656403023	60	45	6"	-	-	-		310,5	249,0	229,0	212,7	191,4	169,6	149,8	Rp3	68,5
6BHEL 64-24	3656403024	60	45	6"	-	-	-		323,2	258,7	237,9	221,0	198,9	176,0	155,3	Rp3	71,1
6BHEL 64-25	3656403025	60	45	6"	-	-	-		335,8	268,4	246,7	229,2	206,2	182,2	160,6	Rp3	73,7
6BHEL 64-26	3656403026	60	45	6"	-	-	-		348,4	277,9	255,5	237,3	213,5	188,3	165,8	Rp3	76,3
6BHEL 64-27	3656403027	75	55	8"	-	-	-		372,8	303,0	278,8	259,3	233,4	208,5	186,4	Rp3	82,6
6BHEL 64-28	3656403028	75	55	8"	-	-	-		386,1	313,5	288,5	268,3	241,5	215,7	192,6	Rp3	85,3
6BHEL 64-29	3656403029	75	55	8"	-	-	-		399,4	324,0	298,1	277,2	249,5	222,8	198,8	Rp3	87,9
6BHEL 64-30	3656403030	75	55	8"	-	-	-		412,6	334,5	307,7	286,1	257,6	229,8	204,9	Rp3	90,5
6BHEL 64-31	3656403031	75	55	8"	-	-	-		425,8	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 452)



# 8BHE(L)

**8" borehole centrifugal pumps in AISI 304 and 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



AISI  
316

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<sup>3</sup>

**Poles** 2

**Insulation class** F

**Protection  
degree** IP58 (OY),  
IP68 (WY)

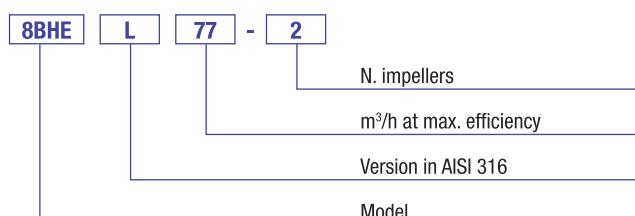
**Voltage** Three phase 3~380-415V ±10% OY  
Three phase 3~380-415V -10%+6% WY

The pump does not have an internal motor protector, therefore overload protection must be provided by the user.

## Materials

<b>External casing</b>	AISI 304 (EN 1.4301) AISI 316 (EN 1.4401) (L version)
<b>Impeller</b>	AISI 316 (EN 1.4401)
<b>Shaft</b>	AISI 329 (EN 1.4460)
<b>Discharge casing</b>	AISI 304 (EN 1.4301) AISI 316 (EN 1.4401) (L version)
<b>Motor connection</b>	AISI 304 (EN 1.4301) AISI 316 (EN 1.4401) (L version)

## Identification code



## Accessories



### Capacitors

Page 449 - Capacitors 450V



### Floats

Page 443 - Key floats with counterweight



### Control systems

Page 431 - Presscomfort

Pressure regulator

Page 432 - Servopress

Pressure regulator

Page 430 - E-power

Variable speed control systems

Page 426 - E-SPD

Variable speed control systems

Page 428 - E-drive

Variable speed control systems

Page 424 - Control panels

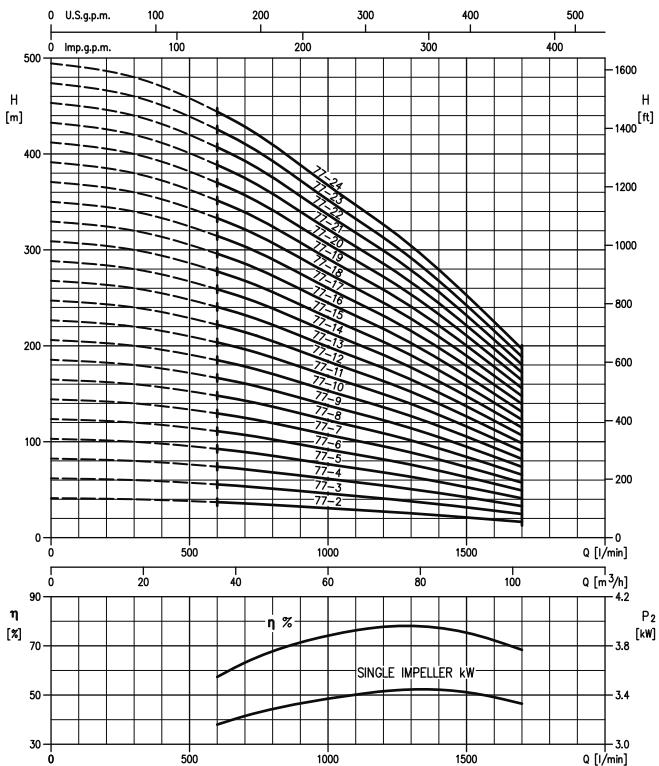
SMART EVO 1-2, DIRECTO 1-2,  
STARDELTA 1-2

# 8BHE(L)

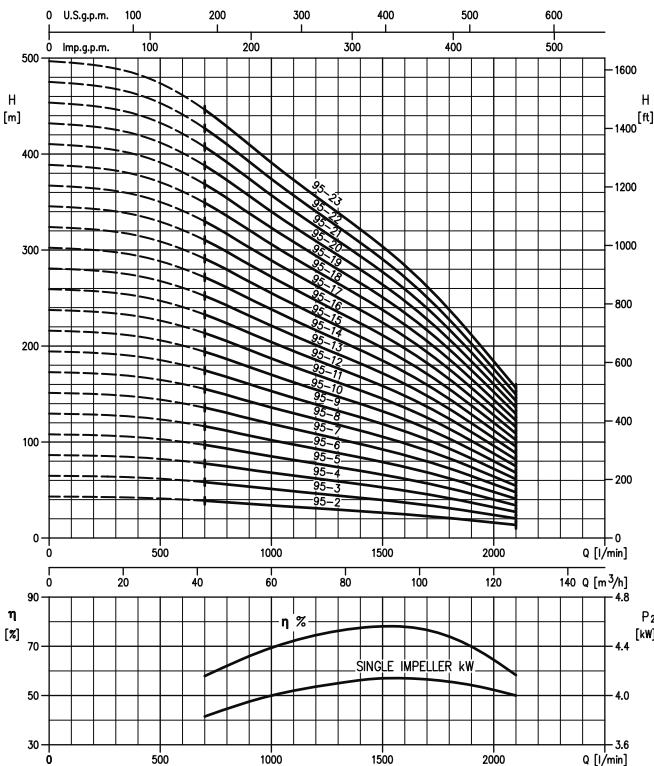
8" borehole centrifugal pumps in AISI 304 (hydraulic only)



## 8BHE(L) 77



## 8BHE(L) 95



# 8BHE

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

Model	Code	HP	kW	Motor	Q=Flow rate										DNM	Weight [kg]
					I/min	0	600	700	1000	1250	1500	1700	1900	2100		
					m³/h	0	36	42	60	75	90	102	114	126		
H=Total head [m]																
86BHE 77-2	3657701102	10	7,5	6"		41,0	37,0	35,7	30,6	26,3	21,1	16,4	-	-	Rp5	31,5
86BHE 77-3	3657701103	15	11	6"		62,0	55,5	53,5	46,0	39,5	31,6	24,6	-	-	Rp5	36,5
86BHE 77-4	3657701104	20	15	6"		82,5	74,0	71,5	61,0	52,5	42,0	32,8	-	-	Rp5	41,5
86BHE 77-5	3657701105	25	18,5	6"		103,0	92,5	89,5	76,5	66,0	52,5	41,0	-	-	Rp5	46,5
86BHE 77-6	3657701106	30	22	6"		124,0	111,0	107,0	92,0	79,0	63,0	49,0	-	-	Rp5	51,0
86BHE 77-7	3657701107	40	30	6"		144,0	130,0	125,0	107,0	92,0	73,5	57,5	-	-	Rp5	56,0
86BHE 77-8	3657701108	40	30	6"		165,0	148,0	143,0	122,0	105,0	84,0	65,5	-	-	Rp5	61,0
86BHE 77-9	3657701109	40	30	6"		185,0	167,0	161,0	138,0	118,0	95,0	74,0	-	-	Rp5	66,0
86BHE 77-10	3657701110	50	37	6"		206,0	185,0	179,0	153,0	132,0	105,0	82,0	-	-	Rp5	71,0
86BHE 77-11	3657701111	50	37	6"		227,0	204,0	196,0	168,0	145,0	116,0	90,0	-	-	Rp5	76,0
8BHE 77-12	3657701012	60	45	8"		247,0	222,0	214,0	184,0	158,0	126,0	98,5	-	-	Rp5	82,0
8BHE 77-13	3657701013	75	55	8"		268,0	241,0	232,0	199,0	171,0	137,0	107,0	-	-	Rp5	87,0
8BHE 77-14	3657701014	75	55	8"		288,0	259,0	250,0	214,0	184,0	147,0	115,0	-	-	Rp5	92,0
8BHE 77-15	3657701015	75	55	8"		309,0	278,0	268,0	230,0	197,0	158,0	123,0	-	-	Rp5	97,0
8BHE 77-16	3657701016	100	75	8"		330,0	296,0	286,0	245,0	210,0	168,0	131,0	-	-	Rp5	101,5
8BHE 77-17	3657701017	100	75	8"		350,0	315,0	303,0	260,0	224,0	179,0	139,0	-	-	Rp5	106,5
8BHE 77-18	3657701018	100	75	8"		371,0	333,0	321,0	275,0	237,0	190,0	148,0	-	-	Rp5	111,5
8BHE 77-19	3657701019	100	75	8"		391,0	352,0	339,0	291,0	250,0	200,0	156,0	-	-	Rp5	116,5
8BHE 77-20	3657701020	100	75	8"		412,0	370,0	357,0	306,0	263,0	211,0	164,0	-	-	Rp5	121,0
8BHE 77-21	3657701021	100	75	8"		433,0	389,0	375,0	321,0	276,0	221,0	172,0	-	-	Rp5	126,0
8BHE 77-22	3657701022	125	93	8"		453,0	407,0	393,0	337,0	289,0	232,0	180,0	-	-	Rp5	131,0
8BHE 77-23	3657701023	125	93	8"		474,0	426,0	411,0	352,0	302,0	242,0	189,0	-	-	Rp5	136,0
8BHE 77-24	3657701024	125	93	8"		494,0	444,0	428,0	367,0	316,0	253,0	197,0	-	-	Rp5	141,0
86BHE 95-2	3659501102	12,5	9,2	6"		43,0	-	38,8	34,0	30,2	26,4	22,8	18,4	13,6	Rp5	31,5
86BHE 95-3	3659501103	20	15	6"		65,0	-	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"		86,5	-	77,5	68,0	60,5	53,0	45,5	36,8	27,2	Rp5	41,5
86BHE 95-5	3659501105	30	22	6"		108,0	-	97,0	85,0	75,5	66,0	57,0	46,0	34,0	Rp5	46,0
86BHE 95-6	3659501106	40	30	6"		130,0	-	116,0	102,0	90,5	79,0	68,5	55,0	41,0	Rp5	51,0
86BHE 95-7	3659501107	40	30	6"		151,0	-	136,0	119,0	106,0	92,5	80,0	64,5	47,5	Rp5	56,0
86BHE 95-8	3659501108	50	37	6"		173,0	-	155,0	136,0	121,0	106,0	91,0	73,5	54,5	Rp5	61,0
86BHE 95-9	3659501109	50	37	6"		194,0	-	175,0	153,0	136,0	119,0	103,0	83,0	61,0	Rp5	66,0
8BHE 95-10	3659501010	60	45	8"		216,0	-	194,0	170,0	151,0	132,0	114,0	92,0	68,0	Rp5	72,0
8BHE 95-11	3659501011	75	55	8"		238,0	-	213,0	187,0	166,0	145,0	125,0	101,0	75,0	Rp5	77,0
8BHE 95-12	3659501012	75	55	8"		259,0	-	233,0	204,0	181,0	158,0	137,0	110,0	81,5	Rp5	82,0
8BHE 95-13	3659501013	75	55	8"		281,0	-	252,0	221,0	196,0	172,0	148,0	120,0	88,5	Rp5	87,0
8BHE 95-14	3659501014	100	75	8"		302,0	-	272,0	238,0	211,0	185,0	160,0	129,0	95,0	Rp5	92,0
8BHE 95-15	3659501015	100	75	8"		324,0	-	291,0	255,0	227,0	198,0	171,0	138,0	102,0	Rp5	97,0
8BHE 95-16	3659501016	100	75	8"		346,0	-	310,4	272,0	242,0	211,0	182,0	147,0	109,0	Rp5	102,0
8BHE 95-17	3659501017	100	75	8"		367,0	-	330,0	289,0	257,0	224,0	194,0	156,0	116,0	Rp5	106,5
8BHE 95-18	3659501018	125	93	8"		389,0	-	349,0	306,0	272,0	238,0	205,0	166,0	122,0	Rp5	111,5
8BHE 95-19	3659501019	125	93	8"		410,0	-	369,0	323,0	287,0	251,0	217,0	175,0	129,0	Rp5	116,5
8BHE 95-20	3659501020	125	93	8"		432,0	-	388,0	340,0	302,0	264,0	228,0	184,0	136,0	Rp5	121,0
8BHE 95-21	3659501021	125	93	8"		454,0	-	407,0	357,0	317,0	277,0	239,0	193,0	143,0	Rp5	126,0
8BHE 95-22	3659501022	150	110	8"		475,0	-	427,0	374,0	332,0	290,0	251,0	202,0	150,0	Rp5	131,0
8BHE 95-23	3659501023	150	110	8"		497,0	-	446,0	391,0	347,0	304,0	262,0	212,0	156,0	Rp5	136,0

# 8BHEL

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



Model	Code	HP	kW	Motor	Q=Flow rate										DNM	Weight [kg]
					I/min	0	600	700	1000	1250	1500	1700	1900	2100		
					m³/h	0	36	42	60	75	90	102	114	126		
H=Total head [m]																
86BHEL 77-2	3657700102	10	7,5	6"		41,0	37,0	35,7	30,6	26,3	21,1	16,4	-	-	Rp5	31,5
86BHEL 77-3	3657700103	15	11	6"		62,0	55,5	53,5	46,0	39,5	31,6	24,6	-	-	Rp5	36,5
86BHEL 77-4	3657700104	20	15	6"		82,5	74,0	71,5	61,0	52,5	42,0	32,8	-	-	Rp5	41,5
86BHEL 77-5	3657700105	25	18,5	6"		103,0	92,5	89,5	76,5	66,0	52,5	41,0	-	-	Rp5	46,5
86BHEL 77-6	3657700106	30	22	6"		124,0	111,0	107,0	92,0	79,0	63,0	49,0	-	-	Rp5	51,0
86BHEL 77-7	3657700107	40	30	6"		144,0	130,0	125,0	107,0	92,0	73,5	57,5	-	-	Rp5	56,0
86BHEL 77-8	3657700108	40	30	6"		165,0	148,0	143,0	122,0	105,0	84,0	65,5	-	-	Rp5	61,0
86BHEL 77-9	3657700109	40	30	6"		185,0	167,0	161,0	138,0	118,0	95,0	74,0	-	-	Rp5	66,0
86BHEL 77-10	3657700110	50	37	6"		206,0	185,0	179,0	153,0	132,0	105,0	82,0	-	-	Rp5	71,0
86BHEL 77-11	3657700111	50	37	6"		227,0	204,0	196,0	168,0	145,0	116,0	90,0	-	-	Rp5	76,0
8BHEL 77-12	3657700012	60	45	8"		247,0	222,0	214,0	184,0	158,0	126,0	98,5	-	-	Rp5	82,0
8BHEL 77-13	3657700013	75	55	8"		268,0	241,0	232,0	199,0	171,0	137,0	107,0	-	-	Rp5	87,0
8BHEL 77-14	3657700014	75	55	8"		288,0	259,0	250,0	214,0	184,0	147,0	115,0	-	-	Rp5	92,0
8BHEL 77-15	3657700015	75	55	8"		309,0	278,0	268,0	230,0	197,0	158,0	123,0	-	-	Rp5	97,0
8BHEL 77-16	3657700016	100	75	8"		330,0	296,0	286,0	245,0	210,0	168,0	131,0	-	-	Rp5	101,5
8BHEL 77-17	3657700017	100	75	8"		350,0	315,0	303,0	260,0	224,0	179,0	139,0	-	-	Rp5	106,5
8BHEL 77-18	3657700018	100	75	8"		371,0	333,0	321,0	275,0	237,0	190,0	148,0	-	-	Rp5	111,5
8BHEL 77-19	3657700019	100	75	8"		391,0	352,0	339,0	291,0	250,0	200,0	156,0	-	-	Rp5	116,5
8BHEL 77-20	3657700020	100	75	8"		412,0	370,0	357,0	306,0	263,0	211,0	164,0	-	-	Rp5	121,0
8BHEL 77-21	3657700021	100	75	8"		433,0	389,0	375,0	321,0	276,0	221,0	172,0	-	-	Rp5	126,0
8BHEL 77-22	3657700022	125	93	8"		453,0	407,0	393,0	337,0	289,0	232,0	180,0	-	-	Rp5	131,0
8BHEL 77-23	3657700023	125	93	8"		474,0	426,0	411,0	352,0	302,0	242,0	189,0	-	-	Rp5	136,0
8BHEL 77-24	3657700024	125	93	8"		494,0	444,0	428,0	367,0	316,0	253,0	197,0	-	-	Rp5	141,0
86BHEL 95-2	3659500102	12,5	9,2	6"		43,0	-	38,8	34,0	30,2	26,4	22,8	18,4	13,6	Rp5	31,5
86BHEL 95-3	3659500103	20	15	6"		65,0	-	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"		86,5	-	77,5	68,0	60,5	53,0	45,5	36,8	27,2	Rp5	41,5
86BHEL 95-5	3659500105	30	22	6"		108,0	-	97,0	85,0	75,5	66,0	57,0	46,0	34,0	Rp5	46,0
86BHEL 95-6	3659500106	40	30	6"		130,0	-	116,0	102,0	90,5	79,0	68,5	55,0	41,0	Rp5	51,0
86BHEL 95-7	3659500107	40	30	6"		151,0	-	136,0	119,0	106,0	92,5	80,0	64,5	47,5	Rp5	56,0
86BHEL 95-8	3659500108	50	37	6"		173,0	-	155,0	136,0	121,0	106,0	91,0	73,5	54,5	Rp5	61,0
86BHEL 95-9	3659500109	50	37	6"		194,0	-	175,0	153,0	136,0	119,0	103,0	83,0	61,0	Rp5	66,0
8BHEL 95-10	3659500010	60	45	8"		216,0	-	194,0	170,0	151,0	132,0	114,0	92,0	68,0	Rp5	72,0
8BHEL 95-11	3659500011	75	55	8"		238,0	-	213,0	187,0	166,0	145,0	125,0	101,0	75,0	Rp5	77,0
8BHEL 95-12	3659500012	75	55	8"		259,0	-	233,0	204,0	181,0	158,0	137,0	110,0	81,5	Rp5	82,0
8BHEL 95-13	3659500013	75	55	8"		281,0	-	252,0	221,0	196,0	172,0	148,0	120,0	88,5	Rp5	87,0
8BHEL 95-14	3659500014	100	75	8"		302,0	-	272,0	238,0	211,0	185,0	160,0	129,0	95,0	Rp5	92,0
8BHEL 95-15	3659500015	100	75	8"		324,0	-	291,0	255,0	227,0	198,0	171,0	138,0	102,0	Rp5	97,0
8BHEL 95-16	3659500016	100	75	8"		346,0	-	310,4	272,0	242,0	211,0	182,0	147,0	109,0	Rp5	102,0
8BHEL 95-17	3659500017	100	75	8"		367,0	-	330,0	289,0	257,0	224,0	194,0	156,0	116,0	Rp5	106,5
8BHEL 95-18	3659500018	125	93	8"		389,0	-	349,0	306,0	272,0	238,0	205,0	166,0	122,0	Rp5	111,5
8BHEL 95-19	3659500019	125	93	8"		410,0	-	369,0	323,0	287,0	251,0	217,0	175,0	129,0	Rp5	116,5
8BHEL 95-20	3659500020	125	93	8"		432,0	-	388,0	340,0	302,0	264,0	228,0	184,0	136,0	Rp5	121,0
8BHEL 95-21	3659500021	125	93	8"		454,0	-	407,0	357,0	317,0	277,0	239,0	193,0	143,0	Rp5	126,0
8BHEL 95-22	3659500022	150	110	8"		475,0	-	427,0	374,0	332,0	290,0	251,0	202,0	150,0	Rp5	131,0
8BHEL 95-23	3659500023	150	110	8"		497,0	-	446,0	391,0	347,0	304,0	262,0	212,0	156,0	Rp5	136,0

8BHEL

# Borehole motors

CE

## 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  
resistantAvailable in  
AISI 316

### Technical data

<b>Max. immersion</b>	350 m water filled motor 150 m oil filled motor
<b>Max. temperature of the liquid (clear water)</b>	-5°C ÷ +60°C
<b>Max. sand content</b>	100 gr/m³
<b>Poles</b>	2
<b>Insulation class</b>	<b>EBARA MOTORS:</b> F (3" - 4" - 6" OY) (4" - 6" WY) <b>FRANKLIN MOTORS:</b> B (4" WY) F (6" - 8" WY)
<b>Protection degree</b>	<b>EBARA MOTORS:</b> IP58 (3" - 4" - 6" - 8" OY) (4" - 6" WY) <b>FRANKLIN MOTORS:</b> IP58 (6" - 8" WY) IP68 (4" WY)
<b>Voltage</b>	Single phase 1~230V Three phase 3~400V Three phase 3~380-415V ( $\pm 10\%$ )

### 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 rewinding
- 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" - 4" - 6" oil filled motors
- 4" - 6" 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]	Weight [kg]	
3" motor OYM 0,50 HP	1505000200	0,5	0,37	3,75	1,5	6	
3" motor OYM 0,75 HP	1505000100	0,75	0,55	4,5	1,5	6,4	
3" motor OYM 1,00 HP	1505000000	1	0,75	5,85	1,5	6,8	

Three phase 400V							2 Poles
Model	Code	HP	kW	Abs. Curr. [A] 400V	Cable [m]	Weight [kg]	
3" motor OYT 0,5 HP	1505060100	0,5	0,37	2	1,5	6	
3" motor OYT 0,75 HP	1505000104	0,75	0,55	2,1	1,5	6,1	
3" motor OYT 1,00 HP	1505000004	1	0,75	2,5	1,5	6,4	
3" motor OYT 1,50 HP	1505000204	1,5	1,1	3,2	1,5	6,8	

# 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]	Weight [kg]
4" motor OYM HP 0,5 S1X	1509050000	0,5	0,37	3,4	1,75	1500	7
4" motor OYM HP 0,75 S1X	1509070000	0,75	0,55	4,2	1,75	1500	7,6
4" motor OYM HP 1,0 S1X	1509100000	1	0,75	5,6	1,75	1500	8,7
4" motor OYM HP 1,5 S1X	1509110000	1,5	1,1	7,8	1,75	1500	10,3
4" motor OYM HP 2,0 S1X	1509150000	2	1,5	10,8	1,75	1500	12
4" motor OYM HP 3,0 S1X	1509220000	3	2,2	14,6	1,75	1500	14,2
4" motor OYM HP 3,0 S1X	1509220100	3	2,2	14,6	2,5	4400	15,5

### Three phase 400V\* 2 Poles

Model	Code	HP	kW	Abs. Curr. [A] 400V	Cable [m]	Thrust [N]	Weight [kg]
4" motor OYT HP 0,5 S1X	1509030004	0,5	0,37	1,3	1,75	1500	6,5
4" motor OYT HP 0,75 S1X	1509070004	0,75	0,55	1,9	1,75	1500	7
4" motor OYT HP 1,0 S1X	1509100004	1	0,75	2,4	1,75	1500	7,6
4" motor OYT HP 1,5 S1X	1509150004	1,5	1,1	3,2	1,75	1500	8,7
4" motor OYT HP 2,0 S1X	1509200004	2	1,5	4,4	1,75	1500	10,4
4" motor OYT HP 3,0 S1X	1509300004	3	2,2	5,8	2,5	1500	12
4" motor OYT HP 3,0 S1X	1509300104	3	2,2	5,4	2,5	5000	11,2
4" motor OYT HP 4,0 S1X	1509400004	4	3	7,6	2,5	5000	13,1
4" motor OYT HP 5,5 S1X	1509550004	5,5	4	9,8	2,5	5000	15,6
4" motor OYT HP 7,5 S1X	1509750004	7,5	5,5	13,5	2,5	5000	18,9
4" motor OYT HP 10,0 S1X	1509100104	10	7,5	19	4	4400	27

\* 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]	Weight [kg]
4" motor WYM HP 0,5	1505050000	0,5	0,37	3,4	1,2	1500	6,8
4" motor WYM HP 0,75	1505090000	0,75	0,55	4,4	1,7	1500	8,1
4" motor WYM HP 1,0	1505100000	1	0,75	6	2,2	1500	10,6
4" motor WYM HP 1,5	1505150000	1,5	1,1	7,8	3	3000	11,2
4" motor WYM HP 2,0	1505200000	2	1,5	10,5	4	3000	14
4" motor WYM HP 3,0	1505300000	3	2,2	15	5,6	3000	16,4

### Three phase 400V 2 Poles

Model	Code	HP	kW	Abs. Curr. [A] 400V	Cable [m]	Thrust [N]	Weight [kg]
4" motor WYT HP 0,5	1505050004	0,5	0,37	1,3	1,75	1500	5,8
4" motor WYT HP 0,75	1505090004	0,75	0,55	1,7	1,75	1500	8,1
4" motor WYT HP 1,0	1505100004	1	0,75	2,2	1,75	1500	10,6
4" motor WYT HP 1,5	1505150004	1,5	1,1	3	1,75	3000	11,2
4" motor WYT HP 2,0	1505200004	2	1,5	4	1,75	3000	14
4" motor WYT HP 3,0	1505300004	3	2,2	5,6	2,5	3000	16,4
4" motor WYT HP 4,0	1505400004	4	3	7,5	2,5	6500	18,3
4" motor WYT HP 5,5	1505550004	5,5	4	10,6	2,5	6500	23,4
4" motor WYT HP 7,5	1505750004	7,5	5,5	13,6	3,3	6500	29,4
4" motor WYT HP 10	1505110004	10	7,5	18,3	4	6500	33,8

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

# 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]	Weight [kg]
4" motor WYM HP 0,5 FRK	1504000000	0,5	0,37	3,3	1,5	3000	6,8
4" motor WYM HP 0,75 FRK	1504000001	0,75	0,55	4,3	1,5	3000	7,9
4" motor WYM HP 1,0 FRK	1504000002	1	0,75	5,7	1,5	3000	8,8
4" motor WYM HP 1,5 FRK	1504000003	1,5	1,1	8,4	1,5	3000	10,3
4" motor WYM HP 2,0 FRK	1504000004	2	1,5	10,7	1,5	3000	11
4" motor WYM HP 3,0 FRK	1504000005	3	2,2	14,7	2,5	4000	14,8

### Three phase 380/415V\* 2 Poles

Model	Code	HP	kW	Abs. Curr. [A] 380V	Abs. Curr. [A] 415V	Cable [m]	Thrust [N]	Weight [kg]
4" motor WYT HP 0,5 FRK	1504000006	0,5	0,37	1,1	1,14	1,5	3000	6,6
4" motor WYT HP 0,75 FRK	1504000007	0,75	0,55	1,6	1,7	1,5	3000	7,6
4" motor WYT HP 1,0 FRK	1504000008	1	0,75	2	2,1	1,5	3000	7,6
4" motor WYT HP 1,5 FRK	1504000009	1,5	1,1	2,8	2,9	1,5	3000	8,8
4" motor WYT HP 2,0 FRK	1504000010	2	1,5	3,9	4	1,5	3000	9,8
4" motor WYT HP 3,0 FRK	1504000011	3	2,2	5,4	5,8	2,5	4000	11,4
4" motor WYT HP 4,0 FRK	1504000012	4	3	7,4	7,9	2,5	4000	13,8
4" motor WYT HP 5,5 FRK	1508552004	5,5	4	9,7	10,4	2,5	6500	21,8
4" motor WYT HP 7,5 FRK	1508752004	7,5	5,5	12,6	12,8	2,5	6500	28,7
4" motor WYT HP 10,0 FRK	1508102104	10	7,5	17,2	17,6	2,5	6500	32,7

\* 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]	Weight [kg]
4" motor OYM HP 0,5 A316	1509053000	0,5	0,37	3,4	1,75	1500	6,8
4" motor OYM HP 0,75 A316	1509073000	0,75	0,55	4,2	1,75	1500	8,1
4" motor OYM HP 1,0 A316	1509103000	1	0,75	5,6	1,75	1500	10,6
4" motor OYM HP 1,5 A316	1509113000	1,5	1,1	7,8	1,75	1500	11,2
4" motor OYM HP 2,0 A316	1509153000	2	1,5	10,8	1,75	1500	14
4" motor OYM HP 3,0 A316	1509220001	3	2,2	14,6	2,5	1500	16,4
4" motor OYM HP 3,0 A316	1509223000	3	2,2	14,6	2,5	4400	16,4

### Three phase 400V\* 2 Poles

Model	Code	HP	kW	Abs. Curr. [A] 400V	Cable [m]	Thrust [N]	Weight [kg]
4" motor OYT HP 0,5 A316	1509033004	0,5	0,37	1,3	1,75	1500	6,5
4" motor OYT HP 0,75 A316	1509073004	0,75	0,55	1,9	1,75	1500	7
4" motor OYT HP 1,0 A316	1509103004	1	0,75	2,4	1,75	1500	7,6
4" motor OYT HP 1,5 A316	1509153004	1,5	1,1	3,2	1,75	1500	8,7
4" motor OYT HP 2,0 A316	1509203004	2	1,5	4,4	1,75	1500	10,4
4" motor OYT HP 3,0 A316	1509303004	3	2,2	5,8	2,5	1500	12
4" motor OYT HP 3,0 A316	1509303104	3	2,2	5,4	2,5	5000	11,2
4" motor OYT HP 4,0 A316	1509403004	4	3	7,6	2,5	5000	13,1
4" motor OYT HP 5,5 A316	1509553004	5,5	4	9,8	2,5	5000	15,6
4" motor OYT HP 7,5 A316	1509753004	7,5	5,5	13,5	2,5	5000	18,9
4" motor OYT HP 10,0 A316	1509103104	10	7,5	19	4	4400	27

\* 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]	Weight [kg]
4" motor WYM HP 0,5 FRK A316	1504000013	0,5	0,37	3,3	1,5	3000	6,7
4" motor WYM HP 0,75 FRK A316	1504000014	0,75	0,55	4,3	1,5	3000	7,5
4" motor WYM HP 1,0 FRK A316	1504000015	1	0,75	5,7	1,5	3000	8,6
4" motor WYM HP 1,5 FRK A316	1504000016	1,5	1,1	8,4	1,5	3000	10,8
4" motor WYM HP 2,0 FRK A316	1504000017	2	1,5	10,7	1,5	3000	11,1
4" motor WYM HP 3,0 FRK A316	1504000018	3	2,2	14,7	2,5	4000	14,5

### Three phase 380/415V\* 2 Poles

Model	Code	HP	kW	Abs. Curr. [A]		Cable [m]	Thrust [N]	Weight [kg]
				380V	415V			
4" motor WYT HP 0,5 FRK A316	1504000019	0,5	0,37	1,1	1,14	1,5	3000	6,1
4" motor WYT HP 0,75 FRK A316	1504000020	0,75	0,55	1,6	1,7	1,5	3000	6,6
4" motor WYT HP 1,0 FRK A316	1504000021	1	0,75	2	2,1	1,5	3000	7,6
4" motor WYT HP 1,5 FRK A316	1504000022	1,5	1,1	2,8	2,9	1,5	3000	8,8
4" motor WYT HP 2,0 FRK A316	1504000023	2	1,5	3,9	4	1,5	3000	9,8
4" motor WYT HP 3,0 FRK A316	1504000024	3	2,2	5,4	5,8	2,5	4000	11,4
4" motor WYT HP 4,0 FRK A316	1504000025	4	3	7,4	7,9	2,5	4000	13,8
4" motor WYT HP 5,5 FRK A316	1508553004	5,5	4	9,7	10,4	2,5	6500	9,7
4" motor WYT HP 7,5 FRK A316	1508753004	7,5	5,5	12,6	12,8	2,5	6500	12,6
4" motor WYT HP 10,0 FRK A316	1508103104	10	7,5	17,2	17,6	2,5	6500	17,2

\* 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]	Weight [kg]	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	32
6" motor OYT HP 7,5	1505070404	7,5	5,5	12,6	12,4	2,8	40
6" motor OYT HP 10	1505160604	10	7,5	17,2	16,5	2,8	42
6" motor OYT HP 12,5	1505150204	12,5	9,2	22	21	2,8	45
6" motor OYT HP 15	1505160200	15	11	24,1	23,9	2,8	48
6" motor OYT HP 17,5	1505170204	17,5	13	28	27,5	2,8	50
6" motor OYT HP 20	1505150206	20	15	31,4	29,7	2,8	54
6" motor OYT HP 25	1505160504	25	18,5	41,5	36,6	2,8	65
6" motor OYT HP 30	1505163004	30	22	46,5	44,5	2,8	70
6" motor OYT HP 40	1505164004	40	30	63	58	2,8	90
6" motor OYT HP 50	1507300027	50	37	74	71	2,8	101

WY: water 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]	Weight [kg]	Version with double output cable cover (star/delta)
				380V	415V		
6" motor WYT HP 5,5	1507300029	5,5	4	9,1	9,0	4,0	32,5
6" motor WYT HP 7,5	1507300030	7,5	5,5	12,8	12,6	4,0	36,5
6" motor WYT HP 10	1507300031	10	7,5	17,8	17,4	4,0	42
6" motor WYT HP 15	1507300032	15	11	25,6	24,6	4,0	48,5
6" motor WYT HP 20	1507300033	20	15	34,0	32,3	4,0	64,5
6" motor WYT HP 25	1507300034	25	18,5	41,0	39,0	4,0	71
6" motor WYT HP 30	1507300035	30	22	46,0	43,0	4,0	83,5
6" motor WYT HP 40	1507300036	40	30	62,5	59,2	4,0	91,5
6" motor WYT HP 50	1507300037	50	37	77,6	73,0	4,0	99,5

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]	Weight [kg]	Version with double output cable cover (star/delta)
				380V	415V		
6" motor WYT HP 5,5 FRK	1505550204	5,5	4	9,5	9,3	4	37,5
6" motor WYT HP 7,5 FRK	1505750204	7,5	5,5	12,8	12,8	4	41,1
6" motor WYT HP 10 FRK	1505140004	10	7,5	16,3	16,2	4	45,2
6" motor WYT HP 12,5 FRK	1505120004	12,5	9,2	21	21	4	47,5
6" motor WYT HP 15 FRK	1505160004	15	11	24	24,1	4	50,9
6" motor WYT HP 20 FRK	1505170004	20	15	32	31	4	56,7
6" motor WYT HP 25 FRK	1505180004	25	18,5	40	38,5	4	63,3
6" motor WYT HP 30 FRK	1505190004	30	22	47	45	4	69,3
6" motor WYT HP 40 FRK	1505400304	40	30	64,1	64,5	4	83,9
6" motor WYT HP 50 FRK	1505500004	50	37	80,1	77,9	4	136
6" motor WYT HP 60 FRK	1505400404	60	45	96,8	94,5	4	150

WY6 models do not include the screws for pump coupling. We recommend the purchase of the special kit (see page 266)



# 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] 380V	Abs. Curr. [A] 415V	Cable [m]	Weight [kg]	Version with double output cable cover (star/delta) Code
6" motor OYT HP 5,5 A316	1505163204	5,5	4	8,7	8,9	2,8	32	1507300006
6" motor OYT HP 7,5 A316	1505070304	7,5	5,5	12,6	12,4	2,8	40	1507300007
6" motor OYT HP 10,0 A316	1505080300	10	7,5	17,2	16,5	2,8	42	1507300008
6" motor OYT HP 12,5 A316	1505153004	12,5	9,2	22	21	2,8	45	1507300009
6" motor OYT HP 15,0 A316	1505163000	15	11	24,1	23,9	2,8	48	1507300010
6" motor OYT HP 17,5 A316	1505173104	17,5	13	28	27,5	2,8	50	1507300011
6" motor OYT HP 20,0 A316	1505153006	20	15	31,4	29,7	2,8	54	1507300012
6" motor OYT HP 25,0 A316	1505163304	25	18,5	41,5	36,6	2,8	65	1507300013
6" motor OYT HP 30,0 A316	1505163604	30	22	46,5	44,5	2,8	70	1507300014
6" motor OYT HP 40,0 A316	1505163404	40	30	63	58	2,8	90	1507300015
6" motor OYT HP 50,0 A316	1507300028	50	37	74	71	4	101	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] 380V	Abs. Curr. [A] 415V	Cable [m]	Weight [kg]	Version with double output cable cover (star/delta) Code
6" motor WYT HP 5,5 FRK A316	1505553104	5,5	4	9,5	9,3	4	36,8	1507300016
6" motor WYT HP 7,5 FRK A316	1505753104	7,5	5,5	12,8	12,8	4	40,4	1507300017
6" motor WYT HP 10,0 FRK A316	1505143004	10	7,5	16,3	16,2	4	44,5	1507300018
6" motor WYT HP 12,5 FRK A316	1505123004	12,5	9,2	21	21	4	46,8	1507300019
6" motor WYT HP 15,0 FRK A316	1505163704	15	11	24	24,1	4	50,2	1507300020
6" motor WYT HP 20,0 FRK A316	1505173004	20	15	32	31	4	56	1507300021
6" motor WYT HP 25,0 FRK A316	1505183004	25	18,5	40	38,5	4	62,6	1507300022
6" motor WYT HP 30,0 FRK A316	1505220104	30	22	47	45	4	68,6	1507300023
6" motor WYT HP 40,0 FRK A316	1505403204	40	30	64,1	64,5	4	83,2	1507300024
6" motor WYT HP 50,0 FRK A316	1505503004	50	37	80,1	77,9	4	136	1507300025
6" motor WYT HP 60,0 FRK A316	1505403104	60	45	96,8	94,5	4	150	1507300026

WY6 models do not include the screws for pump coupling. We recommend the purchase of the special kit (see below table)

## 6" motors - Screws kit for Franklin motors (to coupling to pump)

Model	Code
Set screw + nuts for motor WY6	369250577

# 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] 380V	Abs. Curr. [A] 415V	Cable [m]	Weight [kg]	Thrust [N]
8" motor WYT HP 60 DOL FRK	1505800004	60	45	89	89	8	172	45000
8" motor WYT HP 75 DOL FRK	1505800105	75	55	111	108	8	202	45000
8" motor WYT HP 100 DOL FRK	1505800106	100	75	148	145	8	240	45000
8" motor WYT HP 125 DOL FRK	1505800007	125	93	194	191	8	318	45000
8" motor WYT HP 150 DOL FRK	1505800008	150	110	226	223	8	381	45000

## Three phase 380/415V - SD - star/delta start 2 Poles

Model	Code	HP	kW	Abs. Curr. [A] 380V	Abs. Curr. [A] 415V	Cable [m]	Weight [kg]	Thrust [N]
8" motor WYT HP 60 SD FRK	1505800009	60	45	89	89	8	172	45000
8" motor WYT HP 75 SD FRK	1505800110	75	55	111	108	8	202	45000
8" motor WYT HP 100 SD FRK	1505800111	100	75	148	145	8	240	45000
8" motor WYT HP 125 SD FRK	1505800012	125	93	194	191	8	318	45000
8" motor WYT HP 150 SD FRK	1505800013	150	110	226	223	8	381	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] 380V	Abs. Curr. [A] 415V	Cable [m]	Weight [kg]	Thrust [N]
8" motor WYT HP 60 DOL FRK A316	1505803004	60	45	89	89	8	172	45000
8" motor WYT HP 75 DOL FRK A316	1505803105	75	55	111	108	8	202	45000
8" motor WYT HP 100 DOL FRK A316	1505803106	100	75	148	145	8	240	45000
8" motor WYT HP 125 DOL FRK A316	1505803007	125	93	194	191	8	318	45000
8" motor WYT HP 150 DOL FRK A316	1505803008	150	110	226	223	8	381	45000

## Three phase 380/415V - SD - star/delta start 2 Poles

Model	Code	HP	kW	Abs. Curr. [A] 380V	Abs. Curr. [A] 415V	Cable [m]	Weight [kg]	Thrust [N]
8" motor WYT HP 60 SD FRK A316	1505803009	60	45	89	89	8	172	45000
8" motor WYT HP 75 SD FRK A316	1505803110	75	55	111	108	8	202	45000
8" motor WYT HP 100 SD FRK A316	1505803111	100	75	148	145	8	240	45000
8" motor WYT HP 125 SD FRK A316	1505803012	125	93	194	191	8	318	45000
8" motor WYT HP 150 SD FRK A316	1505803013	150	110	226	223	8	381	45000

# CABLE SELECTION

## 3" oil filled motors

**Cable selection - e.g.: 0,75 kW motor - 230V single phase - cable lenght 75 m = 4x2,5 mm<sup>2</sup>**

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 lenght 53 m = 4x2,5 mm<sup>2</sup>**

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

# CABLE SELECTION

4" - 6" - 8" water filled motors

Cable selection - e.g.: 0,75 kW motor - 230V single phase - cable lenght 73 m = 4x2,5 mm<sup>2</sup>

Motor	HP	kW	Cable type																
			4x1	4x1,5	4x2,5	4x4	4x6	4x10	4x16	4x25	4x35	4x50	4x70	4x95	4x120	4x150	4x185	4x240	4x300
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	600
	125	93	-	-	-	-	-	-	-	-	-	-	160	190	225	255	300	330	380
	150	110	-	-	-	-	-	-	-	-	-	-	-	160	180	183	240	270	400



# Notes

BOREHOLE



## OPTIMA

272

Submersible pumps in AISI 304 stainless steel



## BEST ONE - BEST ONE VOX

274

Submersible pumps completely in AISI 304 stainless steel



## BEST 2-5

277

Submersible pumps in AISI 304 stainless steel



## RIGHT

279

Submersible pumps for wastewater in AISI 304 stainless steel



## DAR

NEW

281

Submersible pumps for wastewater dual-channel or vortex impeller



## DW - DW VOX

284

Submersible pumps for wastewater in AISI 304 stainless steel



## D SERIES

287

Submersible pumps for wastewater and sewage in cast iron



## EBAMIX

324

Submersible mixers



## DEMINY

NEW

325

Submersible electric drainage pumps for shipbuilding



## D-TANK

329

Wastewater collection tanks



## BEST BOX

331

Lift stations

# 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.



Sturdy design,  
corrosion  
resistant



Possibility to  
use in fixed  
and mobile  
installations

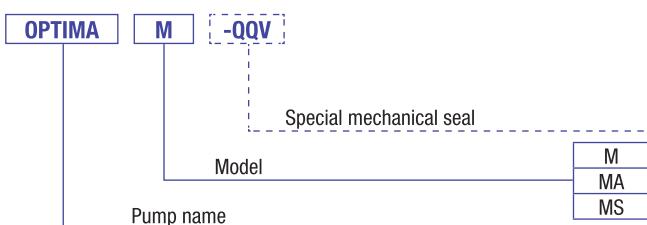


Practical and  
easy to use

## Materials

Pump body	AISI 304 (EN 1.4301)
Impeller	PPE + PS reinforced with fibreglass
Shaft	AISI 303 (EN 1.4305) + AISI 303 (EN 1.4305) ceramic coated shaft sleeve
Shaft seal	Ceramic/Carbon/NBR (mechanical seal) QQV in SiC/SiC/FPM (special mechanical seal) NBR (lip seal)

## Identification code



## Technical data

Max. immersion	5 m with 10 m cable lenght 2 m with 5 m cable lenght
Max. temperature of the liquid (sewage water)	50°C
Max. solids passage	10 mm
Poles	2
Insulation class	F
Protection degree	IP68
Voltage	Single phase 1~230V ±10%

Permanent split capacitor built in overload motor protector with automatic reset.

## Accessories



**1 1/4" hose connector and related clamp**  
Page 452 - OPTIMA - BEST ONE  
accessories



**Minimum suction device up to 3 mm**  
Page 452 - OPTIMA - BEST ONE  
accessories



**Control systems**  
Page 424 - Control panels  
SMART EVO 1-2

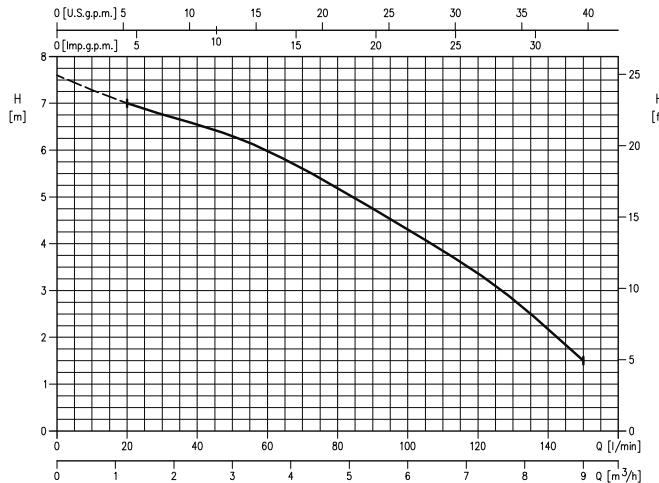


### Minimum suction device

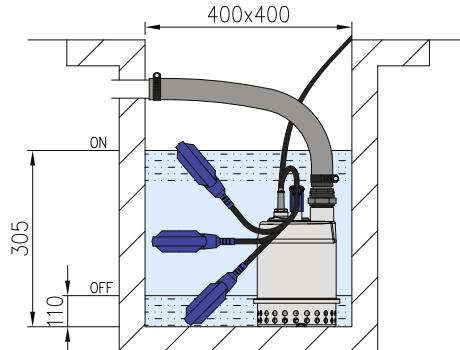
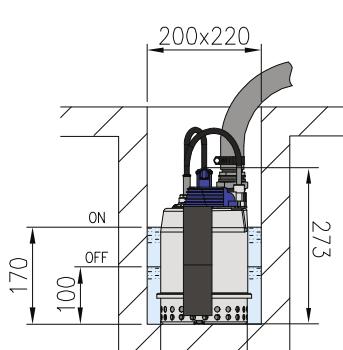
For suction up to 3mm, please see  
OPTIMA - BEST ONE accessories on  
page 452

# OPTIMA

Submersible pumps in AISI 304 stainless steel



## Installation

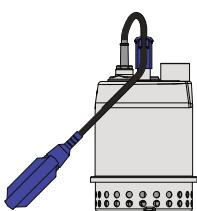


OPTIMA pumps have a great versatility of installation. The choice between vertical magnetic float (small size) or floating switch, allow to choose the best option, also depending on the available space to install the pump. In addition, the right switch type could depend on the water level that it is preferred to have for pump starting.

## Single phase 230V

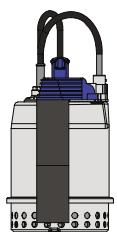
## 2 Poles

Model	Code	HP	kW	Q=Flow rate								Abs. Curr. [A] 230V	DNA	Weight [kg]	
				I/min m³/h	0 0	20 1,2	50 3	75 4,5	100 6	125 7,5	150 9				
H=Total head [m]															
OPTIMA MA	1751100000	0,33	0,25		7,6	7,0	6,3	5,4	4,3	3,1	1,5	1,9	G1½	4,4	
OPTIMA M	1751000000	0,33	0,25		7,6	7,0	6,3	5,4	4,3	3,1	1,5	1,9	G1½	4,2	
OPTIMA MA 10 m	1751101200	0,33	0,25		7,6	7,0	6,3	5,4	4,3	3,1	1,5	1,9	G1½	4,5	
OPTIMA M 10 m	1751001200	0,33	0,25		7,6	7,0	6,3	5,4	4,3	3,1	1,5	1,9	G1½	4,3	
OPTIMA MS	1752100000	0,33	0,25		7,6	7,0	6,3	5,4	4,3	3,1	1,5	1,9	G1½	4,6	
OPTIMA MA -QQV	1751107200	0,33	0,25		7,6	7,0	6,3	5,4	4,3	3,1	1,5	1,9	G1½	4,4	
OPTIMA M -QQV	1751007200	0,33	0,25		7,6	7,0	6,3	5,4	4,3	3,1	1,5	1,9	G1½	4,2	
OPTIMA MS -QQV	1752107200	0,33	0,25		7,6	7,0	6,3	5,4	4,3	3,1	1,5	1,9	G1½	4,6	



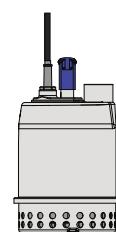
**OPTIMA "MA"**  
is complete of float, the rest of the range has none

- 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

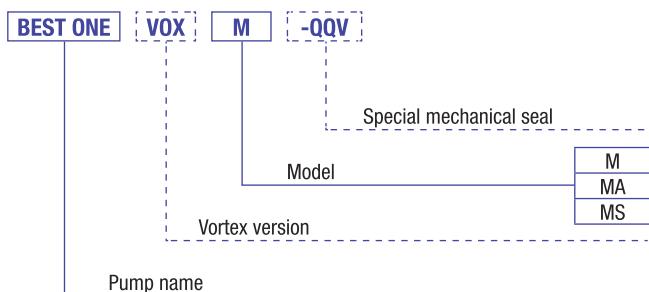


Practical and  
easy to use

## Materials

Pump body	AISI 304 (EN 1.4301)
Impeller	AISI 304 (EN 1.4301)
Shaft	AISI 303 (EN 1.4305) + AISI 303 (EN 1.4305) ceramic coated shaft sleeve
Shaft seal	Ceramic/Carbon/NBR (mechanical seal) NBR (lip seal)

## Identification code



## Technical data

Max. immersion	5 m with 10 m cable lenght 2 m with 5 m cable lenght
Max. temperature of the liquid (sewage water)	50°C
Max. solids passage	10 mm 20 mm VOX (Vortex version)
Poles	2
Insulation class	F

Protection degree IP68

Voltage	Single phase 1~230V ± 10% Three phase 3~400 ±10%
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Permanent split capacitor built in overload motor protector with automatic reset. The three phase version does not have an internal motor protector, therefore overload protection must be provided by the user.

## Accessories



**1"1/4" hose connector and related clamp**  
Page 452 - OPTIMA - BEST ONE  
accessories



**Minimum suction device up to 3 mm**  
Page 452 - OPTIMA - BEST ONE  
accessories



**Control systems**  
Page 424 - Control panels  
SMART EVO 1-2

## Options



**Mechanical Seal**  
Page 457 - -QQV Vversion



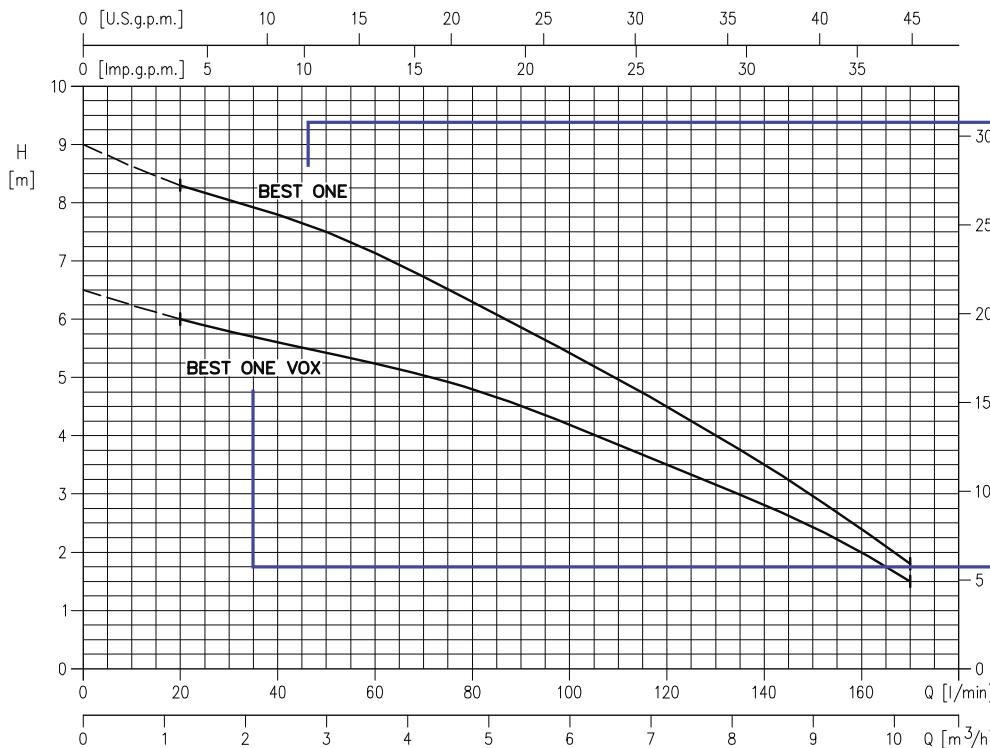
**Minimum suction device**

For suction up to 3mm, please see  
OPTIMA - BEST ONE accessories on  
page 452

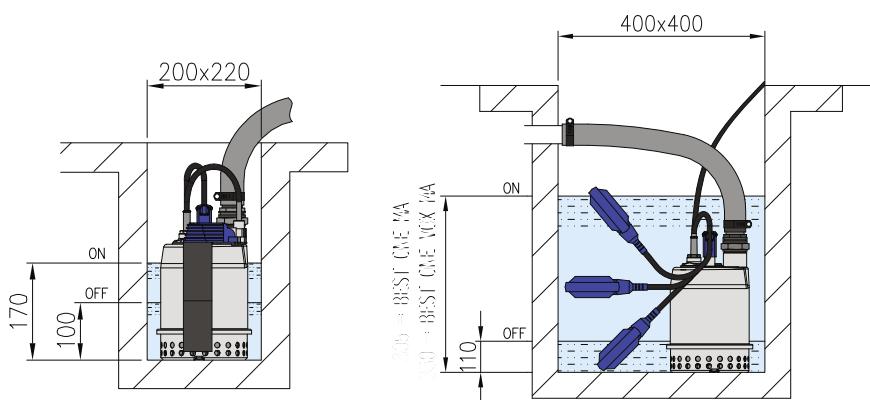
# BEST ONE - VOX



Submersible pumps completely in AISI 304 stainless steel



## 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.

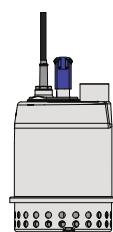
# BEST ONE - VOX



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]	
				I/min m³/h	0 0	20 1,2	40 2,4	80 4,8	120 7,2	160 9,6				
H=Total head [m]														
BEST ONE MA	1711100000	0,33	0,25		9,0	8,3	7,8	6,3	4,5	2,4	1,8	2,3	G1½	4,6
BEST ONE M	1711000000	0,33	0,25		9,0	8,3	7,8	6,3	4,5	2,4	1,8	2,3	G1½	4,4
BEST ONE MA 10 m	1711101400	0,33	0,25		9,0	8,3	7,8	6,3	4,5	2,4	1,8	2,3	G1½	4,7
BEST ONE M 10 m	1711001400	0,33	0,25		9,0	8,3	7,8	6,3	4,5	2,4	1,8	2,3	G1½	4,5
BEST ONE MS	1712100000	0,33	0,25		9,0	8,3	7,8	6,3	4,5	2,4	1,8	2,3	G1½	4,8
BEST ONE VOX MA	1741100000	0,33	0,25		6,5	6,0	5,6	4,8	3,5	2,0	1,5	2,2	G1½	4,7
BEST ONE VOX M	1741000000	0,33	0,25		6,5	6,0	5,6	4,8	3,5	2,0	1,5	2,2	G1½	4,5
BEST ONE VOX MA 10 m	1741101400	0,33	0,25		6,5	6,0	5,6	4,8	3,5	2,0	1,5	2,2	G1½	4,8
BEST ONE VOX M 10 m	1741001400	0,33	0,25		6,5	6,0	5,6	4,8	3,5	2,0	1,5	2,2	G1½	4,6

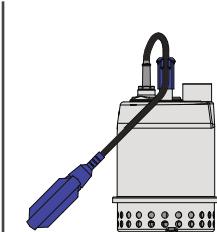
Three phase 400V										2 Poles				
Model	Code	HP	kW	Q=Flow rate							Abs. Curr. [A] 400V	DNM	Weight [kg]	
				I/min m³/h	0 0	20 1,2	40 2,4	80 4,8	120 7,2	160 9,6				
H=Total head [m]														
BEST ONE	1711000004	0,33	0,25		9,0	8,3	7,8	6,3	4,5	2,4	1,8	0,8	G1½	4,3
BEST ONE 10 m	1711001404	0,33	0,25		9,0	8,3	7,8	6,3	4,5	2,4	1,8	0,8	G1½	4,4
BEST ONE VOX	1741000004	0,33	0,25		6,5	6,0	5,6	4,8	3,5	2,0	1,5	0,8	G1½	4,4
BEST ONE VOX 10 m	1741001404	0,33	0,25		6,5	6,0	5,6	4,8	3,5	2,0	1,5	0,8	G1½	4,5



**BEST ONE**  
without float

**VERSION**
**5 m cable**

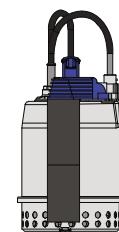
- BEST ONE M
- BEST ONE
- 10 m cable**
- BEST ONE M 10 m
- BEST ONE 10 m



**BEST ONE "A"**  
is complete of float, the  
rest of the range has none

**VERSION**
**5 m cable**

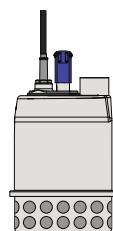
- BEST ONE MA
- 10 m cable**
- BEST ONE MA 10



**BEST ONE "MS"**  
is complete with vertical  
magnetic float (Magnetic  
Switch) which allows  
minimum amount of space.

**VERSION**

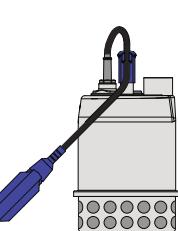
- BEST ONE MS



**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

<b>Pump body</b>	AISI 304 (EN 1.4301)
<b>Impeller</b>	AISI 304 (EN 1.4301)
<b>Shaft</b>	AISI 303 (EN 1.4305) (part in contact with the liquid)
<b>Mechanical seal</b>	upper in Carbon/Ceramic/NBR (motor side) lower in SiC/SiC/NBR (pump side)

## Identification code

<b>BEST</b>	<b>3</b>	<b>M</b>	<b>A</b>	
with float switch				
Single phase				
Type				2 3 4 5
Model				

## Technical data

**Max. immersion** 7 m with 10 m cable lenght

**Max. temperature of the liquid (sewage water)** 35°C

**Max. solids passage** 10 mm (suspended particles)

**Poles** 2

**Insulation class** F

**Protection degree** IP68

**Voltage** Single phase 1~230V ± 10%  
Three phase 3~400V ±10%

Permanent split capacitor built in overload motor protector with automatic reset. The three phase version does not have an internal motor protector, therefore overload protection must be provided by the user.

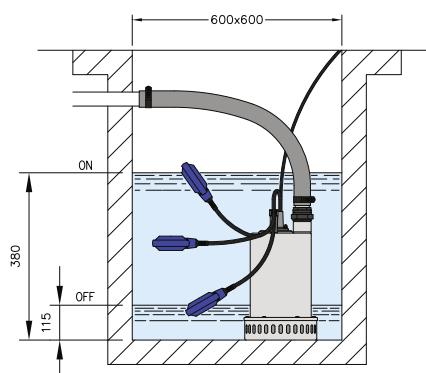
## Accessories



### Control panels

Page 424 - **Control panels**  
SMART EVO 1-2

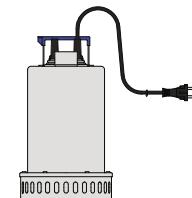
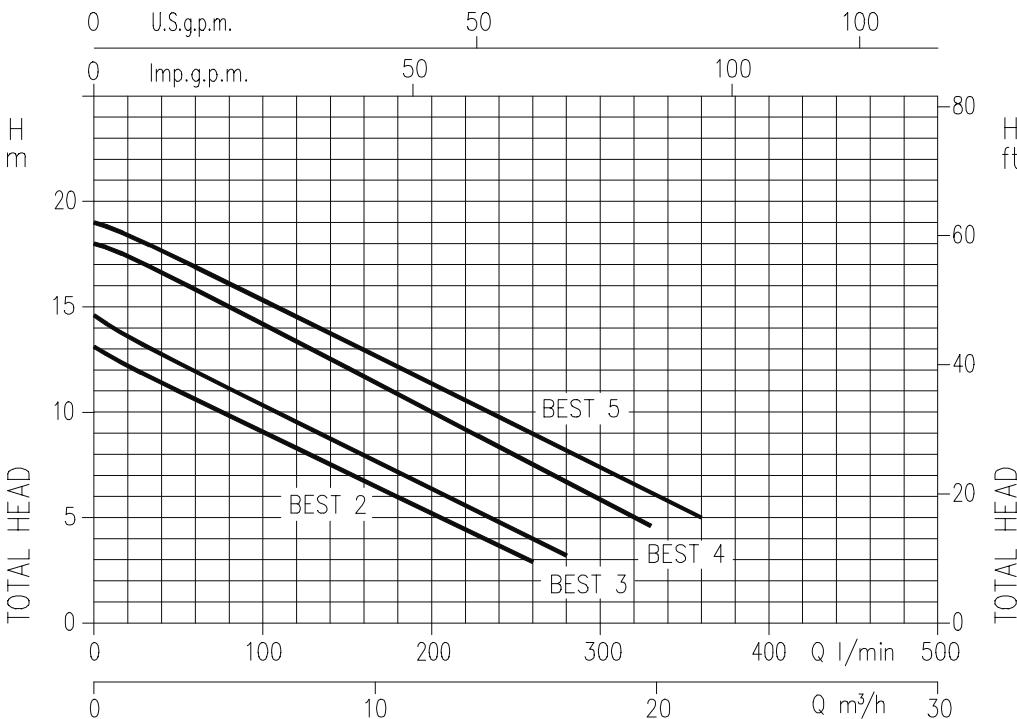
## Installation



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.

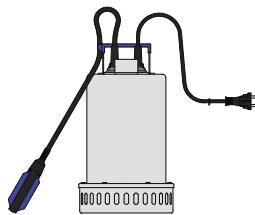
# BEST 2-5

Submersible pumps in AISI 304 stainless steel



**BEST 2-5**  
Without float

**VERSION**  
- BEST 2-5 M  
- BEST 2-5



**BEST 2-5 MA**  
With float

**VERSION**  
- BEST 2-5 MA

## Single phase 230V

**2 Poles**

Model	Code	HP	kW	Q=Flow rate												Abs. Curr. [A] 230V	DNM	Weight [kg]
				I/min	0	20	40	80	120	160	200	260	280	300	330			
				m³/h	0	1,2	2,4	4,8	7,2	9,6	12	15,6	16,8	18	19,8			
BEST/A 2 MA	1721090021A	0,75	0,55		13,1	12,2	11,4	9,8	8,3	6,7	5,0	2,9	-	-	-	4,4	G1½	12,1
BEST/A 2 M	1721091221A	0,75	0,55		13,1	12,2	11,4	9,8	8,3	6,7	5,0	2,9	-	-	-	4,4	G1½	12
BEST/A 3 MA	1721100021A	1	0,75		14,6	13,6	12,7	11,1	9,5	7,9	6,4	4,0	3,2	-	-	5,6	G1½	12,8
BEST/A 3 M	1721101221A	1	0,75		14,6	13,6	12,7	11,1	9,5	7,9	6,4	4,0	3,2	-	-	5,6	G1½	12,7
BEST/A 4 MA	1731150021A	1,5	1,1		18,0	17,4	16,6	15,0	13,4	11,7	10,0	7,5	6,7	5,9	4,6	7,3	G1½	13,9
BEST/A 4 M	1731151221A	1,5	1,1		18,0	17,4	16,6	15,0	13,4	11,7	10,0	7,5	6,7	5,9	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]	
				I/min	0	20	40	80	120	160	200	260	280	300	330				
				m³/h	0	1,2	2,4	4,8	7,2	9,6	12	15,6	16,8	18	19,8				
BEST/A 2	1721091204A	0,75	0,55		13,1	12,2	11,4	9,8	8,3	6,7	5	2,9	-	-	-	2	G1½	12	
BEST/A 3	1721101204A	1	0,75		14,6	13,6	12,7	11,1	9,5	7,9	6,4	4,0	3,2	-	-	2,4	G1½	12,7	
BEST/A 4	1731151204A	1,5	1,1		18,0	17,4	16,6	15,0	13,4	11,7	10,0	7,5	6,7	5,9	4,6	3	G1½	13,8	
BEST/A 5	1731201204A	2	1,5		19,0	18,4	17,7	16,1	14,5	12,8	11,4	9,0	8,0	7,4	6,0	5,0	3,3	G1½	13,5

# RIGHT



## Submersible pumps for wastewater in AISI 304 stainless steel

Suitable for handling liquids containing solid and/or filamentary substances in suspension and for draining sewage water (sanitary fixtures). They are also recommended for draining cesspits and discharging into the sewer.

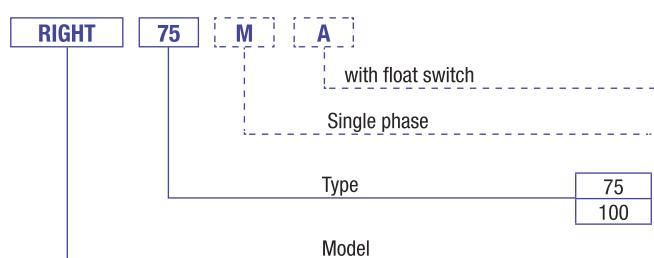


Possibility to use in fixed and mobile installations

## Materials

Pump body	AISI 304 (EN 1.4301)
Impeller	AISI 304 (EN 1.4301)
Shaft	AISI 303 (EN 1.4305) (part in contact with the liquid)
Mechanical seal	upper in Carbon/Ceramic/NBR (motor side) lower in SiC/SiC/NBR (pump side)

## Identification code



## Technical data

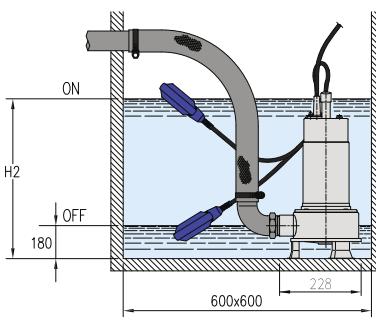
<b>Max. immersion</b>	7 m with 10 m cable length 2 m with 5 m cable length
<b>Max. temperature of the liquid (sewage water)</b>	50°C
<b>Max. solids passage</b>	35 mm (spherical)
<b>Poles</b>	2
<b>Insulation class</b>	F
<b>Protection degree</b>	IPX8
<b>Voltage</b>	Single phase 1~230V ± 10% Three phase 3~400V ±10%

Permanent split capacitor built in overload motor protector with automatic reset. The three phase version does not have an internal motor protector, therefore overload protection must be provided by the user.

## Accessories

- Lowering device kit adaptor**  
Page 452 - **RIGHT accessories**  
Adaptor to apply DW lowering device on RIGHT pumps
- Control systems**  
Page 424 - **Control panels**  
SMART EVO 1-2, DIRECTO 1-2

## Installation

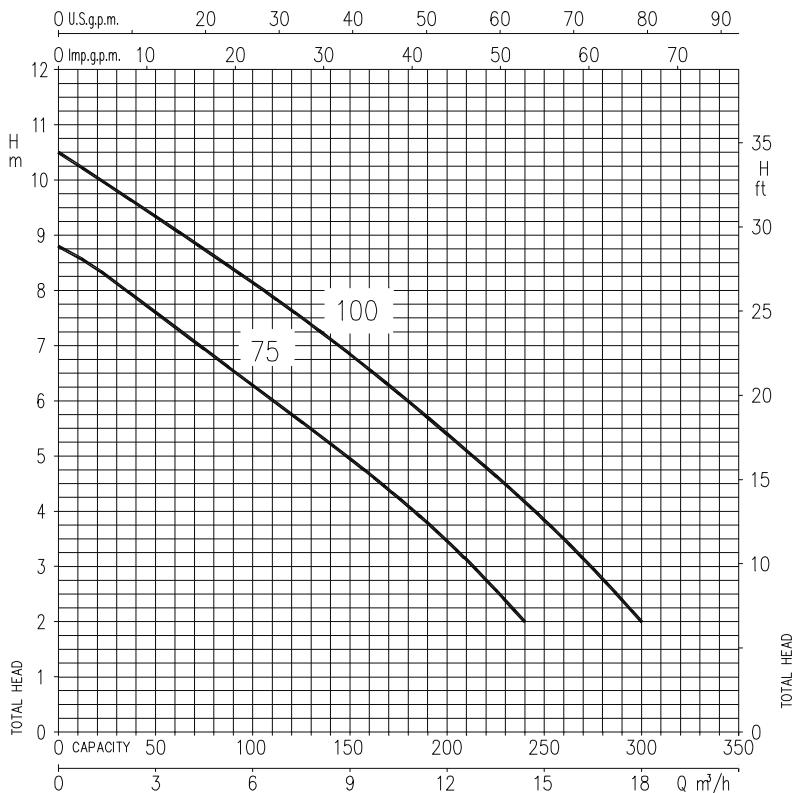


RIGHT pumps are also available with a float switch. With this option, the flexibility of purpose of these pumps are increased. However, the choice to using the float switch requires minimum installation space to ensure the proper operation of the pump.

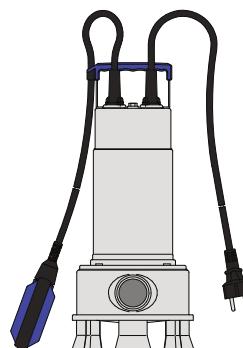
# RIGHT



Submersible pumps for wastewater in AISI 304 stainless steel



**RIGHT**  
without float



**RIGHT "A"**  
is complete of float, the  
rest of the range has  
none

**VERSION**  
5 m cable  
- RIGHT M  
- RIGHT  
10 m cable  
- RIGHT M 10 m  
- RIGHT 10 m

**VERSION**  
5 m cable  
- RIGHT M A  
10 m cable  
- RIGHT MA 10 m

RIGHT

## Single phase 230V

2 Poles

Model	Code	HP	kW	Q=Flow rate								Abs. Curr. [A] 230V	DNM	Weight [kg]	
				I/min m³/h	0 0	40 2,4	80 4,8	120 7,2	160 9,6	200 12	240 14,4				
RIGHT/A 75 M A	1771030021A	0,75	0,55		8,8	7,8	6,8	5,7	4,7	3,4	2,0	-	4,8	G1½	10
RIGHT/A 75 M A 10 m	1771031421A	0,75	0,55		8,8	7,8	6,8	5,7	4,7	3,4	2,0	-	4,8	G1½	10,1
RIGHT/A 75 M	1771031321A	0,75	0,55		8,8	7,8	6,8	5,7	4,7	3,4	2,0	-	4,8	G1½	10
RIGHT/A 75 M 10 m	1771031221A	0,75	0,55		8,8	7,8	6,8	5,7	4,7	3,4	2,0	-	4,8	G1½	10,1
RIGHT/A 100 M A	1771050021A	1	0,75		10,5	9,5	8,6	7,6	6,6	5,4	4,2	2,0	5,7	G1½	11,5
RIGHT/A 100 M A 10 m	1771051421A	1	0,75		10,5	9,5	8,6	7,6	6,6	5,4	4,2	2,0	5,7	G1½	11,6
RIGHT/A 100 M	1771051321A	1	0,75		10,5	9,5	8,6	7,6	6,6	5,4	4,2	2,0	5,7	G1½	11,5
RIGHT/A 100 M 10 m	1771051221A	1	0,75		10,5	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

2 Poles

Model	Code	HP	kW	Q=Flow rate								Abs. Curr. [A] 400V	DNM	Weight [kg]	
				I/min m³/h	0 0	40 2,4	80 4,8	120 7,2	160 9,6	200 12	240 14,4				
RIGHT/A 75	177103004A	0,75	0,55		8,8	7,8	6,8	5,7	4,7	3,4	2,0	-	2,1	G1½	10
RIGHT/A 75 10 m	1771031404A	0,75	0,55		8,8	7,8	6,8	5,7	4,7	3,4	2,0	-	2,1	G1½	10,1
RIGHT/A 100	177105004A	1	0,75		10,5	9,5	8,6	7,6	6,6	5,4	4,2	2,0	2,6	G1½	11,5
RIGHT/A 100 10 m	1771051404A	1	0,75		10,5	9,5	8,6	7,6	6,6	5,4	4,2	2,0	2,6	G1½	11,6

# DAR



## Submersible pumps for wastewater dual-channel or vortex impeller

Submersible electric pumps with vortex and dual-channel impeller, for sewage applications.

Suitable for handling liquids containing solid and/or filamentary substances in suspension and for draining sewage water (sanitary fixtures). They are also recommended for draining cesspits and discharging into the sewer.



**NEW**



Vortex  
impeller



Dual-channel  
impeller

## Materials

Pump body	Cast iron
Impeller	AISI 304 (EN 1.4301)
Shaft	AISI 316 (EN 1.4401)
Mechanical seal	Impeller side: Graphite/Ceramic Motor side: NBR sealing ring

## Technical data

**Max. immersion** 7 m with 10 m cable lenght

**Max. temperature of the liquid (sewage water)** 25°C with partially submersed pump  
35°C with totally submersed pump

**Max. solids passage** 50mm

**Poles** 2

**Insulation class** F

**Protection degree** IP68

**Voltage** Single phase 1~230V±10%  
Three phase 3~400V±10%

Permanent split capacitor built in overload motor protector with automatic reset.  
The three phase version does not have an internal motor protector, therefore  
overload protection must be provided by the user.

## Accessories



### Control Panels

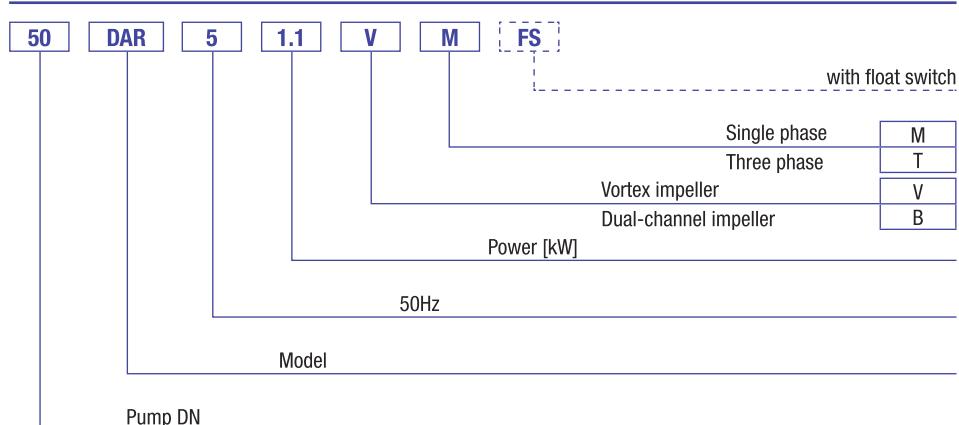
Page 424 - Control panels  
SMART EVO 1-2

# DAR

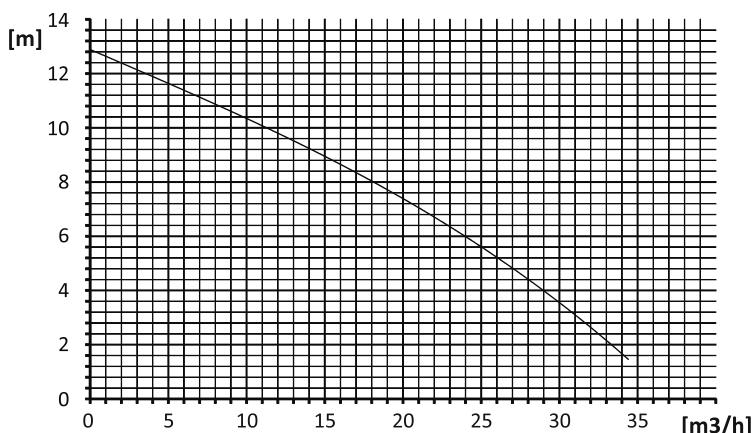


Submersible pumps for wastewater dual-channel or vortex impeller

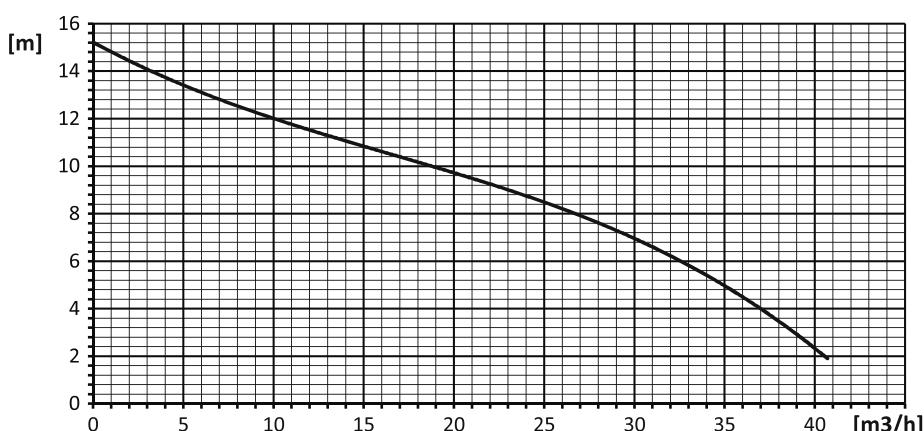
## Identification code



## 50DAR51.1V



## 50DAR51.1B



# DAR

NEW CE

Submersible pumps for wastewater dual-channel or vortex impeller

Single phase 230V												2 poles					
Model	Code	HP	kW	Q=Flow rate										Abs. Curr. [A] 230V	Passage [mm]	DNM	Weight [kg]
				I/min	0	50	100	150	260	350	450	500	700				
				m³/h	0	3	6	9	15,6	21	27	30	42				
H=Head [m]																	
50DAR51.1VMFS	1545000944	1,5	1,1		13	12	11,5	10,6	8,6	7	4,8	3,6	-	11,5	50	2	16,5
50DAR51.1BMFS	1545000946	1,5	1,1		15	14,2	13,5	12,7	11	9,5	7,9	7	3,2	12	50	2	17,5

Three phase 400V												2 poles					
Model	Code	HP	kW	Q=Flow rate										Abs. Curr. [A] 400V	Passage [mm]	DNM	Weight [kg]
				I/min	0	50	100	150	260	350	450	500	700				
				m³/h	0	3	6	9	15,6	21	27	30	42				
H=Head [m]																	
50DAR51.1VT	1545000945	1,5	1,1		13	12	11,5	10,6	8,6	7	4,8	3,6	-	3,8	50	2	17
50DAR51.1BT	1545000947	1,5	1,1		15	14,2	13,5	12,7	11	9,5	7,9	7	3,2	4	50	2	17,5

# 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 (EN 1.4301)
Impeller	AISI 304 (EN 1.4301)
Shaft	AISI 303 (EN 1.4305) (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 with 10 m cable lenght

Max. temperature of the liquid 40°C  
(sewage water)

Max. solids passage 50 mm (spherical)

Poles 2

Insulation class F

Protection degree IPX8

Voltage Single phase 1~230V ± 10%  
Three phase 3~400V ±10%

Permanent split capacitor built in overload motor protector with automatic reset. The three phase version does not have an internal motor protector, therefore overload protection must be provided by the user.

## Accessories



### Lowering device kit

Page 454 - 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 systems

Page 424 - Control panels

SMART EVO 1-2, DIRECTO 1-2

## Options



### Mechanical seal

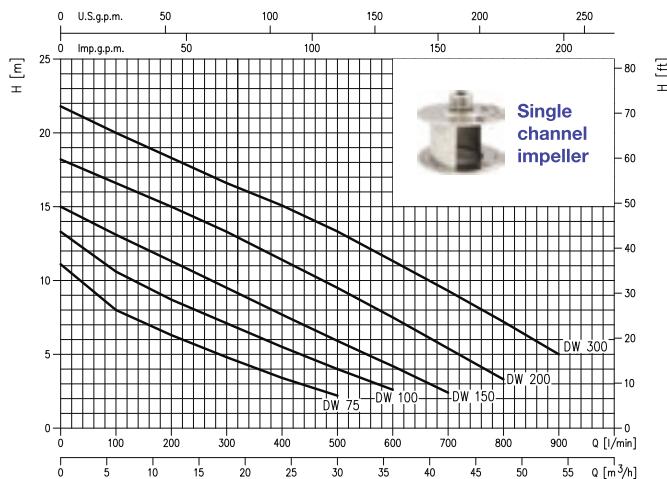
Page 458 - See all the available mechanical seal versions

# DW - DW VOX

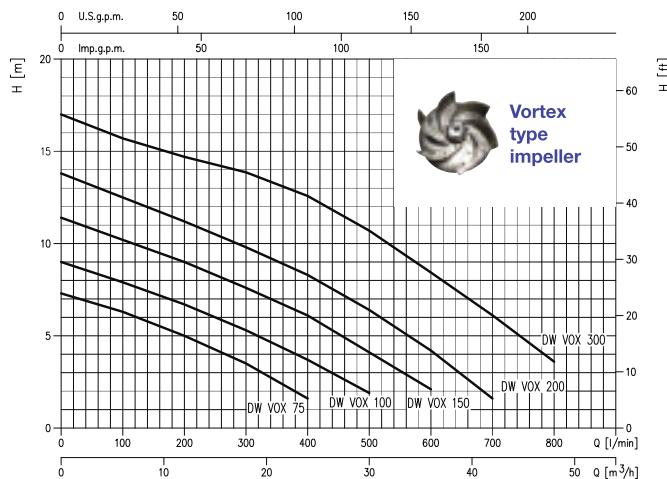


Submersible pumps for wastewater in AISI 304 stainless steel

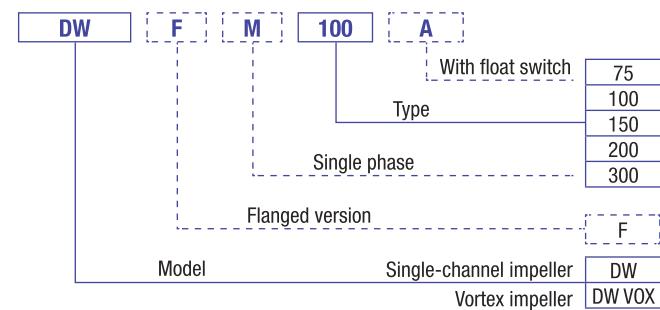
## DW



## DW VOX



## Identification code

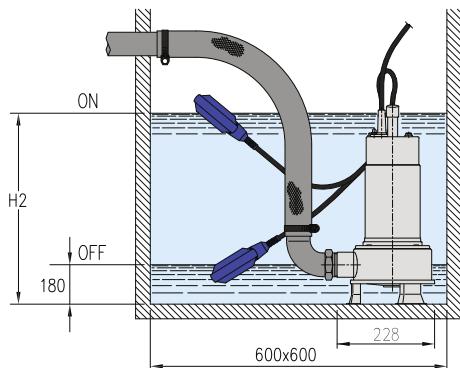


**DW(F) (VOX) "A"**  
is complete of float, the  
rest of the range has  
none

### VERSIONS

- DW M A
- DWF M A
- DW VOX M A
- DW VOXF M A

## Installation



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]	
				I/min	0	100	200	300	400	500	600	700				
				m³/h	0	6	12	18	24	30	36	42				
H=Total head [m]																
DW/A M 75	1589030021A	0,75	0,55		11,1	8,0	6,3	4,8	3,4	2,2	-	-	3,9	G2	15,8	
DW/A M 75 A	1589031221A	0,75	0,55		11,1	8,0	6,3	4,8	3,4	2,2	-	-	3,9	G2	16	
DW/A M 100	1589050021A	1	0,75		13,3	10,6	8,7	7,1	5,5	4,0	2,6	-	5,9	G2	17,8	
DW/A M 100 A	1589051221A	1	0,75		13,3	10,6	8,7	7,1	5,5	4,0	2,6	-	5,9	G2	18	
DW/A M 150	1589070021A	1,5	1,1		15,0	13,1	11,3	9,5	7,7	5,9	4,2	2,4	7,3	G2	19,2	
DW/A M 150 A	1589071221A	1,5	1,1		15,0	13,1	11,3	9,5	7,7	5,9	4,2	2,4	7,3	G2	19,4	
DWF/A M 75	1588030021A	0,75	0,55		11,1	8,0	6,3	4,8	3,4	2,2	-	-	3,9	DN 50	16,6	
DWF/A M 75 A	1588031221A	0,75	0,55		11,1	8,0	6,3	4,8	3,4	2,2	-	-	3,9	DN 50	16,8	
DWF/A M 100	1588050021A	1	0,75		13,3	10,6	8,7	7,1	5,5	4,0	2,6	-	5,9	DN 50	18,6	
DWF/A M 100 A	1588051221A	1	0,75		13,3	10,6	8,7	7,1	5,5	4,0	2,6	-	5,9	DN 50	18,8	
DWF/A M 150	1588070021A	1,5	1,1		15,0	13,1	11,3	9,5	7,7	5,9	4,2	2,4	7,3	DN 50	20	
DWF/A M 150 A	1588071221A	1,5	1,1		15,0	13,1	11,3	9,5	7,7	5,9	4,2	2,4	7,3	DN 50	20,2	
DW VOX/A M 75	1599030021A	0,75	0,55		7,3	6,3	5,0	3,5	1,6	-	-	-	3,9	G2	15,4	
DW VOX/A M 75 A	1599031221A	0,75	0,55		7,3	6,3	5,0	3,5	1,6	-	-	-	3,9	G2	15,6	
DW VOX/A M 100	1599050021A	1	0,75		9,0	7,9	6,7	5,3	3,7	1,9	-	-	5,8	G2	17,4	
DW VOX/A M 100 A	1599051221A	1	0,75		9,0	7,9	6,7	5,3	3,7	1,9	-	-	5,8	G2	17,6	
DW VOX/A M 150	1599070021A	1,5	1,1		11,4	10,2	9,0	7,6	6,1	4,1	2,1	-	7,3	G2	18,8	
DW VOX/A M 150 A	1599071221A	1,5	1,1		11,4	10,2	9,0	7,6	6,1	4,1	2,1	-	7,3	G2	19	
DW VOXF/A M 75	1598030021A	0,75	0,55		7,3	6,3	5,0	3,5	1,6	-	-	-	3,9	DN 50	16,2	
DW VOXF/A M 75 A	1598031221A	0,75	0,55		7,3	6,3	5,0	3,5	1,6	-	-	-	3,9	DN 50	16,4	
DW VOXF/A M 100	1598050021A	1	0,75		9,0	7,9	6,7	5,3	3,7	1,9	-	-	5,8	DN 50	18,2	
DW VOXF/A M 100 A	1598051221A	1	0,75		9,0	7,9	6,7	5,3	3,7	1,9	-	-	5,8	DN 50	18,4	
DW VOXF/A M 150	1598070021A	1,5	1,1		11,4	10,2	9,0	7,6	6,1	4,1	2,1	-	7,3	DN 50	19,6	
DW VOXF/A M 150 A	1598071221A	1,5	1,1		11,4	10,2	9,0	7,6	6,1	4,1	2,1	-	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]		
				I/min	0	100	200	300	400	500	600	700					
				m³/h	0	6	12	18	24	30	36	42					
H=Total head [m]																	
DW/A 75	1589030004A	0,75	0,55		11,1	8,0	6,3	4,8	3,4	2,2	-	-	-	1,5	G2	15,4	
DW/A 100	1589050004A	1	0,75		13,3	10,6	8,7	7,1	5,5	4,0	2,6	-	-	2,1	G2	16,8	
DW/A 150	1589070004A	1,5	1,1		15,0	13,1	11,3	9,5	7,7	5,9	4,2	2,4	-	2,8	G2	18,6	
DW/A 200	1589080004A	2	1,5		18,2	16,6	15,0	13,3	11,4	9,5	7,5	5,4	3,3	-	3,6	G2	20
DW/A 300 *	1589090004A	3	2,2		21,8	20,0	18,3	16,6	15,1	13,3	11,3	9,3	7,2	5,0	5	G2	25,8
DWF/A 75	1588030004A	0,75	0,55		11,1	8,0	6,3	4,8	3,4	2,2	-	-	-	1,5	DN 50	16,2	
DWF/A 100	1588050004A	1	0,75		13,3	10,6	8,7	7,1	5,5	4,0	2,6	-	-	2,1	DN 50	17,6	
DWF/A 150	1588070004A	1,5	1,1		15,0	13,1	11,3	9,5	7,7	5,9	4,2	2,4	-	2,8	DN 50	19,4	
DWF/A 200	1588080004A	2	1,5		18,2	16,6	15,0	13,3	11,4	9,5	7,5	5,4	3,3	-	3,6	DN 50	20,8
DWF/A 300 *	1588090004A	3	2,2		21,8	20,0	18,3	16,6	15,1	13,3	11,3	9,3	7,2	5,0	5	DN 50	26,6
DW VOX/A 75	1599030004A	0,75	0,55		7,3	6,3	5,0	3,5	1,6	-	-	-	-	1,4	G2	15,2	
DW VOX/A 100	1599050004A	1	0,75		9,0	7,9	6,7	5,3	3,7	1,9	-	-	-	2,1	G2	16,4	
DW VOX/A 150	1599070004A	1,5	1,1		11,4	10,2	9,0	7,6	6,1	4,1	2,1	-	-	2,8	G2	18,1	
DW VOX/A 200	1599080004A	2	1,5		13,8	12,5	11,2	9,8	8,3	6,4	4,2	1,6	-	3,3	G2	19,6	
DW VOX/A 300 *	1599090004A	3	2,2		17,0	15,7	14,7	13,9	12,6	10,7	8,4	6,1	3,6	-	4,4	G2	25,4
DW VOXF/A 75	1598030004A	0,75	0,55		7,3	6,3	5,0	3,5	1,6	-	-	-	-	1,4	DN 50	16	
DW VOXF/A 100	1598050004A	1	0,75		9,0	7,9	6,7	5,3	3,7	1,9	-	-	-	2,1	DN 50	17,2	
DW VOXF/A 150	1598070004A	1,5	1,1		11,4	10,2	9,0	7,6	6,1	4,1	2,1	-	-	2,8	DN 50	18,9	
DW VOXF/A 200	1598080004A	2	1,5		13,8	12,5	11,2	9,8	8,3	6,4	4,2	1,6	-	3,3	DN 50	20,4	
DW VOXF/A 300 *	1598090004A	3	2,2		17,0	15,7	14,7	13,9	12,6	10,7	8,4	6,1	3,6	-	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	Dual-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

Semi-open impeller

## Technical data

<b>Max. immersion</b>	up to 1,5kW 3 m with 6 m cable lenght above 1,5kW 7 m with 10 m cable lenght
<b>Max. temperature of the liquid (sewage water)</b>	40°C
<b>Maximum length of fibres</b>	50 mm
<b>Max. solids passage</b>	5 mm (50DS) 6 mm (65DS) (40DSF 1.5, 1.9 kW) 7 mm (80DS) (40DSF 6 kW) 8 mm (100DS)
<b>Poles</b>	2
<b>Insulation class</b>	F for DS H for DSF
<b>Protection degree</b>	IP68

Voltage      Three phase 3~380-415±10% (DS)  
                 Single phase 1~230±10% (DSF)  
                 Three phase 3~400/690±10% (DSF)

The pump does not have an internal motor protector, therefore overload protection must be provided by the user.

## Accessories



### Quick discharge connection

Page 453 - **Quick discharge connection (QDC)**  
For DS, DVS, DML, DMLV, DL-DL  
W/C (with cutter)



### Adaptors

Page 454 - **Lowering slide kit 2 DN50 guide pipes**

Adaptor for the use of lowering slide kit (QDC)

Page 454 - **Flange adaptor**

(Steel C40) JIS/DIN (DS, DVS, DL-DL  
W/C, DML, DMLV)

Page 454 - **Hook guide**

Adaptor (guide pipe) and flange for adaptor



### Accessories

Page 453 - **DMLF-DMLVF-DSF-DRD-DRS**

#### Accessories

- QDC - Quick discharge connection
- Elbow for discharge
- Tripod
- Threaded flange



### Control Panels

Page 424 - **Control panels**  
DIRECTO 1-2, STARDELTA 1-2

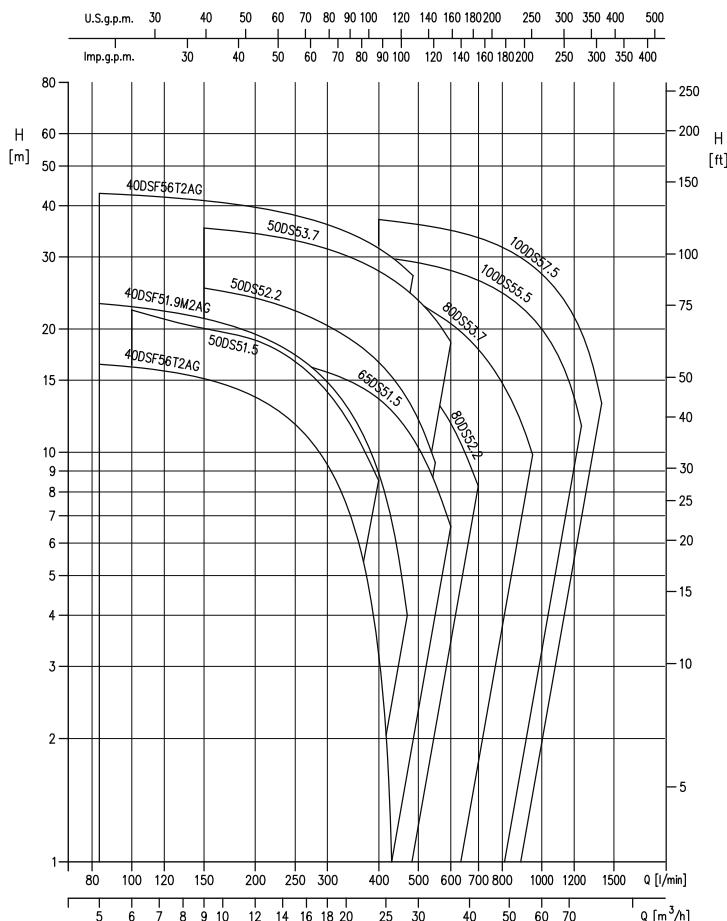
## Materials

<b>Pump body</b>	Cast iron
<b>Impeller</b>	Cast iron
<b>Shaft</b>	AISI 403 (EN 1.4006) (DS) AISI 420B (EN 1.4028) (DSF)
<b>Mechanical seal</b>	Impeller side: SiC/SiC/NBR Motor side: Carbon/Ceramic/NBR (from 6 kW and above for DSF)

# DS - DSF



Submersible electric pumps with semi-open impeller



**Selection table**

Model	HP	kW	Q=Flow rate																		
			I/min	0	83	100	150	200	250	300	400	433	467	483	550	600	700	800	950	1170	1250
			m³/h	0	5	6	9	12	15	18	24	26	28	29	33	36	42	48	57	70,2	75
40DSF51.5M2CG	2	1,5		16,9	16,4	16,2	15,1	13,6	11,7	9,3	3,2	0,8	-	-	-	-	-	-	-	-	-
40DSF51.9M2AG	2,5	1,9		24,6	23,1	22,7	21,2	19,4	17,3	14,8	8,9	6,6	4,2	-	-	-	-	-	-	-	-
40DSF56T2AG	8	6		45	43	42,5	41	39,6	37,9	36	31,5	30	28	27,1	-	-	-	-	-	-	-
50DS51.5-3	2	1,5		24	-	22,3	20,7	18,8	16,5	14	8,5	-	-	-	-	-	-	-	-	-	-
50DS52.2-3	3	2,2		27	-	-	25,2	23,7	22,1	20,4	16,6	15,2	13,6	12,9	9,4	-	-	-	-	-	-
50DS53.7-3	5	3,7		37,4	-	-	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		18	-	-	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		22	-	-	-	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		27,5	-	-	-	-	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		31,6	-	-	-	-	-	30,7	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		39,2	-	-	-	-	-	-	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

## Accessories



### Quick discharge connection

Page 453 - Quick discharge connection (QDC)  
For DS, DVS, DML, DMLV, DL-DL  
W/C (with cutter)



### Adaptors

Page 454 - Lowering slide kit 2 DN50 guide pipes  
Adaptor for the use of lowering slide kit (QDC)

Page 454 - Flange adaptor  
(Steel C40) JIS/DIN (DS, DVS, DL-DL  
W/C, DML, DMLV)

Page 454 - Hook guide  
Adaptor (guide pipe) and flange for adaptor



### Accessories

Page 453 - DMLF-DMLVF-DSF-DRD-DRS  
Accessories  
- QDC - Quick discharge connection  
- Elbow for discharge  
- Tripod  
- Threaded flange



### Control Panels

Page 424 - Control panels  
DIRECTO 1-2, STARDELTA 1-2

## Technical data

<b>Max. immersion</b>	up to 1,5kW 3 m with 6 m cable lenght above 1,5kW 7 m with 10 m cable lenght
<b>Max. temperature of the liquid (sewage water)</b>	40°C
<b>Maximum length of fibres</b>	100 mm (50DVS) 200 mm (65DVS and 80DVS 1,5kW) 245 mm (65DVS and 80DVS 2,2-3,7 kW)
<b>Max. solids passage</b>	21 mm (50DVS) 33 mm (65DVS and 80DVS 1,5kW) 41 mm (65DVS and 80DVS 2,2-3,7 kW)
<b>Poles</b>	2
<b>Insulation class</b>	F
<b>Protection degree</b>	IP68

**Voltage** Three phase 3~380-415±10%

The pump does not have an internal motor protector, therefore overload protection must be provided by the user.

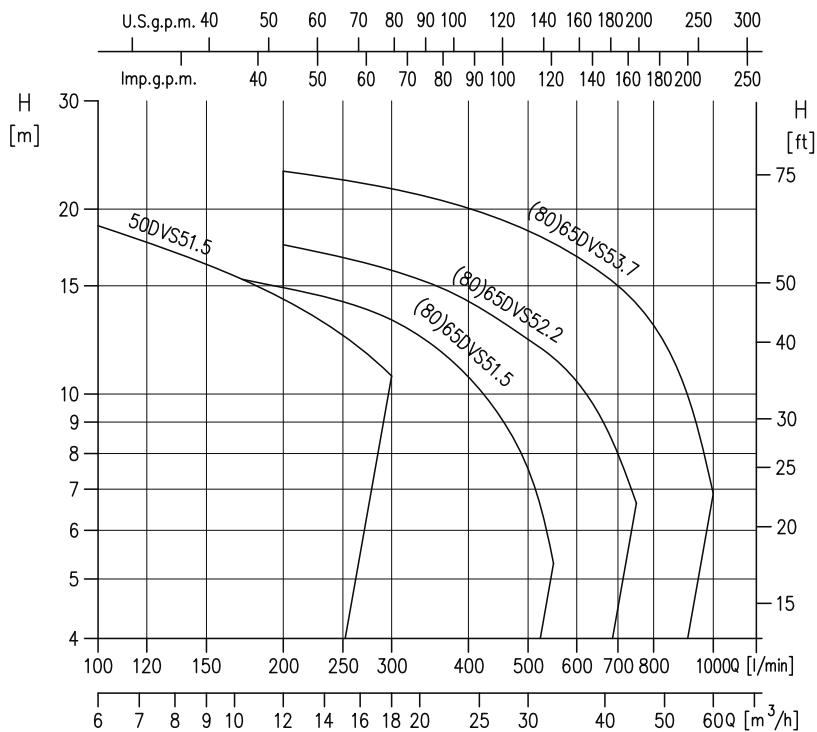
## Materials

<b>Pump body</b>	Cast iron
<b>Impeller</b>	Cast iron
<b>Shaft</b>	AISI 403 (EN 1.4006)
<b>Mechanical seal</b>	Impeller side: SiC/SiC/NBR Motor side: Carbon/Ceramic/NBR



# DVS

Submersible electric pumps with semi-vortex impeller



**Selection table**

Model	HP	kW	l/min	Q=Flow rate												
				0	100	150	200	300	400	500	550	600	700	750	900	1000
			m³/h	0	6	9	12	18	24	30	33	36	42	45	54	60
50DVS51.5-3	2	1,5		22,0	18,8	16,6	14,3	10,7	-	-	-	-	-	-	-	-
65DVS51.5-3	2	1,5		18,6	-	15,8	14,9	13,2	10,9	7,6	5,3	-	-	-	-	-
65DVS52.2-3	3	2,2		20,3	-	-	17,5	15,9	14,2	12,3	11,5	10,5	8,1	6,6	-	-
65DVS53.7-3	5	3,7		25,7	-	-	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		18,6	-	15,8	14,9	13,2	10,9	7,6	5,3	-	-	-	-	-
80DVS52.2-3	3	2,2		20,3	-	-	17,5	15,9	14,2	12,3	11,5	10,5	8,1	6,6	-	-
80DVS53.7-3	5	3,7		25,7	-	-	23,0	21,6	20,1	18,4	17,6	16,7	15,0	14,0	10,4	6,9

**Three phase 380-415V**

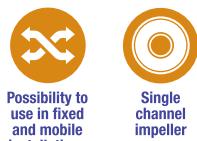
Model	Code	HP	kW	rpm	Abs. Curr.			Passage [mm]	DNM	Weight [kg]
					380V	400V	415V			
50DVS51.5-3	1545500062	2	1,5	2800	3,7	3,3	5,1	21	50	27,0
65DVS51.5-3	1545500063	2	1,5	2800	3,7	3,3	5,1	33	65	34,0
65DVS52.2-3	1545500065	3	2,2	2800	5,1	5	4,6	41	65	50,0
65DVS53.7-3	1545500067	5	3,7	2800	8,8	7,8	7,8	41	65	59,0
80DVS51.5-3	1545500064	2	1,5	2800	3,7	3,3	5,1	33	80	35,0
80DVS52.2-3	1545500066	3	2,2	2800	5,1	5	4,6	41	80	51,0
80DVS53.7-3	1545500068	5	3,7	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.



## Accessories



### Quick discharge connection

Page 453 - **Quick discharge connection (QDC)**  
For DS, DVS, DML, DMLV, DL-DL  
W/C (with cutter)



### Adaptors

Page 454 - **Lowering slide kit 2 DN50 guide pipes**  
Adaptor for the use of lowering slide kit (QDC)

Page 454 - **Flange adaptor**  
(Steel C40) JIS/DIN (DS, DVS, DL-DL  
W/C, DML, DMLV)

Page 454 - **Hook guide**  
Adaptor (guide pipe) and flange for adaptor



### Accessories

Page 453 - **DMLF-DMLVF-DSF-DRD-DRS Accessories**

- QDC - Quick discharge connection
- Elbow for discharge
- Tripod
- Threaded flange



### Control Panels

Page 424 - **Control panels**  
DIRECTO 1-2, STARDELTA 1-2

## Technical data

**Max. immersion** 7 m with 10 m cable lenght

**Max. temperature of the liquid (sewage water)** 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

Three phase 3~380-415V -10+6%,  
(DML 2.2 kW) - DOL

**Voltage** Three phase 3~380-415V ±10%  
(DML 3.7÷22 kW) - Y/  
Single phase 1~230V ±10%  
(DMLF)

The pump does not have an internal motor protector, therefore overload protection must be provided by the user.

## Materials

**Pump body** Cast iron

**Impeller** Cast iron

**Shaft** AISI 403 (EN 1.4006) (DML)  
AISI 420B (EN 1.4028) (DMLF)

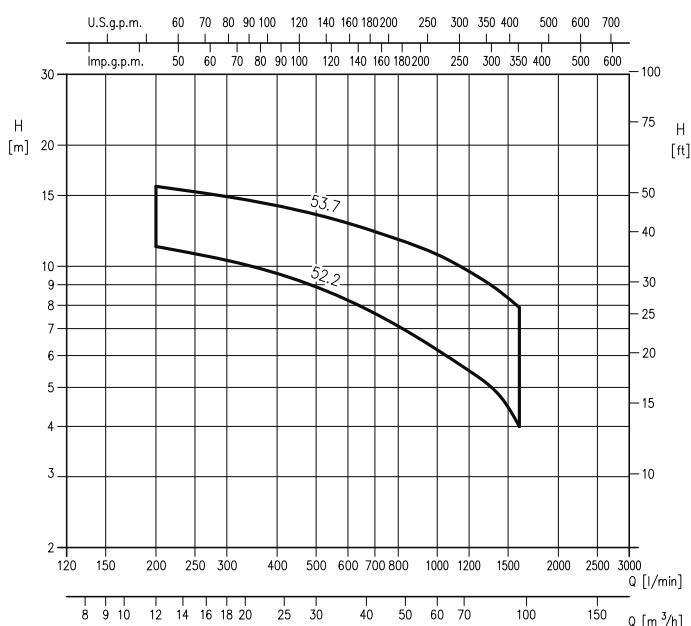
**Mechanical seal** Impeller side: SiC/SiC/NBR (DML and DMLF)  
Motor side: Carbon/Ceramic/NBR (DML)



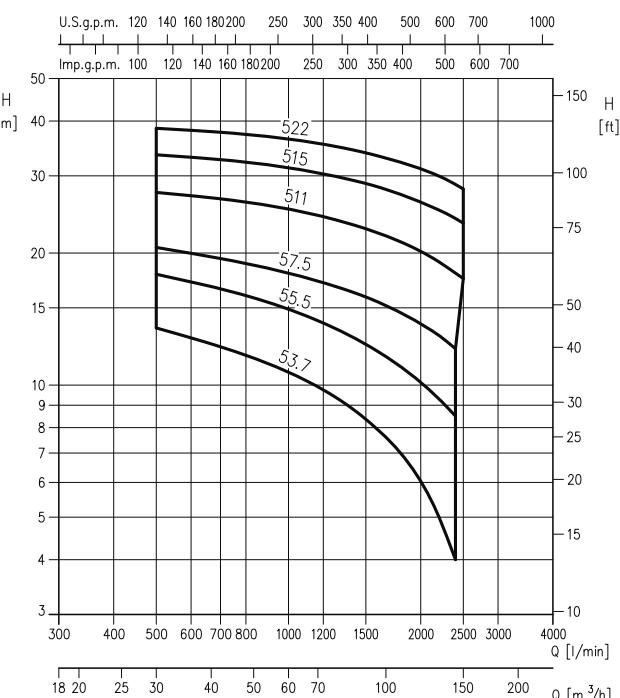
# DML - DMLF

Submersible electric pumps with single channel impeller

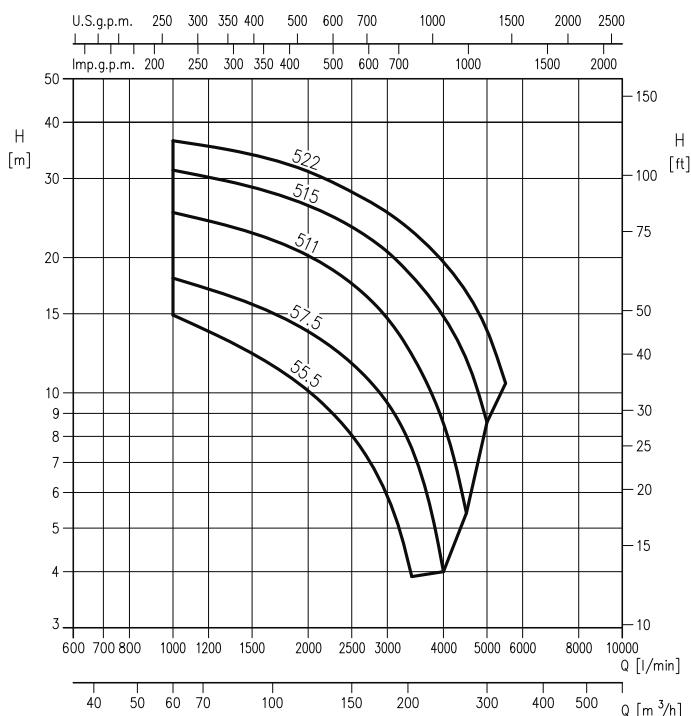
## 80DML



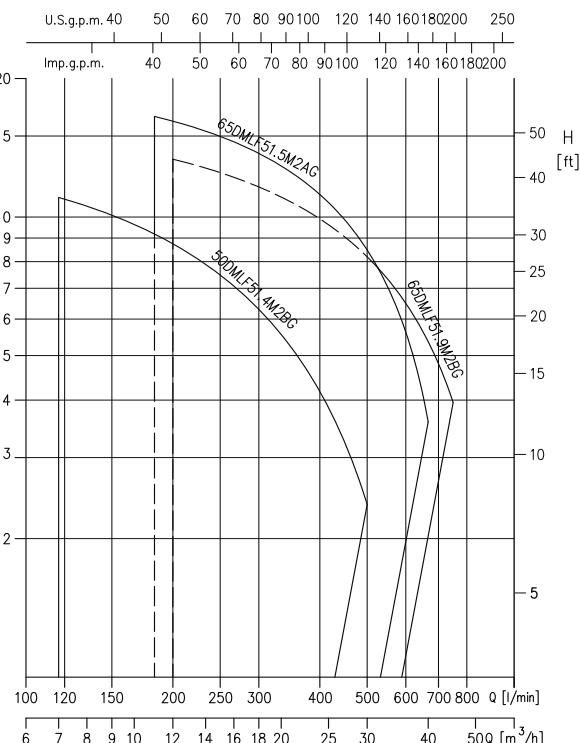
## 100DML



## 150DML



## 50-65DMLF



# DML - DMLF



Submersible electric pumps with single channel impeller

**80DML Selection table**

Model	HP	kW	Q=Flow rate										
			I/min		0	200	500	1000	1600	1900	2200	2400	2500
			m³/h		0	12	30	60	96	114	132	144	150
H=Total head [m]													
80DML52,2	3	2,2			13,1	11,2	8,9	6,2	4	-	-	-	-
80DML53,7	5	3,7			17,9	15,8	13,5	10,7	7,9	-	-	-	-
80DML55,5	7,5	5,5			21,9	-	17,9	14,9	11,9	10,7	9,4	8,5	8,1
80DML57,5	10	7,5			25,3	-	20,9	17,9	15,4	14,1	13,0	12,1	11,9
80DML511	15	11			29,9	-	28,1	25,4	22,4	20,5	19,2	17,9	17,5
80DML515	20	15			35,2	-	33,3	31,1	28,2	26,7	25,2	23,9	23,4
80DML522	30	22			40,4	-	39,0	36,6	34,1	32,2	30,2	29,2	28,6

**100DML Selection table**

Model	HP	kW	Q=Flow rate										
			I/min		0	500	1000	1300	1600	1900	2200	2400	2500
			m³/h		0	30	60	78	96	114	132	144	150
H=Total head [m]													
100DML53,7	5	3,7			17,9	13,5	10,7	9,3	7,9	6,5	5,0	4,0	-
100DML55,5	7,5	5,5			22,0	17,9	14,9	13,4	11,9	10,6	9,3	8,5	-
100DML57,5	10	7,5			25,3	20,6	18,0	16,7	15,5	14,2	13,0	12,1	-
100DML511	15	11			30,3	27,5	25,2	23,7	22,2	20,7	19,1	18,0	17,5
100DML515	20	15			35,0	33,5	31,3	29,8	28,3	26,7	25,1	24,0	23,4
100DML522	30	22			40,0	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											
			I/min		0	1000	2000	2500	3000	3400	4000	4500	5000	5500
			m³/h		0	60	120	150	180	204	240	270	300	330
H=Total head [m]														
150DML55,5	7,5	5,5			22,0	14,9	10,1	8,0	5,9	3,9	-	-	-	
150DML57,5	10	7,5			25,3	18,0	13,7	11,6	9,5	7,5	4,0	-	-	
150DML511	15	11			30,3	25,2	20,2	17,5	14,7	12,2	8,6	5,4	-	
150DML515	20	15			35,0	31,3	26,1	23,4	20,6	18,2	14,8	11,9	8,6	
150DML522	30	22			40,0	36,4	31,1	28,0	25,2	22,9	19,5	16,8	13,8	
													10,5	

**50-65DMLF Selection table**

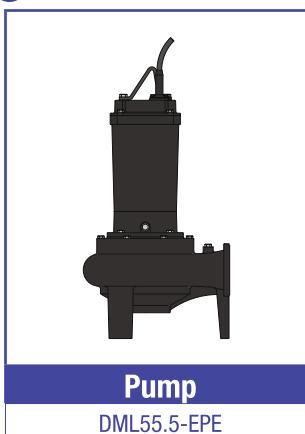
Model	HP	kW	Q=Flow rate												
			I/min		0	117	183	200	300	350	400	500	600	667	750
			m³/h		0	7	11	12	18	21	24	30	36	40	45
H=Total head [m]															
50DMLF51.4M2BG	2	1,4			14,6	11,0	9,2	8,7	6,3	5,2	4,2	2,4	-	-	
65DMLF51.5M2AG	2	1,5			20,5	-	16,5	16,2	13,7	12,5	11,2	8,5	5,6	3,6	
65DMLF51.9M2BG	2,5	1,9			16,8	-	-	13,4	11,6	10,8	9,9	8,2	6,5	5,4	
														4	

# DML - DMLF

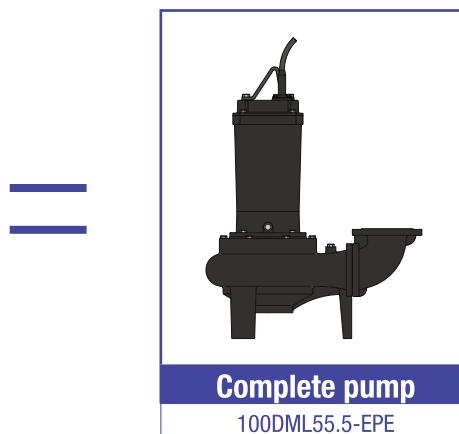
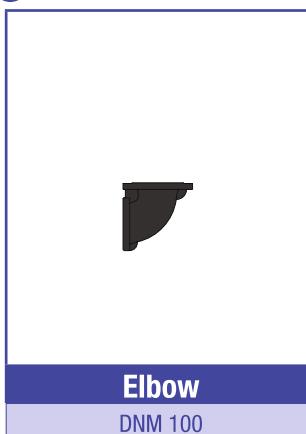
Submersible electric pumps with single channel impeller

**BUILD YOUR PUMP - Build the pump according to your plant requirements**

① Select pump



② Select elbow



## Three phase 400V

① Pump	Code	HP	kW	rpm	Abs. Curr. [A] 400V	Passage [mm]	② Elbow		
							DNM 80	DNM 100	DNM 150
DML52.2-EPE	2092000001	3	2,2	1450	5,2	76	260140000	-	-
DML53.7-EPE	2092000002	5	3,7	1450	8,4	76	260140000	260140001	-
DML55.5-EPE	2092000003	7,5	5,5	1450	12,6	76	260140027	260140002	260140003
DML57.5-EPE	2092000004	10	7,5	1450	16,9	76	260140027	260140002	260140003
DML511-EPE	2092000005	15	11	1450	23,8	76	260140027	260140002	260140003
DML515-EPE	2092000006	20	15	1450	31	76	260140027	260140002	260140003
DML522-EPE	2092000007	30	22	1450	42	76	260140027	260140002	260140003

Three phase 400/690V

\* DOL start, SD start for other models

## Single phase 230V

① Pump	Code	HP	kW	rpm	Abs. Curr. [A] 230V	Passage [mm]	② Elbow		
							DNM 50	DNM 65	Adapter flange
50DMLF51.4M2BG	1875000188	1,9	1,4	2850	8,4	30	369251235	-	369251243
65DMLF51.5M2AG	1875000191	2	1,5	2850	9	30	-	369251237	369251244
65DMLF51.9M2BG	1875000193	2,5	1,9	2850	11,4	40	-	369251237	369251244

DOL start

Required flange or elbow in case of movable installation

# DMLV - DMLVF



## Submersible electric pumps with vortex impeller

Submersible electric pumps fitted with 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.



## Accessories



### Quick discharge connection

Page 453 - **Quick discharge connection (QDC)**  
For DS, DVS, DML, DMLV, DL-DL  
W/C (with cutter)



### Adapters

Page 454 - **Lowering slide kit 2 DN50 guide pipes**  
Adaptor for the use of lowering slide kit (QDC)

Page 454 - **Flange adaptor**  
(Steel C40) JIS/DIN (DS, DVS, DL-DL  
W/C, DML, DMLV)

Page 454 - **Hook guide**  
Adaptor (guide pipe) and flange for adaptor



### Accessories

Page 453 - **DMLF-DMLVF-DSF-DRD-DRS Accessories**  
- QDC - Quick discharge connection  
- Elbow for discharge  
- Tripod  
- Threaded flange



### Control Panels

Page 424 - **Control panels**  
DIRECTO 1-2, STARDELTA 1-2

## Technical data

**Max. immersion** 7 m with 10 m cable lenght

**Max. temperature of the liquid of the liquid (sewage water)** 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 3~380-415V -10 +6%  
(DMLV 2,2 kW) - DOL

Voltage Three phase 3~380-415V ±10%  
(DMLV 3,7÷22 kW) - Y/

Single phase 1~230V ±10% (DMLVF)

Three phase 3~400/690V ±10% (DMLVF)

The pump does not have an internal motor protector, therefore overload protection must be provided by the user.

## Materials

**Pump body** Cast iron

**Impeller** Cast iron

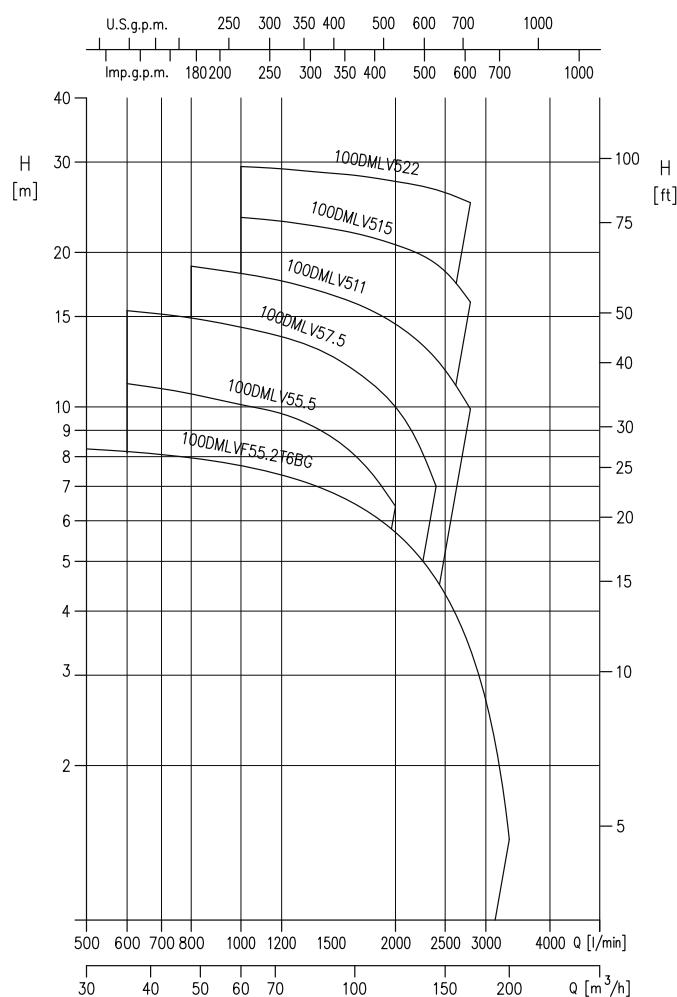
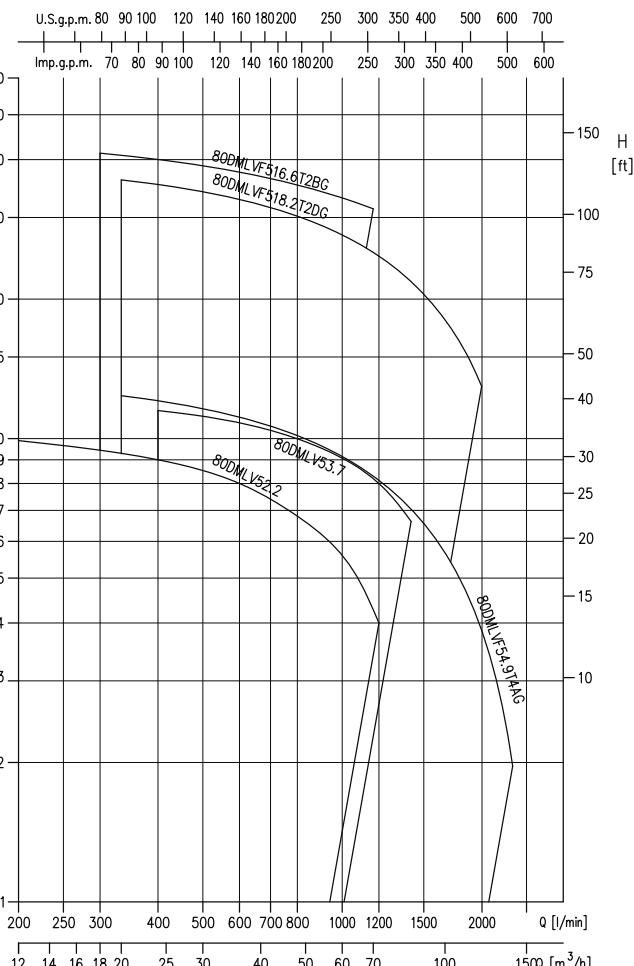
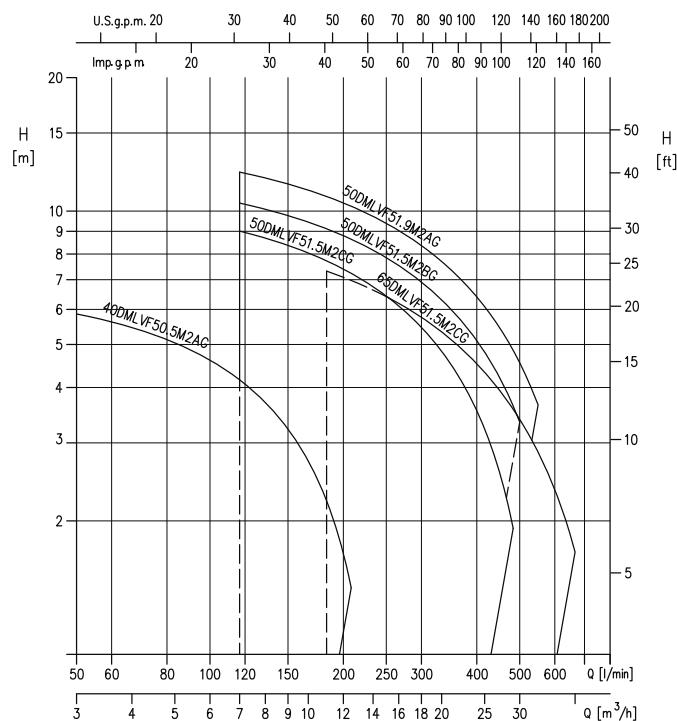
**Shaft** AISI 403 (EN 1.4006) (DML)  
AISI 420B (EN 1.4028) (DMLF)

**Mechanical seal** Impeller side: SiC/SiC/NBR  
Motor side: Carbon/Ceramic/NBR

# DMLV - DMLVF



Submersible electric pumps with vortex impeller



# DMLV - DMLVF



Submersible electric pumps with vortex impeller

**40-50-65DMLVF Selection table**

Model	HP	kW	Q=Flow rate											
			I/min	0	50	117	183	208	250	300	350	400	483	500
			m³/h	0	3	7	11	12,5	15	18	21	24	29	30
H=Total head [m]														
40DMLVF50.5M2AG	0,7	0,5		7,0	5,9	4,2	2,2	1,4	-	-	-	-	-	-
50DMLVF51.5M2CG	2	1,5		11,3	-	9	7,7	7,2	6,4	5,5	4,5	3,5	1,9	-
50DMLVF51.5M2BG	2	1,5		12,8	-	10,4	9,1	8,6	7,8	6,9	6,0	5,1	3,6	3,4
50DMLVF51.9M2AG	2,5	1,9		14,9	-	12,2	10,8	10,3	9,4	8,4	7,4	6,4	4,8	4,5
65DMLVF51.5M2CG	2	1,5		10,0	-	-	7,3	7,0	6,4	5,8	5,1	4,5	3,6	3,4
														1,7

**80DMLV-80DMLVF Selection table**

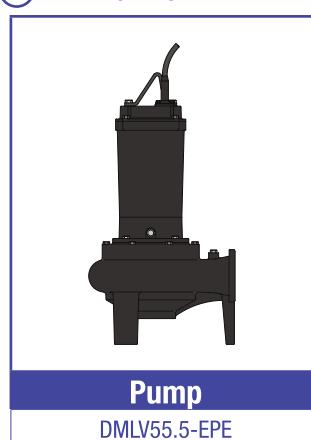
Model	HP	kW	Q=Flow rate												
			I/min	0	200	300	333	400	600	900	1167	1200	1320	1400	2000
			m³/h	0	12	18	20	24	36	54	70	72	79	84	120
H=Total head [m]															
80DMLV52.2	3	2,2		10,7	9,9	9,5	9,3	9,0	8	6,4	4,1	4	-	-	-
80DMLV53.7	5	3,7		12,8	-	-	-	11,5	10,7	9,4	9,1	7,9	7,2	6,4	-
80DMLVF54.9T4AG	6,6	4,9		13,9	-	-	12,4	12,1	11,1	9,6	8,3	8,1	7,5	7,1	3,8
80DMLVF516.6T2BG	22,3	16,6		45	-	41,3	40,9	40,0	37,6	34,2	31,3	-	-	-	-
80DMLVF518.2T2DG	24,4	18,2		40,2	-	-	36,2	35,4	32,8	28,9	25,2	24,8	23,1	21,9	13,0
															-

**100DMLV-100DMLVF Selection table**

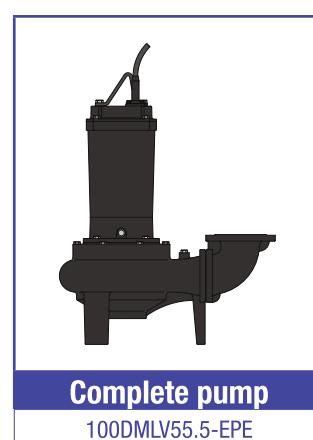
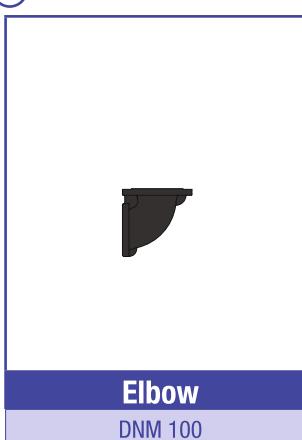
Model	HP	kW	Q=Flow rate											
			I/min	0	500	600	800	1000	1200	1700	2000	2400	2800	3333
			m³/h	0	30	36	48	60	72	102	120	144	168	200
H=Total head [m]														
100DMLVF55.2T6BG	7	5,2		8,6	8,3	8,2	8	7,7	7,4	6,4	5,7	4,6	3,4	1,4
100DMLV5.5	7,5	5,5		13,2	-	11,1	10,6	10,1	9,7	7,9	6,4	-	-	-
100DMLV57.5	10	7,5		16,8	-	15,4	14,9	14,3	13,7	11,6	10	7	-	-
100DMLV511	15	11		20,6	-	-	18,8	18,2	17,6	15,8	14,5	12,4	9,9	-
100DMLV515	20	15		24,9	-	-	-	23,4	23	21,7	20,7	19	16	-
100DMLV522	30	22		32,1	-	-	-	29,4	29,1	28,2	27,5	26,5	25	-

**BUILD YOUR PUMP - Build the pump according to your plant requirements**

① Select pump



② Select elbow



# DMLV - DMLVF

Submersible electric pumps with vortex impeller

## Three phase 400V

① Pump	Code	HP	kW	rpm	Abs. Curr. [A] 400V	Passage [mm]	② Elbow	
							DNM 80	DNM 100
DMLV52.2-EPE	2092001001	3	2,2	1450	5,2	80	260140000	-
DMLV53.7-EPE	2092001002	5	3,7	1450	8,4	80	260140000	-
DMLV55.5-EPE	2092001003	7,5	5,5	1450	12,6	100	-	260140002
DMLV57.5-EPE	2092001004	10	7,5	1450	16,9	100	-	260140002
DMLV511-EPE	2092001005	15	11	1450	23,8	100	-	260140002
DMLV515-EPE	2092001006	20	15	1450	31	100	-	260140002
DMLV522-EPE	2092001007	30	22	1450	42	100	-	260140002

Three phase 400/690V

\* DOL start, SD start for other models

## Single phase 230V

① Pump	Code	HP	kW	rpm	Abs. Curr. [A] 230V	Passage [mm]	② Elbow	
							DNM 50	DNM 65
40DMLVF50.5M2AG	1875000130	0,7	0,5	2850	3,2	30	369251235	-
50DMLVF51.5M2CG	1875000137	2	1,5	2850	9	50	369251235	-
50DMLVF51.5M2BG	1875000136	2	1,5	2850	9	50	369251235	-
50DMLVF51.9M2AG	1875000135	2,5	1,9	2850	11,4	50	369251235	-
65DMLVF51.5M2CG	1875000140	2	1,5	2850	9	65	-	369251237

DOL start

Required flange or elbow in case of movable installation

## Three phase 400/690V

① Pump	Code	HP	kW	rpm	Abs. Curr. [A] 400/690V	Passage [mm]	② Elbow	
							DNM 80	DNM 100
80DMLVF54.9T4AG	1875000177	6,6	4,9	1401	9,9	64	369251240	-
80DMLVF516.6T2BG	1875000152	22,3	16,6	2881	29,8	40x50	369251240	-
80DMLVF518.2T2DG	1875000153	24,4	18,2	2891	32,6	80	369251240	-
100DMLVF55.2T6BG	1875000182	7	5,2	941	10,4	80	-	369251238

DOL start

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 dual-channel open

Impeller single channel open with cutting action

Non-clogging semi-open impeller

## Accessories



### Quick discharge connection

Page 453 - **Quick discharge connection (QDC)**  
For DS, DVS, DML, DMLV, DL-DL  
W/C (with cutter)



### Adaptors

Page 454 - **Lowering slide kit 2 DN50 guide pipes**  
Adaptor for the use of lowering slide kit (QDC)

Page 454 - **Flange adaptor**  
(Steel C40) JIS/DIN (DS, DVS, DL-DL  
W/C, DML, DMLV)

Page 454 - **Hook guide**  
Adaptor (guide pipe) and flange for adaptor



### Control Panels

Page 424 - **Control panels**  
DIRECTO 1-2, STARDELTA 1-2

## Technical data

**Max. immersion** 7 m with 10 m cable lenght

**Max. temperature of the liquid (sewage water)** 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 3~380-415±10%  
(1,5÷7,5kW)

Three phase 3~400-415±10%

( start 11÷22kW)

Three phase 3~380-415±10%

( start 30÷45kW)

The pump does not have an internal motor protector, therefore overload protection must be provided by the user.

## Materials

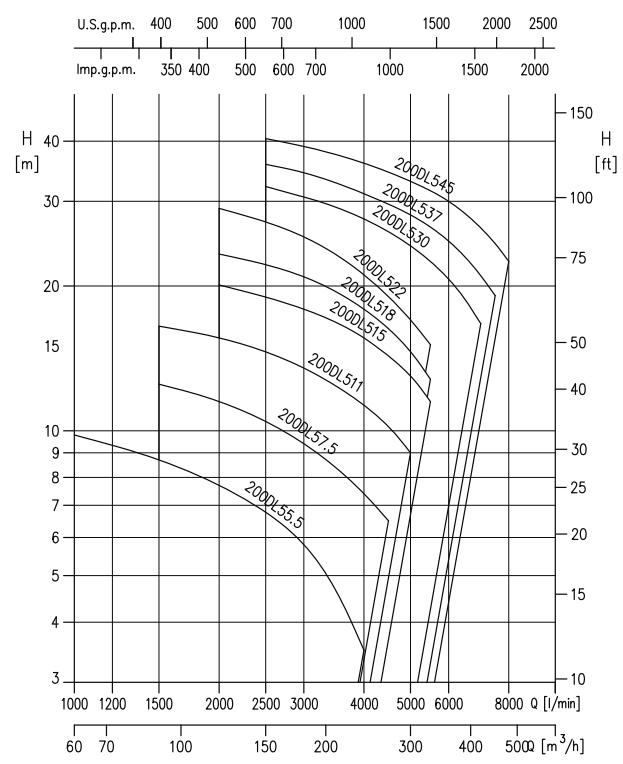
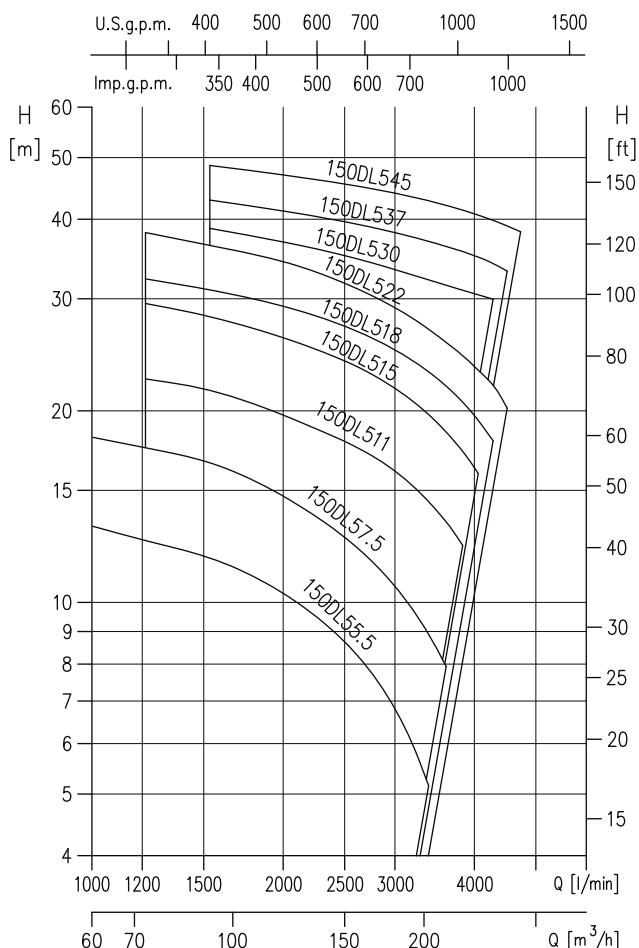
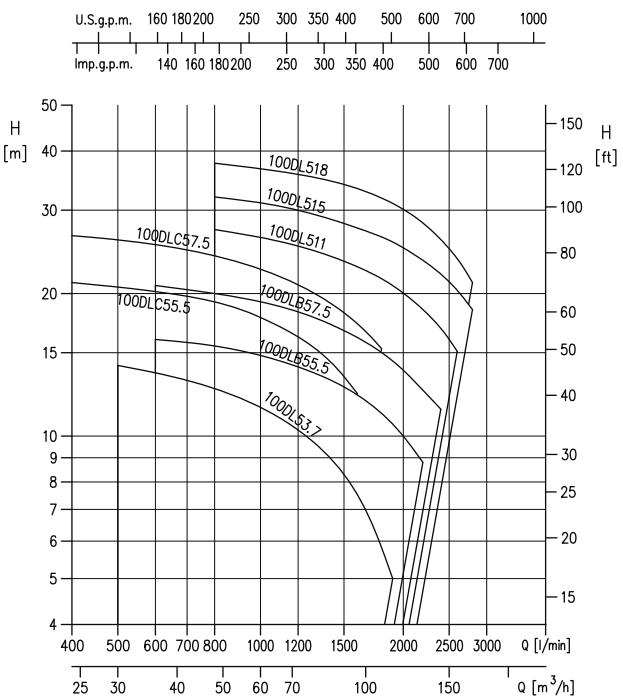
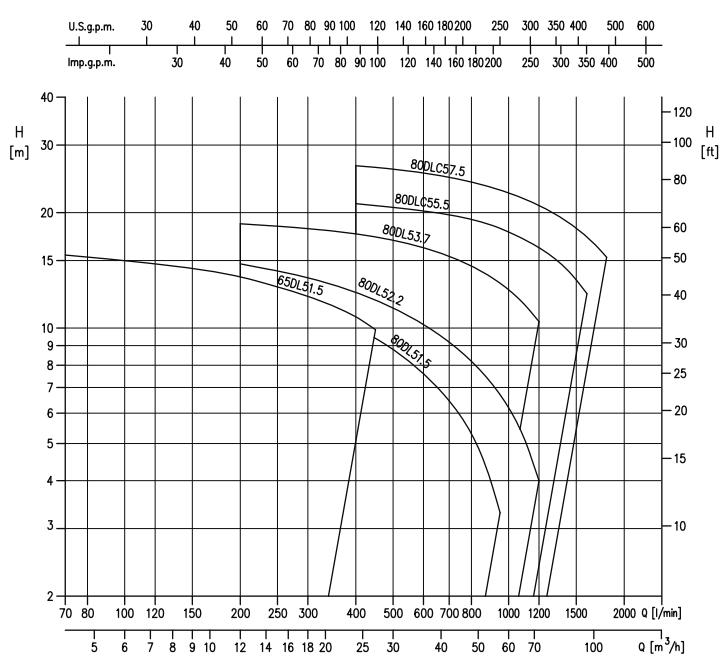
**Pump body** Cast iron

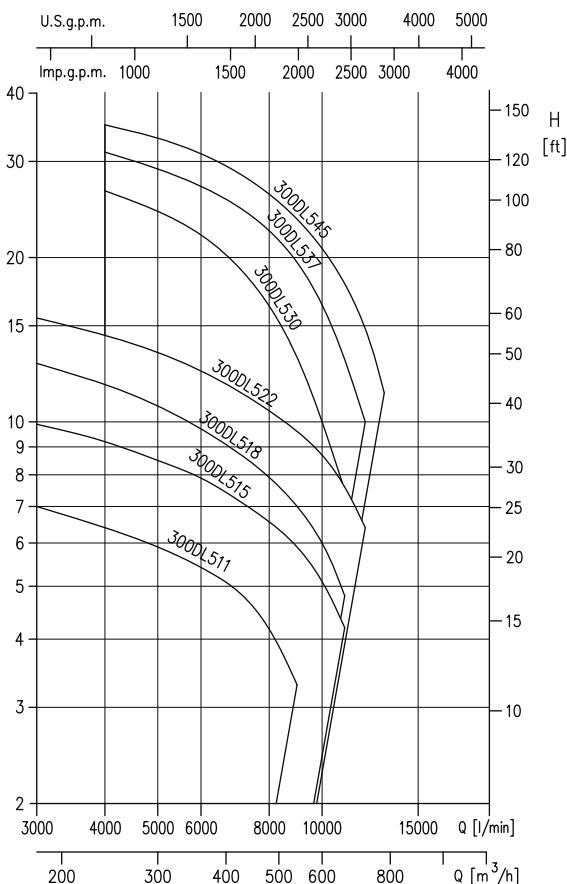
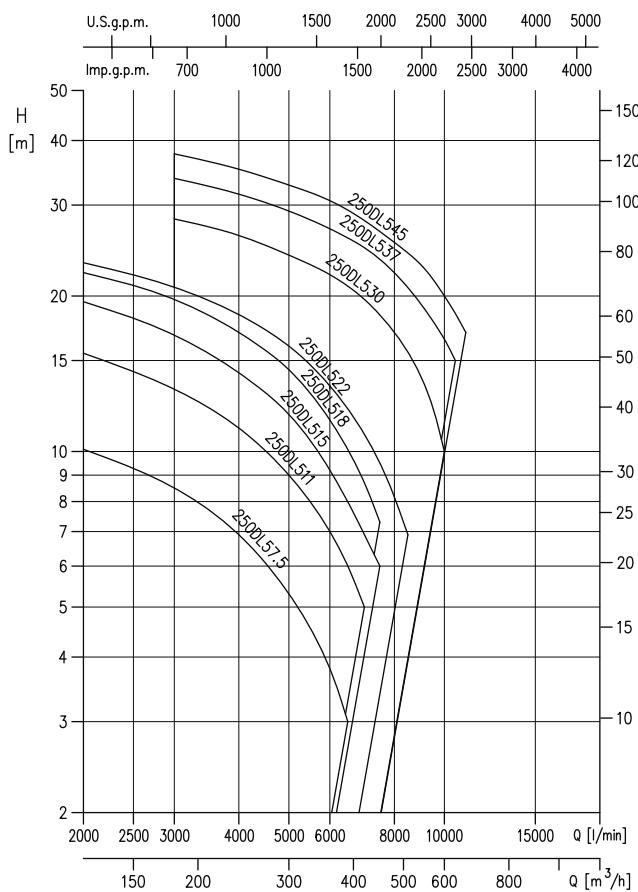
**Impeller** Cast iron

**Shaft** AISI 403 (EN 1.4006)

**Mechanical seal** Impeller side: SiC/SiC/NBR  
Motor side: Carbon/Ceramic/NBR

**DL**

**Submersible sewage electric pumps**


**DL****CE****Submersible sewage electric pumps**

**DL**
**CE**
**Submersible sewage electric pumps**
**65-80DL Selection table**

Model	HP	kW	Q=Flow rate														
			I/min	0	70	150	200	400	450	600	800	950	1000	1200	1400	1600	1800
			m³/h	0	4	9	12	24	27	36	48	57	60	72	84	96	108
65DL51,5	2	1,5		16,4	15,5	14,3	13,6	10,7	9,9	-	-	-	-	-	-	-	-
80DL51,5	2	1,5		14,0	-	-	12,2	10,0	9,4	7,6	5,3	3,3	-	-	-	-	-
80DL52,2	3	2,2		17,1	-	-	14,7	12,4	11,8	10,2	8,2	6,7	6,2	4,0	-	-	-
80DL53,7	5	3,7		19,4	-	-	18,7	17,6	17,3	16,2	14,5	13,1	12,6	10,4	-	-	-
80DLC55,5	7,5	5,5		22,2	-	-	-	21,1	20,9	20,2	19,2	18,2	17,8	16,2	14,4	12,3	-
80DLC57,5	10	7,5		28,0	-	-	-	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														
			I/min	0	400	500	600	800	1200	1500	1600	1800	1900	2200	2400	2600	2800
			m³/h	0	24	30	36	48	72	90	96	108	114	132	144	156	168
100DLC55,5	7,5	5,5		22,2	21,1	20,7	20,2	19,2	16,2	13,3	12,3	-	-	-	-	-	-
100DLC57,5	10	7,5		28,0	26,5	25,9	25,4	24,0	20,9	18,3	17,3	15,3	-	-	-	-	-
100DL53,7	5	3,7		16,0	-	14,1	13,6	12,6	10,3	8,3	7,5	5,9	5,0	-	-	-	-
100DLB55,5	7,5	5,5		17,0	-	-	16,0	15,5	14,0	12,7	12,2	11,1	10,6	8,8	-	-	-
100DLB57,5	10	7,5		22,5	-	-	20,8	20,0	18,3	16,7	16,1	15,1	15,0	12,5	11,4	-	-
100DL511	15	11		30,4	-	-	-	27,3	25,2	23,4	22,8	21,5	20,8	18,5	16,9	15,1	-
100DL515	20	15		33,9	-	-	-	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		41,0	-	-	-	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															
			I/min	0	1000	1200	1500	2000	2500	3000	3200	3400	3500	3600	3800	4000	4200	4400
			m³/h	0	60	72	90	120	150	180	192	204	210	216	228	240	252	264
150DL55,5	7,5	5,5		15,8	12,5	11,9	11,2	9,7	8,0	6,0	5,1	-	-	-	-	-	-	
150DL57,5	10	7,5		19,6	17,0	16,4	15,2	13,6	11,6	9,5	8,6	7,7	-	-	-	-	-	
150DL511	15	11		24,7	-	20,8	20,0	18,1	16,4	14,5	13,6	12,7	12,2	11,7	-	-	-	
150DL515	20	15		31,4	-	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		32,5	-	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		38,7	-	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		39,0	-	-	35,0	33,2	31,5	29,9	29,3	28,8	28,5	28,3	27,8	27,4	-	
150DL537	50	37		43,0	-	-	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		48,0	-	-	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****CE****Submersible sewage electric pumps****200DL Selection table**

Model	HP	kW	Q=Flow rate														
			I/min	0	1000	1500	2000	2500	3000	4000	4500	5000	5500	6000	7000	7500	
			m³/h	0	60	90	120	150	180	240	270	300	330	360	420	450	480
H=Total head [m]																	
200DL55,5	7,5	5,5		12,0	9,8	8,7	7,7	6,8	5,8	3,5	-	-	-	-	-	-	-
200DL57,5	10	7,5		15,5	-	12,5	11,5	10,5	9,4	7,4	6,5	-	-	-	-	-	-
200DL511	15	11		19,7	-	16,5	15,6	14,6	13,5	11,3	10,2	9,0	-	-	-	-	-
200DL515	20	15		23,9	-	-	20,1	19,0	17,9	15,6	14,3	13,0	11,5	-	-	-	-
200DL518,5	25	18,5		26,5	-	-	23,3	22,2	20,9	17,9	16,3	14,6	12,8	-	-	-	-
200DL522	30	22		34,9	-	-	29,0	27,2	25,3	21,1	19,0	17,0	15,1	-	-	-	-
200DL530	40	30		39,7	-	-	-	32,2	30,6	27,6	25,9	24,2	22,5	20,7	16,7	-	-
200DL537	50	37		43,0	-	-	-	35,8	34,4	31,1	29,6	28,1	26,5	24,8	21,0	19,1	-
200DL545	60	45		48,0	-	-	-	40,5	39,0	36,0	34,5	33,0	31,5	30,0	26,4	24,5	22,5

**250DL Selection table**

Model	HP	kW	Q=Flow rate															
			I/min	0	2000	3000	4000	5000	6000	6500	7000	7500	8000	8500	9000	10000	10500	11000
			m³/h	0	120	180	240	300	360	390	420	450	480	510	540	600	630	660
H=Total head [m]																		
250DL57,5	10	7,5		13,6	10,1	8,5	6,9	5,3	3,8	3,0	-	-	-	-	-	-	-	-
250DL511	15	11		20,2	15,5	13,2	11,1	9,0	7,0	6,0	5,0	-	-	-	-	-	-	-
250DL515	20	15		25,2	19,5	16,8	14,2	11,8	9,2	8,0	6,9	6,0	-	-	-	-	-	-
250DL518,5	25	18,5		27,0	22,2	19,7	17,0	14,4	11,5	10,1	8,7	7,3	-	-	-	-	-	-
250DL522	30	22		27,8	23,2	20,8	18,4	16,0	13,4	12,1	10,8	9,5	8,2	6,9	-	-	-	-
250DL530	40	30		36,0	-	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		40,0	-	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		45,0	-	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														
			I/min	0	3000	4000	5000	6000	7000	8000	9000	10000	11000	12000	13000		
			m³/h	0	180	240	300	360	420	480	540	600	660	720	780		
H=Total head [m]																	
300DL511	15	11		9,2	7,0	6,4	5,9	5,5	4,9	4,2	3,3	-	-	-	-	-	-
300DL515	20	15		12,2	9,9	9,2	8,5	8,0	7,2	6,6	5,9	5,1	4,2	-	-	-	-
300DL518,5	25	18,5		16,6	12,8	11,7	10,7	9,7	8,8	7,9	7,0	6,0	4,8	-	-	-	-
300DL522	30	22		19,0	15,5	14,4	13,4	12,4	11,4	10,5	9,6	8,7	7,6	6,4	-	-	-
300DL530	40	30		36,0	-	26,5	24,4	22,0	19,3	16,3	13,1	10,0	7,5	-	-	-	-
300DL537	50	37		40,0	-	31,2	29,2	27,0	24,8	22,4	19,6	16,4	13,0	10,0	-	-	-
300DL545	60	45		45,0	-	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.			Passage [mm]	DNM	Weight [kg]
					380V	400V	415V			
65DL51,5	1545500000	2	1,5	1450	4,1	3,9	4,1	46	65	52,0
80DL51,5	1545500001	2	1,5	1450	4,1	3,9	4,1	46	80	55,0
80DL52,2	1545500002	3	2,2	1450	5,7	5,2	5,2	46	80	67,0
80DL53,7	1545500003	5	3,7	1450	8,4	8,3	7,6	46	80	75,0
80DLC55,5	1545500004	7,5	5,5	1450	11,7	11,3	1,7	46	80	134,0
80DLC57,5	1545500005	10	7,5	1450	16,4	15,5	14,8	46	80	148,0
100DLC55,5	1545500006	7,5	5,5	1450	11,7	11,3	1,7	46	100	134,0
100DLC57,5	1545500007	10	7,5	1450	16,4	15,5	14,8	46	100	148,0
100DL53,7	1545500008	5	3,7	1450	8,4	8,3	7,6	57	100	79,0
100DLB55,5	1545500009	7,5	5,5	1450	11,7	11,3	1,7	57	100	123,0
100DLB57,5	1545500010	10	7,5	1450	16,4	15,5	14,8	57	100	141,0
100DL511	1545500011	15	11	1450	-	21,5	21	57	100	180,0
100DL515	1545500012	20	15	1450	-	28,5	27	57	100	230,0
100DL518,5	1545500013	25	18,5	1450	-	35	34	57	100	285,0
150DL55,5	1545500014	7,5	5,5	1450	11,7	11,3	1,7	68	150	146,0
150DL57,5	1545500015	10	7,5	1450	16,4	15,5	14,8	68	150	158,0
150DL511	1545500016	15	11	1450	-	21,5	21	68	150	199,0
150DL515	1545500017	20	15	1450	-	28,5	27	68	150	237,0
150DL518,5	1545500018	25	18,5	1450	-	35	34	68	150	300,0
150DL522	1545500019	30	22	1450	-	42	40	68	150	325,0
150DL530	1545500122	40	30	1450	59	58	58,5	76	150	350,0
150DL537	1545500123	50	37	1450	72,5	72,5	73,5	76	150	350,0
150DL545	1545500124	60	45	1450	88	87,5	88,5	76	150	350,0
200DL55,5	1545500020	7,5	5,5	1450	11,7	11,3	1,7	73	200	160,0
200DL57,5	1545500021	10	7,5	1450	16,4	15,5	14,8	73	200	176,0
200DL511	1545500022	15	11	1450	-	21,5	21	73	200	212,0
200DL515	1545500023	20	15	1450	-	28,5	27	73	200	260,0
200DL518,5	1545500024	25	18,5	1450	-	35	34	t73	200	305,0
200DL522	1545500025	30	22	1450	-	42	40	73	200	330,0
200DL530	1545500125	40	30	1450	59	58	58,5	76	200	350,0
200DL537	1545500126	50	37	1450	72,5	72,5	73,5	76	200	370,0
200DL545	1545500127	60	45	1450	88	87,5	88,5	76	200	370,0
250DL57,5	1545500026	10	7,5	1450	16,4	15,5	14,8	79	250	260,0
250DL511	1545500027	15	11	1450	-	21,5	21	79	250	320,0
250DL515	1545500028	20	15	1450	-	28,5	27	79	250	380,0
250DL518,5	1545500029	25	18,5	1450	-	35	34	79	250	420,0
250DL522	1545500030	30	22	1450	-	42	40	79	250	440,0
250DL530	1545500128	40	30	1450	59	58	58,5	76	250	458,0
250DL537	1545500129	50	37	1450	72,5	72,5	73,5	76	250	522,0
250DL545	1545500130	60	45	1450	88	87,5	88,5	76	250	540,0
300DL511	1545500031	15	11	1450	-	21,5	21	88	300	365,0
300DL515	1545500032	20	15	1450	-	28,5	27	88	300	395,0
300DL518,5	1545500033	25	18,5	1450	-	35	34	88	300	440,0
300DL522	1545500034	30	22	1450	-	42	40	88	300	465,0
300DL530	1545500131	40	30	1450	59	58	58,50	76	300	458,0
300DL537	1545500132	50	37	1450	72,5	72,5	73,50	76	300	522,0
300DL545	1545500133	60	45	1450	88	87,5	88,50	76	300	540,0

DOL start for models up to 7,5kW, SD start for models from 11kW and above  
Pump supplied with elbow

# DL



## Submersible sewage electric pumps

Model	Code	HP	kW	rpm	Abs. Curr.			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 dual-channel open



Impeller single channel open with cutting action



Non-clogging semi-open impeller

## Accessories



### Quick discharge connection

Page 453 - **Quick discharge connection (QDC)**  
For DS, DVS, DML, DMLV, DL-DL  
W/C (with cutter)



### Adaptors

Page 454 - **Lowering slide kit 2 DN50 guide pipes**  
Adaptor for the use of lowering slide kit (QDC)  
Page 454 - **Flange adaptor**  
(Steel C40) JIS/DIN (DS, DVS, DL-DL  
W/C, DML, DMLV)  
Page 454 - **Hook guide**  
Adaptor (guide pipe) and flange for  
adaptor



### Control Panels

Page 424 - **Control panels**  
DIRECTO 1-2, STARDELTA 1-2

## Technical data

**Max. immersion** 7 m with 10 m cable lenght

**Max. temperature of the liquid (sewage water)** 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 3~380-415±10%  
(1,5÷7,5kW)

The pump does not have an internal motor protector, therefore overload protection must be provided by the user.

## Materials

**Pump body** Cast iron

**Impeller** Cast iron

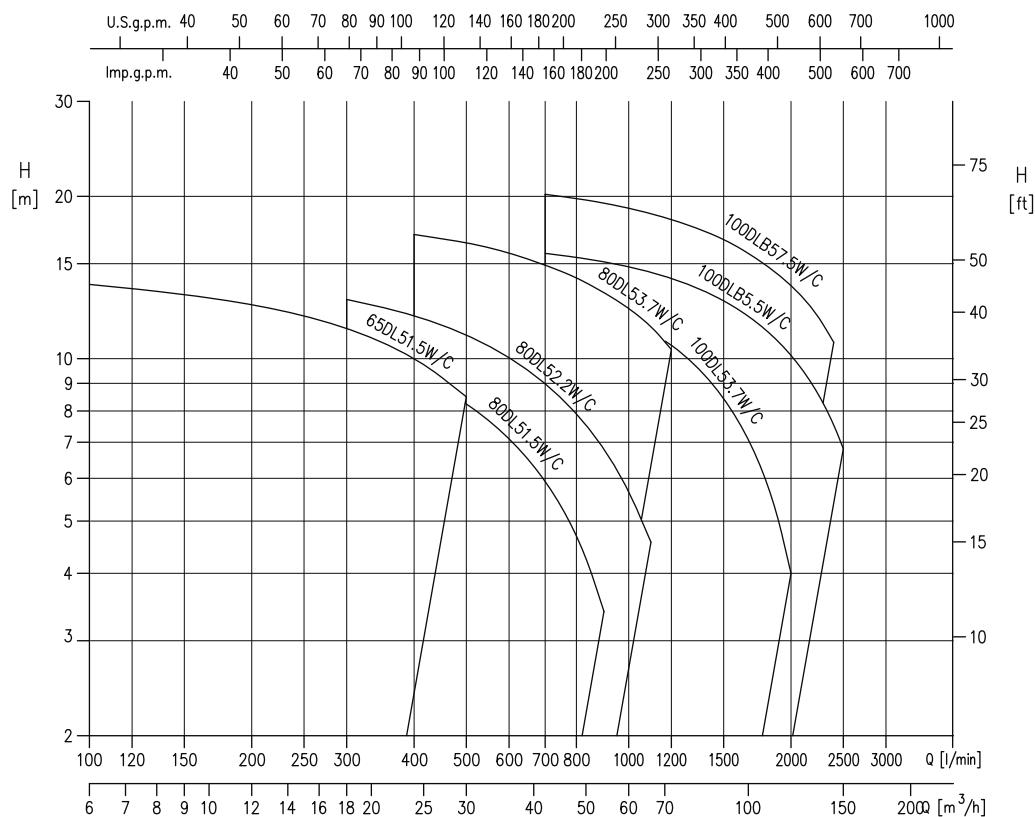
**Shaft** AISI 403 (EN 1.4006)

**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		0	100	250	300	400	500	700	900	1000	1100	1200	1400	1600	2000	
			m³/h	0	6	15	18	24	30	42	54	60	66	72	84	96	120	144	150
65DL51.5 W/C	2	1,5		14,8	13,7	12,0	11,4	10,0	8,5	-	-	-	-	-	-	-	-	-	
80DL51.5 W/C	2	1,5		12,7	-	10,7	10,3	9,3	8,2	5,9	3,4	-	-	-	-	-	-	-	
80DL52.2 W/C	3	2,2		15,2	-	-	12,9	12,0	11,1	9,0	6,8	5,7	4,6	-	-	-	-	-	
80DL53.7 W/C	5	3,7		18,5	-	-	-	17,0	16,4	14,9	13,4	12,6	11,6	10,4	-	-	-	-	
100DL53.7 W/C	5	3,7		16,1	-	-	-	-	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		16,9	-	-	-	-	-	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		22,5	-	-	-	-	-	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.			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 dual-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 (EN 1.4028)

**Mechanical seal** Impeller side: SiC/SiC/NBR  
Motor side: Carbon/Ceramic/NBR

## Technical data

**Max. immersion** 7 m with 10 m cable lenght

**Max. temperature  
of the liquid  
(sewage water)** 40°C

**Max. solids  
passage** 30÷140mm

**Poles** 2, 4, 6, 8

**Insulation class** H

**Protection degree** IP68

**Voltage** Three phase 3~400/690V ±10%

The pump does not have an internal motor protector, therefore overload protection must be provided by the user.

## Accessories



### Adaptors

Page 454 - **Lowering slide kit 2 DN50 guide pipes**

Adaptor for the use of lowering slide kit (QDC)

Page 454 - **Hook guide**

Adaptor (guide pipe) and flange for adaptor



### Accessories

Page 453 - **DMLF-DMLVF-DSF-DRD-DRS Accessories**

- QDC - Quick discharge connection
- Elbow for discharge
- Tripod
- Threaded flange



### Control Panels

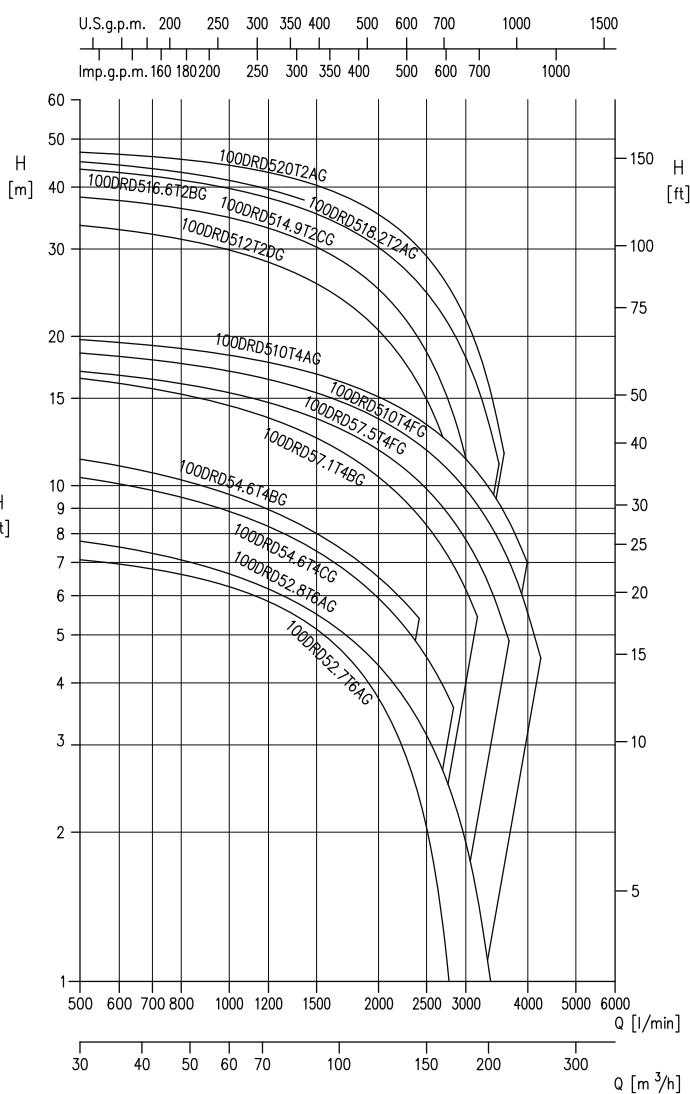
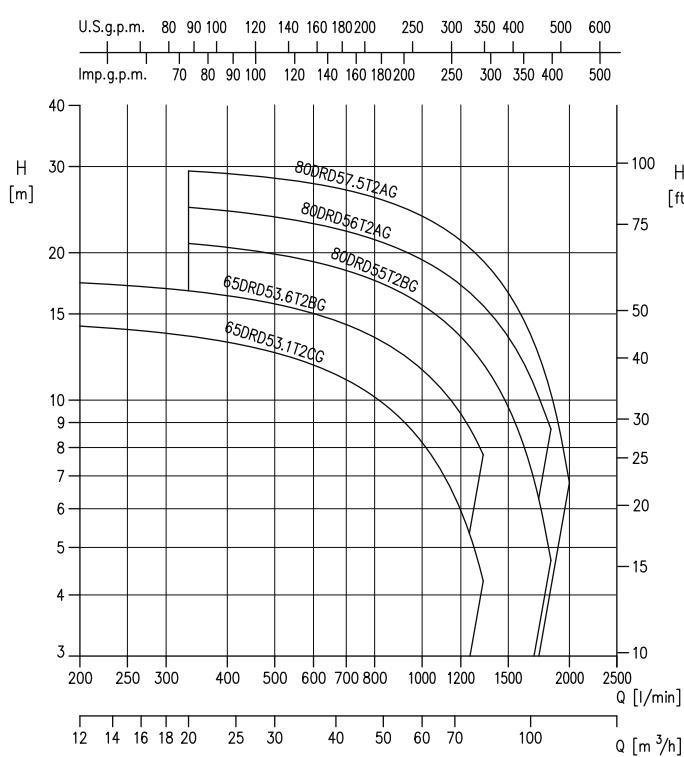
Page 424 - **Control panels**

DIRECTO 1-2, STARDELTA 1-2

# DRD



Submersible sewage electric pumps with multi-channel impeller

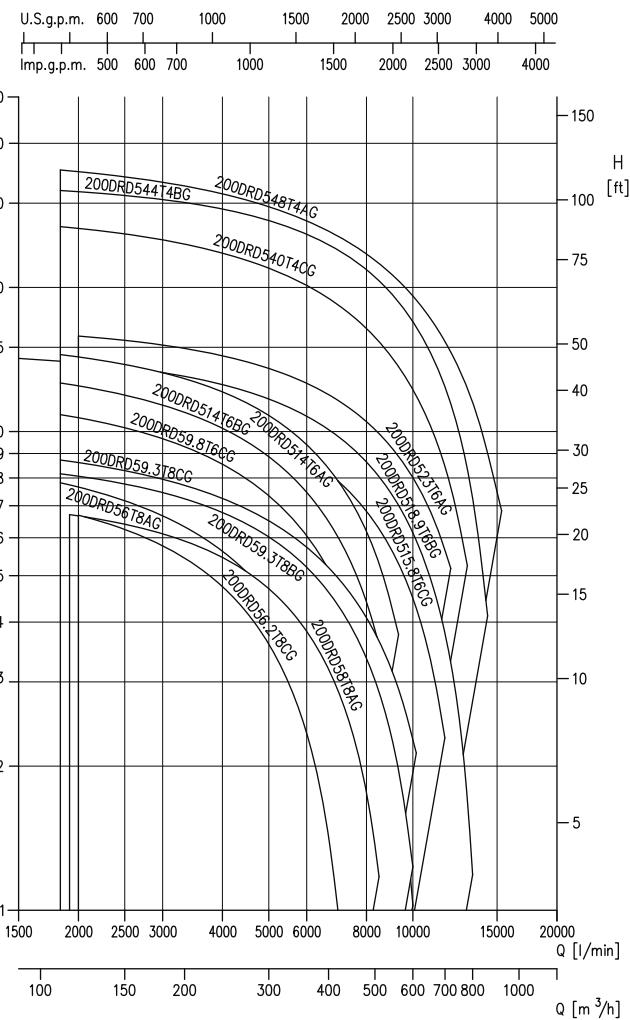
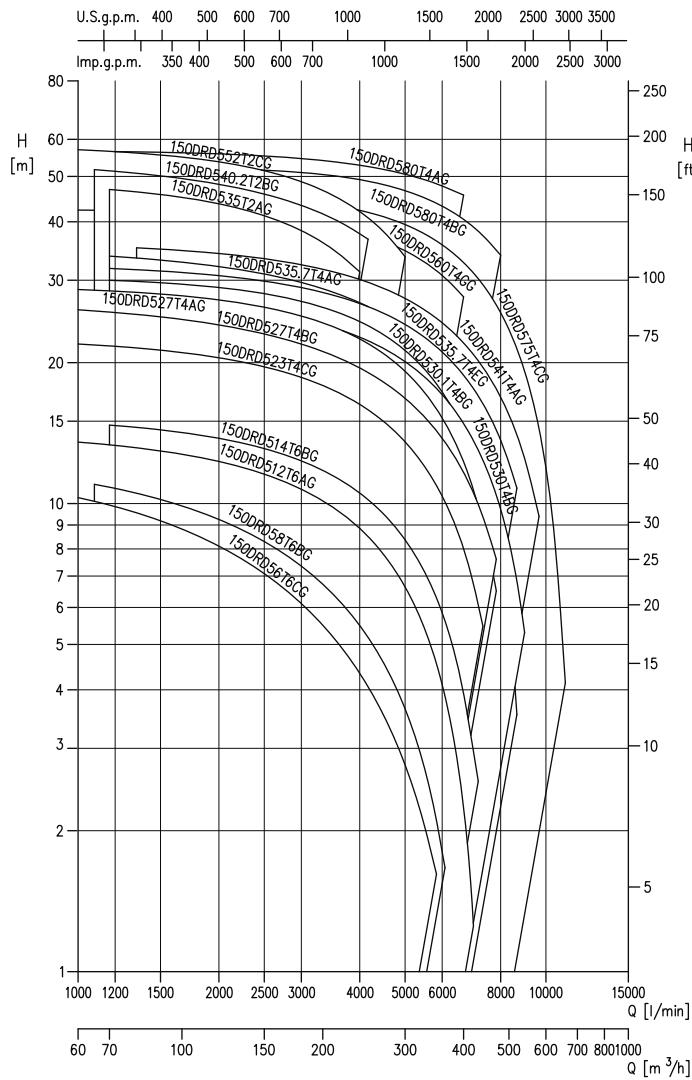


# DRD



Submersible sewage electric pumps with multi-channel impeller

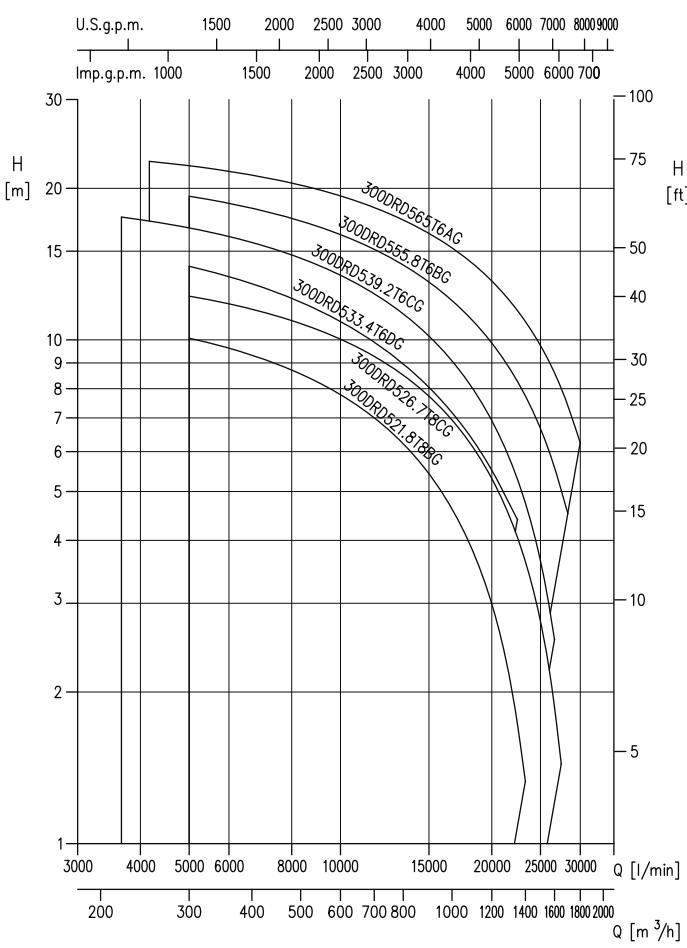
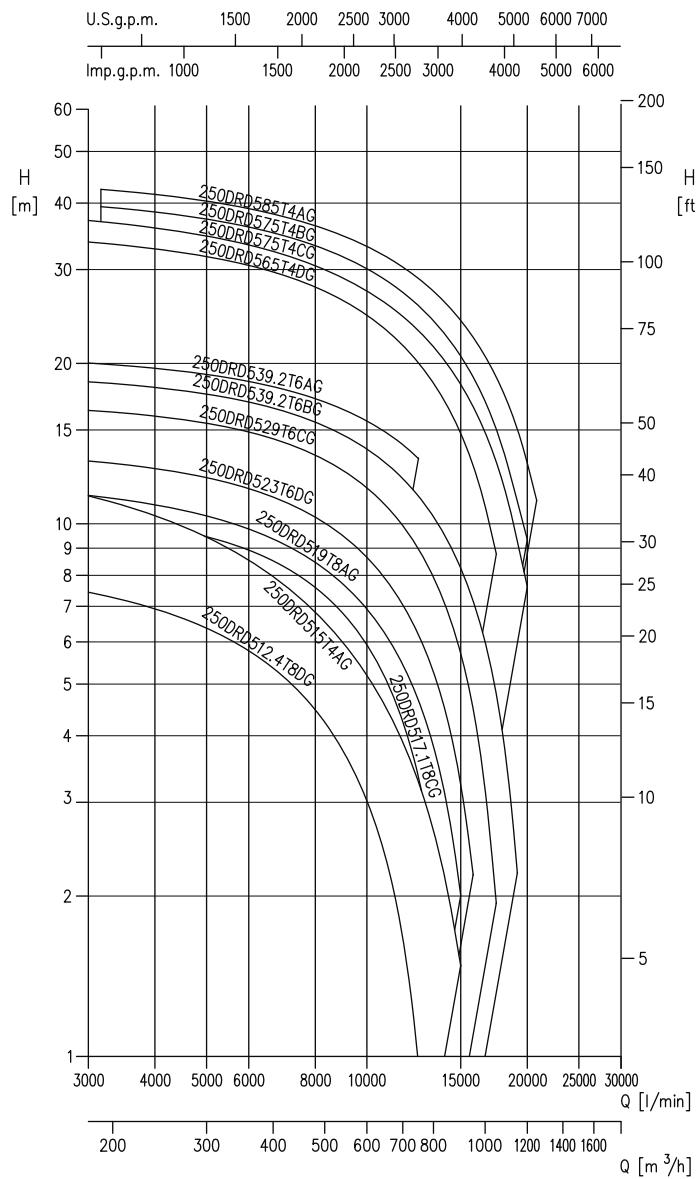
DRD



# DRD



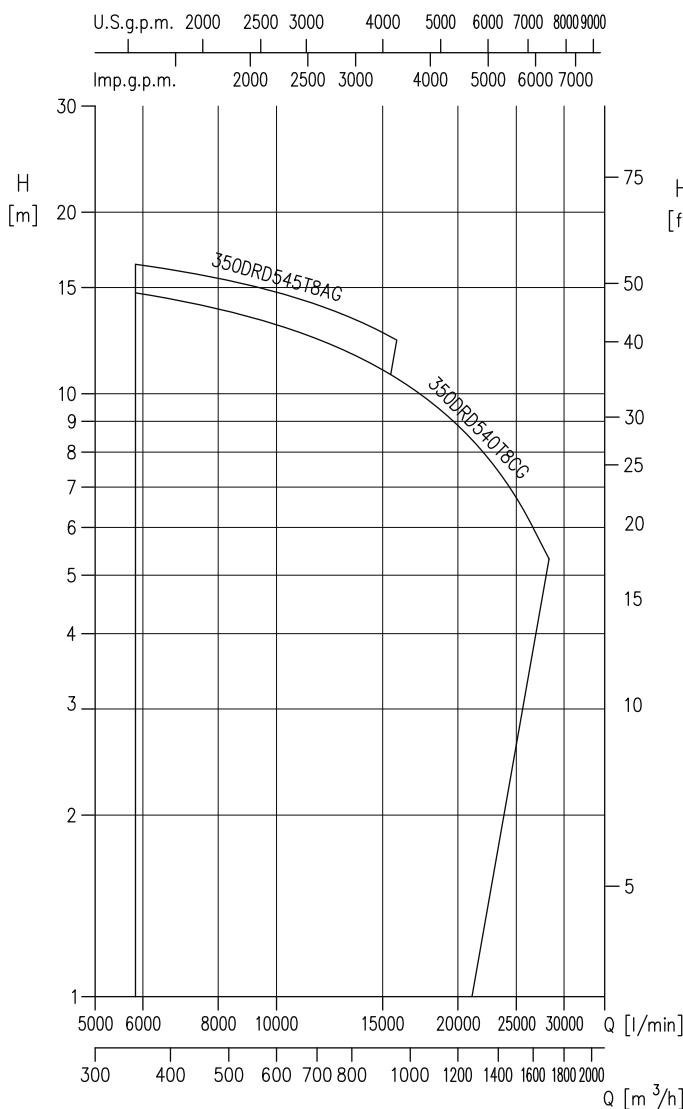
**Submersible sewage electric pumps with multi-channel impeller**



# DRD



Submersible sewage electric pumps with multi-channel impeller



# DRD



Submersible sewage electric pumps with multi-channel impeller

## 65-80DRD Selection table

Model	HP	kW	Q=Flow rate								
			I/min		0	200	333	833	1333	1833	2000
			m³/h	0	12	20	50	80	110	120	
H=Total head [m]											
65DRD53.1T2CG	4,2	3,1		14,9		14,2	13,5	9,8	4,3	-	-
65DRD53.6T2BG	4,8	3,6		18,1		17,4	16,7	13,1	7,8	-	-
80DRD55T2BG	6,7	5		22,4		-	20,9	17,3	11,9	4,7	-
80DRD56T2AG	8	6		26,4		-	24,8	21	15,6	8,7	-
80DRD57.5T2AG	10,1	7,5		30,5		-	29,4	25,6	19,2	10,3	6,8

## 100DRD Selection table

Model	HP	kW	Q=Flow rate														
			I/min		0	500	833	1417	2417	2833	3000	3167	3333	3500	3583	3667	4000
			m³/h	0	30	50	85	145	170	180	190	200	210	215	220	240	
H=Total head [m]																	
100DRD52.7T6AG	3,6	2,7		7,6	7,1	6,6	5,3	2,3	0,8	-	-	-	-	-	-	-	
100DRD52.8T6AG	3,8	2,8		8,8	7,7	7	5,7	3,3	2,3	1,9	1,5	1,1	-	-	-	-	
100DRD54.6T4CG	6,2	4,6		12	10,4	9,4	7,6	4,7	3,6	-	-	-	-	-	-	-	
100DRD54.6T4BG	6,2	4,6		13,1	11,3	10,2	8,3	5,4	-	-	-	-	-	-	-	-	
100DRD57.1T4BG	9,5	7,1		18,4	16,5	15,2	12,5	8,3	6,9	6,2	5,5	4,7	-	-	-	-	
100DRD57.5T4FG	10,1	7,5		18,6	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		20	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		21	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		36,5	33,5	31,2	26,3	15,9	10,8	8,6	-	-	-	-	-	-	
100DRD514.9T2CG	20,0	14,9		41	38,2	36	31,1	19,7	13,9	11,3	8,7	6	-	-	-	-	
100DRD516.6T2BG	22,3	16,6		46,5	43,5	41	36,1	25,5	20,3	18,1	15,8	13,5	11,1	-	-	-	
100DRD518.2T2AG	24,4	18,2		48	45	42,5	37,7	-	-	-	-	-	-	-	-	-	
100DRD520T2AG	26,8	20		48,5	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																						
			I/min		0	1000	1083	1167	1333	2667	4000	4167	5000	5833	6083	6667	7000	7167	7333	7833	8000	8667	9000	9667	11000
			m³/h	0	60	65	70	80	160	240	250	300	350	365	400	420	430	440	470	480	520	540	580	660	
H=Total head [m]																									
150DRD56T6CG	8,0	6		12,7	10,3	10,1	9,9	9,6	6,8	4,3	4,1	2,8	1,6	-	-	-	-	-	-	-	-	-			
150DRD58T6BG	10,7	8		13,1	-	11	10,8	10,5	8	5,5	5,2	3,6	2,1	1,7	-	-	-	-	-	-	-	-			
150DRD512T6AG	16,1	12		14,5	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		15,6	-	-	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		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		27,6	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		29,5	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		28,5	-	-	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		30,7	-	-	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		49,5	-	-	47	46,5	40,5	31,2	-	-	-	-	-	-	-	-	-	-	-	-			
150DRD535.7T4EG	47,9	35,7		32,9	-	-	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		35,7	-	-	33,8	30,5	26,9	26,4	23,6	21,9	-	-	-	-	-	-	-	-	-	-			
150DRD540.2T2BG	53,9	40,2		55	-	51,7	51,4	50,8	45	37,7	36,7	-	-	-	-	-	-	-	-	-	-	-			
150DRD541T4AG	55,0	41		36,7	-	-	-	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			
150DRD552T2CG	69,7	52		58,6	57	56,8	56,6	56,1	50,6	42	40,8	33,7	-	-	-	-	-	-	-	-	-	-			
150DRD560T4GG	80,5	60		42,5	42,5	42,5	42,5	42	41	37,8	37,3	34,7	31,4	30,4	27,6	-	-	-	-	-	-	-			
150DRD575T4CG	100,6	75		51,5	-	-	-	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			
150DRD580T4BG	107,3	80		45	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		57	-	-	56,5	55	53	52,5	50,5	49	48	47,5	45,5	-	-	-	-	-	-	-			



# DRD

Submersible sewage electric pumps with multi-channel impeller

**200DRD Selection table**

Model	HP	kW	Q=Flow rate																				
			I/min		0	1667	1833	1917	2000	4500	7000	7667	8500	9167	9333	10000	10167	11667	12000	13000	13333	14333	15333
			m³/h	0	100	110	115	120	270	420	460	510	550	560	600	610	700	720	780	800	860	920	
200DRD56T8AG	8	6		9,5	-	-	7,7	7,7	5,1	2,2	1,3	-	-	-	-	-	-	-	-	-	-		
200DRD56.2T8CG	8,3	6,2		8,2	-	-	-	6,7	4,2	1	-	-	-	-	-	-	-	-	-	-	-		
200DRD58T8AG	10,7	8		7,4	-	6,7	6,7	6,7	5,1	2,9	2,1	1,2	-	-	-	-	-	-	-	-	-		
200DRD59.3T8CG	12,5	9,3		9,1	-	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		9,8	-	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		12,5	-	10,9	10,8	10,7	8	4,7	3,7	2,5	1,4	-	-	-	-	-	-	-	-		
200DRD514T6BG	18,8	14		14,4	-	12,6	12,5	12,5	9,5	6	4,9	3,6	2,4	1,8	1	-	-	-	-	-	-		
200DRD514T6AG	18,8	14		16	-	14,5	14,4	14,3	11,5	7,8	6,7	5,3	4,1	3,5	-	-	-	-	-	-	-		
200DRD515.8T6CG	21,2	15,8		12,9	-	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		15	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		16,9	-	-	-	15,8	14	11,6	10,9	9,9	9,1	8,9	8	7,8	5,7	5,2	-	-	-		
200DRD540T4CG	53,6	40		29,2	-	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		33,6	-	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		38,3	-	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																	
			I/min		0	3000	3167	5000	8333	12500	12667	14000	15000	15833	17500	19167	19833	20000	20833	
			m³/h	0	180	190	300	500	750	760	840	900	950	1050	1150	1190	1200	1250		
250DRD515T4AG	20,1	15		14,2	11,3	11,1	9,4	6,3	3,3	3,1	2,2	1,5	-	-	-	-	-	-	-	-
250DRD512.4T8DG	16,6	12,4		8,7	7,4	7,4	6,4	4	1	0,8	-	-	-	-	-	-	-	-	-	-
250DRD517.1T8CG	22,9	17,1		10,8	10,3	10,2	9,5	7,1	3,3	3,1	1,5	-	-	-	-	-	-	-	-	-
250DRD519T8AG	25,5	19		12,3	11,3	11,2	10,3	8	4,7	4,5	3,1	2	-	-	-	-	-	-	-	-
250DRD523T6DG	30,8	23		13,9	13,1	13,1	12,2	9,8	6,2	6	4,5	3,3	2,2	-	-	-	-	-	-	-
250DRD529T6CG	38,9	29		17	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		19,4	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		21	20	20	19,1	16,7	13,3	-	-	-	-	-	-	-	-	-	-	-
250DRD565T4DG	87,2	65		36,1	33,8	33,7	31,7	26,8	20	19,7	17	14,8	12,8	8,8	-	-	-	-	-	-
250DRD575T4CG	100,6	75		40,5	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		42,5	-	39,4	37,3	32,3	25,7	25,3	22,7	20,6	18,8	15	11	9,4	-	-	-	-
250DRD585T4AG	114,0	85		45,5	-	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																	
			I/min		0	3667	4167	5000	8333	11667	15000	18333	22500	23333	26667	27500	28333	30000		
			m³/h	0	220	250	300	500	700	900	1100	1350	1400	1600	1650	1700	1800			
300DRD521.8T8BG	29,2	21,8		12,3	-	-	10,1	8,6	7	5,4	3,8	1,7	1,3	-	-	-	-	-	-	-
300DRD526.7T8CG	35,8	26,7		14,3	-	-	12,2	10,8	9,3	7,7	6,1	4,1	3,6	1,9	1,4	-	-	-	-	-
300DRD533.4T6DG	44,8	33,4		17,4	-	-	14	11,9	9,9	8	6,3	4,3	-	-	-	-	-	-	-	-
300DRD539.2T6CG	52,6	39,2		20	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		22,4	-	-	19,3	17,2	15,1	13	10,9	8,3	7,7	5,6	5,1	4,5	-	-	-	-
300DRD565T6AG	87,2	65		24,9	-	22,6	22,2	20,3	18,3	16,3	14,2	11,4	10,9	8,6	8	7,4	6,2	-	-	-

# DRD



Submersible sewage electric pumps with multi-channel impeller

## 350DRD Selection table

Model	HP	kW	Q=Flow rate								
			I/min	0	5833	8333	11667	15833	20000	25000	28333
			m <sup>3</sup> /h	0	350	500	700	950	1200	1500	1700
350DRD540T8CG	53,6	40		17	14,7	13,7	12,3	10,6	8,9	6,7	5,3
350DRD545T8AG	60,3	45		18,6	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
150DRD560T4GG *	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 *	1545000713	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 electric 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

## Materials

Pump body	Cast iron
Impeller	Cast iron
Shaft	AISI 420B (EN 1.4028)
Mechanical seal	Impeller side: SiC/SiC/NBR Motor side: Carbon/Ceramic/NBR

## Technical data

**Max. immersion** 7 m with 10 m cable lenght

**Max. temperature of the liquid (sewage water)** 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 1~230V ±10%  
Three phase 3~400/690 ±10%

The pump does not have an internal motor protector, therefore overload protection must be provided by the user.

## Accessories



### Adaptors

Page 454 - **Lowering slide kit 2 DN50 guide pipes**

Adaptor for the use of lowering slide kit (QDC)

Page 454 - **Hook guide**

Adaptor (guide pipe) and flange for adaptor



### Accessories

Page 453 - **DMLF-DMLVF-DSF-DRD-DRS Accessories**

- QDC - Quick discharge connection
- Elbow for discharge
- Tripod
- Threaded flange



### Control Panels

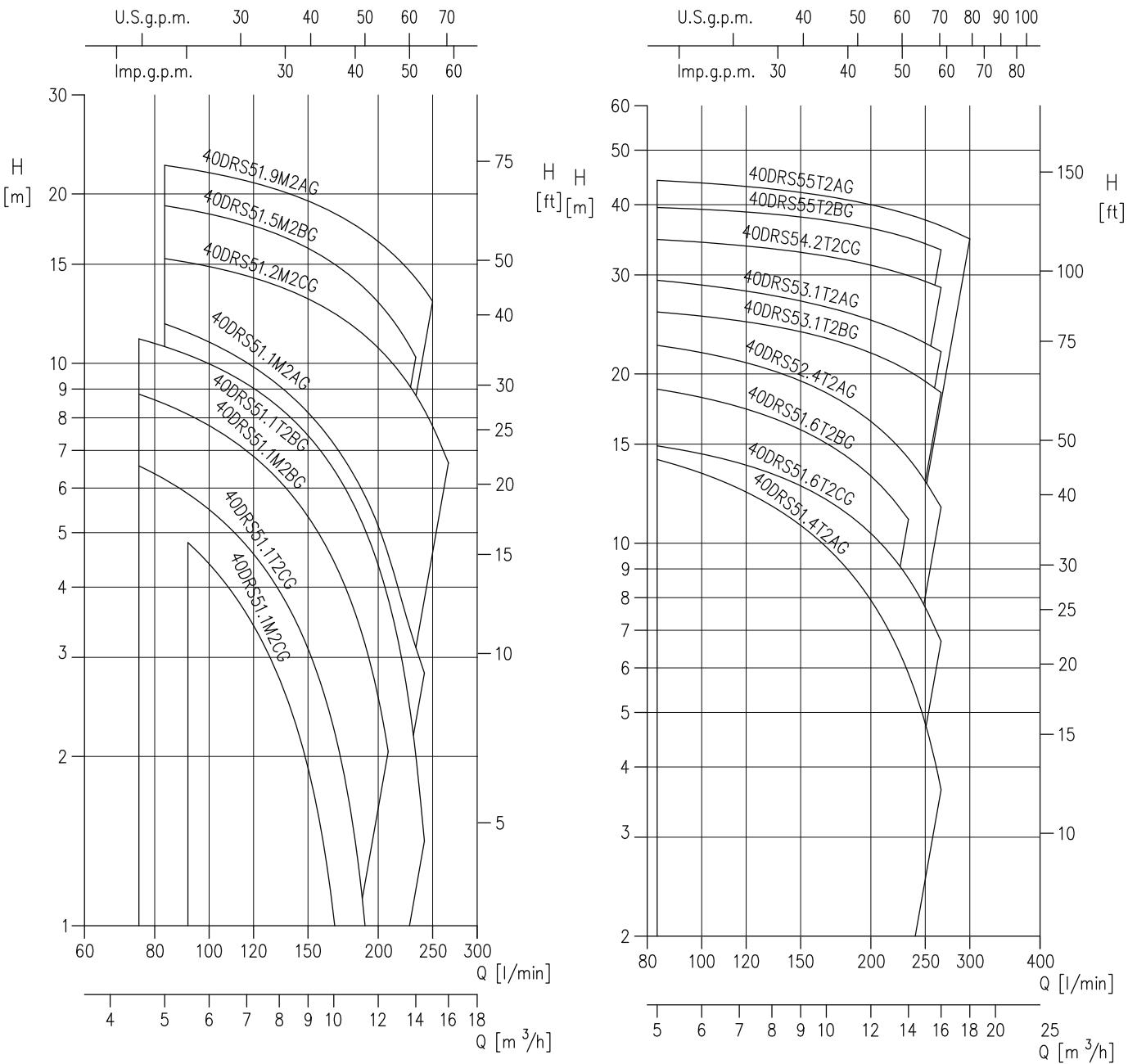
Page 424 - **Control panels**

DIRECTO 1-2, STARDELTA 1-2

# DRS



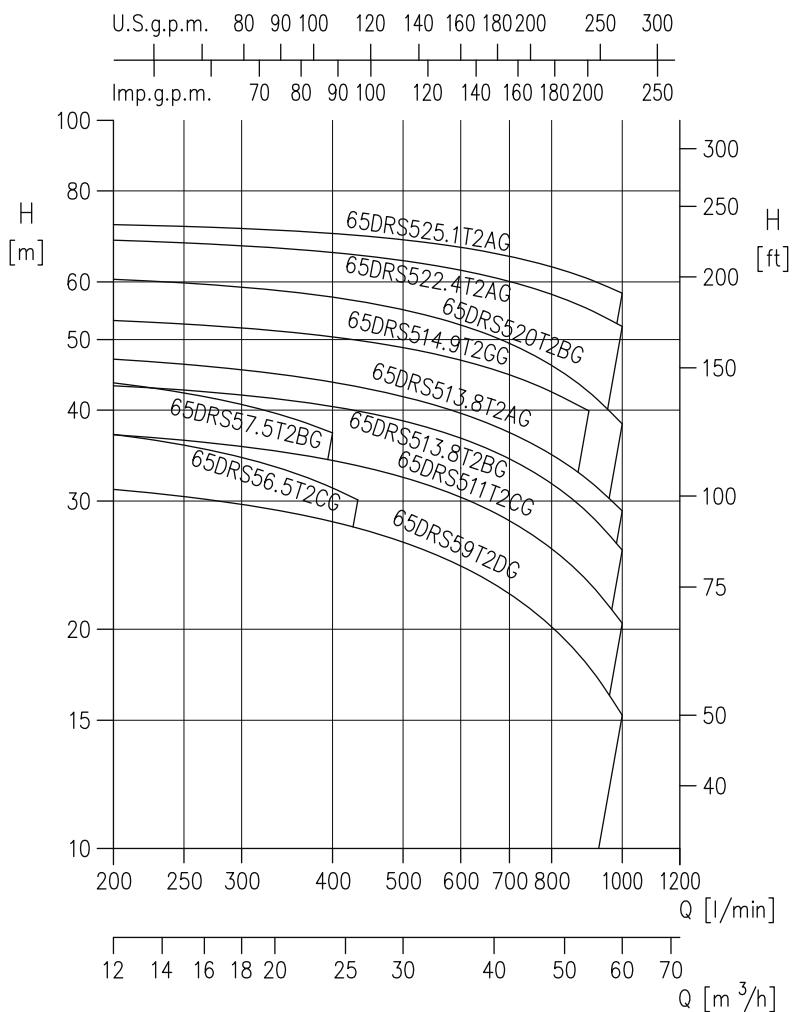
Submersible sewage electric pumps with open impeller and grinder device inlet



# DRS



Submersible sewage electric pumps with open impeller and grinder device inlet





# DRS

CE

**Submersible sewage electric pumps with open impeller and grinder device inlet**

## 40DRS Selection table

Model	HP	kW	Q=Flow rate											
			I/min	0	75	83	92	150	175	200	208	233	242	250
			m³/h	0	4,5	5,0	5,5	9,0	10,5	12,0	12,5	14,0	14,5	15,0
40DRS51.1M2CG	1,5	1,1		9	-	-	4,8	1,9	0,6	-	-	-	-	-
40DRS51.1M2BG	1,5	1,1		11,4	8,8	8,5	8,1	5,3	4	2,5	2	-	-	-
40DRS51.1M2AG	1,5	1,1		15,5	-	11,8	11,3	8,2	6,7	5,1	4,6	3	2,4	-
40DRS51.2M2CG	1,6	1,2		16,9	-	15,3	15,1	13	11,9	10,6	10,2	8,8	8,3	7,7
40DRS51.5M2BG	2	1,5		20,9	-	19,1	18,7	16	14,5	12,8	12,2	10,3	-	-
40DRS51.9M2AG	2,5	1,9		24,8	-	22,5	21,2	19,4	18	16,5	15,9	14,2	13,5	12,9
40DRS51.1T2CG	1,5	1,1		9,3	6,6	6,2	5,9	3,1	1,8	0,4	-	-	-	-
40DRS51.1T2BG	1,5	1,1		13,5	11	10,7	10,3	7,4	6	4,4	3,8	2	1,4	-

## 40DRS Selection table

Model	HP	kW	Q=Flow rate							
			I/min	0	83	150	200	233	267	300
			m³/h	0	5,0	9,0	12,0	14,0	16,0	18,0
40DRS51.4T2AG	1,9	1,4		17,5	14,1	10,8	7,9	5,9	3,7	-
40DRS51.6T2CG	2,1	1,6		16,5	14,9	12,6	10,4	8,7	6,7	-
40DRS51.6T2BG	2,1	1,6		21,1	18,8	15,9	13,2	11	-	-
40DRS52.4T2AG	3,2	2,4		24,8	22,5	19,4	16,5	14,2	11,6	-
40DRS53.1T2BG	4,2	3,1		27,3	25,8	23,8	21,8	20,3	18,5	-
40DRS53.1T2AG	4,2	3,1		31,8	29,3	27	24,9	23,5	21,9	-
40DRS54.2T2CG	5,6	4,2		36,1	34,7	32,9	31,2	29,9	28,5	-
40DRS55T2BG	6,7	5		40	39,5	38	36,3	34,9	33,3	-
40DRS55T2AG	6,7	5		46	44	42	40	38,4	36,7	34,8

## 65DRS Selection table

Model	HP	kW	Q=Flow rate							
			I/min	0	200	400	433	667	900	1000
			m³/h	0	12,0	24,0	26,0	40,0	54,0	60,0
65DRS56.5T2CG	8,7	6,5		40,5	37	31,3	30,1	-	-	-
65DRS57.5T2BG	10,1	7,5		47,5	43,5	37,2	-	-	-	-
65DRS59T2DG	12,1	9		33,5	31,1	28,1	27,5	23,1	17,8	15,2
65DRS511T2CG	14,8	11		39,1	37	34,1	33,5	28,9	23,2	20,4
65DRS513.8T2BG	18,5	13,8		45	43	40,5	39,9	35,1	28,8	25,7
65DRS513.8T2AG	18,5	13,8		49,5	47	43,5	43	38,1	32	29,1
65DRS514.9T2GG	20,0	14,9		55	53	50,5	50	45,5	39,8	-
65DRS520T2BG	26,8	20		62,5	60,5	57	56,5	50,5	42,5	38,3
65DRS522.4T2AG	30,0	22,4		70	68,5	66	65,5	61	55	52
65DRS525.1T2AG	33,7	25,1		73	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.



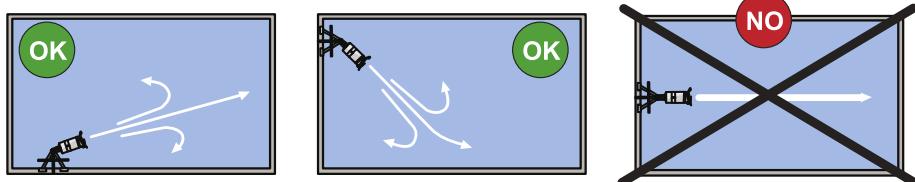
Possibility to use in fixed and mobile installations



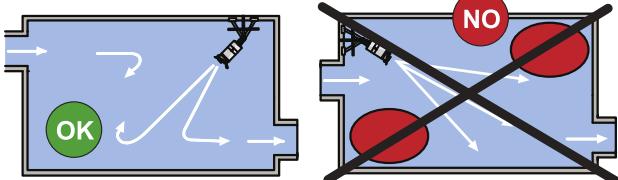
Open impeller and grinder device inlet

## Installation

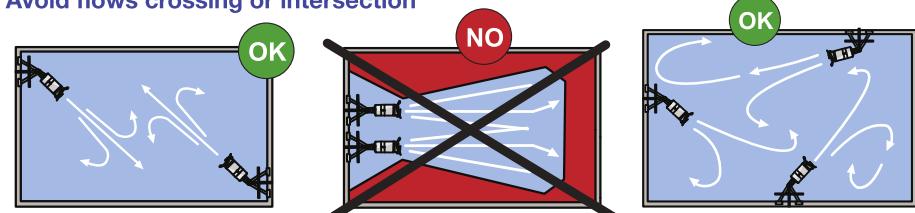
### Try to take advantage from walls ebbs



### Keep into consideration inflows and outflows



### Avoid flows crossing or intersection



## Technical data

Max. temperature of the liquid (heavy sludge fluids)	40°C
Poles	2
Insulation class	H
Protection degree	IP68
Voltage	Three phase 3~400/690 ±10%

## Materials

Pump body	Cast iron or Steel
Propeller	AISI 316 (EN 1.4401)
Shaft	AISI 420 (EN 1.4021)
Mechanical seal	SiC/SiC SiC/Silicon/FPM

# DEMINY



## Submersible electric drainage pumps for shipbuilding

Suitable for drainage applications of construction sites and small tunnels, used for the movement of moderately charged water containing abrasive materials, for irrigation systems, rainwater and groundwater.



**NEW**



Sturdy  
construction

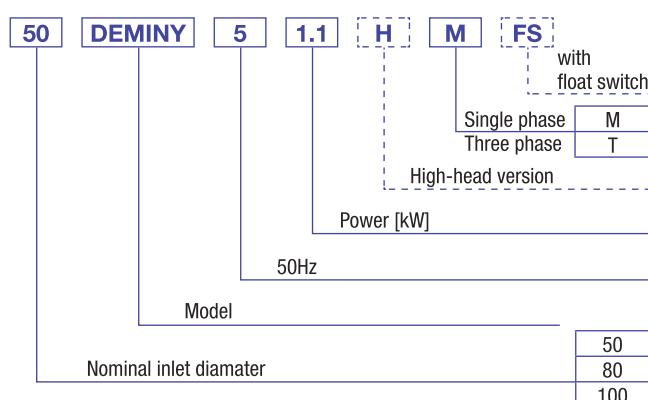


High  
versatility

## Materials

Pump body	AISI 304 (EN 1.4301)
Impeller	Special stainless steel
Shaft	AISI 316 (EN 1.4401)
Mechanical seal	Impeller side: Silicon Carbide/Ceramic Motor side: Graphite/Ceramic

## Identification code



## Technical data

Max. immersion	5 m with 10 m cable lenght
Max. temperature of the liquid (sewage water)	35°C
Max. solids passage	10 mm
Poles	2
Insulation class	F
Protection degree	IP68
Voltage	Single phase 1~230V ±10% Three phase 3~400 ±10%

The pump does not have an internal motor protector, therefore overload protection must be provided by the user.

## Accessories



### Control Panels

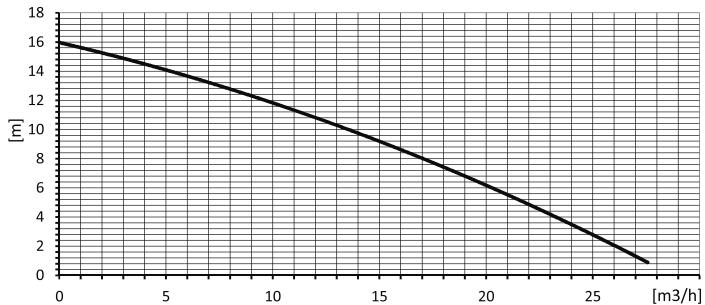
Page 424 - Control panels

# DEMINY

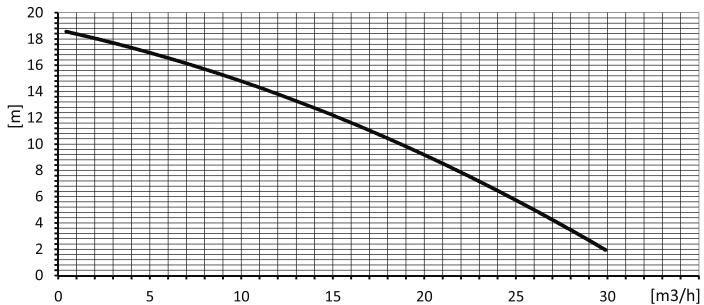
NEW CE

Submersible electric drainage pumps for shipbuilding

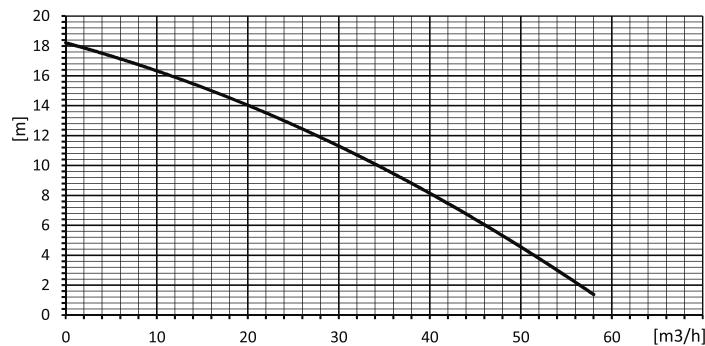
**50DEMINY 51.1**



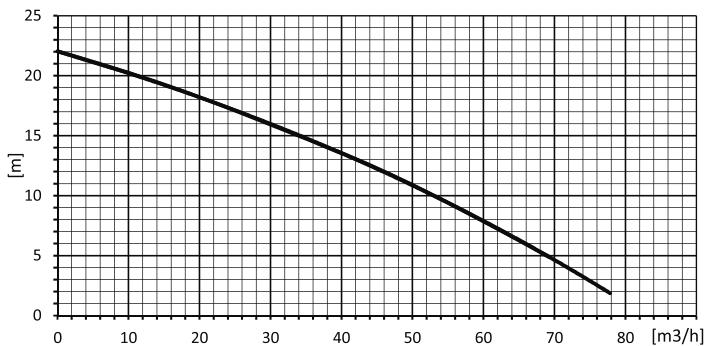
**50DEMINY 51.5**



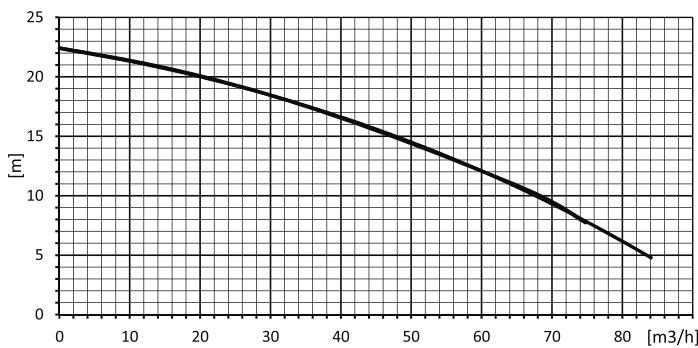
**80DEMINY 52.25**



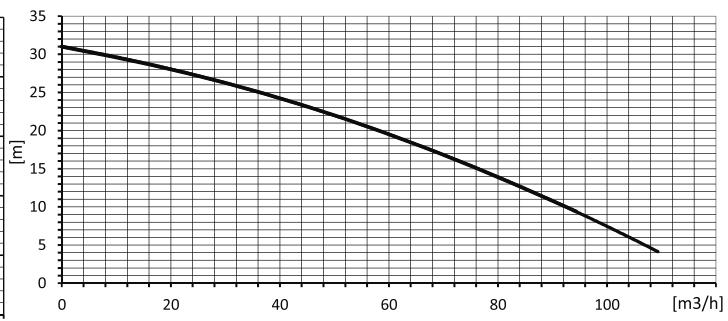
**80DEMINY 53T**



**80DEMINY 54.5T**



**100DEMINY 55.5T**

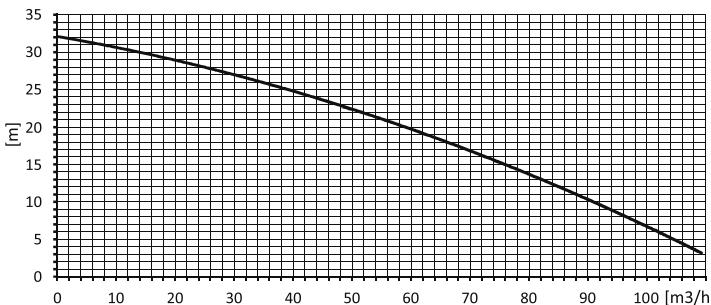


# DEMINY

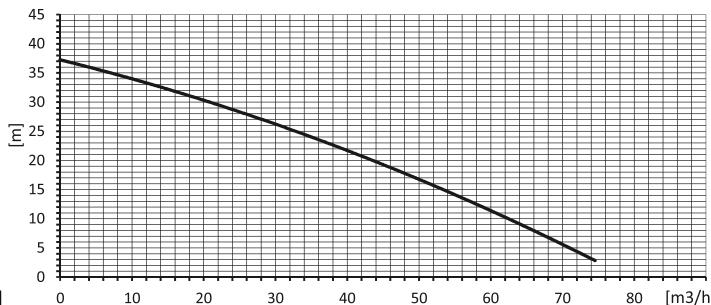



Submersible electric drainage pumps for shipbuilding

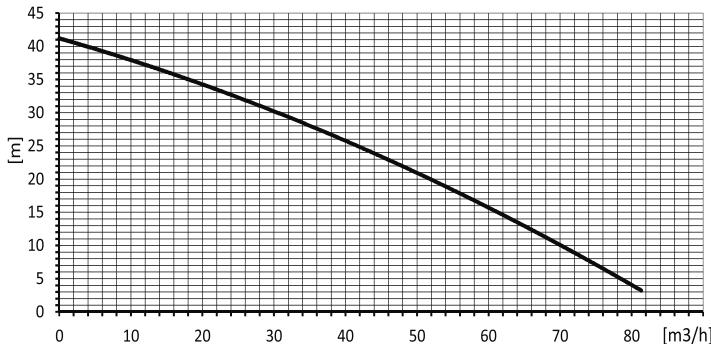
## 100DEMINY 57.5T



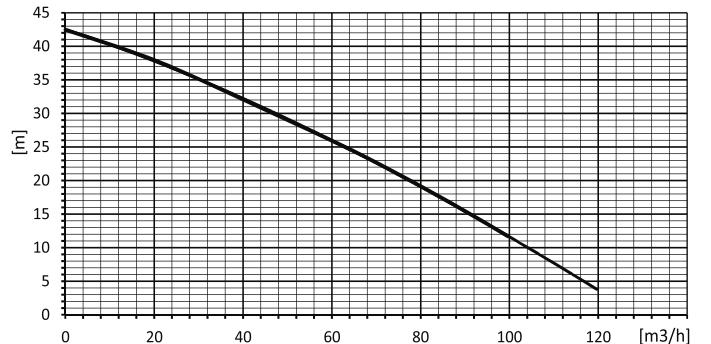
## 100DEMINY 57.5HT



## 100DEMINY 59.5T



## 100DEMINY 512.5T



### Selection table

Modello	HP	kW	Q=Flow rate												
			I/min	0	50	200	350	500	700	900	1200	1400	1600	1008	2000
			m³/h	0	3	12	21	30	42	54	72	84	96	108	120
50DEMINY 51.1M	1,5	1,1		16	14	11	7	-	-	-	-	-	-	-	-
50DEMINY 51.1T	1,5	1,1		16	14	11	7	-	-	-	-	-	-	-	-
50DEMINY 51.5M	2	1,5		18,5	17	14	9,5	2	-	-	-	-	-	-	-
50DEMINY 51.5T	2	1,5		18,5	17	14	9,5	2	-	-	-	-	-	-	-
80DEMINY 52.25M	3	2,2		18	17,5	16	14	11,5	7,5	2,5	-	-	-	-	-
80DEMINY 52.25T	3	2,2		18	17,5	16	14	11,5	7,5	2,5	-	-	-	-	-
80DEMINY 53T	4	3		21	20,5	19	18	16	13	10	4	-	-	-	-
80DEMINY 54.5T	6	4,5		23	22,5	21,5	19,5	18	15,2	11,8	9	5	-	-	-
100DEMINY 55.5T	7,5	5,5		33	30	29	27,5	26	23	21	16	13	10	7	-
100DEMINY 57.5HT	10	7,5		34	33,5	32,5	28	27	24	22,5	15,5	13	10	5,5	-
100DEMINY 57.5T	10	7,5		37	36	33,5	29	27	22,5	15	6	-	-	-	-
100DEMINY 59.5T	12,5	9,5		41	40	38	34	30	25	20	10	-	-	-	-
100DEMINY 512.5T	16	12,5		42,5	41	40	37,5	35	32,5	28	22,5	17,5	12,5	8	4

# DEMINY



Submersible electric drainage pumps for shipbuilding

## Single phase 230V

Mode	Code	HP	kW	Abs. Curr. [A] 230V	DNM	Weight [kg]
50DEMINY 51.1M	1545600000	1,5	1,1	12	50	21
50DEMINY 51.5M	1545600002	2	1,5	15	50	21,5
80DEMINY 52.25M	1545600004	3	2,2	14	80	36

## Three phase 400V

Mode	Code	HP	kW	Abs. Curr. [A] 400V	DNM	Weight [kg]
50DEMINY 51.1T	1545600001	1,5	1,1	4	50	21
50DEMINY 51.5T	1545600003	2	1,5	5	50	21,5
80DEMINY 52.25T	1545600005	3	2,2	6	80	36,5
80DEMINY 53T	1545600006	4	3	8,6	80	37,5
80DEMINY 54,5T	1545600007	6	4,5	12,5	80	40,5
100DEMINY 55,5T	1545600008	7,5	5,5	14	100	100,5
100DEMINY 57,5HT	1545600009	10	7,5	16	100	101
100DEMINY 57,5T	1545600010	10	7,5	19	100	101,5
100DEMINY 59,5T	1545600011	12,5	9,5	24	100	104,5
100DEMINY 512,5T	1545600012	16	12,5	28,5	100	105,5

# 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 (EN 1.4301) stainless steel nuts and bolts. Available in the basic version and in the equipped version "E".

**D-TANK 100 (E)**



**D-TANK 200 (E)**



**D-TANK 600 (E)**



## Materials

Tank	Polyethylene
------	--------------

## Technical data

<b>Input</b>	DN 110 with gasket
<b>Output</b>	DN 50 with gasket (D-TANK 100) DN 63 with gasket (D-TANK 200 and 600)
<b>Power supply</b>	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 454 - Kit

Plate for D-TANK 600E  
Flange D-TANK/DRS  
Adaptor for D-TANK  
Discharge kit for D-TANK 100

## Available versions



### D-TANK 100 (base version)

100 litres tank with gaskets and cable glands

### D-TANK 100E (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 (E version)

200 litres tank + pre-installed rapid coupling kit with guide pipes (discharge pipe in PVC Ø 2" x 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 (E version)

600 litres tank + pre-installed rapid coupling kit with guide pipes (discharge pipe in PVC Ø 2" x 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

## Suitable pumps



### D-TANK 100 / D-TANK 100E

Possibility to install RIGHT pumps



### D-TANK 200

Possibility to install RIGHT pump with reducer [code 362700984]

Possibility to install DW-DW VOX

Possibility to install 40DRS pump with flanges [codes 369251172-369251171]



### D-TANK 200E

Possibility to install RIGHT pump with reducer [code 362700984]

Possibility to install DW-DW VOX

Possibility to install 40DRS up to 52kg with flanges [codes 369251172-369251171]



### D-TANK 600

Possibility to install two RIGHT pumps with reducer [code 362700984]

Possibility to install two DW-DW VOX

Possibility to install two 40DRS up to 67kg with flanges [codes 369251172-369251171]

**D-TANK 600E**  
Possibility to install two RIGHT pumps with reducer [code 362700984]  
Possibility to install two DW-DW VOX  
Possibility to install two 40DRS up to 52kg with flanges [codes 369251172-369251171]  
Possibility to install two 40DRS from 52kg up to 67kg with flanges [codes 369251172-369251171] and additional plate [code 365800711]

# BEST BOX



## Lift stations

Lift 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

## Materials

Tank	High density polyethylene
------	---------------------------

## 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

## Technical data

**Tank capacity:** 30 l

## Pump (selected models)

**Cable** 5 m + standardized 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 1~230V ± 10%

## Accessories



### Floats

Page 443 - Key floats with counterweight

# BEST BOX

CE

## Lift stations

### Without pump

Model	Code	Weight [kg]	Dimensions [mm]
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	0	20	40	80	120	160	170			
				m³/h	0	1,2	2,4	4,8	7,2	9,6	10,2			
BEST BOX L	1540050001	0,33	0,25		9,0	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		9,0	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		6,5	6,0	5,6	4,8	3,5	2,0	1,5	2,2	15,0	375x510x470

# LPS



## In-line centrifugal pumps in AISI 304 stainless steel

In-line centrifugal pumps with AISI 304 (EN 1.4301) 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

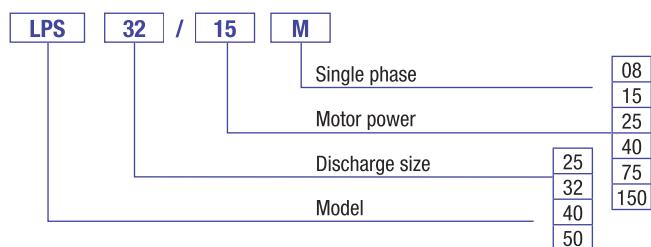


Low noise

## Materials

Pump body	AISI 304 (EN 1.4301)
Impeller	AISI 304 (EN 1.4301)
Shaft	AISI 303 (EN 1.4305) (part in contact with the liquid)
Mechanical seal	Ceramic/Carbon/NBRH
Motor support	Aluminium

## Identification code



## Technical data

<b>Max. pressure</b>	2 bar for single phase models and three phase LPS 25 4 bar for three phase LPS 32-40-50
<b>Liquid temperature (clear water)</b>	-10°C ÷ +100°C
<b>Poles</b>	2
<b>MEI</b>	> 0,4
<b>Insulation class</b>	F
<b>Protection degree</b>	IP55
<b>Voltage</b>	Single phase 1~230V ±10% Three phase 3~230/400V ±10%

Permanent split capacitor built in overload motor protector with automatic reset. The three phase version does not have an internal motor protector, therefore overload protection must be provided by the user.

## Accessories



**Counterflanges kit**  
Page 456 - **Galvanized and AISI 304 counterflanges kit**



## 1GP Domestic

Booster units with single phase electric pumps



## 2GP Domestic

Booster units with two three phase pumps suitable for connection to surge tanks



## 3GP Domestic

Booster units with three three phase pumps suitable for connection to surge tanks



## 2GPE with VSD

Booster units with two single phase pumps with inverter control unit



## 2GPE with VSD

Booster units with two three phase pumps with inverter control unit



## 3GPE with VSD

Booster units with three three phase pumps with inverter control unit

CUSTOM BOOSTER BUILD UP ON REQUEST