

50 Hz

CATALOGUE ELECTRIC PUMPS AND BOOSTER SETS



A LEADER IN WATER TECHNOLOGY

The Pentair Water Group is one of the world's leading companies for the engineering and manufacture of innovative products and systems suitable for all situations requiring the treatment, transportation and storage of water. The activity and success of the Group is based on values such as constant improvement, the continuous development of new products, high performance, competence, business ethics and market leadership. Pentair employees share personal values such as accountability, respect for others and the environment and a candid and practical work style. Strong customer relations and high quality standards mean that Pentair Water is ranked amongst the leading producers of water treatment technology and instruments.

SAFE, CLEAN WATER

Providing clean, safe water to an ever-growing portion of the population is the Pentair Water Mission: a proven organization works to efficiently serve our customers through production plants located in every corner of the world, and through specialized sales and marketing networks.



ELECTRIC PUMPS

Vertical and horizontal centrifugal pumps; submersible pumps for domestic, commercial, agricultural and industrial use; pumps for the drainage of clear and waste water; pressure booster units and fire-fighting systems, pumps for heating and air conditioning systems.



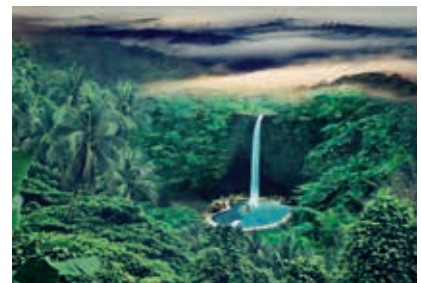
WATER TREATMENT

Residential, commercial and industrial water conditioning control valves; fibreglass wound expansion tanks and vessels; water storage tanks.



FILTRATION

Industrial, residential and commercial filtration systems; filter cartridges, components for the filtration of household water, pumps for mobile homes and boats, and pumps and accessories for industrial and food industry applications.



POOL & SPA

A complete range of pool/spa equipment and accessories: filters, pumps, heating and lighting systems and cleaning accessories; dosing and control systems, and products and accessories for fountains and ponds.

WATER ENERGY

WE PUT ENERGY

INTO YOUR WATER

The Sta-Rite brand exists since 1934 and is sold in over 100 countries worldwide. In Europe, Pentair already produces a wide range of Sta-Rite swimming pool pumps and cleaners for its pool division, which have gained a reputation for quality and durability. The new European Sta-Rite line for residential water supply and water disposal will be manufactured in Italy/Pisa.



FIRE-FIGHTING AND PRESSURIZATION SYSTEMS

Vertical and horizontal centrifugal pumps. Complete systems for the transfer and pressurization of water. Fire-fighting systems.



ELECTRIC PUMPS FOR RESIDENTIAL USE

Submersible pumps, self-priming pumps, multistage centrifugal pumps and compact pumping systems for domestic water supply, irrigation and the re-utilization of harvested rainwater.



ELECTRIC DRAINAGE PUMPS

Pumps for the transfer of clear, dirty, waste water and sewage. Pumps for numerous applications (water in basins, tanks, pumping stations etc.)



ELECTRIC PUMPS FOR OPEN AND DRILLED WELLS

Submersible pumps for irrigation and pumping underground waters.

THE PISA PLANT BECOMES 100% GREEN.



Thanks to the development of a sophisticated photovoltaic system on the rooftop of the building, the Pentair Water plant in Pisa has become the first plant to produce **100% of the energy needed for its production activities.**

4100 solar panels that generate up to **1,280,000 kWh** each year have been installed on a surface area of 11,000 m².

One of the greatest advantages includes a reduction of CO₂ emissions equal to **678 ton/year**. Our customers can rest assured

that products developed in the Pentair Water plant in Pisa are completely made using renewable energy.

The remarkable results achieved by the installation of the solar panels can be seen in real time on the various screens located throughout the plant.

All activities performed at the plant in Pisa are continuously improved, aiming towards maximum energy savings and minimum environmental impact.

In light of the initiatives undertaken and future plans, we can certainly say that Pentair Water is a leader in the management of its business, characterized by:

- Maximum environmental friendliness
- Maximum energy savings
- Improved safety conditions for workers
- Maximum respect for health

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SECTION 1

FREQUENCY CONVERTER



MULTI EVO-E
FREQUENCY CONVERTER - SINGLE
PHASE

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MULTI EVO-E P
FREQUENCY CONVERTER - SINGLE
PHASE

PAG. 13



CPS10/JET
FREQUENCY CONVERTER - SINGLE
PHASE

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CPS10/DHR
FREQUENCY CONVERTER - SINGLE
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CPS10/DHI
FREQUENCY CONVERTER - SINGLE
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CPS10/MULTINOX-VE+
FREQUENCY CONVERTER - SINGLE
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CPS10/PVM
FREQUENCY CONVERTER - SINGLE
PHASE

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CPS3-10/MULTINOX-VE+
FREQUENCY CONVERTER - THREE
PHASE

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CPS3-10/PVM
FREQUENCY CONVERTER - THREE
PHASE

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MULTI EVO-E

FREQUENCY CONVERTER - SINGLE PHASE

- High reliability - thanks to the durable and innovative design
- Silent operation - improved user comfort thanks to its silent operation
- Compact dimensions
- Many possible uses for the residential market
- Excellent priming capacity



DESCRIPTION

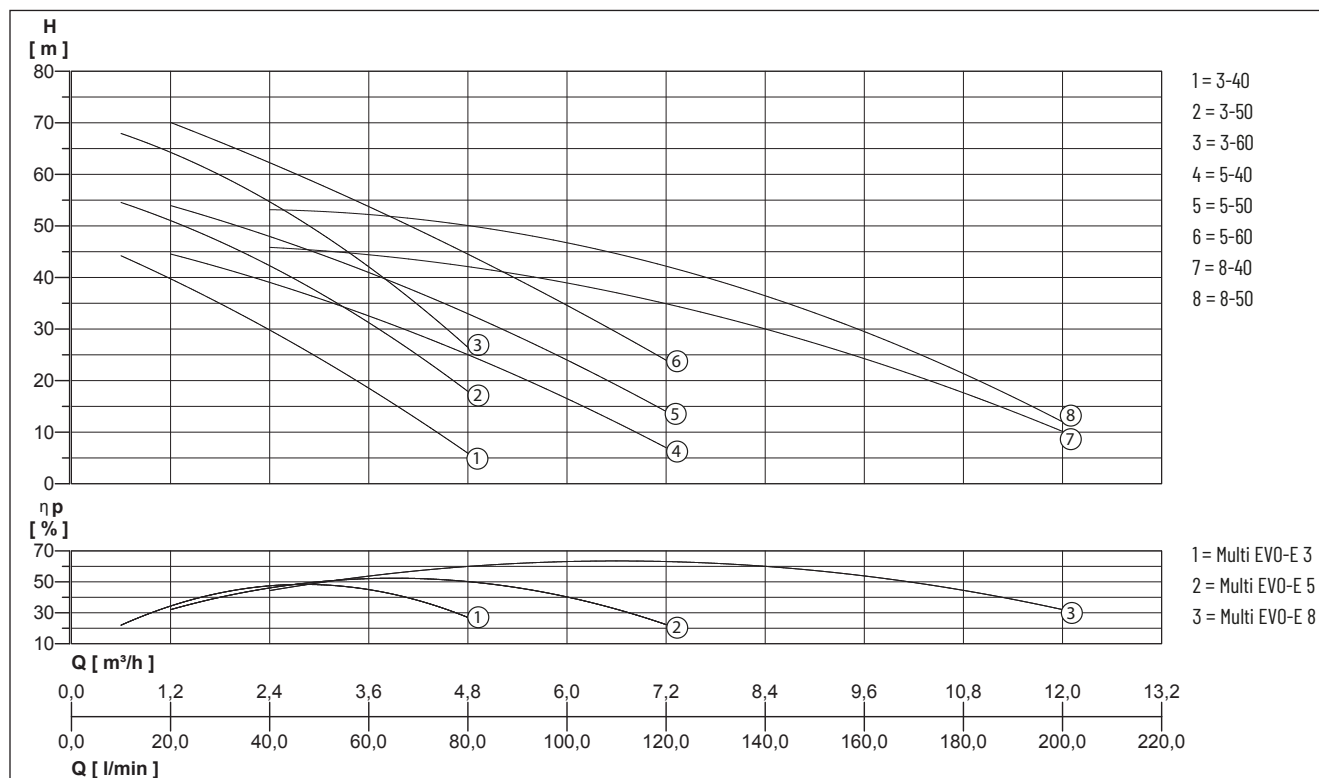
The system consists of a multi-stage centrifugal horizontal pump Multi EVO-E and an electronic control system (inverter) which allows to keep the pressure constant in the system, reducing or increasing the speed of rotation of the pump.

All models are certified for use with drinking water (ACS)

APPLICATIONS

- Pressurization and supply
- Irrigation
- Use of rainwater
- Washing systems

PERFORMANCE



We reserve the right to change specifications without notice. Pump performance is subject to ISO 9906 ISO 9906:2012 - Grade 3B tolerances.

MULTI EVO-E

FREQUENCY CONVERTER - SINGLE PHASE

Type	Flow rate Q [m³/h]	0.6	1.2	1.8	2.4	3	3.6	4.8	6	7.2	8.4	9.6	10.8	12
MULTI EVO-E 3-40	Delivery head H [m]	44.0	40.0	35.0	30.0	24.0	18.5	6.0						
MULTI EVO-E 3-50		54.5	51.0	47.0	42.5	37.0	31.0	18.0						
MULTI EVO-E 3-60		68.0	64.0	60.0	55.0	48.5	42.0	26.5						
MULTI EVO-E 5-40			44.5	42.0	39.0	36.0	32.5	25.0	16.5	7.0				
MULTI EVO-E 5-50			54.0	51.0	48.0	44.5	41.0	33.0	24.0	14.0				
MULTI EVO-E 5-60			70.0	66.5	62.0	58.0	54.0	44.5	34.5	24.0				
MULTI EVO-E 8-40					46.0	45.0	44.5	42.0	39.0	35.0	30.0	24.0	18.0	10.0
MULTI EVO-E 8-50					54.0	53.0	52.0	49.0	46.0	42.0	36.5	30.5	23.5	16.5

MECHANICAL DATA

Shaft	Stainless steel Europe: EN10088-1 X5CrNi18-10 (1.4301) USA: AISI 304	Mechanical seal Contourface Operating pressure max. Type of liquid	Carbon graphite / NBR / SS Ceramic / NBR 8 bar clean water without suspended solids or abrasive material
Impeller	PP0 reinforced with fibreglass		
Motor housing	Die-cast aluminium	Temperature of the liquid max.	50 °C
Pump housing	Stainless steel Europe: EN10088-1 X 5 CrNi 1810 (1.4301) USA: AISI 304	Suction height max.	6 m
Diffuser	PP0 reinforced with fibreglass	Gasket	NBR 70 Shore A

ELECTRICAL DATA

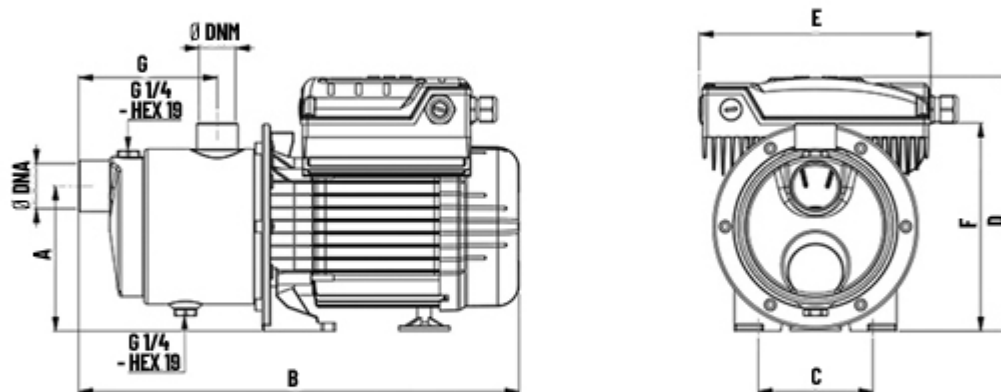
Voltage	1/N/PE~230 V	Ambient temperature max.	40 °C
Type of enclosure	IP 55	Rotation speed	2850 rpm
Insulation class	F		

MULTI EVO-E

Type	Code No.	Motor rating P1	P2	Current	Weight
MULTI EVO-E 3-40	N42E2140	0.80 kW	0.55 kW	5.3 A	10.0 kg
MULTI EVO-E 3-50	N42E2151	1.00 kW	0.75 kW	7.0 A	12.1 kg
MULTI EVO-E 3-60	N42E2162	1.35 kW	0.95 kW	8.7 A	13.4 kg
MULTI EVO-E 5-40	N42E4140	1.00 kW	0.75 kW	7.0 A	12.2 kg
MULTI EVO-E 5-50	N42E4151	1.25 kW	0.90 kW	8.5 A	13.0 kg
MULTI EVO-E 5-60	N42E4162	1.80 kW	1.30 kW	11.5 A	14.5 kg
MULTI EVO-E 8-40	N42E7140	1.70 kW	1.20 kW	11.0 A	15.0 kg
MULTI EVO-E 8-50	N42E7151	2.00 kW	1.40 kW	13.0 A	16.7 kg

MULTI EVO-E

FREQUENCY CONVERTER - SINGLE PHASE



DIMENSIONS [mm]

Type	A	B	C	D	F	G	DNA	DNM	E
MULTI EVO-E 3-40	129	360	100	211	180	116	1"	1"	198
MULTI EVO-E 3-50	129	377	100	220	180	116	1"	1"	198
MULTI EVO-E 3-60	129	377	100	220	180	116	1"	1"	198
MULTI EVO-E 5-40	125	380	100	220	180	119	1 1/4"	1"	198
MULTI EVO-E 5-50	125	380	100	220	180	119	1 1/4"	1"	198
MULTI EVO-E 5-60	125	413	100	230	180	119	1 1/4"	1"	198
MULTI EVO-E 8-40	125	430	100	230	187	137	1 1/4"	1 1/4"	198
MULTI EVO-E 8-50	125	430	100	230	187	137	1 1/4"	1 1/4"	198

MULTI EVO-E

FREQUENCY CONVERTER - SINGLE PHASE

MULTI EVO-E P

FREQUENCY CONVERTER - SINGLE PHASE

- High-level reliability - thanks to the resistant and innovative design
- Quiet operation - improved user comfort thanks to its quiet operation
- Compact dimensions
- Wide range of performance levels for the residential market
- Excellent priming capacity



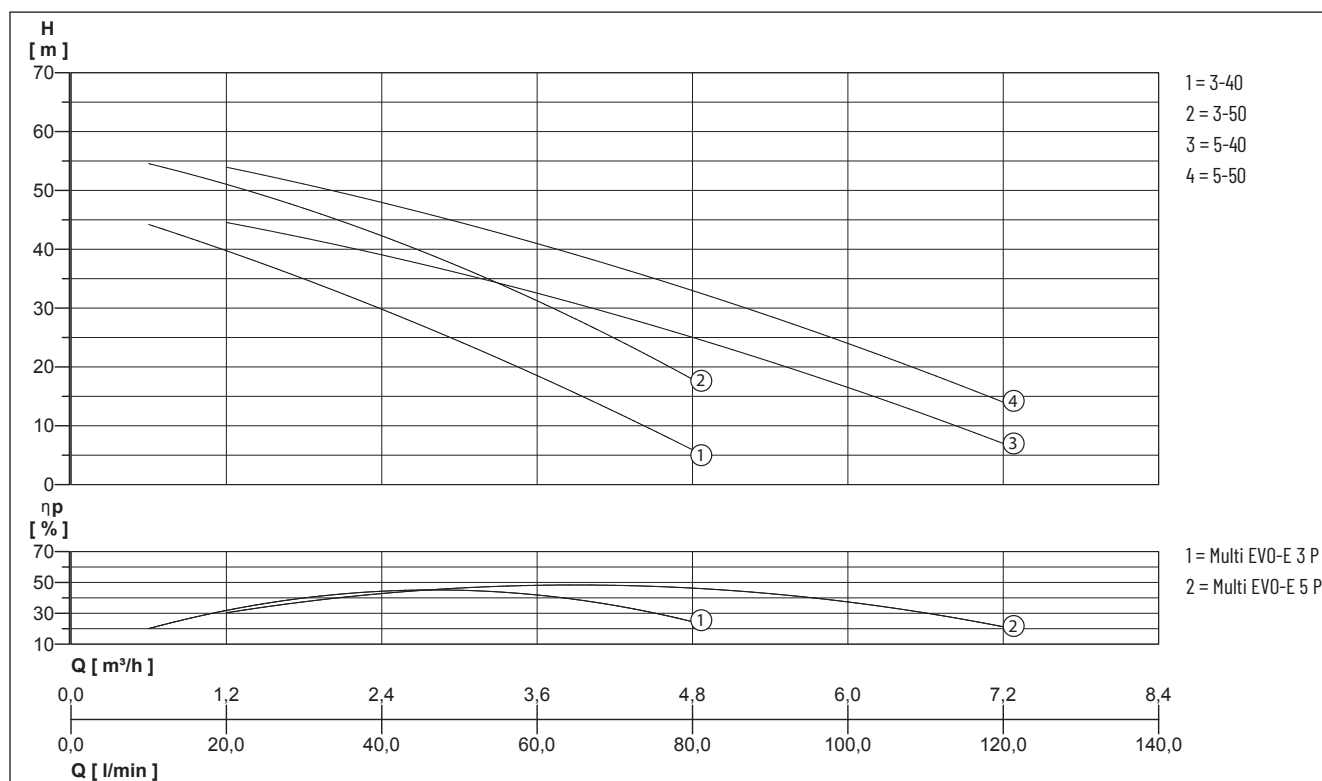
DESCRIPTION

The system is composed of a Multi EVO horizontal multistage electric centrifugal pump with plastic casing and a CPS electronic control system (inverter), which allows the pressure to be maintained constant in the system, reducing or increasing the electric pump motor rotation speed.

APPLICATIONS

- Pressurization and supply
- Irrigation
- Rainwater recovery systems
- Washing systems

PERFORMANCE



We reserve the right to change specifications without notice. Pump performance is subject to ISO 9906 ISO 9906:2012 - Grade 3B tolerances.

Type	Flow rate Q [m³/h]	0.6	1.2	1.8	2.4	3	3.6	4.8	6	7.2
Multi EVO-E 3-40 P	Delivery head H [m]	44.0	40.0	35.0	30.0	24.0	18.5	6.0		
Multi EVO-E 3-50 P		54.5	51.0	47.0	42.5	37.0	31.0	18.0		
Multi EVO-E 5-40 P			44.5	42.0	39.0	36.0	32.5	25.0	16.5	7.0
Multi EVO-E 5-50 P			54.0	51.0	48.0	44.5	41.0	33.0	24.0	14.0

MULTI EVO-E P

FREQUENCY CONVERTER - SINGLE PHASE

MECHANICAL DATA

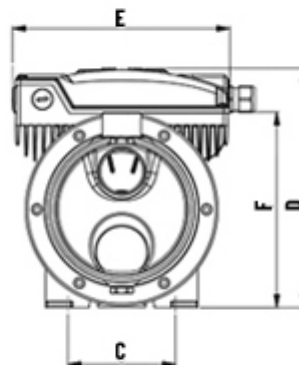
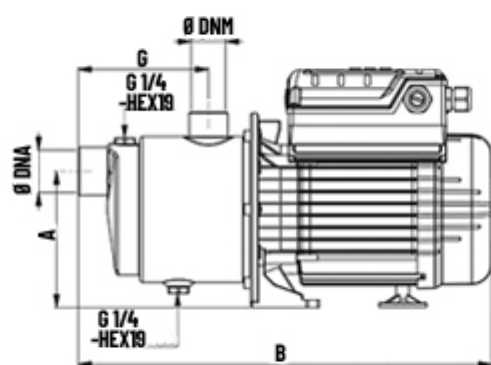
Shaft	Stainless steel Europe: EN10088-1 X5CrNi18-10 (1.4301) USA: AISI 304	Contourface Operating pressure max. Type of liquid	Ceramic / NBR 7 bar clean water without suspended solids or abrasive material
Impeller	PPO reinforced with fibreglass	Temperature of the liquid max.	50 °C
Motor housing	Die-cast aluminium	Suction height max.	6 m
Pump housing	PPO reinforced with fibreglass	Gasket	NBR 70 Shore A
Diffuser	PPO reinforced with fibreglass		
Mechanical seal	Carbon graphite / NBR / SS		

ELECTRICAL DATA

Voltage	1/N/PE~230 V	Ambient temperature max.	40 °C
Type of enclosure	IP 55	Rotation speed	2850 rpm
Insulation class	F		

MULTI EVO-E P

Type	Code No.	Motor rating		Current	Weight
		P1	P2		
Multi EVO-E 3-40 P	N43E2140	0.80 kW	0.55 kW	5.3 A	9.8 kg
Multi EVO-E 3-50 P	N43E2151	1.00 kW	0.70 kW	7.0 A	11.8 kg
Multi EVO-E 5-40 P	N43E4140	1.00 kW	0.70 kW	7.0 A	11.9 kg
Multi EVO-E 5-50 P	N43E4151	1.25 kW	0.90 kW	8.5 A	12.7 kg



DIMENSIONS [mm]

Type	A	B	C	D	F	G	DNA	DNM	E
Multi EVO-E 3-40 P	123	373	99	211	182	137	1"	1"	198
Multi EVO-E 3-50 P	123	392	99	220	182	137	1"	1"	198
Multi EVO-E 5-40 P	123	392	99	220	182	137	1"	1"	198
Multi EVO-E 5-50 P	123	392	99	220	182	137	1"	1"	198

CPS10/JET

FREQUENCY CONVERTER - SINGLE PHASE

- High reliability - thanks to the durable and innovative design
- Quiet operation - improved user comfort thanks to its quiet operation
- Compact dimensions
- Many possible uses for the residential market
- Excellent priming capacity



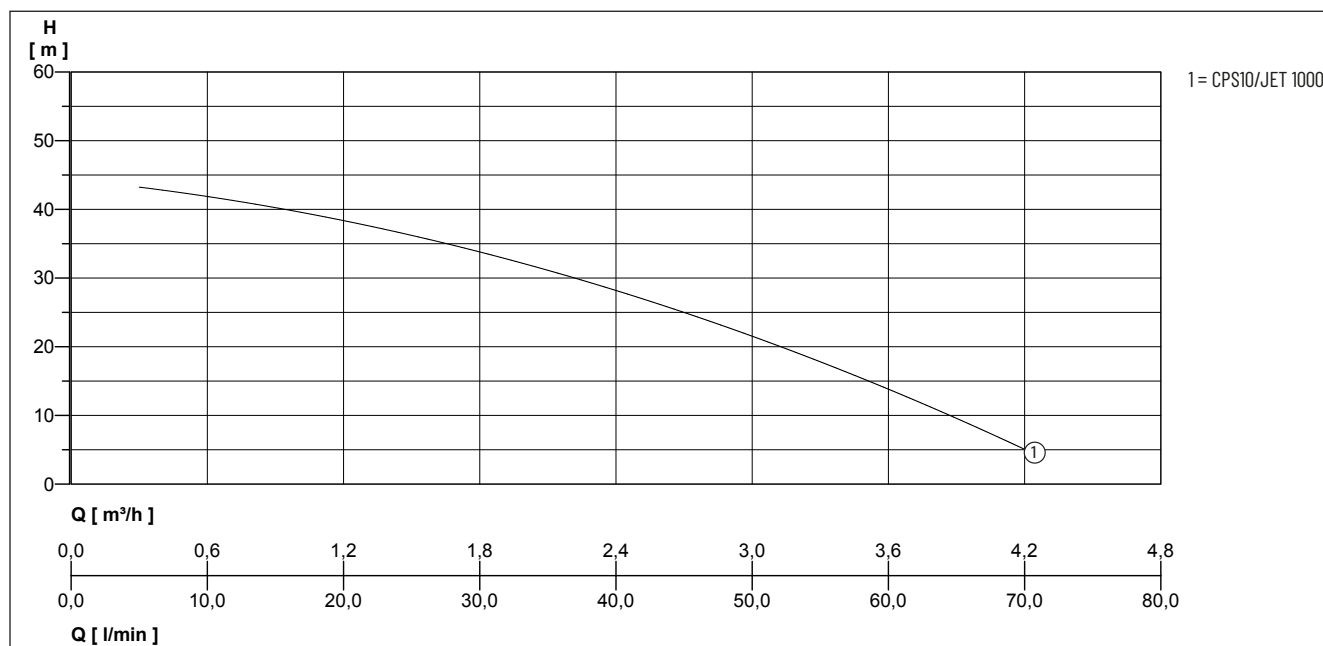
DESCRIPTION

The system consists of a self-priming centrifugal horizontal pump CPS10/JET and an electronic control system (inverter) which allows to keep the pressure constant in the system, reducing or increasing the speed of rotation of the pump.

APPLICATIONS

- Pressurization and supply
- Irrigation
- Use of rainwater
- Washing systems

PERFORMANCE



We reserve the right to change specifications without notice. Pump performance is subject to ISO 9906 ISO 9906:2012 - Grade 3B tolerances.

Type	Flow rate Q [m³/h]	0	0.3	1.2	1.8	2.4	3	3.6	4.2
CPS10/JET 1000	Delivery head H [m]	49	45	36	32	28	25	15	3

CPS10/JET

FREQUENCY CONVERTER - SINGLE PHASE

MECHANICAL DATA

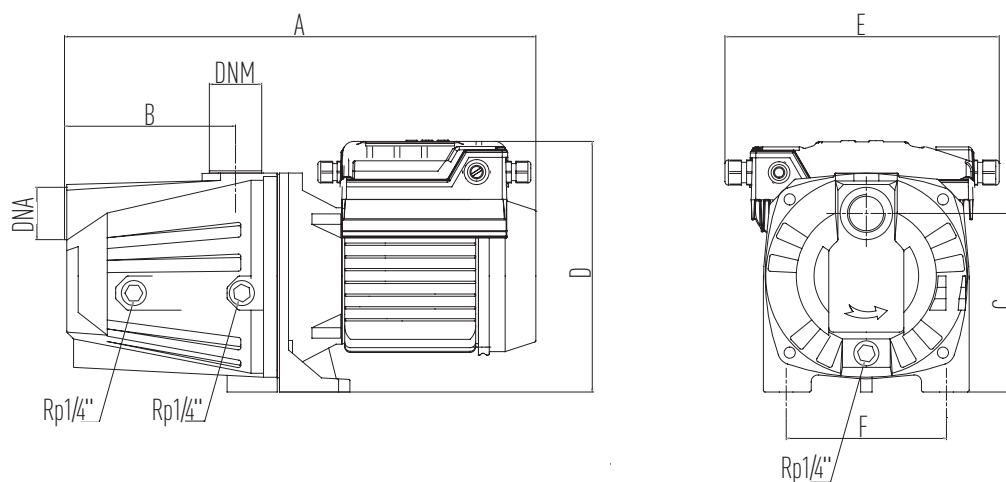
Shaft	Stainless steel X 12 CrNiS 1809 (AISI 416)	Operating pressure max.	6 bar
Impeller	Technopolymer	Type of liquid	clean water without suspended solids or abrasive material
Motor housing	Cast iron EN GJL 200	Temperature of the liquid max.	50 °C
Pump housing	Cast iron EN GJL 200	Gasket	NBR 70 Shore A
Mechanical seal	Graphite	Weight	20.8 kg
Contourface	Ceramic		

ELECTRICAL DATA

Voltage	1/N/PE~230 V	Insulation class	F
Motor rating P2	1 kW	Ambient temperature max.	40 °C
Current	6.5 A	Rotation speed	2850 rpm
Type of enclosure	IP55 (if installed on motors with a degree of protection IP55 or above)		

CPS10/JET

Type	Code No.
CPS10/JET 1000	N4700190



DIMENSIONS [mm]

Type	A	B	C	D	DNA	DNM	E
CPS10/JET 1000	400	147	160	260	1"	1"	195

CPS10/DHR

FREQUENCY CONVERTER - SINGLE PHASE

- High reliability - thanks to the durable and innovative design
- Quiet operation - improved user comfort thanks to its quiet operation
- Compact dimensions
- Many possible uses for the residential market



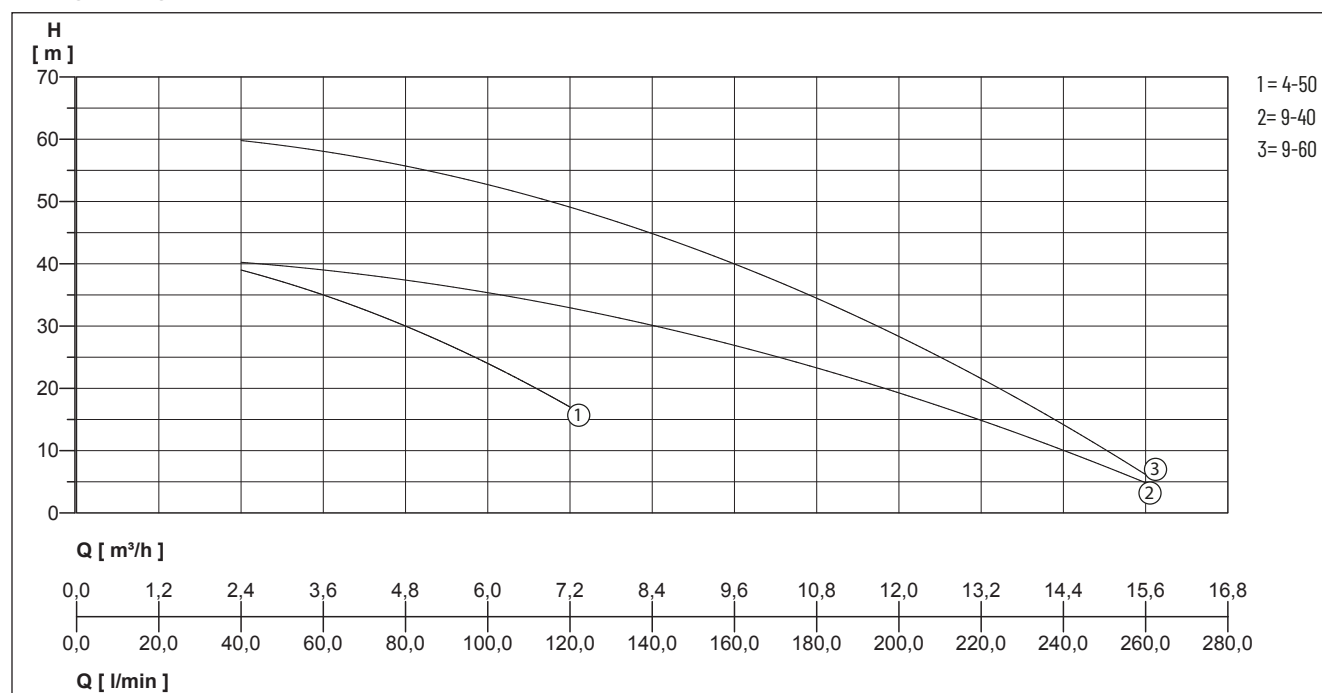
DESCRIPTION

The system consists of a multi-stage centrifugal horizontal pumps CPS10/DHR and an electronic control system (inverter) which allows to keep the pressure constant in the system, reducing or increasing the speed of rotation of the pump.

APPLICATIONS

- Pressurization and supply
- Irrigation
- Use of rainwater
- Washing systems

PERFORMANCE



We reserve the right to change specifications without notice. Pump performance is subject to ISO 9906 ISO 9906:2012 - Grade 3B tolerances.

Type	Flow rate Q [m³/h]	0	2.4	3.6	4.8	6	7.2	9.6	12	14.4	15.6
CPS10/DHR 4-50	Delivery head H [m]	44.0	39.0	35.0	30.0	24.0	17.0				
CPS10/DHR 9-40		41.5	40.0	39.0	38.0	35.0	33.0	27.0	19.0	10.0	5.0
CPS10/DHR 9-60		62.0	60.0	58.0	56.0	52.0	49.0	40.0	29.0	14.0	6.0

CPS10/DHR

FREQUENCY CONVERTER - SINGLE PHASE

MECHANICAL DATA

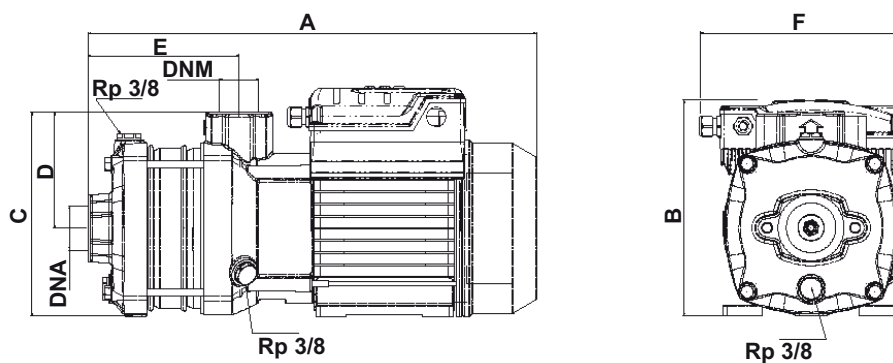
Shaft	Stainless steel X5 CrNi 1810 (AISI 304)	Mechanical seal	Ceramic / Graphite / NBR
Impeller	Stainless steel X5CrNi18-10 (AISI 304)	Operating pressure max.	10 bar 6 bar
Motor housing	Cast aluminium	Type of liquid	clean water without suspended solids or abrasive material
Diffuser	Stainless steel X5CrNi18-10 (AISI 304)	Temperature of the liquid max.	90 °C
		Gasket	NBR

ELECTRICAL DATA

Voltage	1/N/PE~230 V	Insulation class	F
Type of enclosure	IP55 (if installed on motors with a degree of protection IP55 or above)	Ambient temperature max.	40 °C
		Rotation speed	2850 rpm

CPS10/DHR

Type	Code No.	Motor rating P2	Current	Weight
CPS10/DHR 4-50	N4700070	0.9 kW	9.1 A	18.0 kg
CPS10/DHR 9-40	N4700030	1.3 kW	12.5 A	21.1 kg
CPS10/DHR 9-60	N4700210	1.8 kW	15.8 A	26.0 kg



DIMENSIONS [mm]

Type	A	B	C	D	F	DNA	DNM	E
CPS10/DHR 4-50	445	225	155	65	232	1 1/4"	1"	190
CPS10/DHR 9-40	408	215	185	105	232	1 1/4"	1 1/4"	137
CPS10/DHR 9-60	468	215	185	105	232	1 1/2"	1 1/4"	198

CPS10/DHI

FREQUENCY CONVERTER - SINGLE PHASE

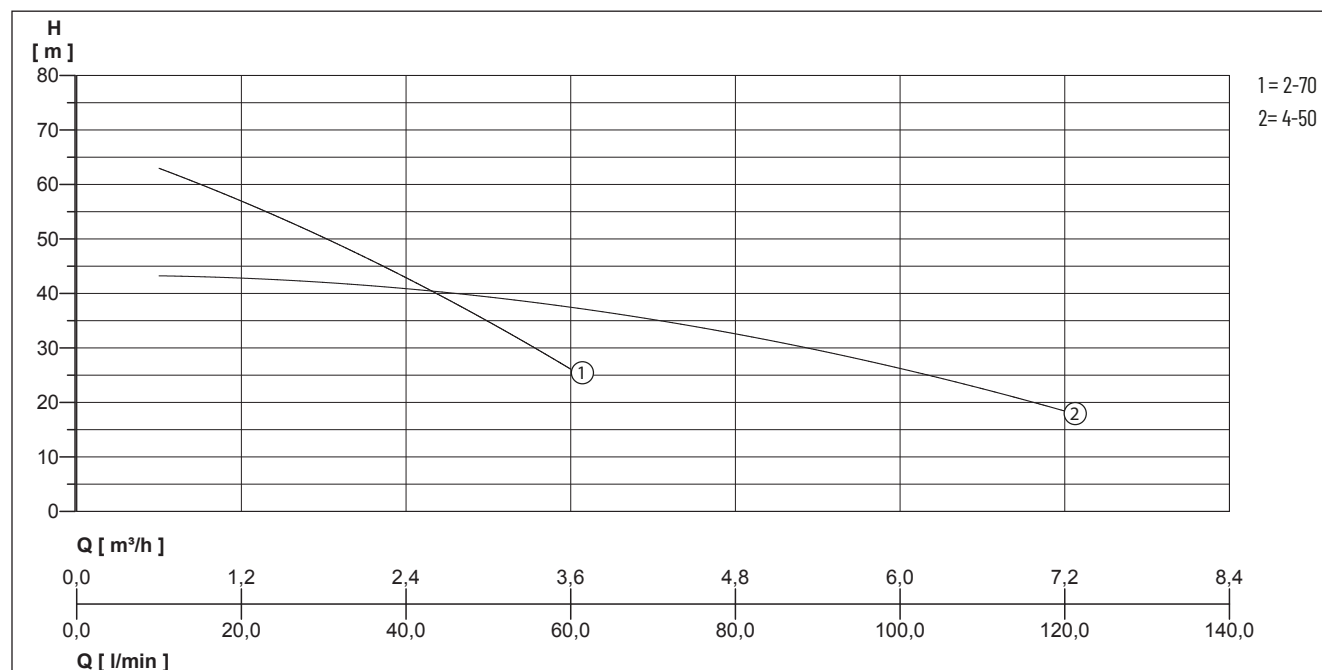
- High reliability - thanks to the durable and innovative design
- Quiet operation - improved user comfort thanks to its quiet operation
- Compact dimensions
- Many possible uses for the residential market



DESCRIPTION

The system consists of a multi-stage centrifugal horizontal pumps CPS10/DHI and an electronic control system (inverter) which allows to keep the pressure constant in the system, reducing or increasing the speed of rotation of the pump.

PERFORMANCE



We reserve the right to change specifications without notice. Pump performance is subject to ISO 9906 ISO 9906:2012 - Grade 3B tolerances.

Type	Flow rate Q [m³/h]	0	0.6	1.2	1.8	2.4	3	3.6	4.8	6	7.2
CPS10/DHI 2-70	Delivery head H [m]	68	63	57	50	43	35	26			
CPS10/DHI 4-50		43				42	39	36	33	27	18

CPS10/DHI

FREQUENCY CONVERTER - SINGLE PHASE

MECHANICAL DATA

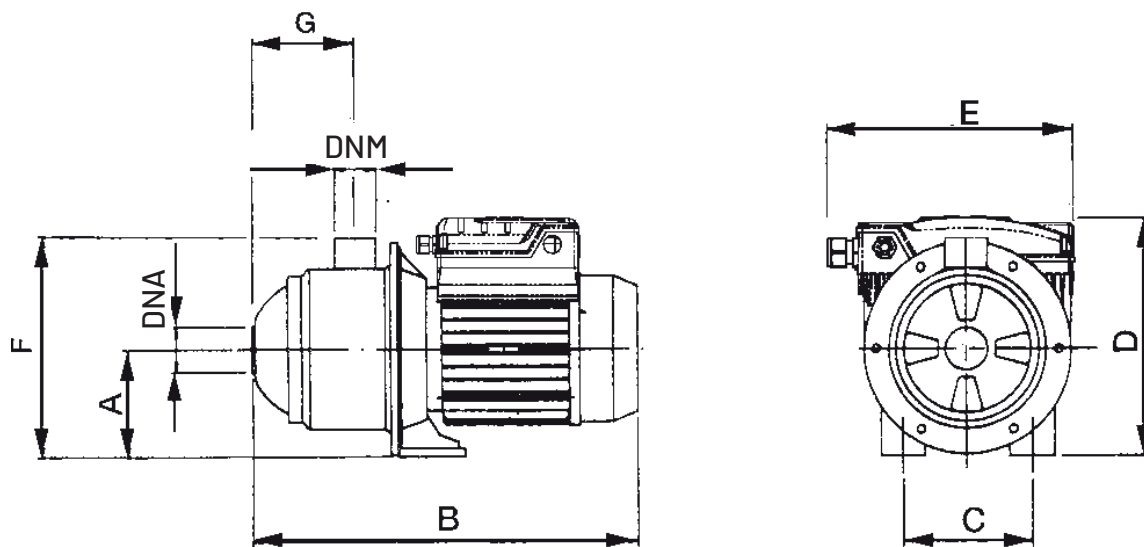
Shaft	Stainless steel Europe: EN10088-1 X2CrNiMo17-12-2 (1.4404) USA: AISI 316	Diffuser	Stainless steel X CrNiMo 17-12-03 (AISI 316)
Impeller	Stainless steel X CrNiMo 17-12-03 (AISI 316)	Mechanical seal	Graphite
Motor housing	Cast iron EN GJL 200	Contourface	Ceramic
Pump housing	Stainless steel X CrNiMo 17-12-03 (AISI 316)	Type of liquid	clean water without suspended solids or abrasive material

ELECTRICAL DATA

Voltage	1/N/PE~230 V	Insulation class	F
Type of enclosure	IP55 (if installed on motors with a degree of protection IP55 or above)	Ambient temperature max.	40 °C
		Rotation speed	2850 rpm

CPS10/DHI

Type	Code No.	Motor rating P2	Current	Weight
CPS10/DHI 2-70	N4700270	0.90 kW	10.6 A	17.4 kg
CPS10/DHI 4-50	N4700260	0.87 kW	10.5 A	17.6 kg



DIMENSIONS [mm]

Type	A	B	C	D	F	G	DNA	DNM	E
CPS10/DHI 2-70	105	460	141	245	235	135	1 1/4"	1 1/4"	232
CPS10/DHI 4-50	105	460	141	245	235	135	1 1/4"	1 1/4"	232

PENTAIR STA-RITE **CPS10/MULTINOX-VE+** FREQUENCY CONVERTER - SINGLE PHASE

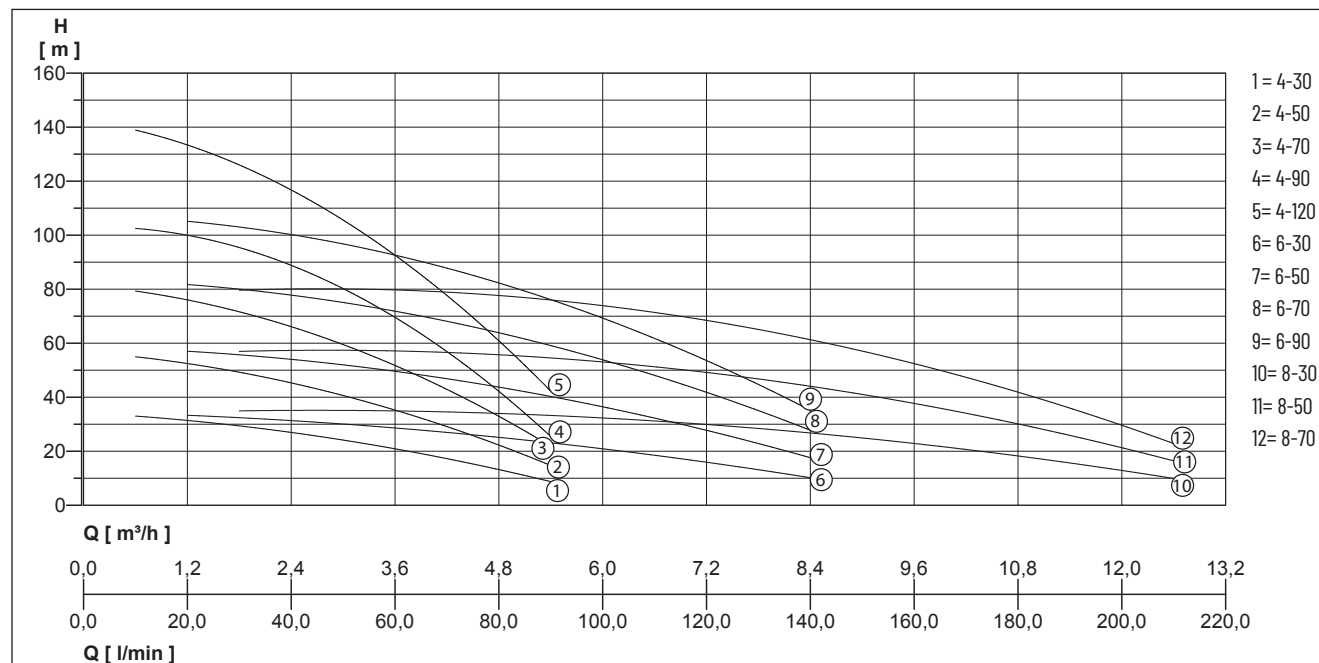
- High reliability - thanks to the durable and innovative design
- Quiet operation - improved user comfort thanks to its quiet operation
- Many possible uses for the residential market
- High performances



DESCRIPTION

The system consists of a multi-stage centrifugal vertical pumps CPS10/MULTINOX-VE+ and an electronic control system (inverter) which allows to keep the pressure constant in the system, reducing or increasing the speed of rotation of the pump.

PERFORMANCE



We reserve the right to change specifications without notice. Pump performance is subject to ISO 9906 ISO 9906:2012 - Grade 3B tolerances. $MEI \geq 0.4$ - Reference $MEI \geq 0.70$ - The information on the reference efficiency is available at the address: www.europump.org/efficiencycharts For the efficiency data see the PUMPS of the series MULTINOX-VE+

CPS10/MULTINOX-VE+

FREQUENCY CONVERTER - SINGLE PHASE

Type	Flow rate Q [m³/h]	0.6	1.2	2	2.4	3	3.6	4.2	5	5.4	6	7.2	8.4	9	11	13
CPS10 MULTINOX VE+ 4-30	Delivery head H [m]	33	31	30	27	24	21	17	13	9						
CPS10 MULTINOX VE+ 4-50		55	52	50	45	41	35	29	22	15						
CPS10 MULTINOX VE+ 4-70		79	76	72	67	59	51	43	33	22						
CPS10 MULTINOX VE+ 4-90		104	99	95	88	79	69	59	46	32						
CPS10 MULTINOX VE+ 4-120		138	134	127	117	105	92	78	60	43						
CPS10 MULTINOX VE+ 6-30			34	32	31	30	28	27	26	23	21	16	10			
CPS10 MULTINOX VE+ 6-50			58	56	53	51	49	47	44	41	37	28	17			
CPS10 MULTINOX VE+ 6-70			83	80	77	74	71	68	64	60	55	42	27			
CPS10 MULTINOX VE+ 6-90			107	103	99	95	92	87	83	77	71	54	34			
CPS10 MULTINOX VE+ 8-30				35	35	35	35	35	34	33	32	30	27	25	18	10
CPS10 MULTINOX VE+ 8-50				57	57	56	56	56	54	53	52	50	45	40	28	16
CPS10 MULTINOX VE+ 8-70				80	80	79	78	78	76	74	72	70	63	56	40	22

MECHANICAL DATA

Dry run protection	Yes	Diffuser	Technopolymer
Shaft	Stainless steel X5 CrNi 1810 (AISI 304)	Type of liquid	clean water without suspended solids or abrasive material
Impeller	Technopolymer	Temperature of the liquid max.	50 °C
Pump housing	Stainless steel X5 CrNi 1810 (AISI 304)	Suction height max.	6 m
		Gasket	NBR

ELECTRICAL DATA

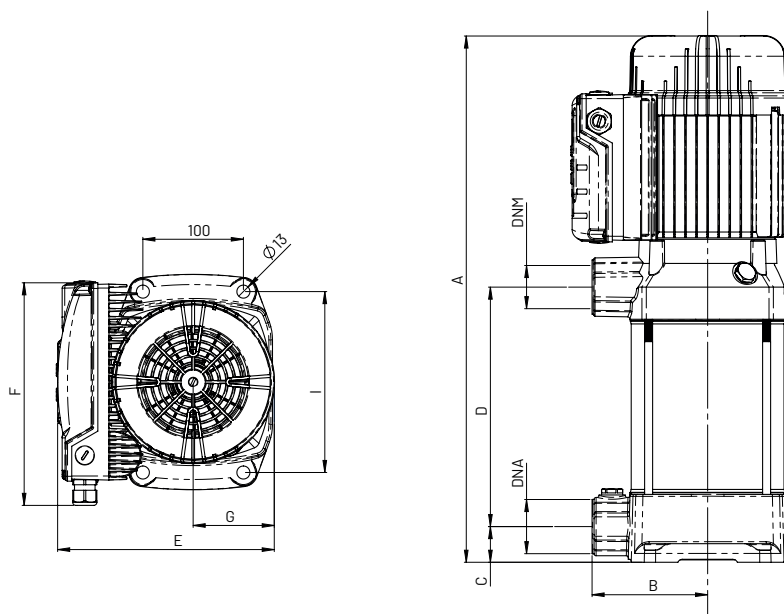
Voltage	1/N/PE~230 V	Ambient temperature max.	40 °C
Type of enclosure	IP 55	Rotation speed	2850 rpm
Insulation class	F		

CPS10/MULTINOX-VE+

Type	Code No.	Motor rating P2	Current	Weight
CPS10 MULTINOX VE+ 4-30	N4700770	0.50 kW	4.40 A	21 kg
CPS10 MULTINOX VE+ 4-50	N4700780	0.84 kW	6.71 A	25 kg
CPS10 MULTINOX VE+ 4-70	N4700790	1.17 kW	9.39 A	29 kg
CPS10 MULTINOX VE+ 4-90	N4700800	1.50 kW	12.08 A	30 kg
CPS10 MULTINOX VE+ 4-120	N4700810	2.00 kW	16.30 A	32 kg
CPS10 MULTINOX VE+ 6-30	N4700730	0.67 kW	5.95 A	21 kg
CPS10 MULTINOX VE+ 6-50	N4700740	1.10 kW	9.02 A	25 kg
CPS10 MULTINOX VE+ 6-70	N4700750	1.50 kW	13.82 A	29 kg
CPS10 MULTINOX VE+ 6-90	N4700760	2.00 kW	15.75 A	30 kg
CPS10 MULTINOX VE+ 8-30	N4700830	1.00 kW	8.70 A	21 kg
CPS10 MULTINOX VE+ 8-50	N4700710	1.50 kW	14.40 A	25 kg
CPS10 MULTINOX VE+ 8-70	N4700720	1.90 kW	15.50 A	41 kg

CPS10/MULTINOX-VE+

FREQUENCY CONVERTER - SINGLE PHASE



DIMENSIONS [mm]

Type	A	B	C	D	F	G	I	DNA	DNM	E
CPS10 MULTINOX VE+ 4-30	416	115	35	130	220	80	180	1 1/4"	1 1/4"	213
CPS10 MULTINOX VE+ 4-50	470	115	35	184	220	80	180	1 1/4"	1 1/4"	213
CPS10 MULTINOX VE+ 4-70	524	115	35	238	220	80	180	1 1/4"	1 1/4"	213
CPS10 MULTINOX VE+ 4-90	578	115	35	292	220	80	180	1 1/4"	1 1/4"	213
CPS10 MULTINOX VE+ 4-120	660	115	35	373	220	80	180	1 1/4"	1 1/4"	213
CPS10 MULTINOX VE+ 6-30	416	115	35	130	220	80	180	1 1/4"	1 1/4"	213
CPS10 MULTINOX VE+ 6-50	470	115	35	184	220	80	180	1 1/4"	1 1/4"	213
CPS10 MULTINOX VE+ 6-70	524	115	35	238	220	80	180	1 1/4"	1 1/4"	213
CPS10 MULTINOX VE+ 6-90	578	115	35	292	220	80	180	1 1/4"	1 1/4"	213
CPS10 MULTINOX VE+ 8-30	416	115	35	130	220	80	180	1 1/4"	1 1/4"	213
CPS10 MULTINOX VE+ 8-50	470	115	35	184	220	80	180	1 1/4"	1 1/4"	213
CPS10 MULTINOX VE+ 8-70	524	115	35	373	220	80	180	1 1/4"	1 1/4"	213

CPS10/MULTINOX-VE+

FREQUENCY CONVERTER - SINGLE PHASE

CPS10/PVM

FREQUENCY CONVERTER - SINGLE PHASE

- High reliability - thanks to the durable and innovative design
- Silent operation - improved user comfort thanks to its silent operation
- Many possible uses for the residential market
- High performances



DESCRIPTION

The system consists of a multi-stage centrifugal horizontal pumps CPS10/DHI and an electronic control system (inverter) which allows to keep the pressure constant in the system, reducing or increasing the speed of rotation of the pump.

MECHANICAL DATA

Dry run protection	Yes	Mechanical seal	SiC/SiC
Shaft	Stainless steel 1.4057; AISI 431	Temperature of the liquid max.	120 °C
Impeller	Stainless steel 1.4301; AISI 304	Gasket	EPDM
Pump housing	Cast iron EN GJL 200		

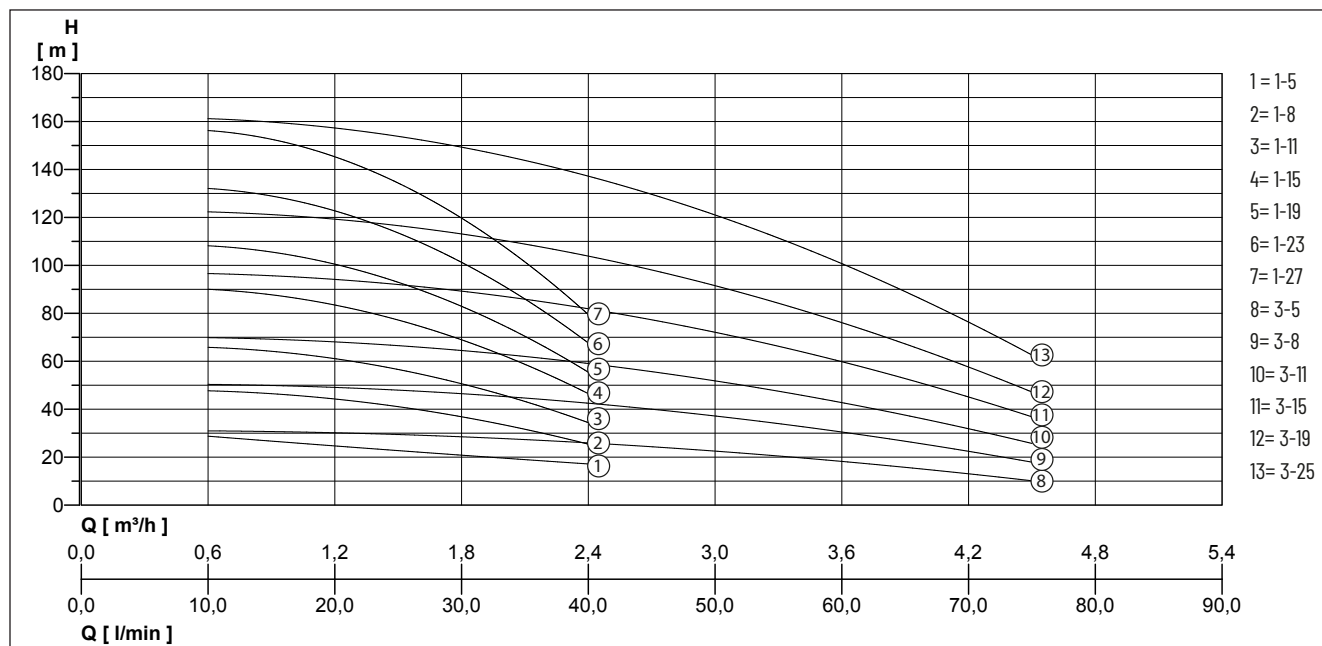
ELECTRICAL DATA

Voltage	1/N/PE~230 V	Ambient temperature max.	40 °C
Type of enclosure	IP 55	Rotation speed	2850 rpm
Insulation class	F		

CPS 10/PVM 1 PVM 3

FREQUENCY CONVERTER - SINGLE PHASE

PERFORMANCE



We reserve the right to change specifications without notice. Pump performance is subject to ISO 9906 ISO 9906:2012 - Grade 3B tolerances. MEI ≥ 0.4 - Reference MEI ≥ 0.70 - The information on the reference efficiency is available at the address: www.europump.org/efficiencycharts For the efficiency data see the PUMPS of the series PVM

Type	Flow rate Q [m³/h]	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.5
CPS10 PVM 1-5	Delivery head H [m]	30.4	29.4	22.7	22.8	16.5				
CPS10 PVM 1-8		48.8	47.6	44.5	36.6	25.5				
CPS10 PVM 1-11		67.2	65.7	61.4	50.3	34.5				
CPS10 PVM 1-15		91.6	89.9	83.8	68.6	46.6				
CPS10 PVM 1-19		110.0	108.0	101.0	82.4	55.6				
CPS10 PVM 1-23		135.0	132.0	123.0	101.0	67.7				
CPS10 PVM 1-27		159.0	156.0	146.0	119.0	79.7				
CPS10 PVM 3-5		31.9	31.1	30.0	28.3	26.2	22.6	18.0	13.3	10.0
CPS10 PVM 3-8		51.9	50.5	48.9	46.2	42.9	37.3	30.1	22.7	17.8
CPS10 PVM 3-11		71.8	70.0	67.9	64.1	59.6	52.1	42.1	32.1	25.7
CPS10 PVM 3-15		98.4	96.0	93.2	88.0	81.9	71.7	58.2	44.7	36.1
CPS10 PVM 3-19		125.0	121.9	118.0	111.9	104.0	91.3	74.3	57.2	46.5
CPS10 PVM 3-25		165.0	160.8	156.0	147.8	138.0	120.8	98.4	76.0	62.1

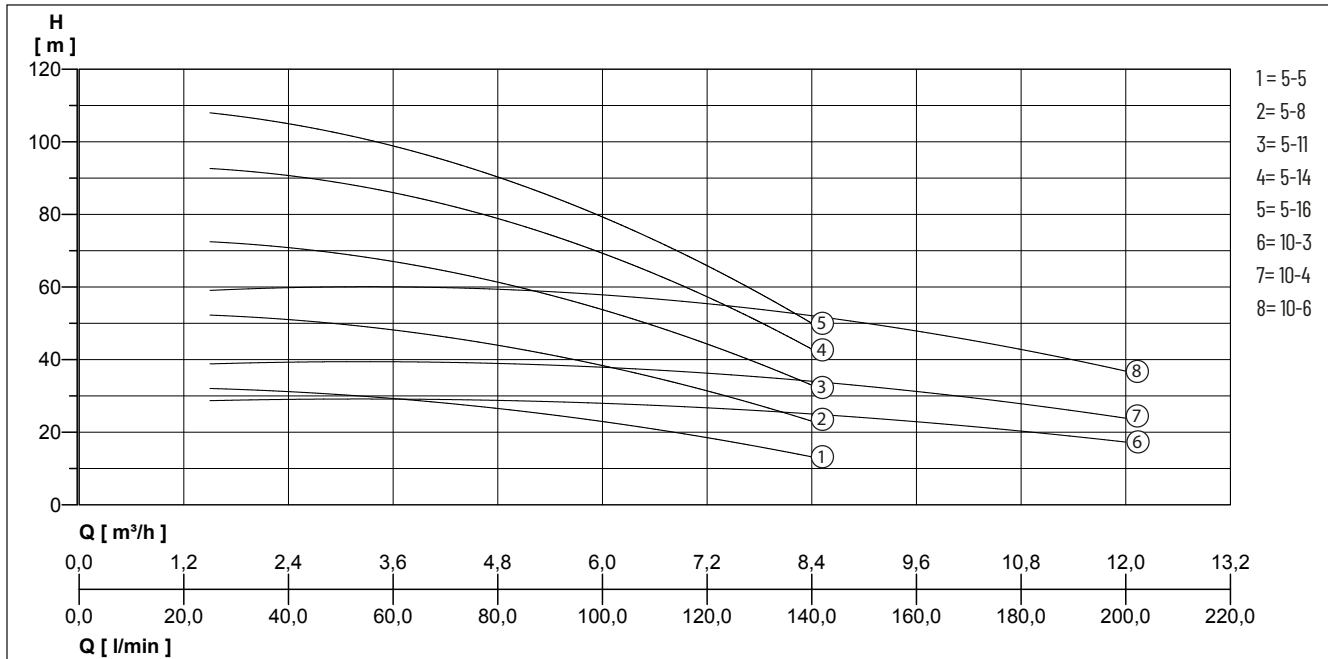
CPS 10/PVM 1 PVM 3

Type	Code No.	Motor rating P2	Current	Weight
CPS10 PVM 1-5	N4700500	0.4 kW	2.7 A	29 kg
CPS10 PVM 1-8	N4700510	0.6 kW	4.1 A	31 kg
CPS10 PVM 1-11	N4700520	0.6 kW	4.4 A	32 kg
CPS10 PVM 1-15	N4700530	0.8 kW	5.8 A	36 kg
CPS10 PVM 1-19	N4700540	1.1 kW	7.4 A	38 kg
CPS10 PVM 1-23	N4700550	1.1 kW	8.3 A	40 kg
CPS10 PVM 1-27	N4700560	1.5 kW	9.9 A	50 kg
CPS10 PVM 3-5	N4700570	0.4 kW	3.0 A	29 kg
CPS10 PVM 3-8	N4700580	0.8 kW	4.8 A	33 kg
CPS10 PVM 3-11	N4700590	1.1 kW	6.6 A	35 kg
CPS10 PVM 3-15	N4700600	1.1 kW	9.0 A	37 kg
CPS10 PVM 3-19	N4700610	1.5 kW	11.0 A	47 kg
CPS10 PVM 3-25	N4700620	2.2 kW	15.0 A	52 kg

CPS 10/PVM 5 PVM 10

FREQUENCY CONVERTER - SINGLE PHASE

PERFORMANCE



We reserve the right to change specifications without notice. Pump performance is subject to ISO 9906 ISO 9906:2012 - Grade 3B tolerances. $MEI \geq 0.4$ - Reference $MEI \geq 0.70$ - The information on the reference efficiency is available at the address: www.europump.org/efficiencycharts For the efficiency data see the PUMPS of the series PVM

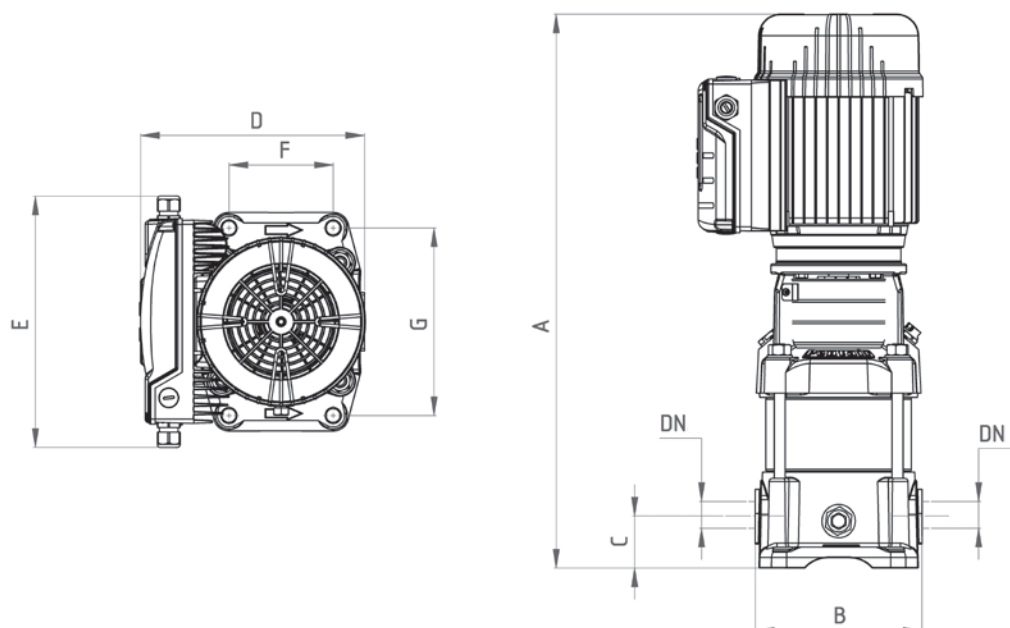
Type	Flow rate Q [m³/h]	0	1.5	2.4	3	3.6	4.5	4.8	6	7.2	7.5	8.4	9	10.5	12
CPS10 PVM 5-5	Delivery head H [m]	32.3		31.1		29.4		26.8	22.9	18.0		13.5			
CPS10 PVM 5-8		52.9		51.1		48.5		44.3	38.2	30.5		23.6			
CPS10 PVM 5-11		73.5		71.1		67.5		61.8	53.5	43.0		33.8			
CPS10 PVM 5-14		94.1		91.1		86.6		79.4	68.9	55.8		43.9			
CPS10 PVM 5-16		108.0		104.5		99.3		91.0	79.1	64.7		50.7			
CPS10 PVM 10-3		28.6	28.9		29.0		28.7		27.8		26.4		24.4	21.0	17.1
CPS10 PVM 10-4		38.8	39.1		39.2		38.9		37.7		35.8		33.2	28.8	23.6
CPS10 PVM 10-6		59.2	59.4		59.8		59.4		57.5		54.7		50.8	44.2	36.5

CPS 10/PVM 5 PVM 10

Type	Code No.	Motor rating P2	Current	Weight
CPS10 PVM 5-5	N4700630	0.75 kW	5.4 A	32 kg
CPS10 PVM 5-8	N4700820	1.10 kW	8.7 A	35 kg
CPS10 PVM 5-11	N4700650	2.20 kW	12.0 A	48 kg
CPS10 PVM 5-14	N4700660	2.20 kW	15.2 A	50 kg
CPS10 PVM 5-16	N4700670	2.20 kW	17.4 A	51 kg
CPS10 PVM 10-3	N4700680	1.10 kW	2.4 A	45 kg
CPS10 PVM 10-4	N4700690	1.50 kW	3.2 A	55 kg
CPS10 PVM 10-6	N4700700	2.20 kW	4.8 A	60 kg

CPS10/PVM

FREQUENCY CONVERTER - SINGLE PHASE



DIMENSIONS [mm]

Type	A	B	C	D	F	G	DN	E
CPS10 PVM 1-5	510	250	75	135	100	180	32	232
CPS10 PVM 1-8	564	250	75	135	100	180	32	232
CPS10 PVM 1-11	618	250	75	135	100	180	32	232
CPS10 PVM 1-15	736	250	75	135	100	180	32	232
CPS10 PVM 1-19	808	250	75	135	100	180	32	232
CPS10 PVM 1-23	880	250	75	135	100	180	32	232
CPS10 PVM 1-27	1024	250	75	135	100	180	32	232
CPS10 PVM 3-5	510	510	510	510	510	510	32	510
CPS10 PVM 3-8	610	610	610	610	610	610	32	610
CPS10 PVM 3-11	664	664	664	664	664	664	32	664
CPS10 PVM 3-15	736	736	736	736	736	736	32	736
CPS10 PVM 3-19	880	880	880	880	880	880	32	880
CPS10 PVM 3-25	988	988	988	988	988	988	32	988
CPS10 PVM 5-5	601	250	75	135	100	180	32	232
CPS10 PVM 5-8	682	250	75	135	100	180	32	232
CPS10 PVM 5-11	835	250	75	135	100	180	32	232
CPS10 PVM 5-14	916	250	75	135	100	180	32	232
CPS10 PVM 5-16	970	250	75	135	100	180	32	232
CPS10 PVM 10-3	612	280	80	160	130	215	40	232
CPS10 PVM 10-4	714	280	80	160	130	215	40	232
CPS10 PVM 10-6	774	280	80	160	130	215	40	232

CPS3-10/MULTINOX-VE+

FREQUENCY CONVERTER - THREE PHASE

- Pressure measurement with the possibility to manage 2 independent levels adjustable by means of a time added internally or with an external connection
- Internal clock
- Calculation of the speed of the motor
- Protection against dry running
- Over and under current protection



DESCRIPTION

CPS 3-10 is an electronic device capable of changing the frequency of a pump. Integrated directly on the motor, it allows to adjust its speed so as to supply the same pressure at all times, even when the water demand changes. CPS represents a compact, essential and reliable solution which is easy to use; designed to offer great comfort and benefits in various applications such as: irrigation, pressurization and water transfer, residential, commercial and industrial uses. The CPS range is characterised by a simple and elegant design with a backlight graphic display which informs the user of the operating parameters in real time.

The operating principle is simple and effective. The CPS powers the electric motor of the pump on which it is mounted and, by means of a feedback system that uses a pressure transducer, it changes the supply frequency of the electric motor depending on the water demand in order to keep the output pressure of the pump constant, the value of which is set on the device (set point). CPS ensures high levels of efficiency and greater flexibility in performance, ensuring a high energy saving and making the use of other control devices unnecessary.

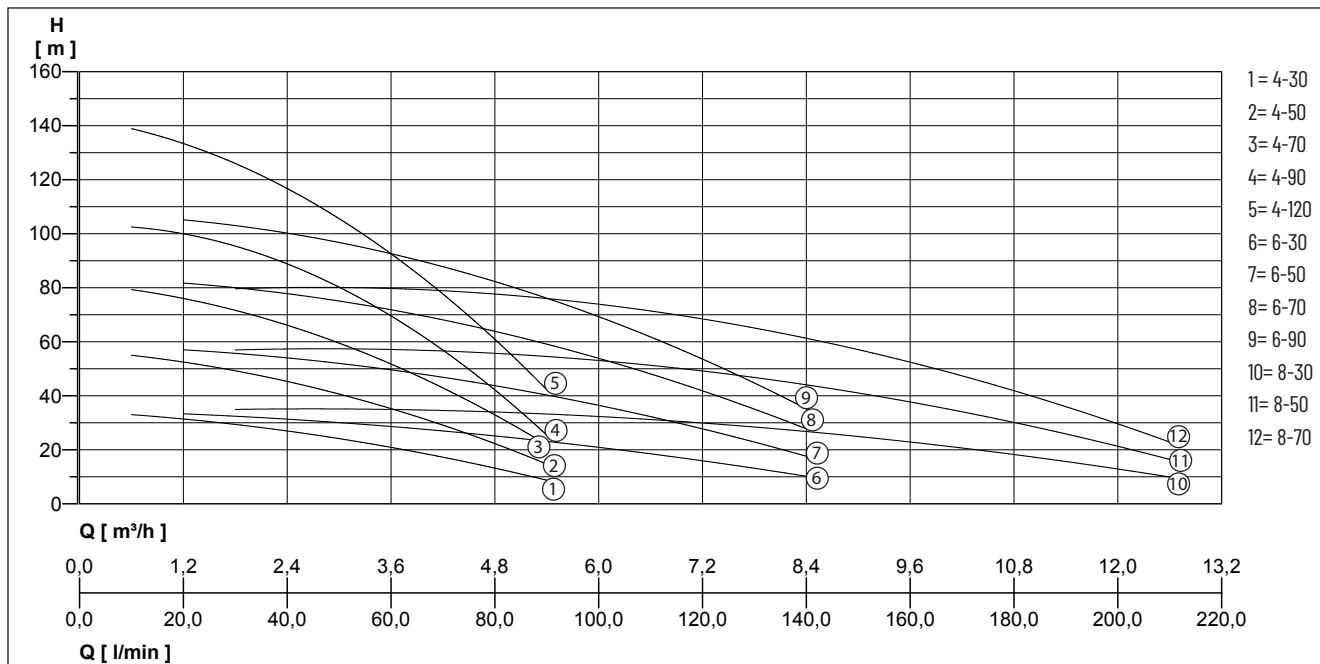
APPLICATIONS

- Pressurization systems
- Water supply
- Industry
- Construction
- Washes

CPS3-10/MULTINOX-VE+

FREQUENCY CONVERTER - THREE PHASE

PERFORMANCE



We reserve the right to change specifications without notice. Pump performance is subject to ISO 9906 ISO 9906:2012 - Grade 3B tolerances. $MEI \geq 0.4$ - Reference $MEI \geq 0.70$ - The information on the reference efficiency is available at the address: www.europump.org/efficiencycharts For the efficiency data see the PUMPS of the series MULTINOX-VE+

Type	Flow rate Q [m³/h]	0.6	1.2	2	2.4	3	3.6	4.2	5	5.4	6	7.2	8.4	9	11	13
CPS3-10 MULTINOX VE+ 4-30	Delivery head H [m]	33	31	30	27	24	21	17	13	9						
CPS3-10 MULTINOX VE+ 4-50		55	52	50	45	41	35	29	22	15						
CPS3-10 MULTINOX VE+ 4-70		79	76	72	67	59	51	43	33	22						
CPS3-10 MULTINOX VE+ 4-90		104	99	95	88	79	69	59	46	32						
CPS3-10 MULTINOX VE+ 4-120		138	134	127	117	105	92	78	60	43						
CPS3-10 MULTINOX VE+ 6-30			34	32	31	30	28	27	26	23	21	16	10			
CPS3-10 MULTINOX VE+ 6-50			58	56	53	51	49	47	44	41	37	28	17			
CPS3-10 MULTINOX VE+ 6-70			83	80	77	74	71	68	64	60	55	42	27			
CPS3-10 MULTINOX VE+ 6-90			107	103	99	95	92	87	83	77	71	54	34			
CPS3-10 MULTINOX VE+ 8-30				35	35	35	35	35	34	33	32	30	27	25	18	10
CPS3-10 MULTINOX VE+ 8-50				57	57	56	56	56	54	53	52	50	45	40	28	16
CPS3-10 MULTINOX VE+ 8-70				80	80	79	78	78	76	74	72	70	63	56	40	22
CPS3-10 MULTINOX VE+ 8-90				104	104	104	103	103	101	98	94	90	82	73	52	29
CPS3-10 MULTINOX VE+ 8-120				139	139	139	138	138	135	131	126	120	109	98	70	38

MECHANICAL DATA

Dry run protection	Yes	Diffuser	Technopolymer
Shaft	Stainless steel X5 CrNi 1810 (AISI 304)	Type of liquid	clean water without suspended solids or abrasive material
Impeller	Technopolymer	Temperature of the liquid max.	50 °C
Pump housing	Stainless steel X5 CrNi 1810 (AISI 304)	Suction height max.	6 m
		Gasket	NBR

ELECTRICAL DATA

Voltage	3/N/PE-400 V	Ambient temperature max.	40 °C
Type of enclosure	IP 55	Rotation speed	2850 rpm
Insulation class	F		

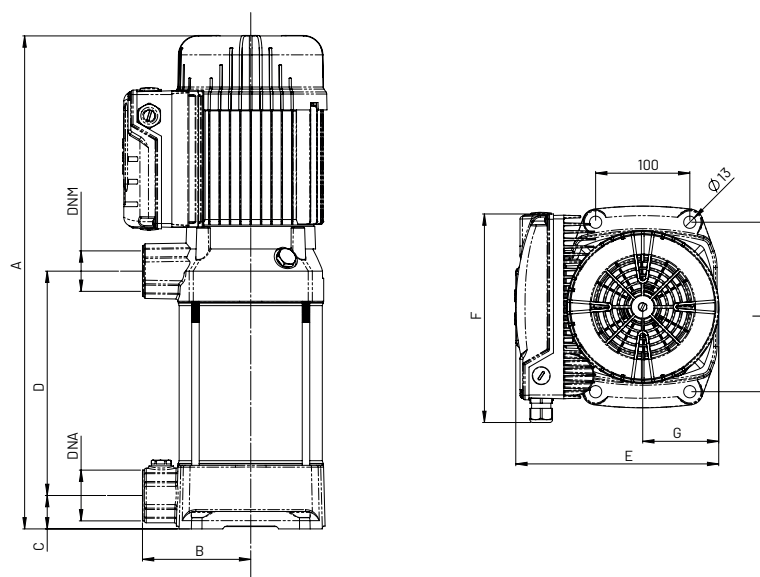
CPS3-10/MULTINOX-VE+

FREQUENCY CONVERTER - THREE PHASE

CPS3-10/MULTINOX-VE+

Type	Code No.	Motor rating P2	Current	Weight
CPS3-10 MULTINOX VE+ 4-30	N4810280	0.50 kW	2.54 A	21 kg
CPS3-10 MULTINOX VE+ 4-50	N4810290	0.84 kW	3.90 A	25 kg
CPS3-10 MULTINOX VE+ 4-70	N4810300	1.17 kW	5.46 A	29 kg
CPS3-10 MULTINOX VE+ 4-90	N4810310	1.50 kW	7.22 A	30 kg
CPS3-10 MULTINOX VE+ 4-120	N4810320	2.00 kW	9.42 A	32 kg
CPS3-10 MULTINOX VE+ 6-30	N4810240	0.67 kW	3.58 A	21 kg
CPS3-10 MULTINOX VE+ 6-50	N4810250	1.10 kW	5.26 A	25 kg
CPS3-10 MULTINOX VE+ 6-70	N4810260	1.50 kW	8.21 A	29 kg
CPS3-10 MULTINOX VE+ 6-90	N4810270	2.00 kW	9.13 A	30 kg
CPS3-10 MULTINOX VE+ 8-30	N4810210	1.00 kW	2.60 A	21 kg
CPS3-10 MULTINOX VE+ 8-50	N4810220	1.50 kW	4.33 A	25 kg
CPS3-10 MULTINOX VE+ 8-70	N4810230	1.90 kW	6.13 A	41 kg
CPS3-10 MULTINOX VE+ 8-90	N4800380	3.00 kW	9.70 A	42 kg
CPS3-10 MULTINOX VE+ 8-120	N4800390	4.00 kW	12.30 A	45 kg

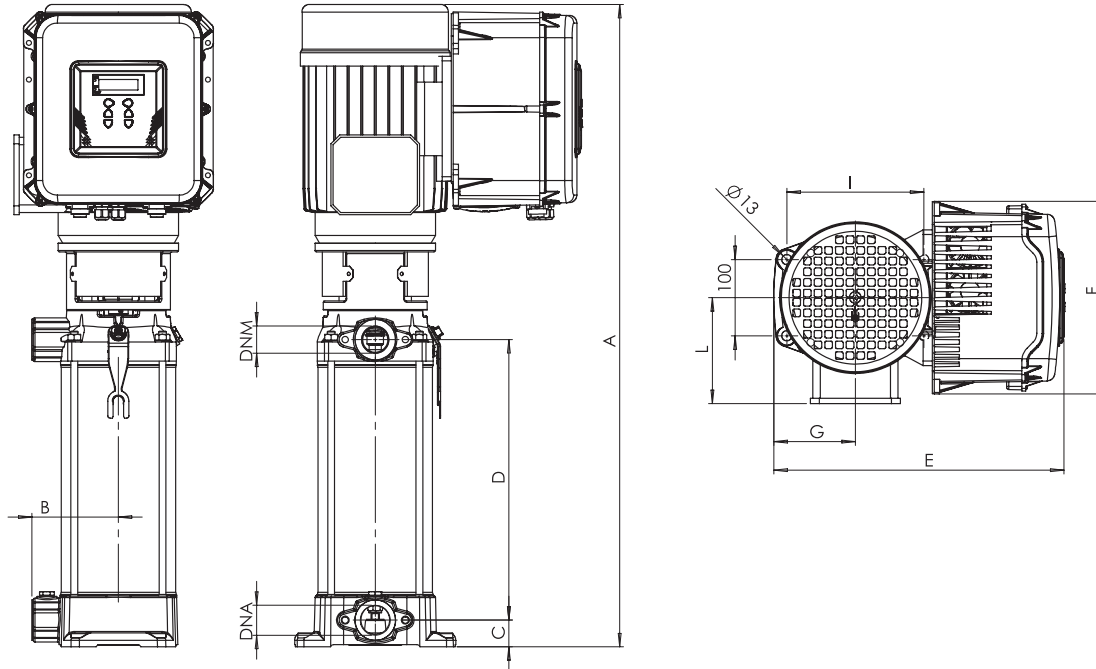
Figure 1



CPS3-10/MULTINOX-VE+

FREQUENCY CONVERTER - THREE PHASE

Figure 2



DIMENSIONS [mm]

Type	Fig.	A	B	C	D	F	G	I	L	DNA	DNM	E
CPS3-10 MULTINOX VE+ 4-30	1	416	115	35	130	220	80	180		1 1/4"	1 1/4"	213
CPS3-10 MULTINOX VE+ 4-50	1	470	115	35	184	220	80	180		1 1/4"	1 1/4"	213
CPS3-10 MULTINOX VE+ 4-70	1	524	115	35	238	220	80	180		1 1/4"	1 1/4"	213
CPS3-10 MULTINOX VE+ 4-90	1	578	115	35	292	220	80	180		1 1/4"	1 1/4"	213
CPS3-10 MULTINOX VE+ 4-120	1	660	115	35	373	220	80	180		1 1/4"	1 1/4"	213
CPS3-10 MULTINOX VE+ 6-30	1	416	115	35	130	220	80	180		1 1/4"	1 1/4"	213
CPS3-10 MULTINOX VE+ 6-50	1	470	115	35	184	220	80	180		1 1/4"	1 1/4"	213
CPS3-10 MULTINOX VE+ 6-70	1	524	115	35	238	220	80	180		1 1/4"	1 1/4"	213
CPS3-10 MULTINOX VE+ 6-90	1	578	115	35	292	220	80	180		1 1/4"	1 1/4"	213
CPS3-10 MULTINOX VE+ 8-30	1	416	115	35	130	220	80	180		1 1/4"	1 1/4"	213
CPS3-10 MULTINOX VE+ 8-50	1	470	115	35	184	220	80	180		1 1/4"	1 1/4"	213
CPS3-10 MULTINOX VE+ 8-70	1	524	115	35	373	220	80	180		1 1/4"	1 1/4"	213
CPS3-10 MULTINOX VE+ 8-90	2	730	115	35	292	253	105	180	140	1 1/4"	1 1/4"	370
CPS3-10 MULTINOX VE+ 8-120	2	855	115	35	373	253	105	180	145	1 1/4"	1 1/4"	380

CPS3-10/PVM

FREQUENCY CONVERTER - THREE PHASE

- Pressure measurement with the possibility to manage 2 independent levels adjustable by means of a time added internally or with an external connection
- Start and stop
- Internal clock
- Calculation of the speed of the motor
- Protection against dry running
- Over and under current protection



DESCRIPTION

CPS 3-10 is an electronic device capable of changing the frequency of a pump. Integrated directly on the motor, it allows to adjust its speed so as to supply the same pressure at all times, even when the water demand changes. CPS represents a compact, essential and reliable solution which is easy to use; designed to offer great comfort and benefits in various applications such as: irrigation, pressurization and water transfer, residential, commercial and industrial uses. The CPS range is characterised by a simple and elegant design with a backlight graphic display which informs the user of the operating parameters in real time.

The operating principle is simple and effective. The CPS powers the electric motor of the pump on which it is mounted and, by means of a feedback system that uses a pressure transducer, it changes the supply frequency of the electric motor depending on the water demand in order to keep the output pressure of the pump constant, the value of which is set on the device (set point). CPS ensures high levels of efficiency and greater flexibility in performance, ensuring a high energy saving and making the use of other control devices unnecessary.

APPLICATIONS

- Pressurization systems
- Water supply
- Industry
- Construction
- Washes

MECHANICAL DATA

Dry run protection	Yes	Mechanical seal	SiC/SiC
Shaft	Stainless steel 1.4057; AISI 431	Gasket	EPDM

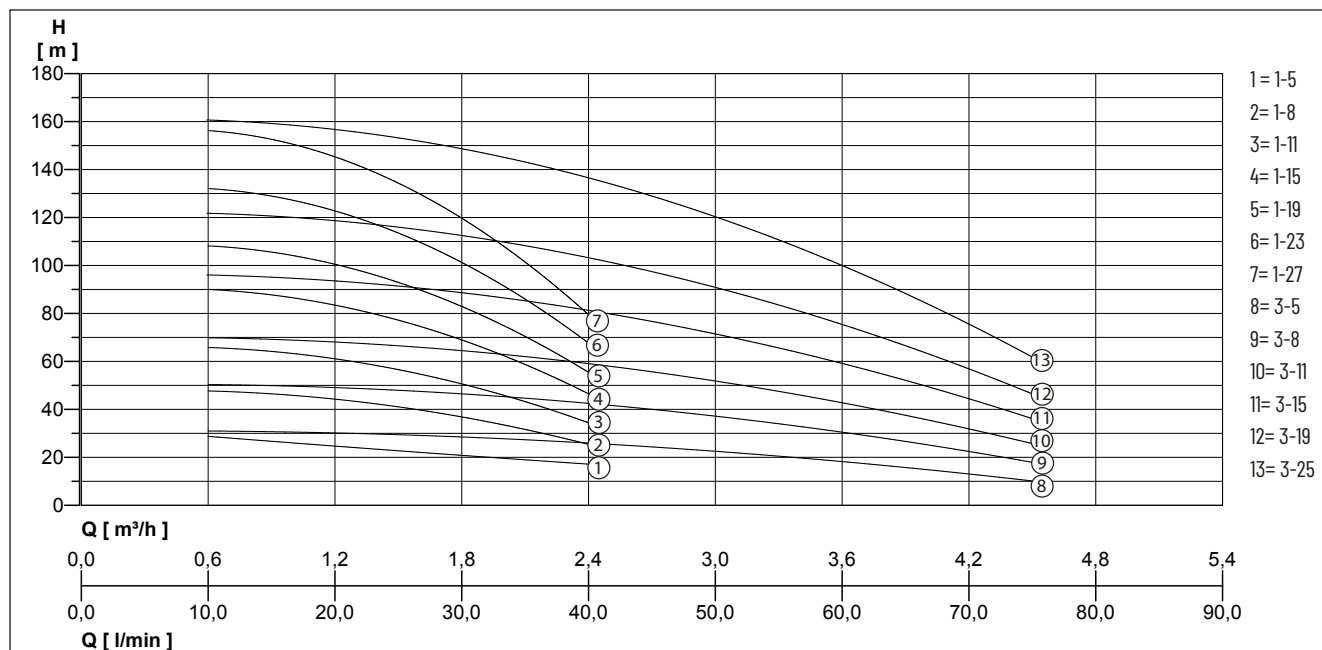
ELECTRICAL DATA

Voltage	3/N/PE~400 V	Ambient temperature max.	50 °C
Type of enclosure	IP55 (if installed on motors with a degree of protection IP55 or above)		

CPS3-10/PVM 1 PVM 3

FREQUENCY CONVERTER - THREE PHASE

PERFORMANCE



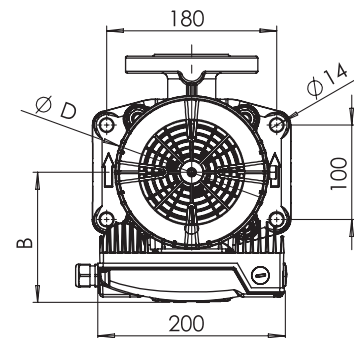
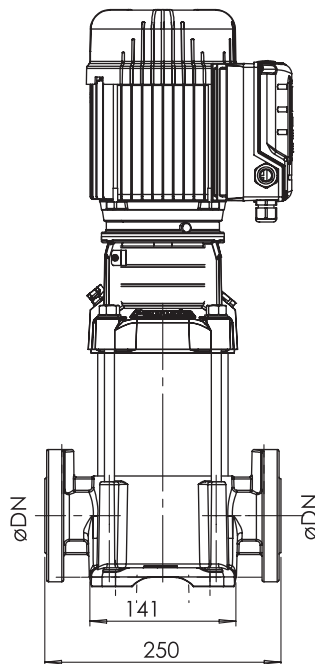
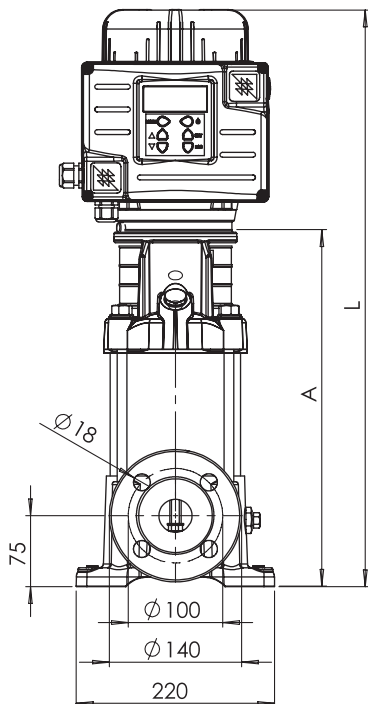
Type	Flow rate Q [m³/h]	0	0.6	1.2	1.8	2.4	3.6	4.5
CPS3-10 PVM 1-5 F	Delivery head H [m]	30.4	29.4	22.7	22.8	16.5		
CPS3-10 PVM 1-8 F		48.8	47.6	44.5	36.6	25.5		
CPS3-10 PVM 1-11 F		67.2	65.7	61.4	50.3	34.5		
CPS3-10 PVM 1-15 F		91.6	89.9	83.8	68.6	46.6		
CPS3-10 PVM 1-19 F		110.0	108.0	100.7	82.4	55.6		
CPS3-10 PVM 1-23 F		134.5	132.2	123.1	100.7	67.7		
CPS3-10 PVM 1-27 F		159.0	156.4	145.6	119.0	79.7		
CPS3-10 PVM 3-5 F		31.9		30.0		26.2	18.0	10.0
CPS3-10 PVM 3-8 F		51.9		48.9		42.9	30.1	17.8
CPS3-10 PVM 3-11 F		71.8		67.9		59.6	42.1	25.7
CPS3-10 PVM 3-15 F		98.4		93.2		81.9	58.2	36.1
CPS3-10 PVM 3-19 F		125.0		118.4		104.2	74.3	46.5
CPS3-10 PVM 3-25 F		164.9		156.3		137.6	98.4	62.1

CPS3-10/PVM 1 PVM 3

FREQUENCY CONVERTER - THREE PHASE

CPS3-10/PVM 1 PVM 3

Type	Code No.	Motor rating P2	Current	Impeller	Pump housing	Temperature of the liquid max.	Weight
CPS3-10 PVM 1-5 F	N4810000	0.37 kW	1.50 A	Stainless steel 1.4301; AISI 304	Cast iron EN GJL 200	120 °C	29 kg
CPS3-10 PVM 1-8 F	N4810010	0.55 kW	2.30 A	Stainless steel 1.4301; AISI 304	Cast iron EN GJL 200	120 °C	31 kg
CPS3-10 PVM 1-11 F	N4810020	0.55 kW	3.20 A	Stainless steel 1.4301; AISI 304	Cast iron EN GJL 200	120 °C	32 kg
CPS3-10 PVM 1-15 F	N4810030	0.75 kW	4.40 A	Stainless steel 1.4301; AISI 304	Cast iron EN GJL 200	-	36 kg
CPS3-10 PVM 1-19 F	N4810040	1.10 kW	5.50 A	Stainless steel 1.4301; AISI 304	Cast iron EN GJL 200	120 °C	38 kg
CPS3-10 PVM 1-23 F	N4810050	1.10 kW	6.70 A	Stainless steel 1.4301; AISI 304	Cast iron EN GJL 200	120 °C	40 kg
CPS3-10 PVM 1-27 F	N4810060	1.50 kW	7.80 A	Stainless steel 1.4301; AISI 304	Stainless steel X5 CrNi 1810 (AISI 304)	120 °C	50 kg
CPS3-10 PVM 3-5 F	N4810070	0.37 kW	0.90 A	Stainless steel 1.4301; AISI 304	Cast iron EN GJL 200	120 °C	29 kg
CPS3-10 PVM 3-8 F	N4810080	0.75 kW	1.45 A	Stainless steel 1.4301; AISI 304	Cast iron EN GJL 200	120 °C	33 kg
CPS3-10 PVM 3-11 F	N4810090	0.75 kW	2.00 A	Stainless steel 1.4301; AISI 304	Cast iron EN GJL 200	120 °C	35 kg
CPS3-10 PVM 3-15 F	N4810100	1.10 kW	2.70 A	Stainless steel 1.4301; AISI 304	Cast iron EN GJL 200	120 °C	37 kg
CPS3-10 PVM 3-19 F	N4810110	1.50 kW	3.40 A	Stainless steel 1.4301; AISI 304	Cast iron EN GJL 200	120 °C	47 kg
CPS3-10 PVM 3-25 F	N4810120	2.20 kW	4.50 A	Stainless steel 1.4301; AISI 304	Cast iron EN GJL 200	120 °C	52 kg



CPS3-10/PVM 1 PVM 3

FREQUENCY CONVERTER - THREE PHASE

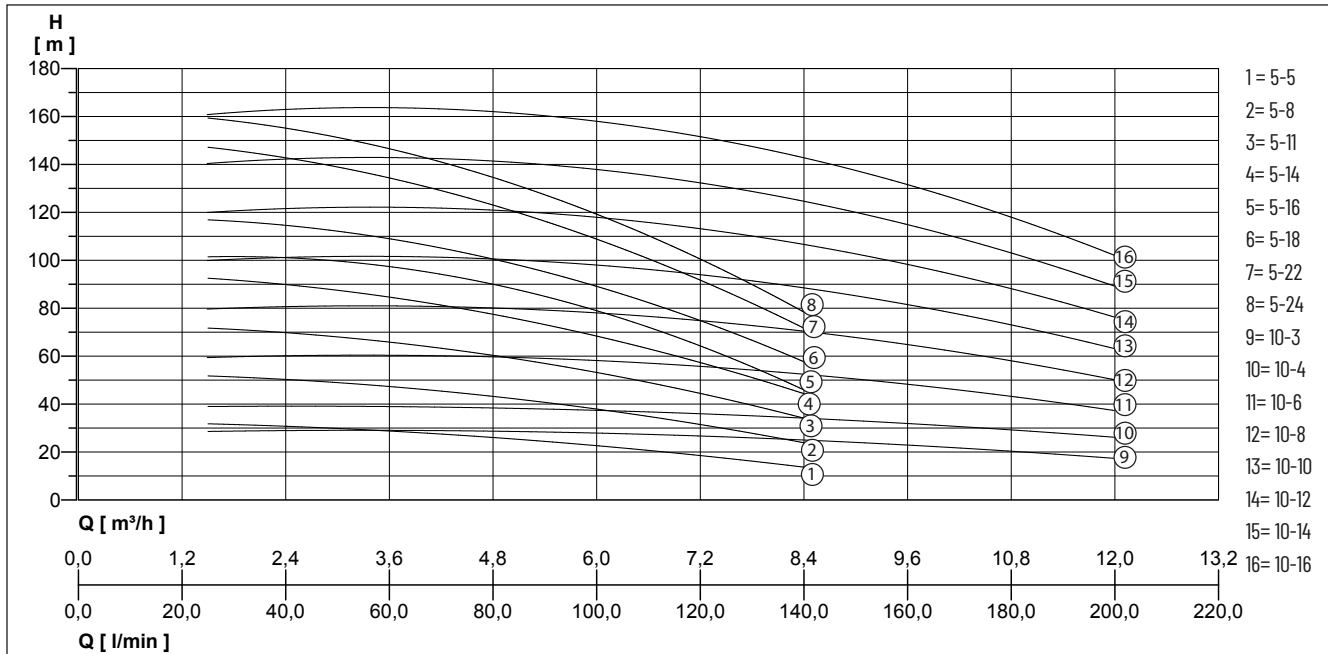
DIMENSIONS [mm]

Type	A	B	C	D	F	G	DN	E
CPS3-10 PVM 1-5 F	510	250	75	135	100	180	32	232
CPS3-10 PVM 1-8 F	564	250	75	135	100	180	32	232
CPS3-10 PVM 1-11 F	618	250	75	135	100	180	32	232
CPS3-10 PVM 1-15 F	736	250	75	135	100	180	32	232
CPS3-10 PVM 1-19 F	808	250	75	135	100	180	32	232
CPS3-10 PVM 1-23 F	880	250	75	135	100	180	32	232
CPS3-10 PVM 1-27 F	1024	250	75	135	100	180	32	232
CPS3-10 PVM 3-5 F	510	510	510	510	510	510	32	510
CPS3-10 PVM 3-8 F	610	610	610	610	610	610	32	610
CPS3-10 PVM 3-11 F	664	664	664	664	664	664	32	664
CPS3-10 PVM 3-15 F	736	736	736	736	736	736	32	736
CPS3-10 PVM 3-19 F	880	880	880	880	880	880	32	880
CPS3-10 PVM 3-25 F	988	988	988	988	988	988	32	988

CPS3-10/PVM 5 PVM 10

FREQUENCY CONVERTER - THREE PHASE

PERFORMANCE



Type	Flow rate Q [m³/h]	0	1.5	3	4.5	6	7.5	8.4	9	10.5	12
CPS3-10 PVM 5-5 F	Delivery head H [m]	32.3		29.4	26.8	22.9	17.5	13.5			
CPS3-10 PVM 5-8 F		52.9		48.5	44.3	38.2	29.9	23.6			
CPS3-10 PVM 5-11 F		73.5		67.5	61.8	53.5	42.3	33.8			
CPS3-10 PVM 5-14 F		94.1		86.6	79.4	68.9	54.6	43.9			
CPS3-10 PVM 5-16 F		107.8		99.3	91.0	79.1	62.9	50.7			
CPS3-10 PVM 5-18 F		121.5		112.0	102.7	89.3	71.1	57.4			
CPS3-10 PVM 5-22 F		149.0		137.4	126.1	109.7	87.6	70.9			
CPS3-10 PVM 5-24 F		162.7		150.1	137.8	119.9	95.9	77.7			
CPS3-10 PVM 10-3 F		28.6	28.8	29.0	28.4	27.8	26.4		24.4	21.1	17.1
CPS3-10 PVM 10-4 F		38.8	39.0	39.2	38.0	37.7	36.0		33.2	29.0	23.6
CPS3-10 PVM 10-6 F		59.2	59.6	59.8	59.2	57.5	55.0		50.8	44.7	36.5
CPS3-10 PVM 10-8		79.6	79.8	80.3	79.9	77.4	73.6		68.4	59.7	49.5
CPS3-10 PVM 10-10		99.9	100.1	101.0	100.3	97.2	92.6		86.0	75.2	62.4
CPS3-10 PVM 10-12		120.0	120.5	121.0	120.8	117.0	111.5		104.0	90.7	75.4
CPS3-10 PVM 10-14		141.0	140.8	142.0	141.2	137.0	130.4		121.2	106.2	88.3
CPS3-10 PVM 10-16		161.0	161.2	163.0	161.7	157.0	149.3		139.0	121.7	101.0

CPS3-10/PVM 5 PVM 10

FREQUENCY CONVERTER - THREE PHASE

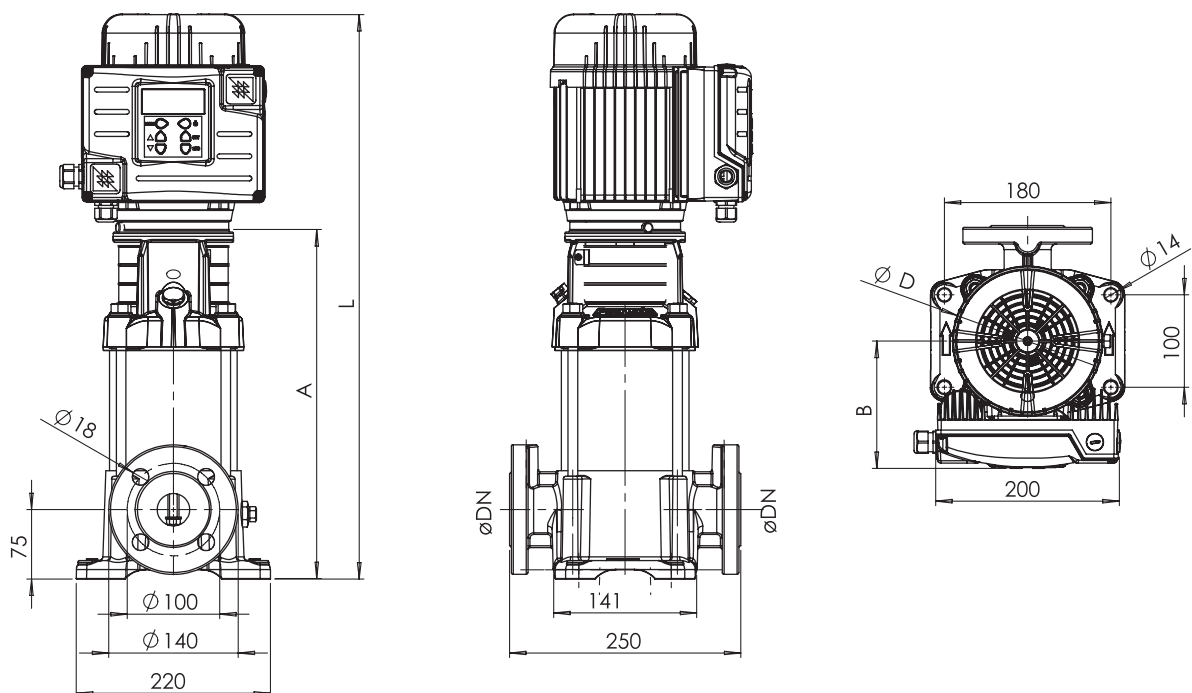
CPS3-10/PVM 5 PVM 10

Type	Code No.	Motor rating P2	Current	Impeller	Pump housing	Temperature of the liquid max.	Weight
CPS3-10 PVM 5-5 F	N4810130	0.75 kW	1.7 A	Stainless steel 1.4301; AISI 304	Cast iron EN GJL 200	120 °C	32 kg
CPS3-10 PVM 5-8 F	N4810140	1.10 kW	2.7 A	Stainless steel 1.4301; AISI 304	Cast iron EN GJL 200	120 °C	35 kg
CPS3-10 PVM 5-11 F	N4810150	2.20 kW	3.7 A	Stainless steel 1.4301; AISI 304	Cast iron EN GJL 200	120 °C	48 kg
CPS3-10 PVM 5-14 F	N4810160	2.20 kW	4.8 A	Stainless steel 1.4301; AISI 304	Cast iron EN GJL 200	120 °C	50 kg
CPS3-10 PVM 5-16 F	N4810170	2.20 kW	5.4 A	Stainless steel X5CrNi18-10 (AISI 304)	Cast iron EN GJL 200	120 °C	51 kg
CPS3-10 PVM 5-18 F	N4800450	3.00 kW	6.1 A	Stainless steel 1.4301; AISI 304	Cast iron EN GJL 200	120 °C	59 kg
CPS3-10 PVM 5-22 F	N4800460	4.00 kW	7.5 A	Stainless steel 1.4301; AISI 304	Cast iron EN GJL 200	120 °C	65 kg
CPS3-10 PVM 5-24 F	N4800470	4.00 kW	8.2 A	Stainless steel 1.4301; AISI 304	Cast iron EN GJL 200	120 °C	66 kg
CPS3-10 PVM 10-3 F	N4810180	1.10 kW	2.4 A	Stainless steel 1.4301; AISI 304	Cast iron EN GJL 200	120 °C	45 kg
CPS3-10 PVM 10-4 F	N4810190	1.50 kW	3.2 A	Stainless steel 1.4301; AISI 304	Cast iron EN GJL 200	120 °C	55 kg
CPS3-10 PVM 10-6 F	N4810200	2.20 kW	4.8 A	Stainless steel 1.4301; AISI 304	-	120 °C	60 kg
CPS3-10 PVM 10-8	N4800400	3.00 kW	6.4 A	Stainless steel 1.4301; AISI 304	Cast iron EN GJL 200	120 °C	70 kg
CPS3-10 PVM 10-10	N4800410	4.00 kW	8.0 A	Stainless steel 1.4301; AISI 304	Cast iron EN GJL 200	120 °C	75 kg
CPS3-10 PVM 10-12	N4800420	4.00 kW	9.6 A	Stainless steel 1.4301; AISI 304	Cast iron EN GJL 200	120 °C	77 kg
CPS3-10 PVM 10-14	N4800430	5.50 kW	11.0 A	Stainless steel 1.4301; AISI 304	Cast iron EN GJL 200	120 °C	109 kg
CPS3-10 PVM 10-16	N4800440	5.50 kW	13.0 A	Stainless steel 1.4301; AISI 304	Cast iron EN GJL 200	120 °C	111 kg

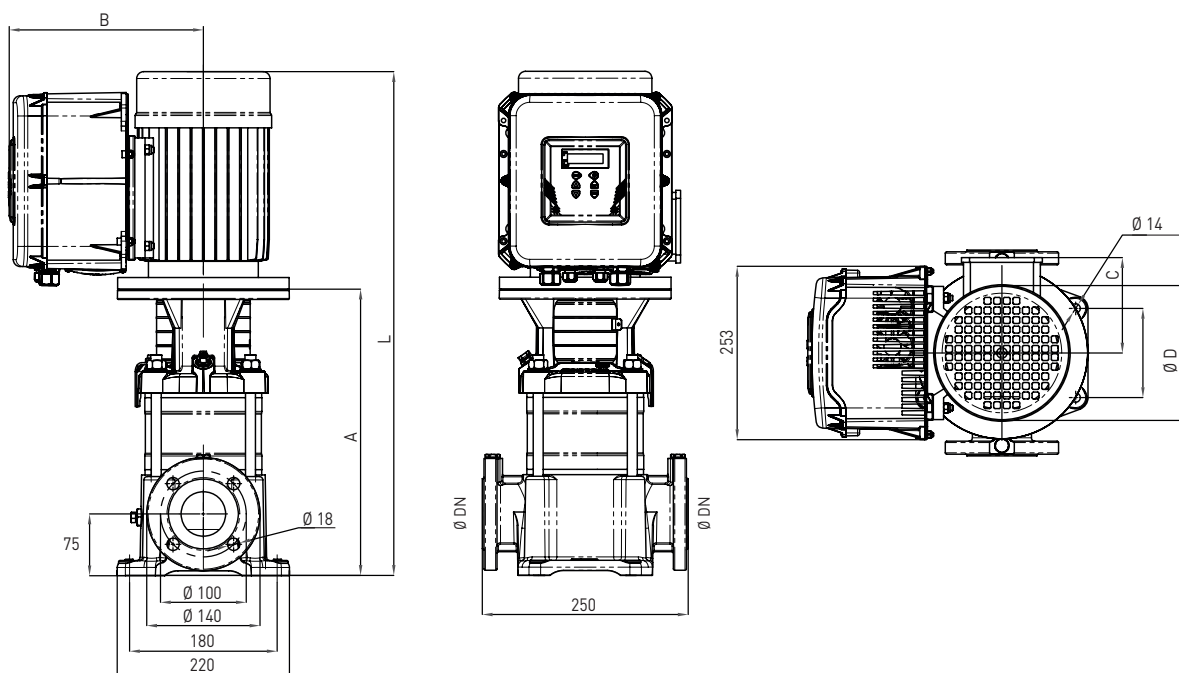
CPS3-10/PVM 5 PVM 10

FREQUENCY CONVERTER - THREE PHASE

CPS3-10 PVM 5 Fig. 1



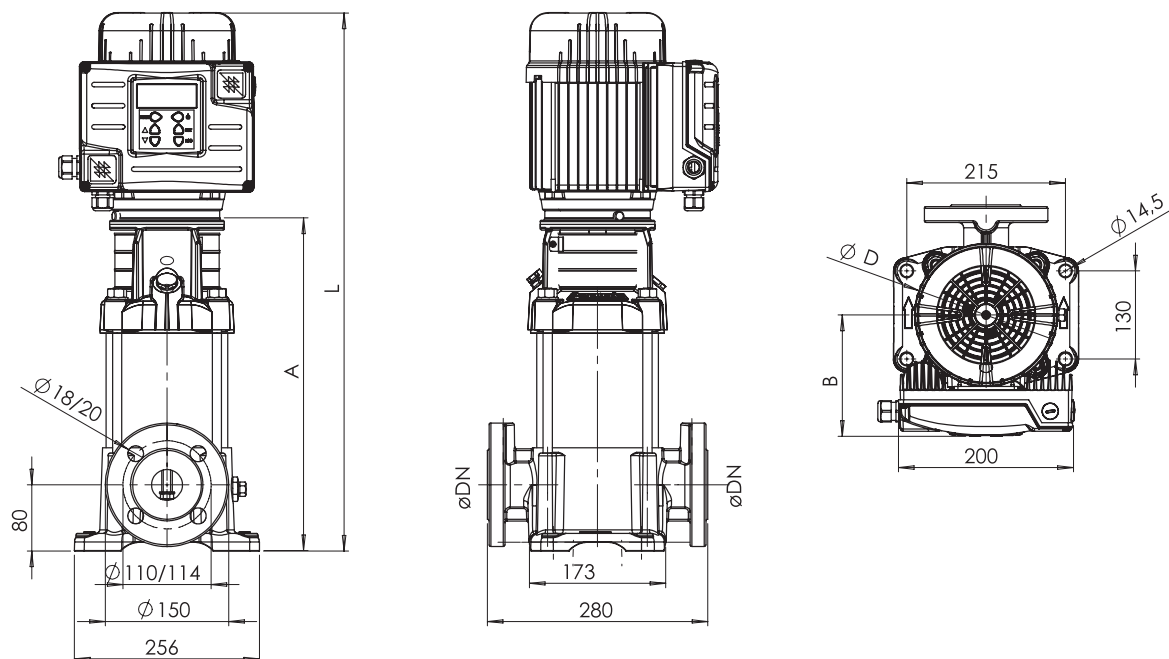
CPS3-10 PVM 5 Fig. 2



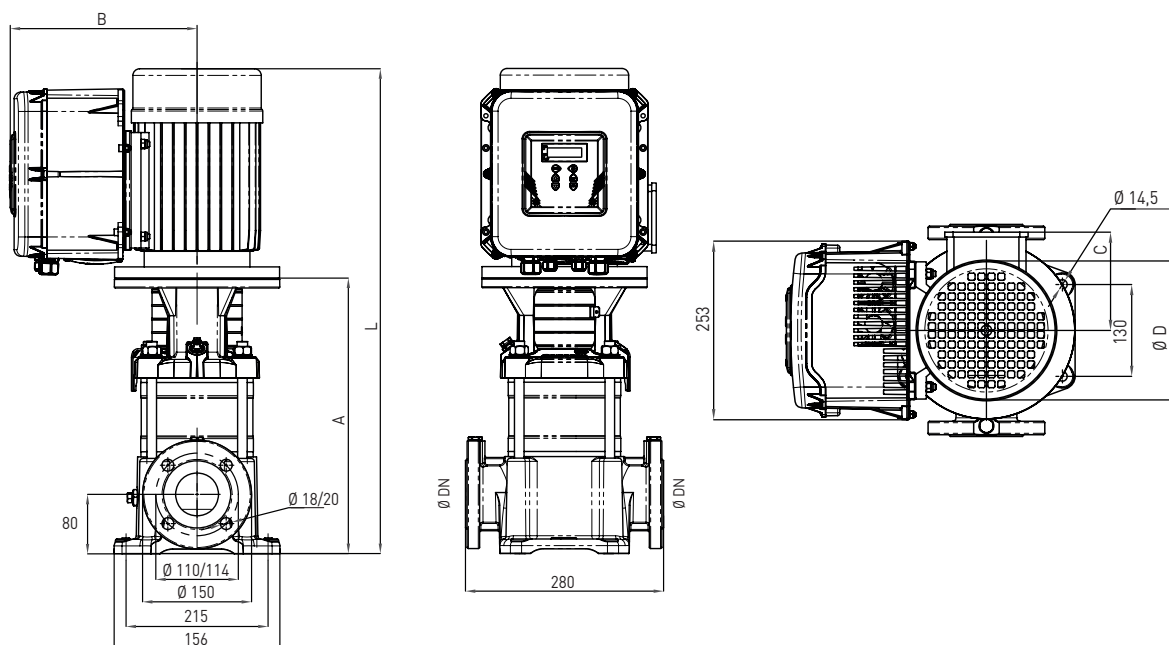
CPS3-10/PVM 5 PVM 10

FREQUENCY CONVERTER - THREE PHASE

CPS3-10 PVM 10 Fig. 1



CPS3-10 PVM 10 Fig. 2



CPS3-10/PVM 5 PVM 10

FREQUENCY CONVERTER - THREE PHASE

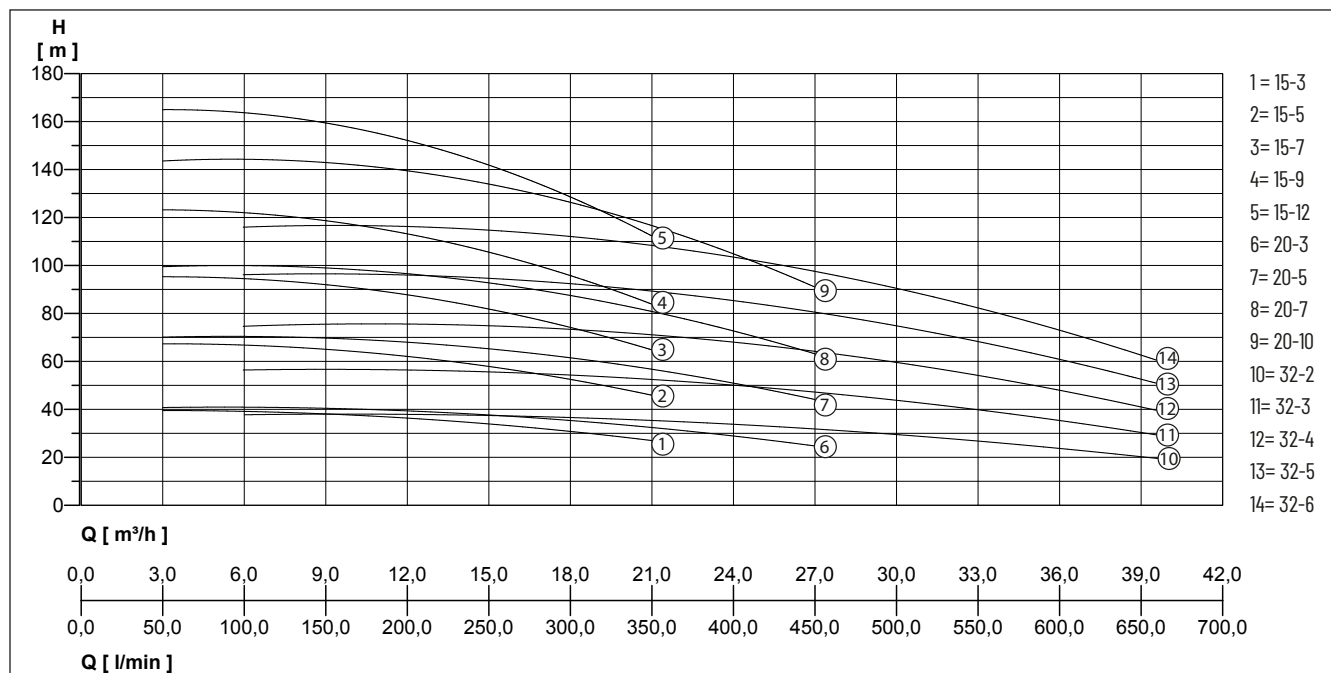
DIMENSIONS [mm]

Type	Fig.	A	B	C	D	L	DN
CPS3-10 PVM 5-5 F	1	366	132		141	601	32
CPS3-10 PVM 5-8 F	1	447	132		141	682	32
CPS3-10 PVM 5-11 F	1	544	155		180	811	32
CPS3-10 PVM 5-14 F	1	625	155		180	892	32
CPS3-10 PVM 5-16 F	1	679	155		180	946	32
CPS3-10 PVM 5-18 F	2	737	274	145	196	1058	32
CPS3-10 PVM 5-22 F	2	845	286	161	225	1173	32
CPS3-10 PVM 5-24 F	2	899	286	161	225	1227	32
CPS3-10 PVM 10-3 F	1	377	132		141	612	40
CPS3-10 PVM 10-4 F	1	423	155		180	690	40
CPS3-10 PVM 10-6 F	1	483	155		180	750	40
CPS3-10 PVM 10-8	2	548	274	145	196	869	40
CPS3-10 PVM 10-10	2	608	286	161	225	936	40
CPS3-10 PVM 10-12	2	668	286	161	225	996	40
CPS3-10 PVM 10-14	2	760	306	195	248	1125	40
CPS3-10 PVM 10-16	2	820	306	195	248	1185	40

CPS3-10/PVM 15 PVM 32

FREQUENCY CONVERTER - THREE PHASE

PERFORMANCE



Type	Flow rate Q [m³/h]	0	3	6	9	12	15	18	21	24	27	30	36	39.6
CPS3-10 PVM 15-3	Delivery head H [m]	39.8	39.6	39.2	37.8	36.3	34.1	31.0	26.8					
CPS3-10 PVM 15-5		68.0	67.4	66.9	64.7	62.0	58.1	52.7	45.7					
CPS3-10 PVM 15-7		96.2	95.3	94.7	91.6	87.7	82.0	74.4	64.6					
CPS3-10 PVM 15-9		124.0	123.2	122.4	118.0	113.0	106.0	96.0	83.6					
CPS3-10 PVM 15-12		167.0	165.0	163.9	159.0	152.0	142.0	129.0	112.0					
CPS3-10 PVM 20-3		41.8	41.2	40.8	39.9	39.1	37.5	35.6	33.0	29.3	24.1			
CPS3-10 PVM 20-5		71.6	70.7	70.3	69.0	67.7	64.9	61.7	57.2	52.4	42.8			
CPS3-10 PVM 20-7		101.0	100.3	99.7	98.0	96.3	92.4	87.7	81.3	74.6	61.5			
CPS3-10 PVM 20-10		146.0	144.6	144.0	141.6	139.0	133.6	127.0	117.6	106.0	89.5			
CPS3-10 PVM 32-2		39.2		38.0		37.7		36.2		33.8		29.8	24.2	19.0
CPS3-10 PVM 32-3		58.7		58.0		57.4		55.0		51.5		45.5	37.2	30.0
CPS3-10 PVM 32-4		78.2		76.0		77.1		73.9		69.2		61.2	50.3	40.0
CPS3-10 PVM 32-5		97.8		98.0		96.8		92.7		86.8		76.9	63.3	51.0
CPS3-10 PVM 32-6		117.0		118.0		117.0		112.0		105.0		92.6	76.3	60.0

CPS3-10/PVM 15 PVM 32

Type	Code No.	Motor rating P2	Current	Impeller	Pump housing	Temperature of the liquid max.	Weight
CPS3-10 PVM 15-3	N4800480	3.0 kW	5.1 A	Stainless steel 1.4301; AISI 304	Cast iron EN GJL 200	120 °C	70 kg
CPS3-10 PVM 15-5	N4800490	4.0 kW	8.5 A	Stainless steel 1.4301; AISI 304	Cast iron EN GJL 200	120 °C	76 kg
CPS3-10 PVM 15-7	N4800500	5.5 kW	12.0 A	Stainless steel 1.4301; AISI 304	Cast iron EN GJL 200	120 °C	109 kg
CPS3-10 PVM 15-9	N4800510	7.5 kW	15.0 A	Stainless steel 1.4301; AISI 304	Cast iron EN GJL 200	120 °C	118 kg
CPS3-10 PVM 15-12	N4800520	11.0 kW	20.0 A	Stainless steel 1.4301; AISI 304	Cast iron EN GJL 200	120 °C	158 kg
CPS3-10 PVM 20-3	N4800540	4.0 kW	8.5 A	Stainless steel 1.4301; AISI 304	Cast iron EN GJL 200	120 °C	73 kg
CPS3-10 PVM 20-5	N4800550	5.5 kW	11.9 A	Stainless steel 1.4301; AISI 304	Cast iron EN GJL 200	120 °C	106 kg
CPS3-10 PVM 20-7	N4800560	7.5 kW	15.3 A	Stainless steel 1.4301; AISI 304	Cast iron EN GJL 200	120 °C	115 kg
CPS3-10 PVM 20-10	N4800570	11.0 kW	20.4 A	Stainless steel 1.4301; AISI 304	Cast iron EN GJL 200	120 °C	155 kg
CPS3-10 PVM 32-2	N4800580	4.0 kW	7.1 A	Stainless steel 1.4301; AISI 304	Cast iron EN GJL 200	120 °C	93 kg
CPS3-10 PVM 32-3	N4800590	5.5 kW	10.7 A	Stainless steel 1.4301; AISI 304	Cast iron EN GJL 200	120 °C	115 kg
CPS3-10 PVM 32-4	N4800600	7.5 kW	14.3 A	Stainless steel 1.4301; AISI 304	Cast iron EN GJL 200	120 °C	125 kg
CPS3-10 PVM 32-5	N4800610	11.0 kW	17.8 A	Stainless steel 1.4301; AISI 304	Cast iron EN GJL 200	120 °C	168 kg
CPS3-10 PVM 32-6	N4800620	11.0 kW	21.4 A	Stainless steel 1.4301; AISI 304	Cast iron EN GJL 200	120 °C	171 kg

CPS3-10/PVM 15 PVM 32

FREQUENCY CONVERTER - THREE PHASE

Fig. 1

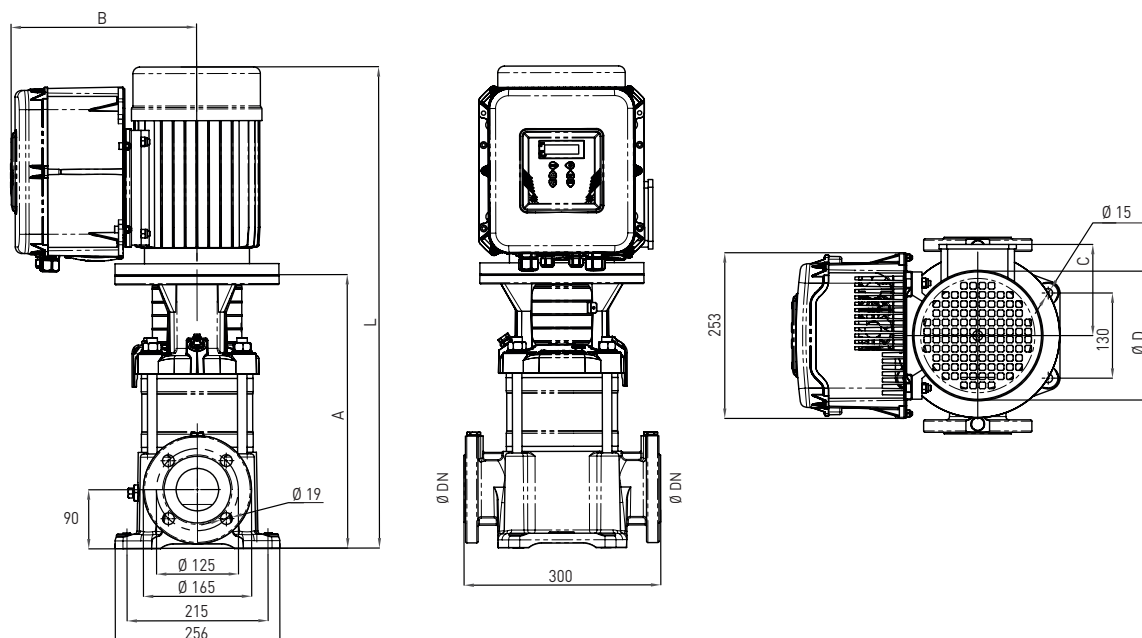
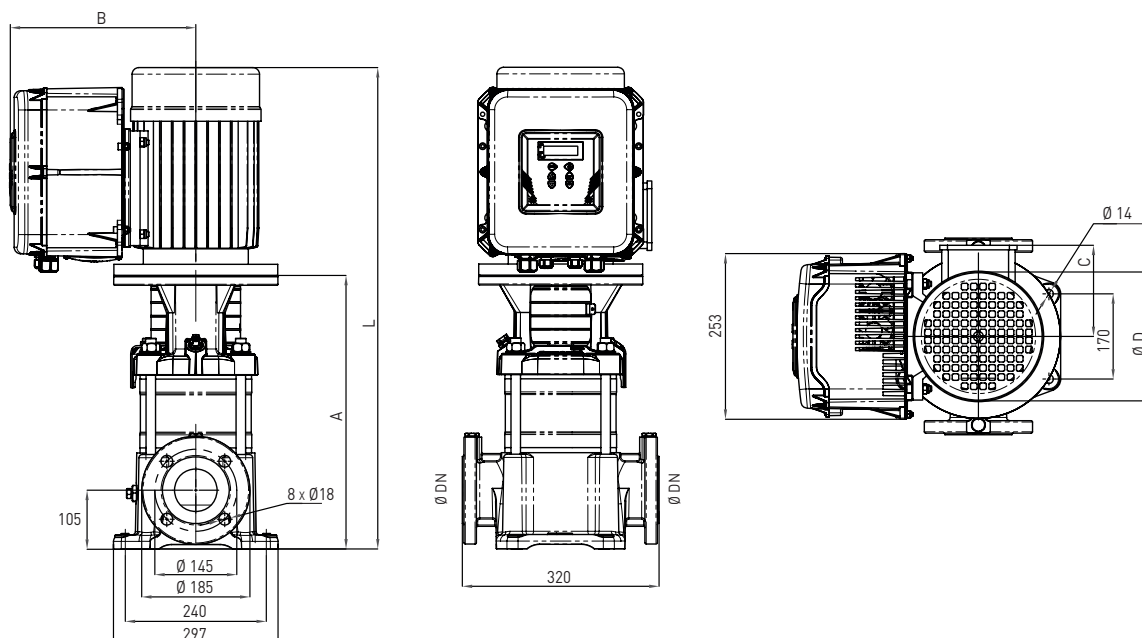


Fig. 2



CPS3-10/PVM 15 PVM 32

FREQUENCY CONVERTER - THREE PHASE

DIMENSIONS [mm]

Type	Fig.	A	B	C	D	L	DN
CPS3-10 PVM 15-3	1	465	274	145	196	786	50
CPS3-10 PVM 15-5	1	555	286	161	225	883	50
CPS3-10 PVM 15-7	1	677	306	195	248	1042	50
CPS3-10 PVM 15-9	1	767	306	195	248	1152	50
CPS3-10 PVM 15-12	1	979	334	238	317	1477	50
CPS3-10 PVM 20-3	1	465	286	161	225	793	50
CPS3-10 PVM 20-5	1	587	306	195	248	952	50
CPS3-10 PVM 20-7	1	677	306	195	248	1062	50
CPS3-10 PVM 20-10	1	889	334	238	317	1387	50
CPS3-10 PVM 32-2	2	574	286	161	225	902	65
CPS3-10 PVM 32-3	2	644	306	195	248	1009	65
CPS3-10 PVM 32-4	2	714	306	195	248	1099	65
CPS3-10 PVM 32-5	2	894	334	238	317	1392	65
CPS3-10 PVM 32-6	2	964	334	238	317	1462	65

SECTION 2

SURFACE PUMPS



JET

SURFACE PUMPS - SELF PRIMING

PAG. 47



CM

SURFACE PUMPS - HORIZONTAL
SINGLE STAGE

PAG. 75



JETINOX

SURFACE PUMPS - SELF PRIMING

PAG. 51



CB

SURFACE PUMPS - HORIZONTAL
TWO - STAGE

PAG. 77



MULTI EVO - A

SURFACE PUMPS - SELF PRIMING

PAG. 55



MULTINOX-VE+

SURFACE PUMPS - VERTICAL
MULTISTAGE

PAG. 79



SWIMMEY

SURFACE PUMPS - SELF PRIMING

PAG. 59



PVM - PVMI - PVMX

SURFACE PUMPS - VERTICAL
MULTISTAGE

PAG. 83



MULTI EVO

SURFACE PUMPS - HORIZONTAL
MULTISTAGE

PAG. 63



NRM

SURFACE PUMPS - MONOBLOC
NORMALISED MULTISTAGE

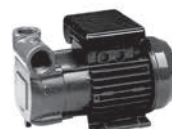
PAG. 111



DHR

SURFACE PUMPS - HORIZONTAL
MULTISTAGE

PAG. 67



PGA-DELTA OIL

SURFACE PUMPS - SPECIAL USE

PAG. 135



DHI

SURFACE PUMPS - HORIZONTAL
MULTISTAGE

PAG. 71



MULTI EVO-SP

SURFACE PUMPS - HORIZONTAL
MULTISTAGE

PAG. 73

ACCESSORIES

PAG. 276

JET

SURFACE PUMPS - SELF-PRIMING

- Sturdy and resistant
- Self-priming
- Excellent priming capacity
- Many possible uses for residential market
- Wide range of performance levels for the residential market



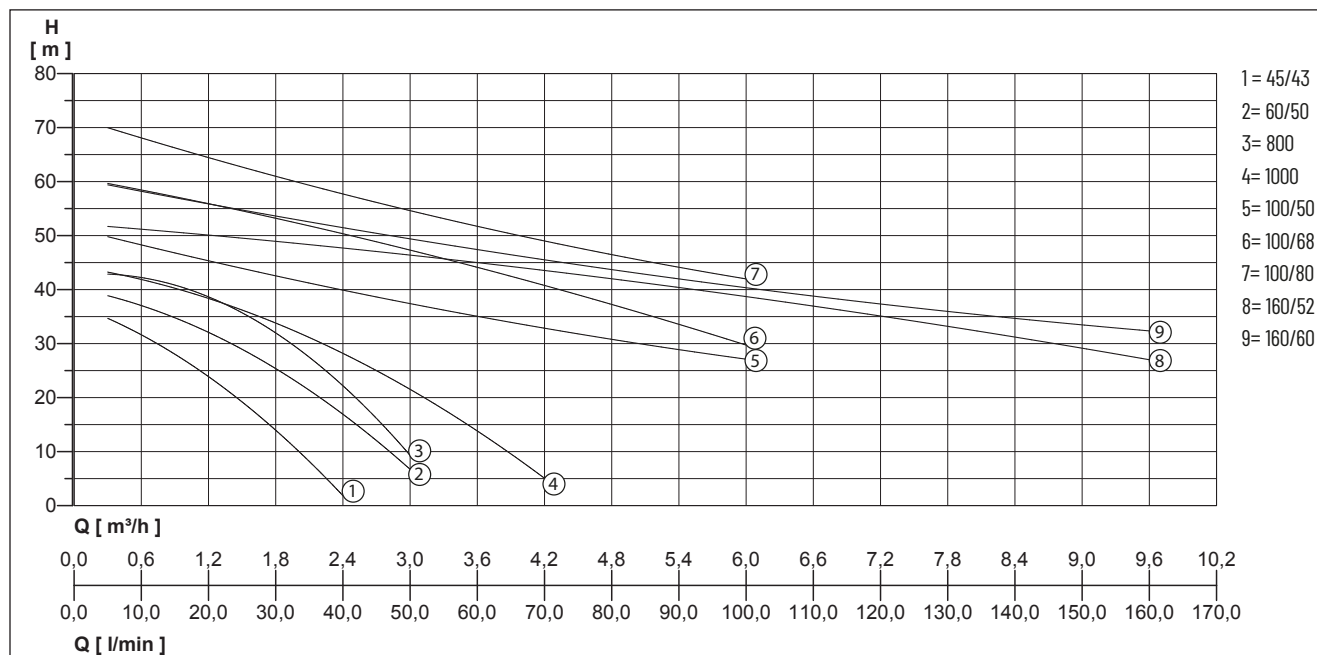
DESCRIPTION

The self-priming pumps in the JET range combine the advantages and practical features of centrifugal pumps with the functionality of self-priming pumps. The Venturi pipe system on these pumps guarantees optimal hydraulic performance and impressive suction capacity, maintaining priming even in the presence of air or gas bubbles trapped in the water.

APPLICATIONS

- Lifting and distribution of water in domestic systems in continuous or intermittent operation
- Pressurization systems
- Washing, garden irrigation, supply to fountains, transfers.
- Lifting from wells or tanks

PERFORMANCE



We reserve the right to change specifications without notice. Pump performance is subject to ISO 9906 ISO 9906:2012 - Grade 3B tolerances.

JET

SURFACE PUMPS - SELF-PRIMING

Type	Flow rate Q [m³/h]	0	0.3	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	6	7.8	9.6
NEWJET 45/43 M	Delivery head H [m]	43.0		30.0	23.0	16.0	1.0							
NEWJET 60/50 M		43.0		36.0	31.0	26.0	18.0	6.0						
JET 800 M/T			44.0		36.0	31.0	27.0	7.0						
JET 1000 M/T			45.0		36.0	32.0	28.0	25.0	15.0	3.0				
JET 100/50 M/T			50.0		45.0		40.0		35.0		31.0	27.0		
JET 100/68 M/T			60.0		55.5		49.0		47.5		34.5	30.5		
JET 100/80 T			70.0		64.3		58.0		51.5		46.5	42.0		
JET 160/52 M/T			52.0		49.5		48.0		45.0		42.0	38.7	33.2	27.0
JET 160/60 T			59.0		55.6		53.0		47.0		43.4	40.0	36.0	32.5

MECHANICAL DATA

Shaft	Stainless steel X 12 CrNiS 1809 (AISI 416)	Type of liquid	clean water without suspended solids or abrasive material
Pump housing	Cast iron EN GJL 200	Temperature of the liquid max.	50 °C
Diffuser	Technopolymer	Suction height max.	8 m
Mechanical seal	Graphite	Gasket	NBR 70 shore
Contourface	Ceramic		

ELECTRICAL DATA

Type of enclosure	IP 44	Rotation speed	2850 rpm
Insulation class	F		

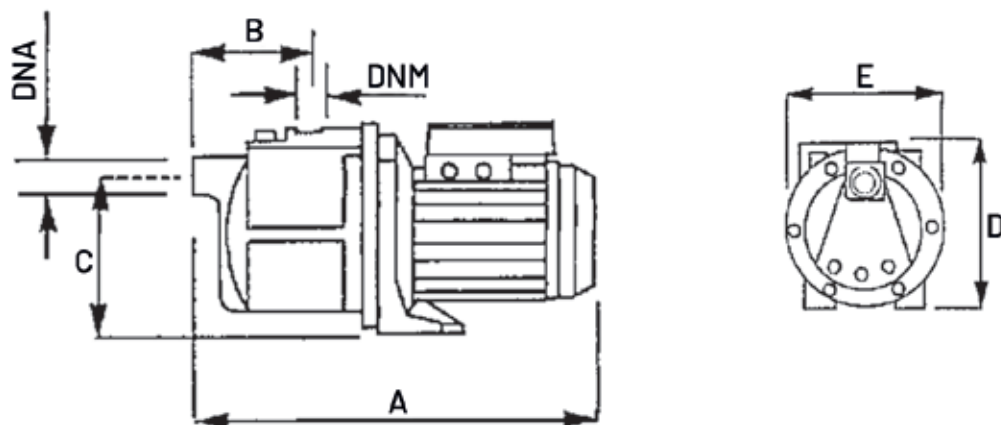
JET

Type	Code No.	Voltage	Motor rating		Current	Motor housing	Weight
			P1	P2			
Operating pressure max.: 6 bar, Impeller: Technopolymer with stainless steel shim ring							
NEWJET 45/43 M	N4176050	1/N/PE~230 V	0.6 kW	0.37 kW	3.0 A	Aluminum	8.2 kg
NEWJET 60/50 M	N4176580	1/N/PE~230 V	0.8 kW	0.35 kW	4.0 A	Aluminum	9.0 kg
Operating pressure max.: 6 bar, Impeller: Technopolymer/Moulded brass alloy							
JET 800 M	N4176550	1/N/PE~230 V	1.0 kW	0.75 kW	4.5 A	Cast iron EN GJL 200	14.2 kg
JET 800 T	N4176560	3/PE~230/400 V	1.0 kW	0.75 kW	3.6 A/2.1 A	Cast iron EN GJL 200	14.2 kg
JET 1000 M	N4173010	1/N/PE~230 V	1.1 kW	1.00 kW	5.0 A	Cast iron EN GJL 200	16.8 kg
JET 1000 T	N4173020	3/PE~230/400 V	1.1 kW	1.00 kW	3.8 A/2.2 A	Cast iron EN GJL 200	16.8 kg
Operating pressure max.: 10 bar, Impeller: Moulded brass alloy							
JET 100/50 M	N4175010	1/N/PE~230 V	1.7 kW	1.10 kW	8.1 A	Cast iron EN GJL 200	25.5 kg
JET 100/50 T	N4175020	3/PE~230/400 V	1.8 kW	1.10 kW	5.5 A/3.2 A	Cast iron EN GJL 200	25.5 kg
JET 100/68 M	N4175030	1/N/PE~230 V	2.1 kW	1.50 kW	9.8 A	Cast iron EN GJL 200	26.6 kg
JET 100/68 T	N4175040	3/PE~230/400 V	2.8 kW	1.50 kW	5.5 A/3.2 A	Cast iron EN GJL 200	26.6 kg
JET 100/80 T	N4175050	3/PE~230/400 V	2.6 kW	2.20 kW	8.1 A/4.7 A	Cast iron EN GJL 200	28.1 kg
JET 160/52 M	N4175080	1/N/PE~230 V	2.3 kW	1.50 kW	10.5 A	Cast iron EN GJL 200	26.6 kg
JET 160/52 T	N4175090	3/PE~230/400 V	2.1 kW	1.50 kW	6.9 A/4.0 A	Cast iron EN GJL 200	26.6 kg
JET 160/60 T	N4175100	3/PE~230/400 V	2.6 kW	2.20 kW	8.1 A/4.7 A	Cast iron EN GJL 200	28.1 kg

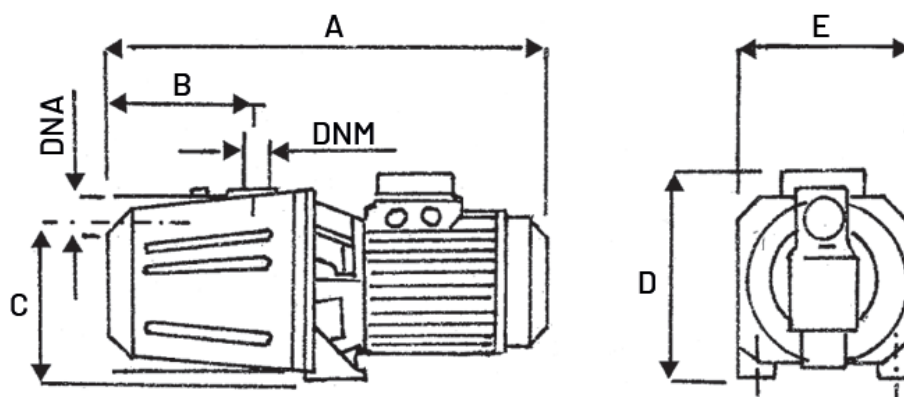
JET

SURFACE PUMPS - SELF-PRIMING

Version NEWJET



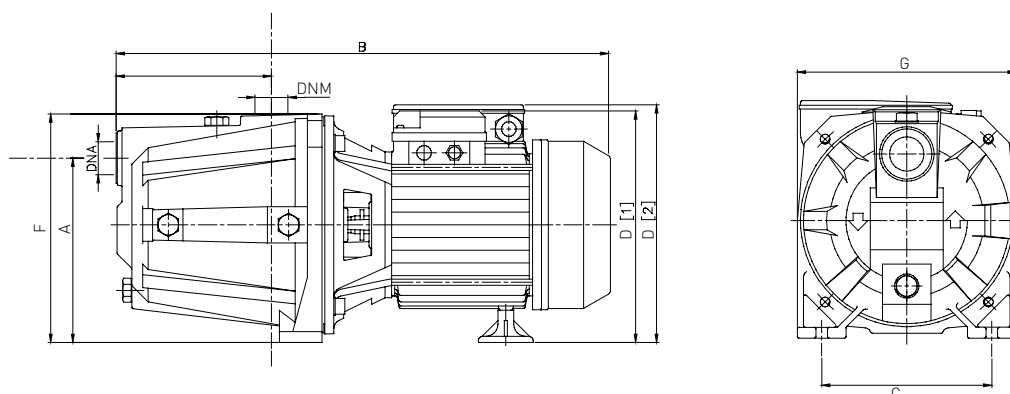
Version 800-1000



JET

SURFACE PUMPS - SELF-PRIMING

Version 100-160



DIMENSIONS [mm]

Type	A	B	C	D	F	G	DNA	DNM	E
NEWJET 45/43 M	351	93	130	180			1"	1"	174
NEWJET 60/50 M	351	93	130	180			1"	1"	174
JET 800 M/T	400	147	160	190			1"	1"	182
JET 1000 M/T	425	147	160	190			1"	1"	182
JET 100/50 M/T	170	508	180	247	223	157	1 1/2"	1"	220
JET 100/68 M/T	170	508	180	247	223	157	1 1/2"	1"	220
JET 100/80 T	170	508	180		223	157	1 1/2"	1"	220
JET 160/52 M/T	170	508	180	247	223	157	1 1/2"	1"	220
JET 160/60 T	170	508	180		223	157	1 1/2"	1"	220

JETINOX

SURFACE PUMPS - SELF-PRIMING

- Self-priming
- Excellent priming capacity
- Stainless steel pump body
- Many possible uses for the residential market
- Quite operation
- Compact dimension



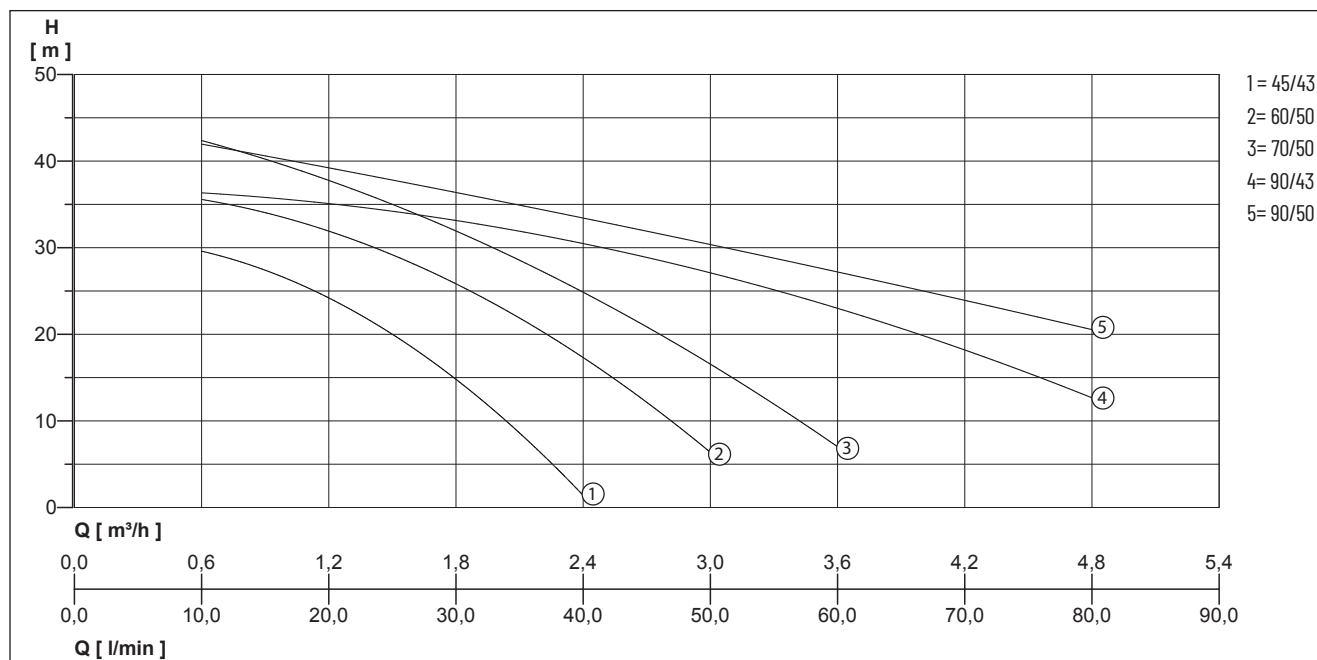
DESCRIPTION

The self-priming pumps in the JETINOX range combine the advantages and practical features of centrifugal pumps with the functionality of self-priming pumps, as well as quality performance. The Venturi pipe system on these pumps guarantees optimal hydraulic performance and impressive suction capacity, maintaining priming even in the presence of air or gas bubbles trapped in the water.

APPLICATIONS

- Lifting and distribution of water in domestic systems in continuous or intermittent operation
- Pressurization systems
- Washing, garden irrigation, supply to fountains, transfers.
- Lifting from wells or tanks

PERFORMANCE



We reserve the right to change specifications without notice. Pump performance is subject to ISO 9906 ISO 9906:2012 - Grade 3B tolerances.

Type	Flow rate Q [m³/h]	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8
JETINOX 45/43 M	Delivery head H [m]	43.0	30.0	23.0	16.0	1.0				
JETINOX 60/50 C/M		46.0	36.0	31.0	26.0	18.0	6.0			
JETINOX 70/50 C		48.0	42.5	37.5	32.0	25.0	16.5	7.0		20.0
JETINOX 70/50 M		48.0	42.5	37.5	32.0	25.0	16.5	7.0		10.0
JETINOX 90/43 C/M		43.0	38.0	34.0	32.0	29.0	27.0	25.0	21.0	10.0
JETINOX 90/50 C/M		50.0	42.0	39.0	37.0	33.0	30.0	27.0	25.0	20.0

JETINOX

SURFACE PUMPS - SELF-PRIMING

MECHANICAL DATA

Shaft	Stainless steel X 12 CrNiS 1809 (AISI 416)	Mechanical seal	Graphite
Impeller	Technopolymer with stainless steel shim ring	Contourface	Ceramic
Motor housing	Die-cast aluminium	Operating pressure max.	6 bar
Pump housing	Stainless steel X5 CrNi 1810 (AISI 304)	Type of liquid	clean water without suspended solids or abrasive material
Diffuser	Technopolymer	Temperature of the liquid max.	50 °C
		Suction height max.	8 m
		Gasket	NBR 70 shore

ELECTRICAL DATA

Voltage	1/N/PE~230 V	Ambient temperature max.	40 °C
Type of enclosure	IP 44	Rotation speed	2850 rpm
Insulation class	F		

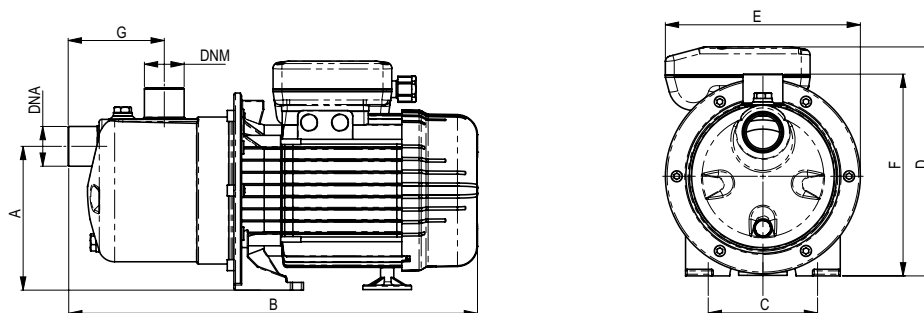
JETINOX

Type	Code No.	Motor rating		Current	Plug	Weight
		P1	P2			
JETINOX 45/43 M	N4176190	0.6 kW	0.37 kW	3.0 A	Without	4.7 kg
JETINOX 60/50 C	N4176910	0.8 kW	0.55 kW	4.0 A	Safety	8.2 kg
JETINOX 60/50 M	N4176570	0.8 kW	0.55 kW	4.0 A	Without	8.2 kg
JETINOX 70/50 C	N4176900	1.0 kW	0.70 kW	4.5 A	Safety	9.5 kg
JETINOX 70/50 M	N4176760	1.0 kW	0.70 kW	4.5 A	Without	9.5 kg
JETINOX 90/43 C	N4176890	1.3 kW	0.75 kW	6.5 A	Safety	11.0 kg
JETINOX 90/43 M	N4176280	1.3 kW	0.75 kW	6.5 A	Without	11.0 kg
JETINOX 90/50 C	N4177020	1.5 kW	0.90 kW	7.0 A	Safety	13.0 kg
JETINOX 90/50 M	N4176500	1.5 kW	0.90 kW	7.0 A	Without	13.0 kg

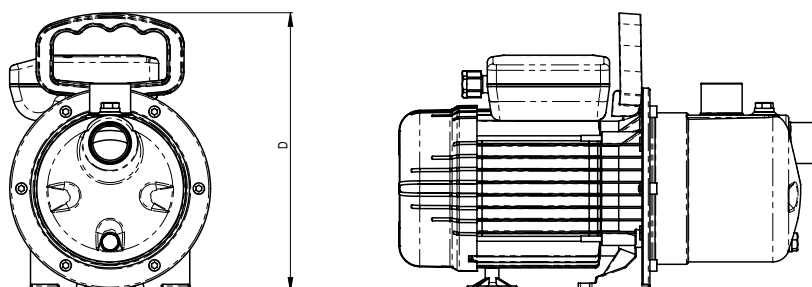
JETINOX

SURFACE PUMPS - SELF-PRIMING

Version M



Version C



DIMENSIONS [mm]

Type	A	B	C	D	F	G	DNA	DNM	E
JETINOX 45/43 M	130	352	100	199	185	87	1"	1"	177
JETINOX 60/50 C	130	370	100	245	185	87	1"	1"	177
JETINOX 60/50 M	130	370	100	207	185	87	1"	1"	177
JETINOX 70/50 C	143	351	100	245	200	76	1"	1"	177
JETINOX 70/50 M	143	351	100	207	200	76	1"	1"	177
JETINOX 90/43 C	158	395	141	275	214	98	1 1/4"	1"	205
JETINOX 90/43 M	158	395	141	207	214	98	1 1/4"	1"	205
JETINOX 90/50 C	158	425	141	275	214	98	1 1/4"	1"	218
JETINOX 90/50 M	158	425	141	230	214	98	1 1/4"	1"	218

JETINOX

SURFACE PUMPS - SELF-PRIMING

MULTI EVO-A

SURFACE PUMPS - SELF-PRIMING

- High reliability - thanks to the durable and innovative design
- Silent operation - improved user comfort thanks to its silent operation
- Compact dimensions
- Many possible uses for the residential market
- Excellent priming capacity



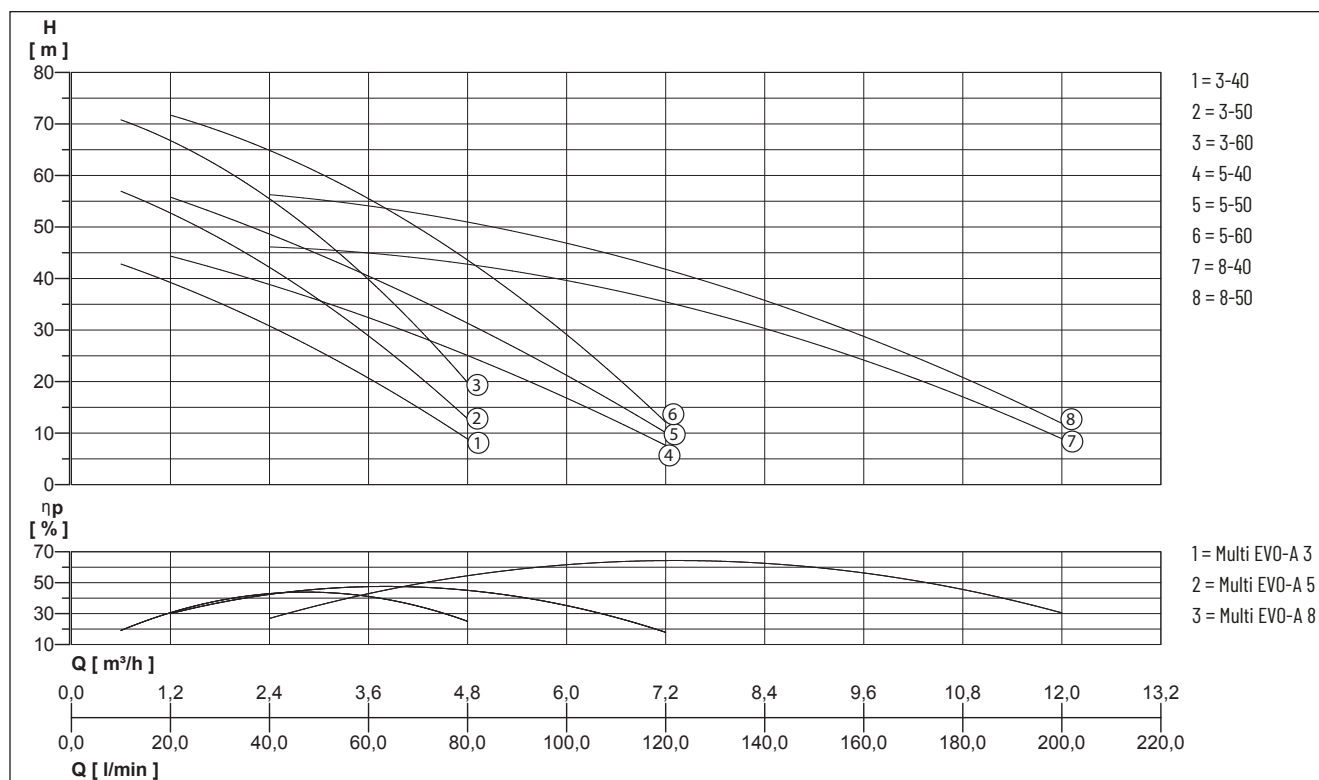
DESCRIPTION

Multi EVO-A is a self-priming multi-stage centrifugal horizontal pump with an inlet with axial thread and an outlet with radial thread. The innovative, high efficiency hydraulic system is connected to a motor of the latest generation with a mechanical seal.

APPLICATIONS

- Pressurization and supply
- Irrigation
- Use of rainwater
- Washing systems

PERFORMANCE



We reserve the right to change specifications without notice. Pump performance is subject to ISO 9906 ISO 9906:2012 - Grade 3B tolerances.

MULTI EVO-A

SURFACE PUMPS - SELF-PRIMING

Type	Flow rate Q [m³/h]	0.6	1.2	1.8	2.4	3	3.6	4.8	6	7.2	8.4	9.6	10.8	12
MULTI EVO-A 3-40 M/M-C/T	Delivery head H [m]	42.5	39.5	35.5	31.0	25.5	20.5	9.0						
MULTI EVO-A 3-50 M/T		56.5	53.0	48.5	42.0	35.5	28.6	13.0						
MULTI EVO-A 3-60 M/T		70.5	67.0	62.0	55.5	48.0	39.5	20.0						
MULTI EVO-A 5-40 M/T			44.5	41.5	39.0	35.5	32.5	25.0	17.0	7.5				
MULTI EVO-A 5-50 M/M-C/T			56.0	52.0	48.5	45.0	40.5	31.0	21.5	10.0				
MULTI EVO-A 5-60 M/T			71.5	68.5	65.0	61.0	55.5	43.5	28.5	12.5				
MULTI EVO-A 8-40 M/T					46.0	46.0	45.0	42.0	40.0	36.0	30.0	24.0	17.0	9.0
MULTI EVO-A 8-50 M/T					56.5	55.0	54.0	51.0	47.0	42.0	36.0	28.0	21.0	12.0

MECHANICAL DATA

Shaft	Stainless steel Europe: EN10088-1 X5CrNi18-10 (1.4301) USA: AISI 304	Diffuser	PPO reinforced with fibreglass
Impeller	PPO reinforced with fibreglass	Mechanical seal	Carbon graphite / NBR / SS
Motor housing	Die-cast aluminium	Contourface	Ceramic / NBR
Pump housing	Stainless steel Europe: EN10088-1 X 5 CrNi 1810 (1.4301) USA: AISI 304	Operating pressure max.	8 bar
		Type of liquid	clean water without suspended solids or abrasive material
		Temperature of the liquid max.	50 °C
		Gasket	NBR 70 Shore A

ELECTRICAL DATA

Type of enclosure	IP 55	Ambient temperature max.	40 °C
Insulation class	F	Rotation speed	2850 rpm

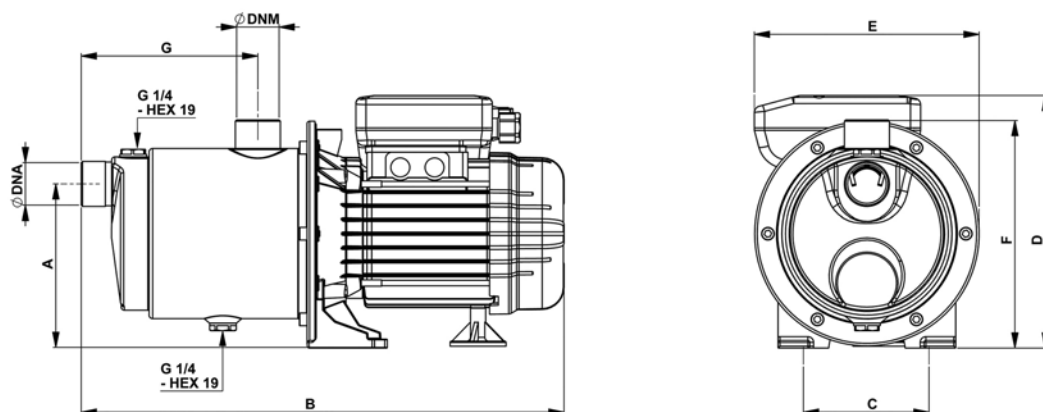
MULTI EVO-A

Type	Code No.	Voltage	Motor rating		Current	Plug	Weight
			P1	P2			
MULTI EVO-A 3-40 M	N4502140	1/N/PE~230 V	0.80 kW	0.51 kW	3.70 A	Without	7.3 kg
MULTI EVO-A 3-40 M-C	N4502141	1/N/PE~230 V	0.80 kW	0.51 kW	3.70 A	Safety	7.3 kg
MULTI EVO-A 3-40 T	N4502240	3/PE~230/400 V	0.78 kW	0.53 kW	2.70 A/1.55 A	Without	7.6 kg
MULTI EVO-A 3-50 M	N4502150	1/N/PE~230 V	1.00 kW	0.70 kW	4.40 A	Without	9.3 kg
MULTI EVO-A 3-50 T	N4502250	3/PE~230/400 V	1.00 kW	0.70 kW	3.30 A/1.90 A	Without	9.3 kg
MULTI EVO-A 3-60 M	N4502160	1/N/PE~230 V	1.25 kW	0.90 kW	5.70 A	Without	10.8 kg
MULTI EVO-A 3-60 T	N4502260	3/PE~230/400 V	1.17 kW	0.82 kW	3.50 A/2.00 A	Without	10.8 kg
MULTI EVO-A 5-40 M	N4504140	1/N/PE~230 V	1.10 kW	0.75 kW	4.70 A	Without	9.0 kg
MULTI EVO-A 5-40 T	N4504240	3/PE~230/400 V	1.10 kW	0.75 kW	3.40 A/2.00 A	Without	9.0 kg
MULTI EVO-A 5-50 M	N4504150	1/N/PE~230 V	1.35 kW	0.95 kW	6.20 A	Without	10.6 kg
MULTI EVO-A 5-50 M-C	N4504151	1/N/PE~230 V	1.35 kW	0.95 kW	6.20 A	Safety	10.6 kg
MULTI EVO-A 5-50 T	N4504250	3/PE~230/400 V	1.25 kW	0.90 kW	3.70 A/2.10 A	Without	11.0 kg
MULTI EVO-A 5-60 M	N4504160	1/N/PE~230 V	1.65 kW	1.20 kW	7.50 A	Without	13.5 kg
MULTI EVO-A 5-60 T	N4504260	3/PE~230/400 V	1.57 kW	1.20 kW	5.30 A/3.10 A	Without	13.5 kg
MULTI EVO-A 8-40 M	N4507140	1/N/PE~230 V	1.66 kW	1.20 kW	7.70 A	Without	13.5 kg
MULTI EVO-A 8-40 T	N4507240	3/PE~230/400 V	1.50 kW	1.18 kW	5.00 A/2.95 A	Without	13.5 kg
MULTI EVO-A 8-50 M	N4507150	1/N/PE~230 V	2.00 kW	1.40 kW	9.00 A	Without	14.5 kg
MULTI EVO-A 8-50 T	N4507250	3/PE~230/400 V	1.95 kW	1.40 kW	6.70 A/4.00 A	Without	14.5 kg

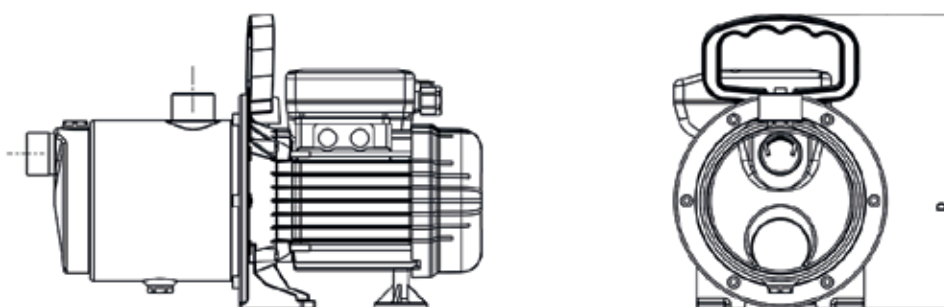
MULTI EVO-A

SURFACE PUMPS - SELF-PRIMING

Version 3-5



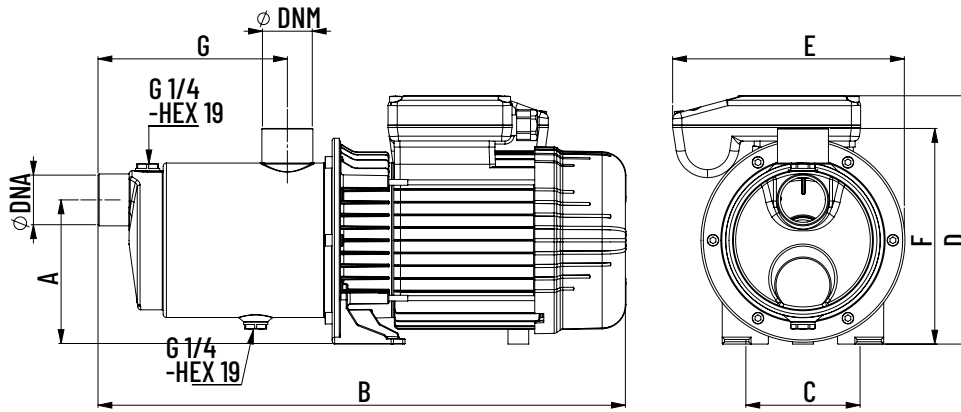
Version *C



MULTI EVO-A

SURFACE PUMPS - SELF-PRIMING

Version 8



DIMENSIONS [mm]

Type	A	B	C	D	F	G	DNA	DNM	E
MULTI EVO-A 3-40 M/T	129	380	100	199	180	139	1"	1"	177
MULTI EVO-A 3-40 M-C	129	380	100	245	180	139	1"	1"	177
MULTI EVO-A 3-50 M/T	129	422	100	207	180	162	1"	1"	177
MULTI EVO-A 3-60 M/T	129	422	100	207	180	162	1"	1"	177
MULTI EVO-A 5-40 M/T	129	400	100	207	180	139	1"	1"	177
MULTI EVO-A 5-50 M/T	129	422	100	207	180	162	1"	1"	177
MULTI EVO-A 5-50 M-C	129	422	100	245	180	162	1"	1"	177
MULTI EVO-A 5-60 M	129	457	100	215	180	162	1"	1"	203
MULTI EVO-A 5-60 T	129	457	100	215	180	162	1"	1"	177
MULTI EVO-A 8-40 M	125	457	100	215	187	164	1 1/4"	1 1/4"	203
MULTI EVO-A 8-40 T	125	457	100	215	187	164	1 1/4"	1 1/4"	177
MULTI EVO-A 8-50 M	125	457	100	215	187	164	1 1/4"	1 1/4"	203
MULTI EVO-A 8-50 T	125	457	100	215	187	164	1 1/4"	1 1/4"	177

SWIMMEY

SURFACE PUMPS - SELF-PRIMING

- High hydraulic performances
- Excellent priming capacity
- Wide range of performance levels for the residential market
- Sturdy and resistant



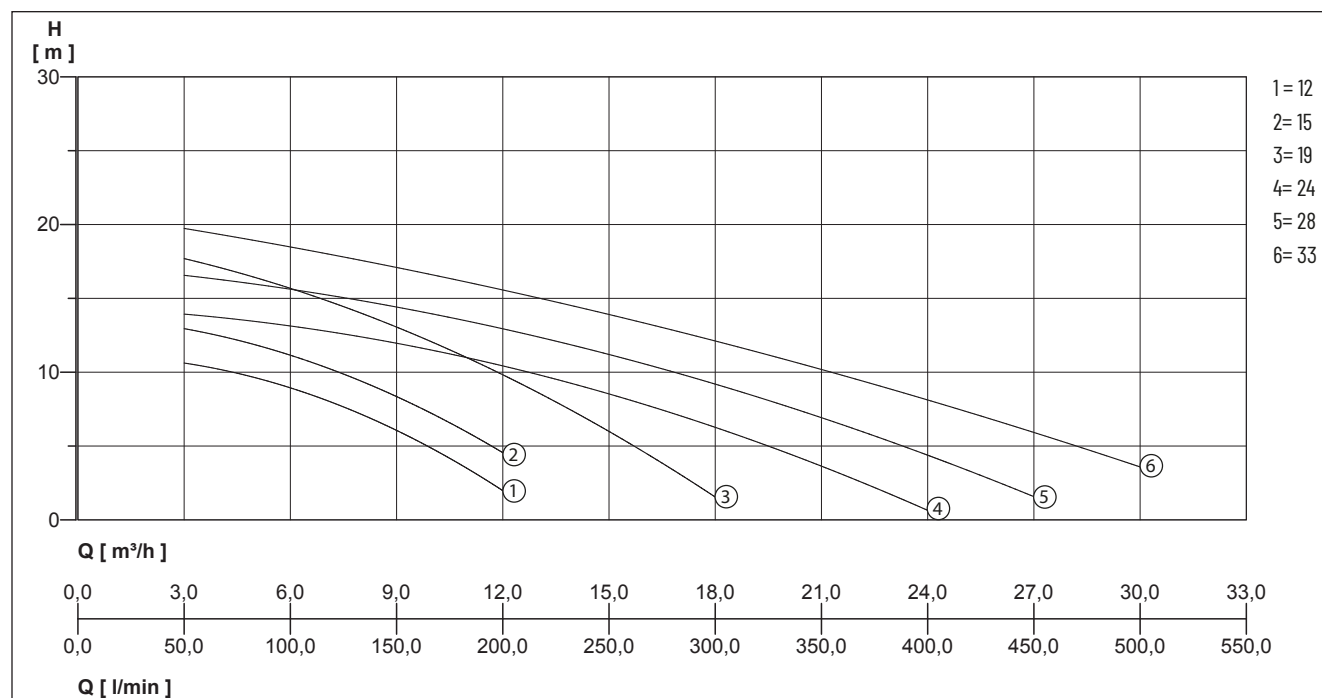
DESCRIPTION

The SWIMMEY series pumps are designed to achieve maximum reliability regarding filtering in the recirculation of water treated with chlorine.

APPLICATIONS

- Recirculation and filtration of water for swimming pools and basins.

PERFORMANCE



We reserve the right to change specifications without notice. Pump performance is subject to ISO 9906 ISO 9906:2012 - Grade 3B tolerances.

Type	Flow rate Q [m³/h]	6	9	12	18	21	24	27	30
SWIMMEY 12 M/T	Delivery head H [m]	9.0	6.0	2.0					
SWIMMEY 15 M/T		11.0	8.5	4.5					
SWIMMEY 19 M/T		15.5	13.0	10.0	1.5				
SWIMMEY 24 M/T		13.0	12.0	10.5	6.0	4.0	0.5		
SWIMMEY 28 M/T		15.5	14.5	13.0	9.0	7.0	4.5	1.5	
SWIMMEY 33 M/T		18.5	17.0	15.5	12.0	10.5	8.0	6.0	3.5

SWIMMEY

SURFACE PUMPS - SELF-PRIMING

MECHANICAL DATA

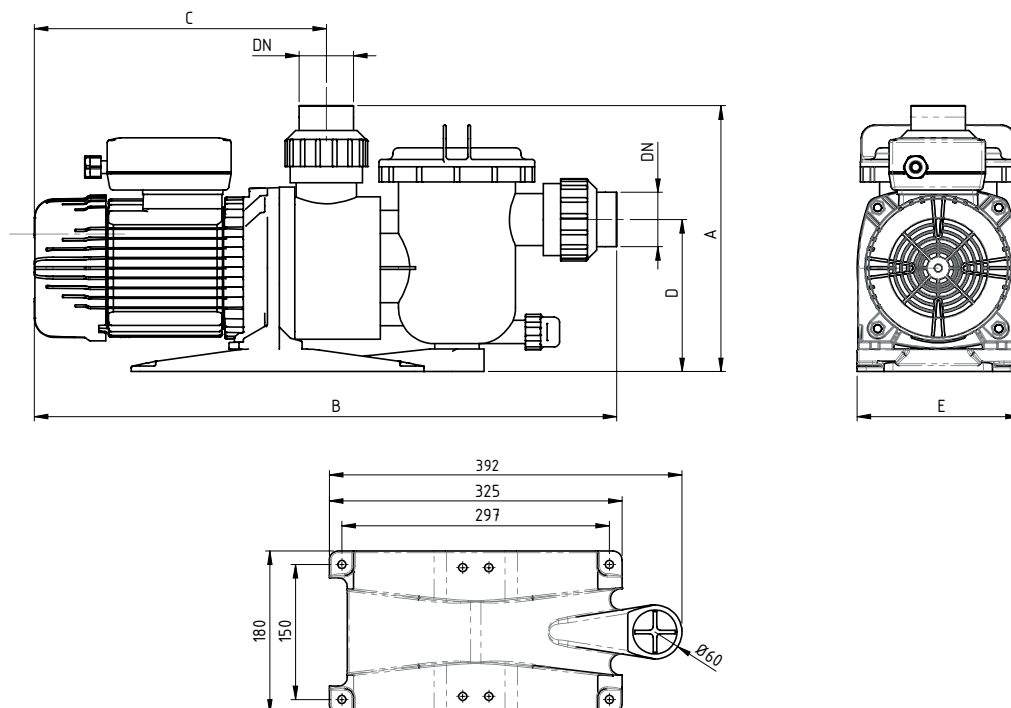
Bearing	Self-lubricating ball bearings.	Mechanical seal	Graphite
Shaft	in stainless steel with insulating element	Contourface	Ceramic
Impeller	Made of fibreglass reinforced Lexan (resistant to sand abrasion)	Operating pressure max.	2.5 bar
Pump housing	ABS	Type of liquid	swimming pool water treated with chlorine
Diffuser	Made of fibreglass reinforced Lexan (resistant to sand abrasion)	Temperature of the liquid max.	40 °C
		Suction height max.	3 m

ELECTRICAL DATA

Type of enclosure	IP X5	Ambient temperature max.	40 °C
Insulation class	F	Rotation speed	2850 rpm

SWIMMEY

Type	Code No.	Voltage	Motor rating		Current	Weight
			P1	P2		
SWIMMEY 12 M	N7241230	1/N/PE~230 V	0.55 kW	0.37 kW	2.5 A	8.0 kg
SWIMMEY 12 T	N7241290	3/N/PE~400 V	0.55 kW	0.37 kW	1.7 A/1.0 A	8.0 kg
SWIMMEY 15 M	N7241240	1/N/PE~230 V	0.70 kW	0.50 kW	3.0 A	8.5 kg
SWIMMEY 15 T	N7241300	3/N/PE~400 V	0.70 kW	0.50 kW	2.2 A/1.3 A	8.5 kg
SWIMMEY 19 M	N7241250	1/N/PE~230 V	1.10 kW	0.75 kW	5.0 A	10.2 kg
SWIMMEY 19 T	N7241310	3/N/PE~400 V	1.10 kW	0.75 kW	3.3 A/1.9 A	10.2 kg
SWIMMEY 24 M	N7241260	1/N/PE~230 V	1.10 kW	0.75 kW	4.8 A	11.0 kg
SWIMMEY 24 T	N7241320	3/N/PE~400 V	1.10 kW	0.75 kW	3.0 A/1.7 A	11.0 kg
SWIMMEY 28 M	N7241270	1/N/PE~230 V	1.50 kW	1.13 kW	7.0 A	13.0 kg
SWIMMEY 28 T	N7241330	3/N/PE~400 V	1.50 kW	1.13 kW	4.1 A/2.4 A	13.0 kg
SWIMMEY 33 M	N7241280	1/N/PE~230 V	1.90 kW	1.50 kW	8.5 A	14.5 kg
SWIMMEY 33 T	N7241340	3/N/PE~400 V	1.90 kW	1.50 kW	6.0 A/3.6 A	14.5 kg



SWIMMEY

SURFACE PUMPS - SELF-PRIMING

DIMENSIONS [mm]

Type	A	B	C	D	F	DN	E
SWIMMEY 12 M/T	293	210	582	180	318	50	280
SWIMMEY 15 M/T	293	210	582	180	318	50	280
SWIMMEY 19 M/T	293	210	610	180	318	50	280
SWIMMEY 24 M/T	293	210	610	180	318	50	280
SWIMMEY 28 M/T	293	210	635	180	318	50	280
SWIMMEY 33 M/T	293	210	635	180	318	50	280

SWIMMEY

SURFACE PUMPS - SELF-PRIMING

MULTI EVO

SURFACE PUMPS - HORIZONTAL MULTISTAGE

- Low energy consumption thanks to the highly efficient hydraulic system
- High efficiency
- High reliability - thanks to the durable and innovative design
- Silent operation - improved user comfort thanks to its silent operation
- Compact dimensions
- Wide range



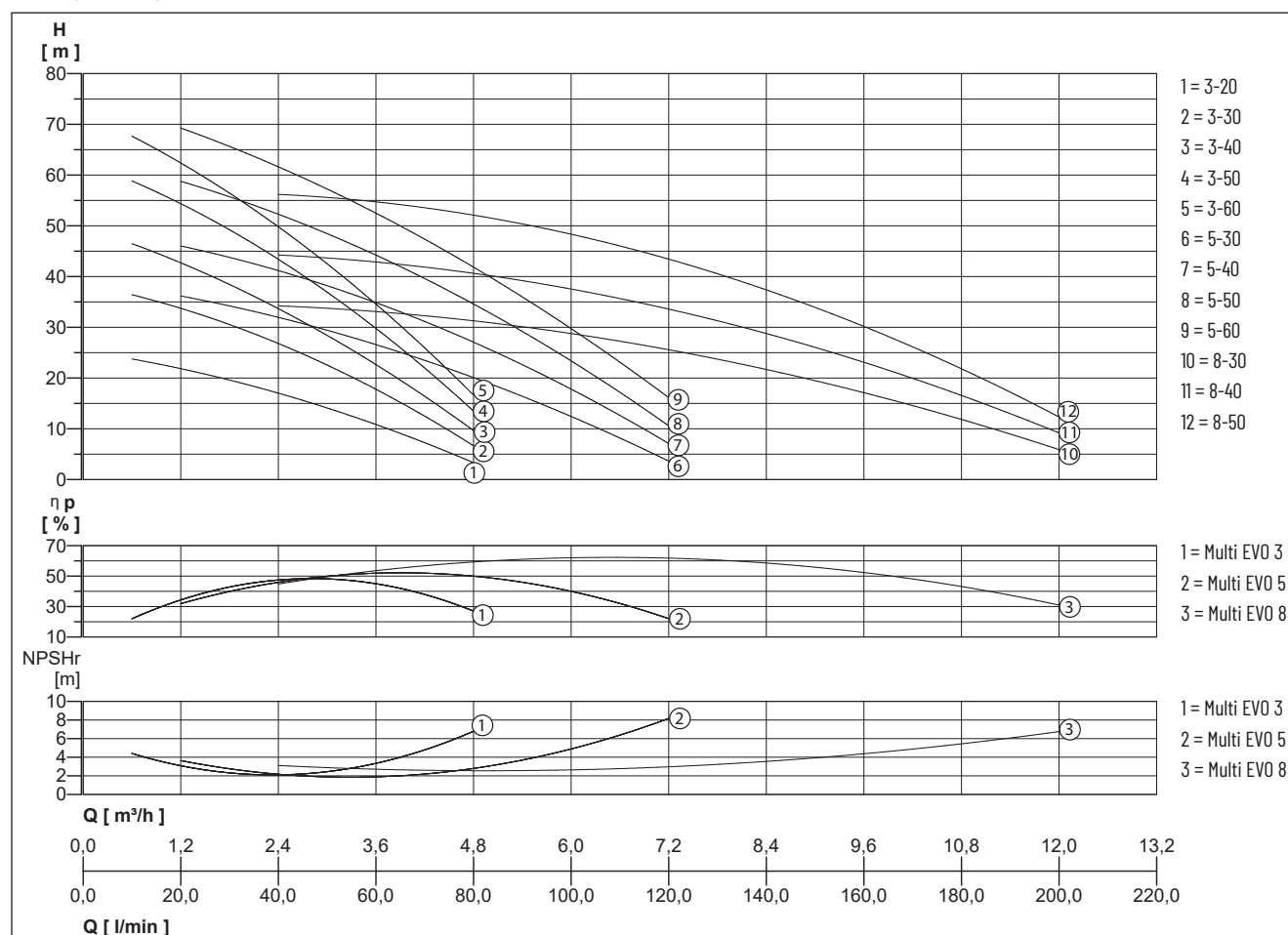
DESCRIPTION

Multi EVO is a multi-stage centrifugal horizontal pump with an inlet with axial thread and an outlet with radial thread. The innovative, high efficiency hydraulic system is connected to a motor of the latest generation with a mechanical seal.

APPLICATIONS

- Pressurization and supply
- Irrigation
- Use of rainwater
- Washing systems

PERFORMANCE



We reserve the right to change specifications without notice. Pump performance is subject to ISO 9906 ISO 9906:2012 - Grade 3B tolerances.

MULTI EVO

SURFACE PUMPS - HORIZONTAL MULTISTAGE

Type	Flow rate Q [m³/h]	0.6	1.2	1.8	2.4	3	3.6	4.8	6	7.2	8.4	9.6	10.8	12
MULTI EVO 3-30 M/T	Delivery head H [m]	36.0	34.0	31.0	27.0	22.5	17.0	7.0						
MULTI EVO 3-40 M/T		46.0	43.0	39.0	34.0	28.0	22.0	10.0						
MULTI EVO 3-50 M/T		58.0	55.0	50.0	44.0	36.0	29.0	14.0						
MULTI EVO 3-60 M/T		67.0	62.0	57.0	50.0	42.0	34.0	17.0						
MULTI EVO 5-30 M/T			36.0	34.0	32.0	30.0	27.0	19.5	12.0	4.0				
MULTI EVO 5-40 M/T			46.0	44.0	41.0	38.0	35.0	27.0	18.0	7.0				
MULTI EVO 5-50 M/T			58.0	56.0	53.0	49.0	44.0	34.0	23.0	11.0				
MULTI EVO 5-60 M/T			69.0	66.0	62.0	57.0	52.0	42.0	30.0	16.0				
MULTI EVO 8-30 M/T					34.0		33.5	31.0	29.0	25.5	22.0	16.5	12.0	6.0
MULTI EVO 8-40 M/T					44.5		42.5	40.5	37.5	34.0	29.0	23.0	16.0	9.5
MULTI EVO 8-50 M/T					56.5		54.5	51.5	48.5	44.0	37.5	30.0	21.5	12.5

MECHANICAL DATA

Impeller	PPO reinforced with fibreglass	Operating pressure max.	8 bar
Motor housing	Die-cast aluminium	Type of liquid	clean water without suspended solids or abrasive material
Diffuser	PPO reinforced with fibreglass	Temperature of the liquid max.	50 °C
Mechanical seal	Carbon graphite / NBR / SS	Suction height max.	6 m
Contourface	Ceramic / NBR	Gasket	NBR 70 Shore A

ELECTRICAL DATA

Type of enclosure	IP 55	Ambient temperature max.	40 °C
Insulation class	F	Rotation speed	2850 rpm

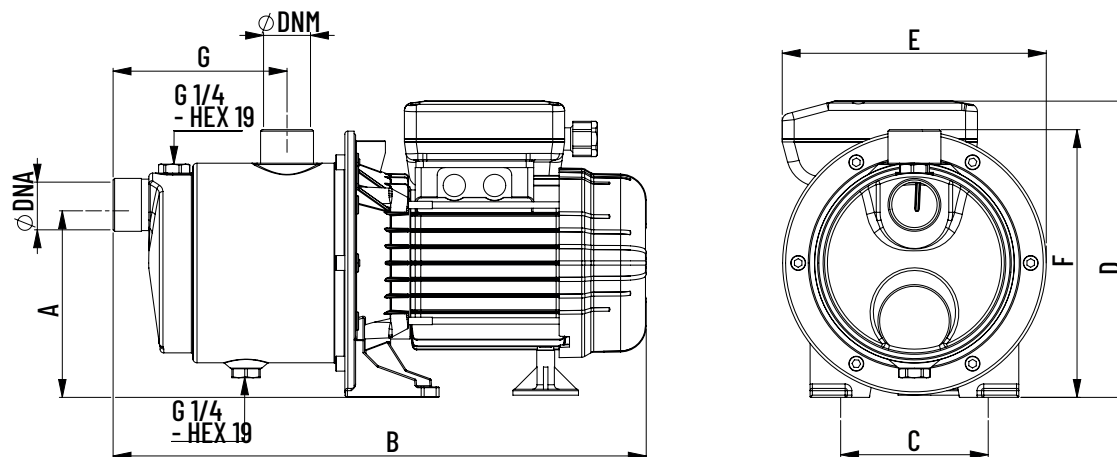
MULTI EVO

Type	Code No.	Voltage	Motor rating		Current	Weight
			P1	P2		
MULTI EVO 3-30 M	N4252130	1/N/PE~230 V	0.65 kW	0.40 kW	2.95 A	6.7 kg
MULTI EVO 3-30 T	N4252230	3/PE~230/400 V	0.65 kW	0.40 kW	2.30 A/1.30 A	6.7 kg
MULTI EVO 3-40 M	N4252140	1/N/PE~230 V	0.80 kW	0.55 kW	3.70 A	7.1 kg
MULTI EVO 3-40 T	N4252240	3/PE~230/400 V	0.78 kW	0.53 kW	2.70 A/1.55 A	7.1 kg
MULTI EVO 3-50 M	N4252150	1/N/PE~230 V	1.00 kW	0.70 kW	4.40 A	9.1 kg
MULTI EVO 3-50 T	N4252250	3/PE~230/400 V	1.00 kW	0.70 kW	3.30 A/1.90 A	9.1 kg
MULTI EVO 3-60 M	N4252160	1/N/PE~230 V	1.25 kW	0.90 kW	5.80 A	10.8 kg
MULTI EVO 3-60 T	N4252260	3/PE~230/400 V	1.17 kW	0.82 kW	3.50 A/2.00 A	10.8 kg
MULTI EVO 5-30 M	N4254130	1/N/PE~230 V	0.80 kW	0.55 kW	3.70 A	7.1 kg
MULTI EVO 5-30 T	N4254230	3/PE~230/400 V	0.78 kW	0.53 kW	2.70 A/1.55 A	7.1 kg
MULTI EVO 5-40 M	N4254140	1/N/PE~230 V	1.10 kW	0.75 kW	4.70 A	8.8 kg
MULTI EVO 5-40 T	N4254240	3/PE~230/400 V	1.10 kW	0.75 kW	3.50 A/2.00 A	8.8 kg
MULTI EVO 5-50 M	N4254150	1/N/PE~230 V	1.35 kW	0.95 kW	6.20 A	10.4 kg
MULTI EVO 5-50 T	N4254250	3/PE~230/400 V	1.25 kW	0.90 kW	3.70 A/2.10 A	10.4 kg
MULTI EVO 5-60 M	N4254160	1/N/PE~230 V	1.65 kW	1.20 kW	7.50 A	13.5 kg
MULTI EVO 5-60 T	N4254260	3/PE~230/400 V	1.57 kW	1.20 kW	5.30 A/3.10 A	13.5 kg
MULTI EVO 8-30 M	N4257130	1/N/PE~230 V	1.28 kW	0.90 kW	5.90 A	10.5 kg
MULTI EVO 8-30 T	N4257230	3/PE~230/400 V	1.20 kW	0.90 kW	3.70 A/2.10 A	10.5 kg
MULTI EVO 8-40 M	N4257140	1/N/PE~230 V	1.66 kW	1.20 kW	7.70 A	13.4 kg
MULTI EVO 8-40 T	N4257240	3/PE~230/400 V	1.50 kW	1.18 kW	5.00 A/2.95 A	13.4 kg
MULTI EVO 8-50 M	N4257150	1/N/PE~230 V	2.00 kW	1.40 kW	9.00 A	14.5 kg
MULTI EVO 8-50 T	N4257250	3/PE~230/400 V	1.95 kW	1.40 kW	6.70 A/4.00 A	14.5 kg

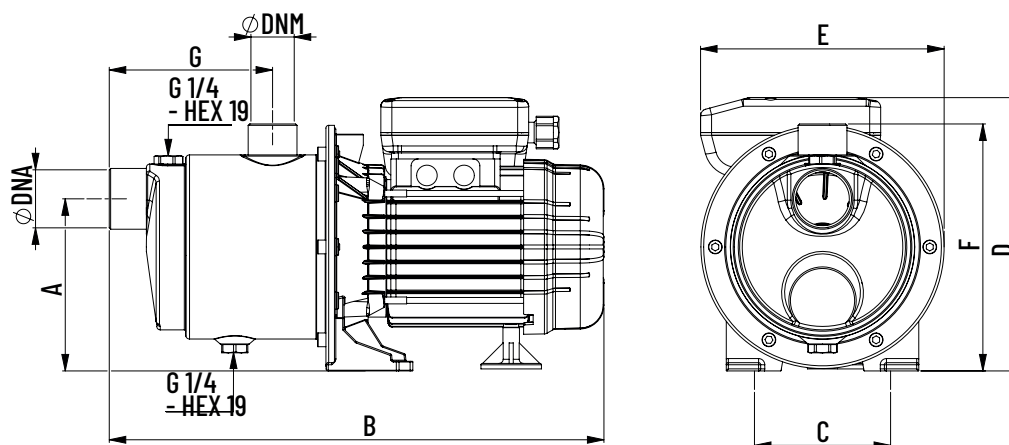
MULTI EVO

SURFACE PUMPS - HORIZONTAL MULTISTAGE

Version 3



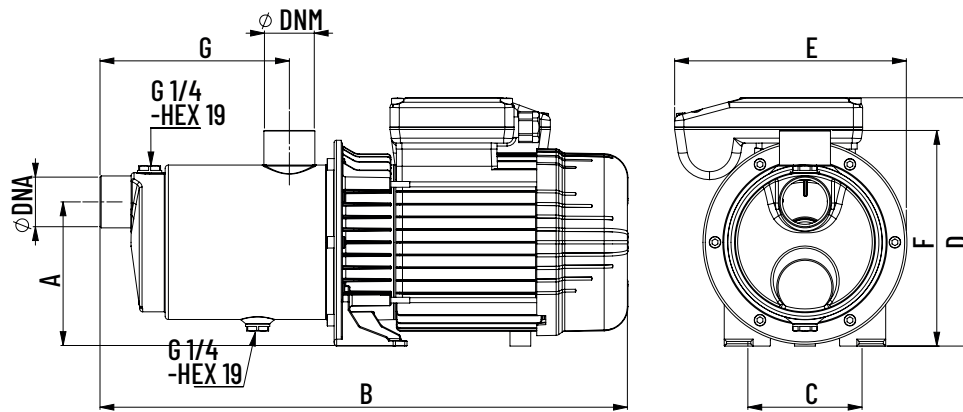
Version 5



MULTI EVO

SURFACE PUMPS - HORIZONTAL MULTISTAGE

Version 8



DIMENSIONS [mm]

Type	A	B	C	D	F	G	DNA	DNM	E
MULTI EVO 3-30 M/T	129	356	100	199	180	116	1"	1"	177
MULTI EVO 3-40 M/T	129	356	100	199	180	116	1"	1"	177
MULTI EVO 3-50 M/T	129	400	100	207	180	139	1"	1"	177
MULTI EVO 3-60 M/T	129	422	100	207	180	161	1"	1"	177
MULTI EVO 5-30 M/T	125	360	360	199	180	119	1 1/4"	1"	177
MULTI EVO 5-40 M/T	125	380	380	207	180	119	1 1/4"	1"	177
MULTI EVO 5-50 M/T	125	402	402	207	180	142	1 1/4"	1"	177
MULTI EVO 5-60 M	125	457	457	215	180	164	1 1/4"	1"	203
MULTI EVO 5-60 T	125	457	457	215	180	164	1 1/4"	1"	177
MULTI EVO 8-30 M/T	125	398	100	207	187	137	1 1/4"	1 1/4"	177
MULTI EVO 8-40 M	125	430	100	215	187	137	1 1/4"	1 1/4"	203
MULTI EVO 8-40 T	125	430	100	215	187	137	1 1/4"	1 1/4"	177
MULTI EVO 8-50 M	125	457	100	215	187	164	1 1/4"	1 1/4"	203
MULTI EVO 8-50 T	125	457	207	215	187	164	1 1/4"	1 1/4"	177

DHR

SURFACE PUMPS - HORIZONTAL MULTISTAGE

- Low energy consumption
- Extremely silent operation
- Impellers and diffusers made of stainless steel AISI 304
- Threaded ports set for oval fittings (range DHR 9)



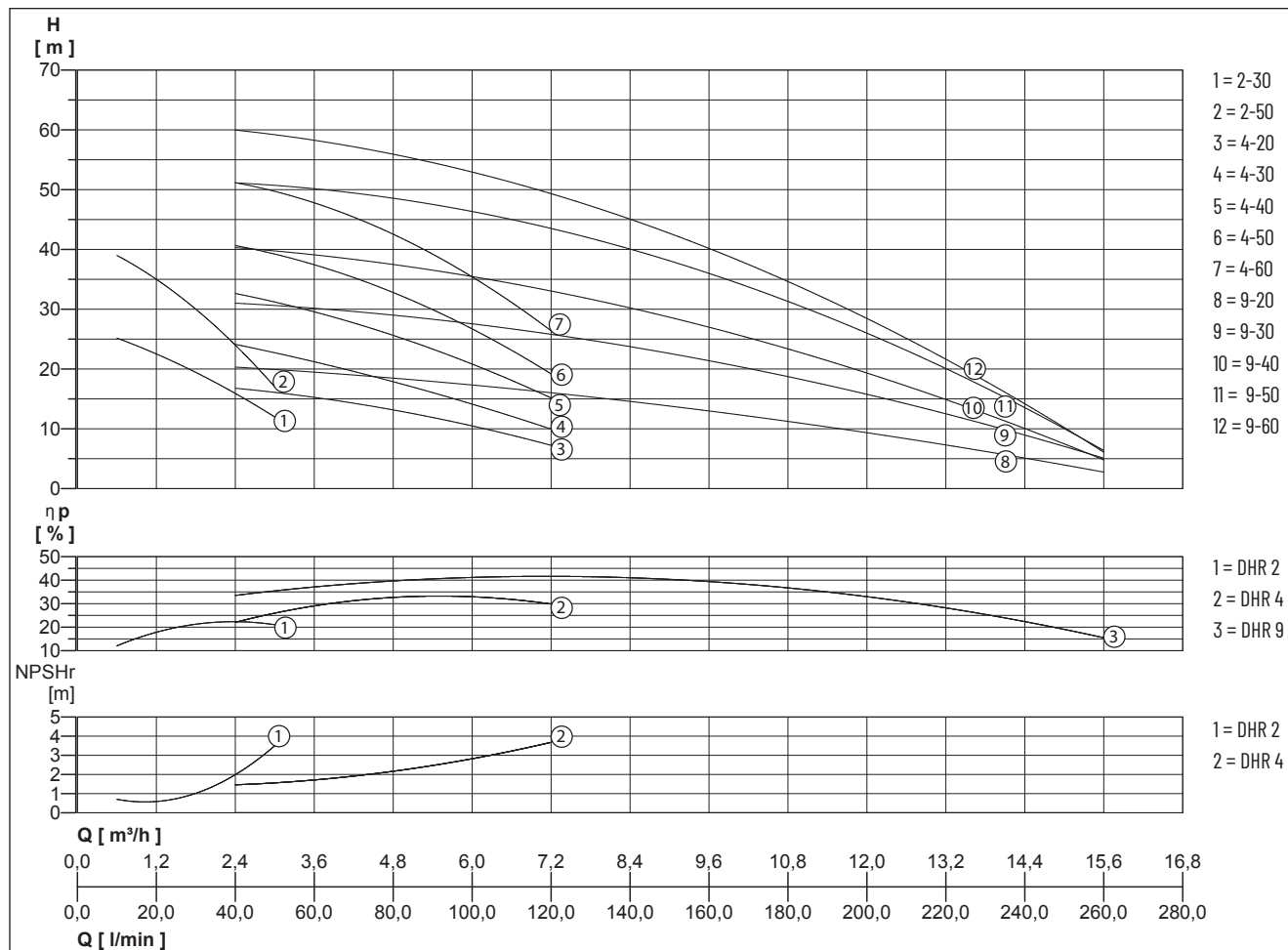
DESCRIPTION

The DHR series pumps are horizontal centrifugal pumps, not self-priming. All the rotating parts that come into contact with the pumped liquid are made of stainless steel AISI 304.

APPLICATIONS

- Lifting and distribution of water in domestic systems in continuous or intermittent operation
- Pressurization systems
- Washing, garden irrigation, supply to fountains, transfers.

PERFORMANCE



We reserve the right to change specifications without notice. Pump performance is subject to ISO 9906 ISO 9906:2012 - Grade 3B tolerances.

Type	Flow rate Q [m ³ /h]	0.6	1.2	1.8	2.4	3	3.6	4.8	6	7.2	9.6	12	14.4	15.6
DHR 2-30 M/T	Delivery head H [m]	25	23	19	16	12								
DHR 2-50 M/T		39	35	30	24	17								
DHR 4-20 M/T					17	16	15	13	11	7				
DHR 4-30 M/T					24	23	21	18	14	10				
DHR 4-40 M/T					33	31	29	26	21	15				
DHR 4-50 M/T					41	39	37	33	27	19				
DHR 4-60 M/T					52	49	47	43	36	26				
DHR 9-20 M/T					20			19		16	13	9	5	3
DHR 9-30 M/T					31			29		26	21	16	9	5
DHR 9-40 M/T					40			38		33	27	19	10	5
DHR 9-50 M/T					51			49		43	36	26	14	6
DHR 9-60 T					60			56		49	40	29	14	6

MECHANICAL DATA

Shaft	Stainless steel X5 CrNi 1810 (AISI 304)	Mechanical seal	Ceramic / Graphite / NBR
Impeller	Stainless steel X5CrNi18-10 (AISI 304)	Operating pressure max.	10 bar (temp. of liquid 50°C) 6 bar (temp. of liquid 90°C)
Motor housing	Cast aluminium	Type of liquid	clean water without suspended solids or abrasive material
Diffuser	Stainless steel X5CrNi18-10 (AISI 304)	Temperature of the liquid max.	90 °C
		Gasket	NBR

ELECTRICAL DATA

Type of enclosure	IP 54	Ambient temperature max.	50 °C
Insulation class	F	Rotation speed	2850 rpm

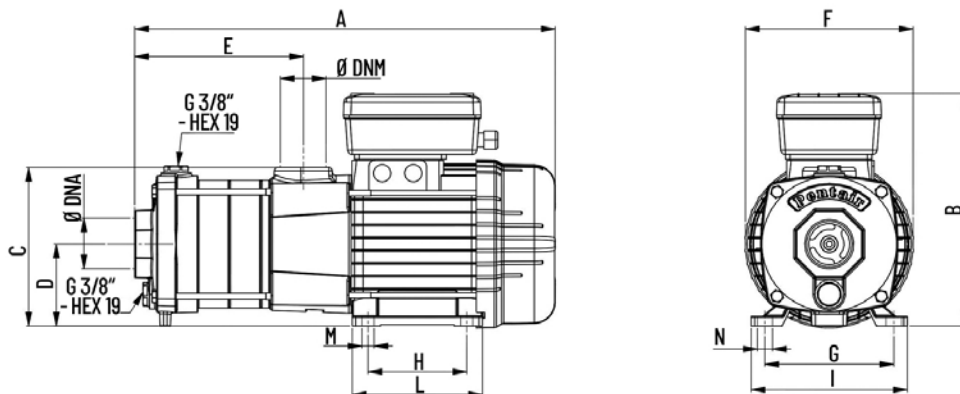
DHR

Type	Code No.	Voltage	Motor rating P1	P2	Current	Weight
DHR 2-30 M	E9302103	1/N/PE~230 V	0.52 kW	0.30 kW	2.6 A	10.2 kg
DHR 2-30 T	E9301003	3/PE~230/400 V	0.50 kW	0.30 kW	1.9 A/1.1 A	10.2 kg
DHR 2-50 M	E9302105	1/N/PE~230 V	0.75 kW	0.50 kW	3.5 A	11.5 kg
DHR 2-50 T	E9301005	3/PE~230/400 V	0.75 kW	0.50 kW	2.5 A/1.8 A	11.5 kg
DHR 4-20 M	E9402102	1/N/PE~230 V	0.55 kW	0.37 kW	2.7 A	10.5 kg
DHR 4-20 T	E9401002	3/PE~230/400 V	0.58 kW	0.37 kW	2.1 A/1.2 A	10.5 kg
DHR 4-30 M	E9402103	1/N/PE~230 V	0.80 kW	0.50 kW	3.7 A	10.7 kg
DHR 4-30 T	E9401003	3/PE~230/400 V	0.75 kW	0.50 kW	2.5 A/1.4 A	10.7 kg
DHR 4-40 M	E9402104	1/N/PE~230 V	1.00 kW	0.70 kW	4.5 A	12.0 kg
DHR 4-40 T	E9401004	3/PE~230/400 V	1.00 kW	0.70 kW	3.2 A/1.9 A	12.0 kg
DHR 4-50 M	E9402105	1/N/PE~230 V	1.25 kW	0.90 kW	5.8 A	13.9 kg
DHR 4-50 T	E9401005	3/PE~230/400 V	1.15 kW	0.90 kW	3.4 A/2.0 A	13.9 kg
DHR 4-60 M	E9402106	1/N/PE~230 V	1.50 kW	1.20 kW	7.0 A	17.0 kg
DHR 4-60 T	E9401006	3/PE~230/400 V	1.50 kW	1.20 kW	5.4 A/3.1 A	17.0 kg
DHR 9-20 M	E9502102	1/N/PE~230 V	1.00 kW	0.65 kW	4.5 A	19.2 kg
DHR 9-20 T	E9501002	3/PE~230/400 V	0.90 kW	0.65 kW	3.0 A/1.7 A	17.5 kg
DHR 9-30 M	E9502103	1/N/PE~230 V	1.40 kW	0.95 kW	6.0 A	20.0 kg
DHR 9-30 T	E9501003	3/PE~230/400 V	1.35 kW	0.95 kW	4.4 A/2.5 A	19.1 kg
DHR 9-40 M	E9502104	1/N/PE~230 V	1.80 kW	1.30 kW	8.0 A	21.5 kg
DHR 9-40 T	E9501004	3/PE~230/400 V	1.60 kW	1.30 kW	5.3 A/3.0 A	20.1 kg
DHR 9-50 M	E9502105	1/N/PE~230 V	2.20 kW	1.60 kW	10.0 A	23.7 kg
DHR 9-50 T	E9501005	3/PE~230/400 V	2.00 kW	1.60 kW	6.1 A/3.5 A	22.0 kg
DHR 9-60 T	E9501006	3/PE~230/400 V	2.50 kW	1.90 kW	7.9 A/4.5 A	24.0 kg

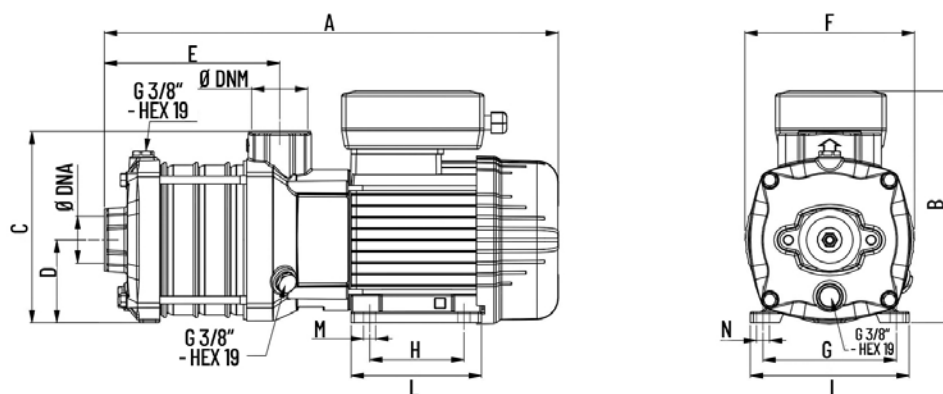
DHR

SURFACE PUMPS - HORIZONTAL MULTISTAGE

DHR 2-4



DHR 9



DIMENSIONS [mm]

Type	A	B	C	D	F	G	H	I	L	M	N	DNA	DNM	E
DHR 2-30 M	326	205	137,5	71	142	112	90	135	112	7,5	12	1"	1"	105
DHR 2-30 T	326	190	137,5	71	142	112	90	135	112	7,5	12	1"	1"	105
DHR 2-50 M	362	205	137,5	71	142	112	90	135	112	7,5	12	1"	1"	141
DHR 2-50 T	362	190	137,5	71	142	112	90	135	112	7,5	12	1"	1"	141
DHR 4-20 M	339	205	137,5	71	142	112	90	135	112	7,5	12	1 1/4"	1"	119
DHR 4-20 T	339	190	137,5	71	142	112	90	135	112	7,5	12	1 1/4"	1"	119
DHR 4-30 M	339	205	137,5	71	142	112	90	135	112	7,5	12	1 1/4"	1"	119
DHR 4-30 T	339	190	137,5	71	142	112	90	135	112	7,5	12	1 1/4"	1"	119
DHR 4-40 M	366	205	137,5	71	142	112	90	135	112	7,5	12	1 1/4"	1"	146
DHR 4-40 T	366	190	137,5	71	142	112	90	135	112	7,5	12	1 1/4"	1"	146
DHR 4-50 M	394	205	137,5	71	142	112	90	135	112	7,5	12	1 1/4"	1"	173
DHR 4-50 T	394	190	137,5	71	142	112	90	135	112	7,5	12	1 1/4"	1"	173
DHR 4-60 M	445	230	149	80	160	125	100	153	125	9	13	1 1/4"	1"	200
DHR 4-60 T	445	209	149	80	160	125	100	153	125	9	13	1 1/4"	1"	200
DHR 9-20 M	378	227	185	80	160	125	100	153	125	9	13	1 1/2"	1 1/4"	107
DHR 9-20 T	378	196	185	80	160	125	100	153	125	9	13	1 1/2"	1 1/4"	107
DHR 9-30 M	378	227	185	80	160	125	100	153	125	9	13	1 1/2"	1 1/4"	107
DHR 9-30 T	378	196	185	80	160	125	100	153	125	9	13	1 1/2"	1 1/4"	107
DHR 9-40 M	408	227	185	80	160	125	100	153	125	9	13	1 1/2"	1 1/4"	137
DHR 9-40 T	408	196	185	80	160	125	100	153	125	9	13	1 1/2"	1 1/4"	137
DHR 9-50 M	438	227	185	80	160	125	100	153	125	9	13	1 1/2"	1 1/4"	168
DHR 9-50 T	438	196	185	80	160	125	100	153	125	9	13	1 1/2"	1 1/4"	168
DHR 9-60 T	468	196	185	80	160	125	100	153	125	9	13	1 1/2"	1 1/4"	198

DHI

SURFACE PUMPS - HORIZONTAL MULTISTAGE

- Hydraulic in AISI316 stainless steel
- Quite operation
- High efficiency
- Compact dimension
- Sturdy and resistant



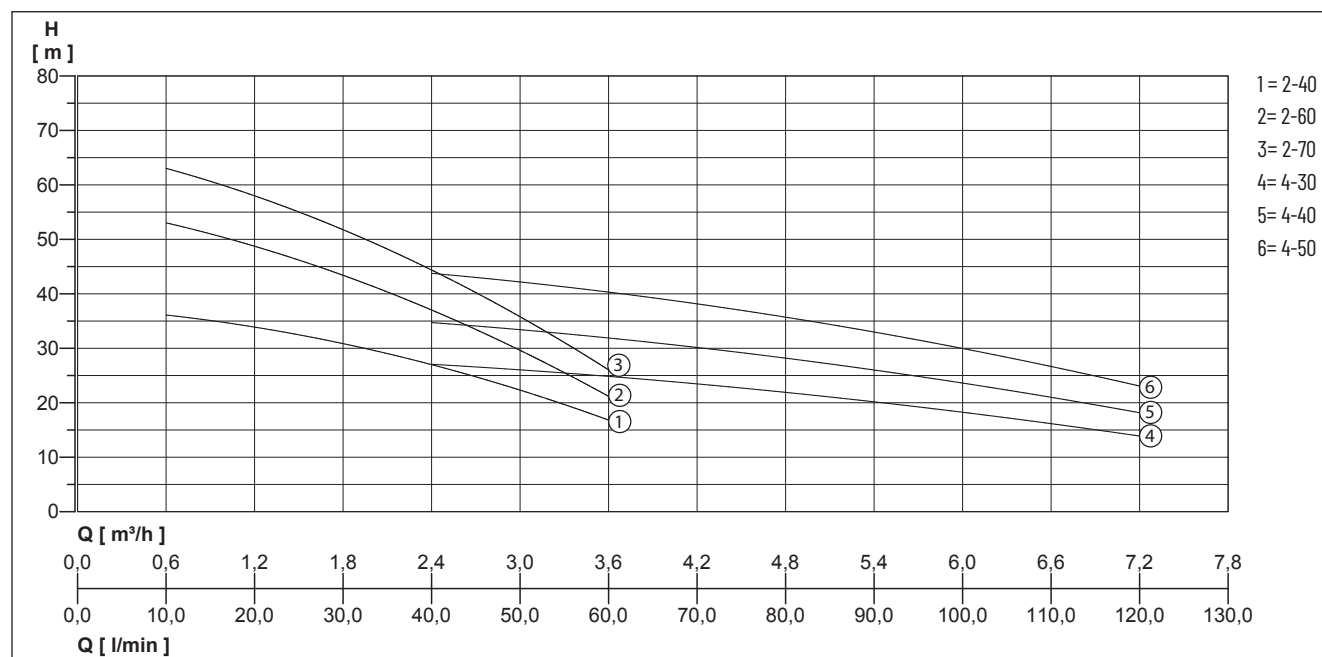
DESCRIPTION

The DHI series horizontal multi-stage centrifugal pumps have the following advantages: high hydraulic performance regarding pressure and capacity. Minimum consumption of electricity. Extremely silent operation.

APPLICATIONS

- Handling of aggressive liquids
- Lifting and distribution of water in domestic systems in continuous or intermittent operation
- Pressurization systems
- Washing, garden irrigation, supply to fountains, transfers.

PERFORMANCE



We reserve the right to change specifications without notice. Pump performance is subject to ISO 9906 ISO 9906:2012 - Grade 3B tolerances.

Type	Flow rate Q [m³/h]	0.6	1.2	1.8	2.4	3	3.6	4.8	6	7.2
DHI 2-40 M/T	Delivery head H [m]	36	34	31	27	22	17			
DHI 2-60 M/T		53	49	43	37	30	21			
DHI 2-70 M/T		63	58	52	44	36	26			
DHI 4-30 M/T					27	26	25	22	18	14
DHI 4-40 M/T					35	33	32	28	24	18
DHI 4-50 M/T					44	42	40	36	30	23

MECHANICAL DATA

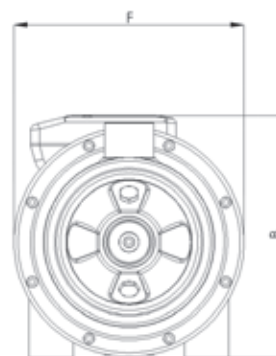
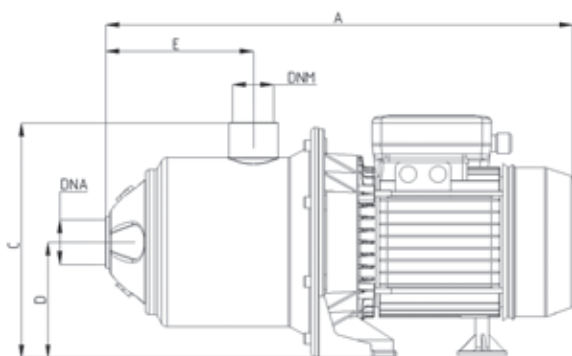
Shaft	Stainless steel X CrNiMo 17-12-03 (AISI 316)	Contourface	Ceramic
Impeller	Stainless steel X CrNiMo 17-12-03 (AISI 316)	Operating pressure max.	10 bar (temp. of liquid 50°C) 6 bar (temp. of liquid 90°C)
Motor housing	Die-cast aluminium	Type of liquid	clean water without suspended solids or abrasive material
Pump housing	Stainless steel X CrNiMo 17-12-03 (AISI 316)	Temperature of the liquid max.	90 °C
Mechanical seal	Graphite	Gasket	EPDM

ELECTRICAL DATA

Type of enclosure	IP 55	Ambient temperature max.	40 °C
Insulation class	F	Rotation speed	2850 rpm

DHI

Type	Code No.	Voltage	Motor rating		Current	Weight
			P1	P2		
DHI 2-40 M	N4224240	1/N/PE~230 V	0.70 kW	0.40 kW	3.2 A	11.0 kg
DHI 2-40 T	N4225240	3/PE~230/400 V	0.70 kW	0.40 kW	2.3 A/1.4 A	11.0 kg
DHI 2-60 M	N4224260	1/N/PE~230 V	0.90 kW	0.60 kW	4.1 A	11.7 kg
DHI 2-60 T	N4225260	3/PE~230/400 V	0.90 kW	0.60 kW	3.0 A/1.8 A	11.7 kg
DHI 2-70 M	N4224270	1/N/PE~230 V	1.10 kW	0.78 kW	5.2 A	14.1 kg
DHI 2-70 T	N4225270	3/PE~230/400 V	1.00 kW	0.78 kW	3.0 A/1.8 A	14.1 kg
DHI 4-30 M	N4224430	1/N/PE~230 V	0.80 kW	0.50 kW	3.6 A	11.3 kg
DHI 4-30 T	N4225430	3/PE~230/400 V	0.80 kW	0.50 kW	2.9 A/1.7 A	11.3 kg
DHI 4-40 M	N4224440	1/N/PE~230 V	1.00 kW	0.70 kW	4.4 A	12.1 kg
DHI 4-40 T	N4225440	3/PE~230/400 V	1.00 kW	0.70 kW	3.3 A/2.0 A	12.1 kg
DHI 4-50 M	N4224450	1/N/PE~230 V	1.25 kW	0.90 kW	5.8 A	14.0 kg
DHI 4-50 T	N4225450	3/PE~230/400 V	1.20 kW	0.90 kW	3.3 A/2.0 A	14.0 kg



DIMENSIONS [mm]

Type	A	B	C	D	F	DNA	DNM	E
DHI 2-40 M/T	368	220	213,5	105	208	1 1/4"	1 1/4"	80
DHI 2-60 M/T	396	220	213,5	105	208	1 1/4"	1 1/4"	108
DHI 2-70 M/T	422	220	213,5	105	208	1 1/4"	1 1/4"	134
DHI 4-30 M/T	368	220	213,5	105	208	1 1/4"	1 1/4"	80
DHI 4-40 M/T	396	220	213,5	105	208	1 1/4"	1 1/4"	108
DHI 4-50 M/T	422	220	213,5	105	208	1 1/4"	1 1/4"	134

MULTI EVO-SP

SURFACE PUMPS - HORIZONTAL MULTISTAGE

- Strong and resistant to salt water, it is the perfect partner for all pool cleaning devices
- High reliability - thanks to the durable and innovative design
- Silent operation - improved user comfort thanks to its silent operation
- Compact dimensions



**IE3
MOTOR**

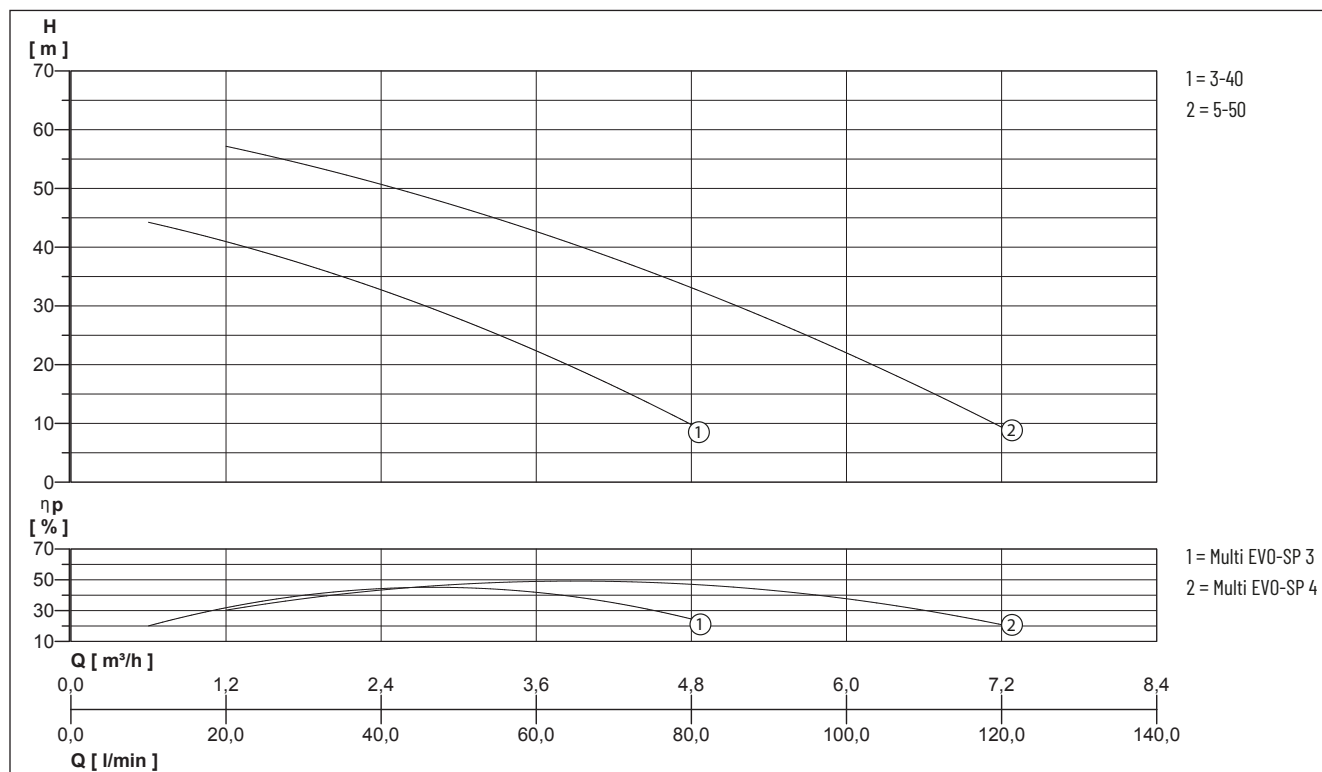
DESCRIPTION

Multi EVO-SP is a multi-stage centrifugal horizontal pump with an inlet with axial thread and an outlet with radial thread. The innovative, high efficiency hydraulic system is connected to a motor of the latest generation with a mechanical seal. Particularly suitable for the pumping of sea water and pool water.

APPLICATIONS

- Pressurization and supply
- Irrigation
- Cleaning of pools with chlorinated water
- Cleaning of pools with sea water
- Pumping of aggressive liquids (compatibly with the type of materials)

PERFORMANCE



We reserve the right to change specifications without notice. Pump performance is subject to ISO 9906 ISO 9906:2012 - Grade 3B tolerances.

Type	Flow rate Q [m³/h]	0.6	1.2	1.8	2.4	3	3.6	4.8	6	7.2
MULTI EVO-SP 3-40 M/T	Delivery head H [m]	44.0	41.0	37.5	33.0	27.5	22.0	10.0		
MULTI EVO-SP 5-50 M/T			57.0	54.0	51.0	47.0	43.0	32.5	22.0	9.5

MULTI EVO-SP

SURFACE PUMPS - HORIZONTAL MULTISTAGE

MECHANICAL DATA

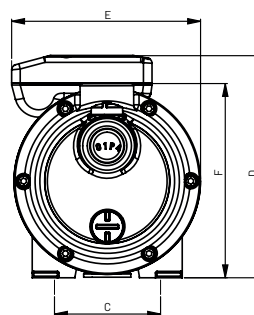
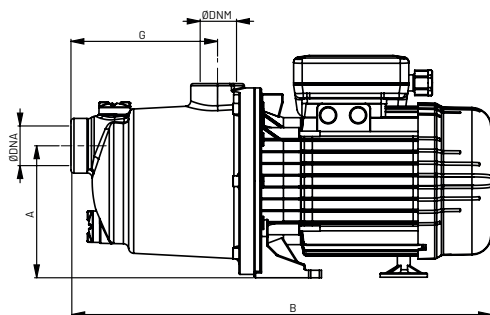
Shaft	Stainless steel Europe: EN10088-1 X2CrNiMo17-12-2 (1.4404) USA: AISI 316	Contourface	Ceramic / NBR
Impeller	PPO reinforced with fibreglass	Operating pressure max.	7 bar
Motor housing	Die-cast aluminium	Type of liquid	clean water without suspended solids or abrasive material
Pump housing	PPO reinforced with fibreglass	Temperature of the liquid max.	50 °C
Diffuser	PPO reinforced with fibreglass	Suction height max.	6 m
Mechanical seal	Carbon graphite / NBR / SS	Gasket	NBR 70 Shore A

ELECTRICAL DATA

Type of enclosure	IP 55	Ambient temperature max.	40 °C
Insulation class	F	Rotation speed	2850 rpm

MULTI EVO-SP

Type	Code No.	Voltage	Motor rating		Current	Weight
			P1	P2		
MULTI EVO-SP 3-40 M	N4302140	1/N/PE~230 V	0.80 kW	0.55 kW	3.70 A	6.9 kg
MULTI EVO-SP 3-40 T	N4302240	3/PE~230/400 V	0.78 kW	0.53 kW	2.70 A/1.55 A	6.9 kg
MULTI EVO-SP 5-50 M	N4304150	1/N/PE~230 V	1.35 kW	0.95 kW	6.20 A	10.1 kg
MULTI EVO-SP 5-50 T	N4304250	3/PE~230/400 V	1.25 kW	0.90 kW	3.80 A/2.20 A	10.1 kg



DIMENSIONS [mm]

Type	A	B	C	D	F	G	DNA	DNM	E
MULTI EVO-SP 3-40 M/T	123	373	99	199	182	137	1"	1"	177
MULTI EVO-SP 5-50 M/T	123	392	99	207	182	137	1"	1"	177

CM

SURFACE PUMPS - HORIZONTAL SINGLE STAGE

- Highly reliable
- Sturdy and resistant
- High hydraulic performance
- Quite operation



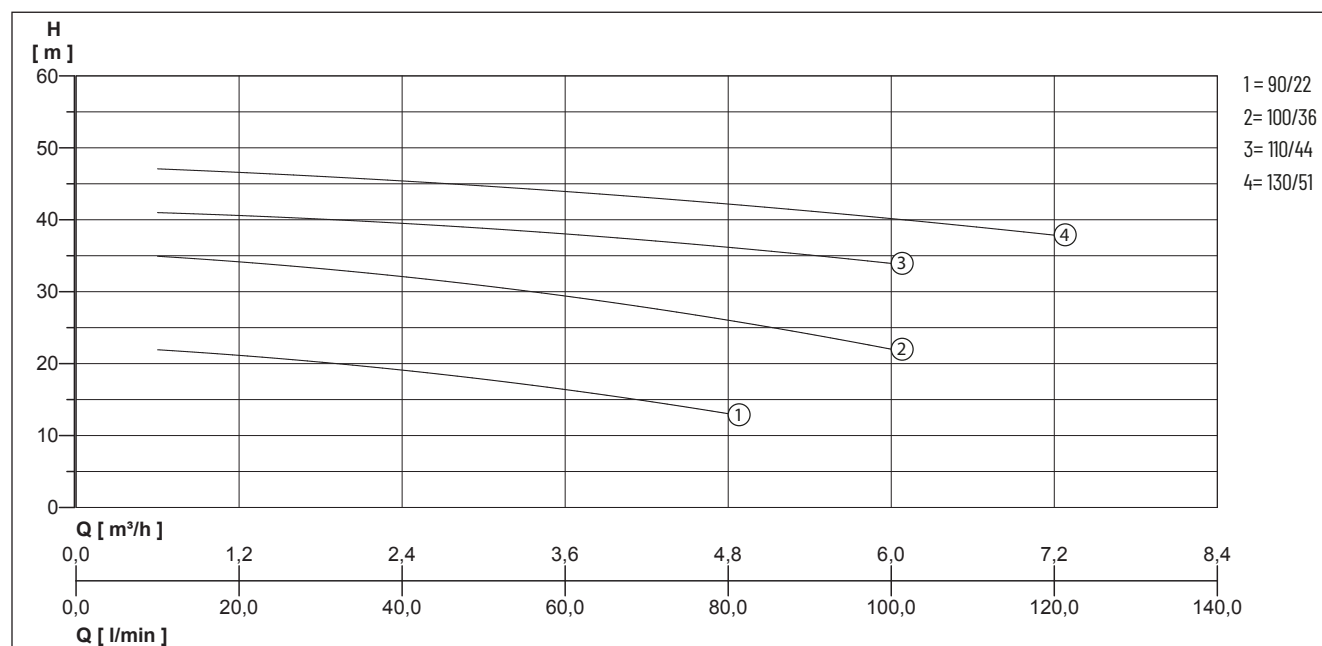
DESCRIPTION

The CM series of single impeller centrifugal pumps are silent with optimal hydraulic performance.

APPLICATIONS

- Lifting from wells for irrigation
- Pressurization systems
- Pressurization and supply
- Washing

PERFORMANCE



We reserve the right to change specifications without notice. Pump performance is subject to ISO 9906 ISO 9906:2012 - Grade 3B tolerances. MEI ≥ 0.4 - Reference MEI ≥ 0.70 - The information on the reference efficiency is available at the address: www.europump.org/efficiencycharts

Type	Flow rate Q [m³/h]	0.6	1.8	3	4.8	6	7.2
CM 90/22 M/T	Delivery head H [m]	22	20	18	13		
CM 100/36 M/T		35	33	31	26	22	
CM 110/44 M/T		41	40	39	36	34	
CM 130/51 M/T		47	46	45	42	40	38

MECHANICAL DATA

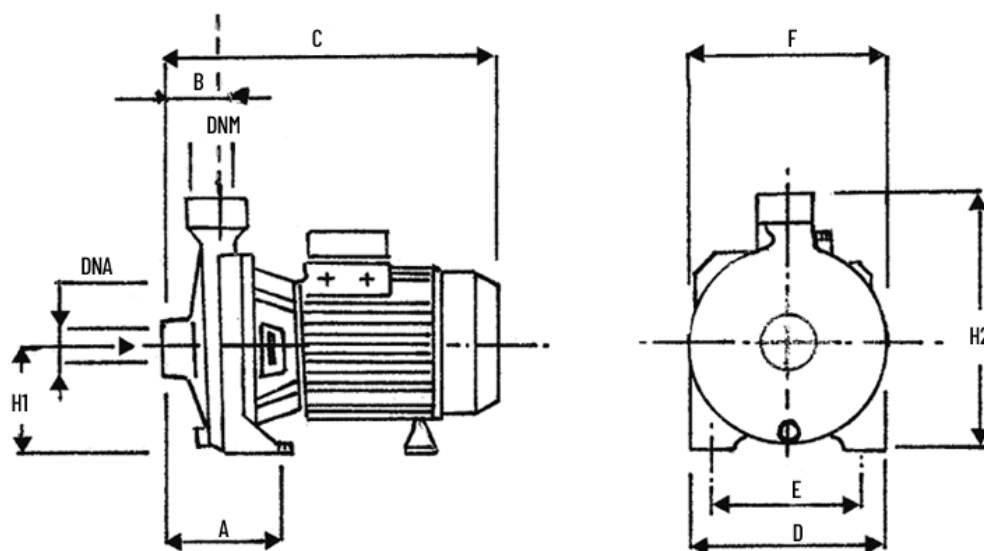
Shaft	Stainless steel X 12 CrNiS 1809 (AISI 416)	Contourface	Ceramic
Motor housing	Cast iron EN GJL 200	Type of liquid	clear or slightly turbid non-abrasive water
Pump housing	Cast iron EN GJL 200	Suction height max.	5 m
Mechanical seal	Graphite	Gasket	NBR 70 shore

ELECTRICAL DATA

Type of enclosure	IP 44	Rotation speed	2850 rpm
Insulation class	F		

CM

Type	Code No.	Voltage	Motor rating P1 P2	Current	Impeller	Operating pressure max.	Temperature of the liquid max.	Weight
CM 90/22 M	N418B090	1/N/PE~230 V	0.75 kW 0.35 kW	3.6 A	Technopolymer	6 bar	50 °C	6.5 kg
CM 90/22 T	N418B100	3/PE~230/400 V	0.75 kW 0.35 kW	2.4 A/1.4 A	Technopolymer	6 bar	50 °C	6.5 kg
CM 100/36 M	N418B130	1/N/PE~230 V	1.25 kW 0.75 kW	5.5 A	Brass	8 bar	90 °C	11.0 kg
CM 100/36 T	N418B140	3/PE~230/400 V	1.25 kW 0.75 kW	3.8 A/2.2 A	Brass	8 bar	90 °C	11.0 kg
CM 110/44 M	N4187090	1/N/PE~230 V	1.70 kW 1.10 kW	8.0 A	Brass	8 bar	90 °C	20.0 kg
CM 110/44 T	N4187100	3/PE~230/400 V	1.80 kW 1.10 kW	5.5 A/3.2 A	Brass	8 bar	90 °C	20.0 kg
CM 130/51 M	N4187110	1/N/PE~230 V	2.40 kW 1.50 kW	10.3 A	Brass	8 bar	90 °C	23.0 kg
CM 130/51 T	N4187120	3/PE~230/400 V	2.10 kW 1.50 kW	6.9 A/4.0 A	Brass	8 bar	90 °C	23.0 kg



DIMENSIONS [mm]

Type	A	B	C	D	F	H1	H2	DNA	DNM	E
CM 90/22 M/T	75	43	267	150	160	82	202	1"	1"	110
CM 100/36 M/T	82	44	310	180	185	107	242	1"	1"	140
CM 110/44 M/T	88	45	350	194	200	100	252	1 1/4"	1"	155
CM 130/51 M/T	88	45	361	220	225	115	285	1 1/4"	1"	180

CB

SURFACE PUMPS - HORIZONTAL TWO-STAGE

- High hydraulic performance
- Sturdy and resistant
- Highly reliable
- Quite operation



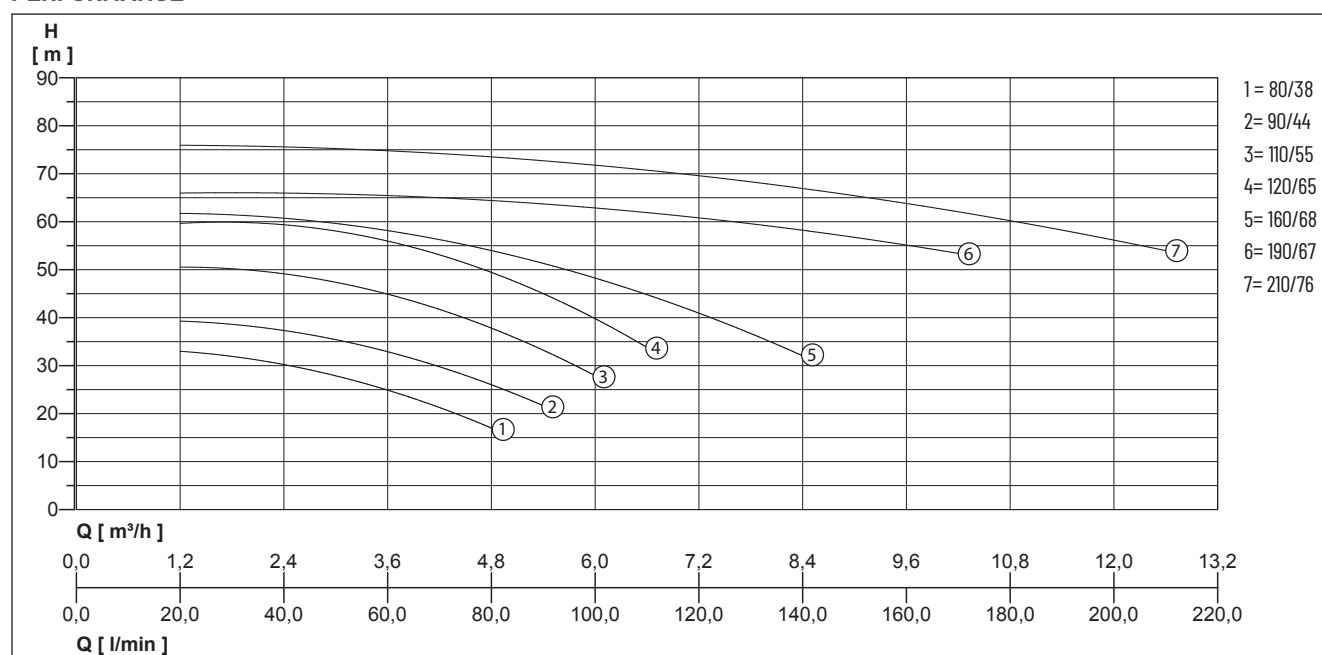
DESCRIPTION

The two opposite impellers with balanced axial thrust allow for high efficiency, making them particularly suitable for civil and industrial use, autoclave units, etc.

APPLICATIONS

- Pressurization systems
- Small automatic systems for garden irrigation
- Handling of non-aggressive liquids
- Washing systems

PERFORMANCE



We reserve the right to change specifications without notice. Pump performance is subject to ISO 9906 ISO 9906:2012 - Grade 3B tolerances.

Type	Flow rate Q [m³/h]	1.2	2.4	3	4.8	5.4	6	6.6	8.4	9.6	10.8	12
CB 80/38 M/T	Delivery head H [m]	33.0	30.2	27.9	17.0							
CB 90/44 M/T		39.5	37.0	35.2	27.0	21.0						
CB 110/55 M/T		50.8	48.8	47.1	38.4	33.4	27.5					
CB 120/65 M		60.5	58.6	56.9	49.8	46.5	40.3	32.5				
CB 160/68 T			60.5	59.3	54.1	51.6	48.4	44.6	32.0			
CB 190/67 T				67.0	64.8	63.9	62.5	62.0	58.0	53.5		
CB 210/76 T				76.5	73.9	72.9	71.8	70.5	66.8	62.0	58.3	54.0

CB

SURFACE PUMPS - HORIZONTAL TWO-STAGE

MECHANICAL DATA

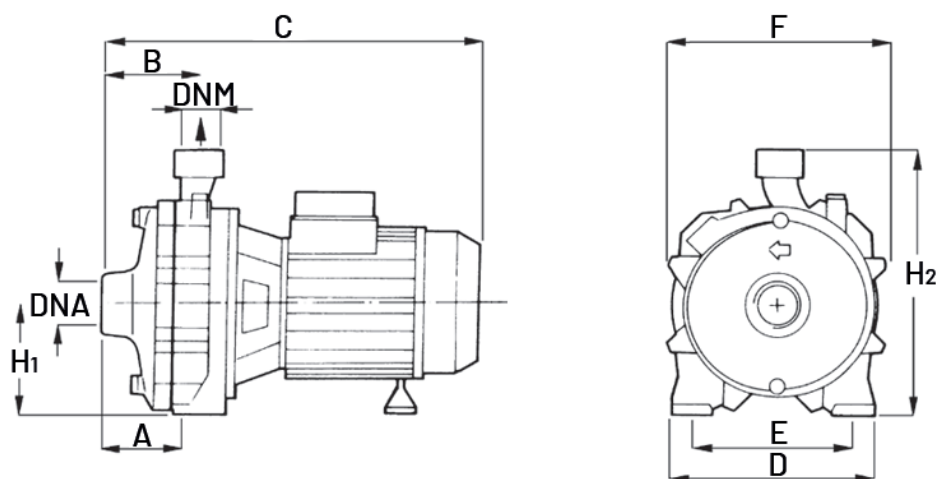
Pump housing	Cast iron EN GJL 200	Type of liquid	clear or slightly turbid non-abrasive water
Mechanical seal	Graphite	Suction height max.	5 m
Contourface	Ceramic	Gasket	NBR

ELECTRICAL DATA

Type of enclosure	IP 44	Ambient temperature max.	40 °C
Insulation class	F	Rotation speed	2850 rpm

CB

Type	Code No.	Voltage	Motor rating P1 P2	Current	Shaft	Motor housing	Temperature of the liquid max.	Weight
Operating pressure max.:6 bar, Impeller:Technopolymer								
CB 80/38 M	N4189010	1/N/PE~230 V	1.1 kW 0.55 kW	5.0 A	AISI 416	Aluminum	40 °C	13.5 kg
CB 80/38 T	N4189020	3/PE~230/400 V	1.1 kW 0.55 kW	3.4 A/2.0 A	AISI 416	Aluminum	40 °C	13.5 kg
CB 90/44 M	N4189030	1/N/PE~230 V	1.4 kW 0.74 kW	6.1 A	AISI 416	Aluminum	40 °C	15.0 kg
CB 90/44 T	N4189040	3/PE~230/400 V	0.9 kW 0.74 kW	2.9 A/1.7 A	AISI 416	Aluminum	40 °C	15.0 kg
Operating pressure max.:10 bar, Impeller:Brass								
CB 110/55 M	N4189050	1/N/PE~230 V	1.9 kW 1.10 kW	8.6 A	AISI 303	Cast iron	90 °C	25.0 kg
CB 110/55 T	N4189060	3/PE~230/400 V	1.8 kW 1.10 kW	5.5 A/3.2 A	AISI 303	Cast iron	90 °C	25.0 kg
CB 120/65 M	N4189070	1/N/PE~230 V	2.4 kW 1.50 kW	10.8 A	AISI 303	Cast iron	90 °C	27.0 kg
CB 120/65	N4189080	3/PE~230/400 V	2.1 kW 1.50 kW	6.9 A/4.0 A	AISI 303	Cast iron	90 °C	27.0 kg
CB 160/68 T	N4189090	3/PE~230/400 V	2.6 kW 2.20 kW	8.1 A/4.7 A	AISI 303	Cast iron	90 °C	27.0 kg
CB 190/67 T	N4189100	3/PE~230/400 V	4.1 kW 3.00 kW	12.5 A/7.2 A	AISI 304	Cast iron	90 °C	42.5 kg
CB 210/76 T	N4189110	3/PE~230/400 V	4.6 kW 4.00 kW	15.1 A/8.7 A	AISI 304	Cast iron	90 °C	46.3 kg



DIMENSIONS [mm]

Type	A	B	C	D	F	H1	H2	DNA	DNM	E
CB 80/38 M/T	58	73	336	180	183	97	227	1"	1"	140
CB 90/44 M/T	58	73	336	180	183	97	227	1"	1"	140
CB 110/55 M/T	66	86	394	195	209	110	265	1 1/4"	1"	155
CB 120/65 M	66	86	410	195	209	110	265	1 1/4"	1"	155
CB 160/68 T	66	86	410	195	194	110	265	1 1/4"	1"	155
CB 190/67 T	72	96	467	230	228	133	309	1 1/2"	1 1/4"	180
CB 210/76 T	72	96	467	230	228	133	309	1 1/2"	1 1/4"	180

MULTINOX-VE+

SURFACE PUMPS - VERTICAL MULTISTAGE

- High hydraulic efficiency
- Strong and resistant
- Motor designed according to EN regulations
- Many possible uses for the residential market



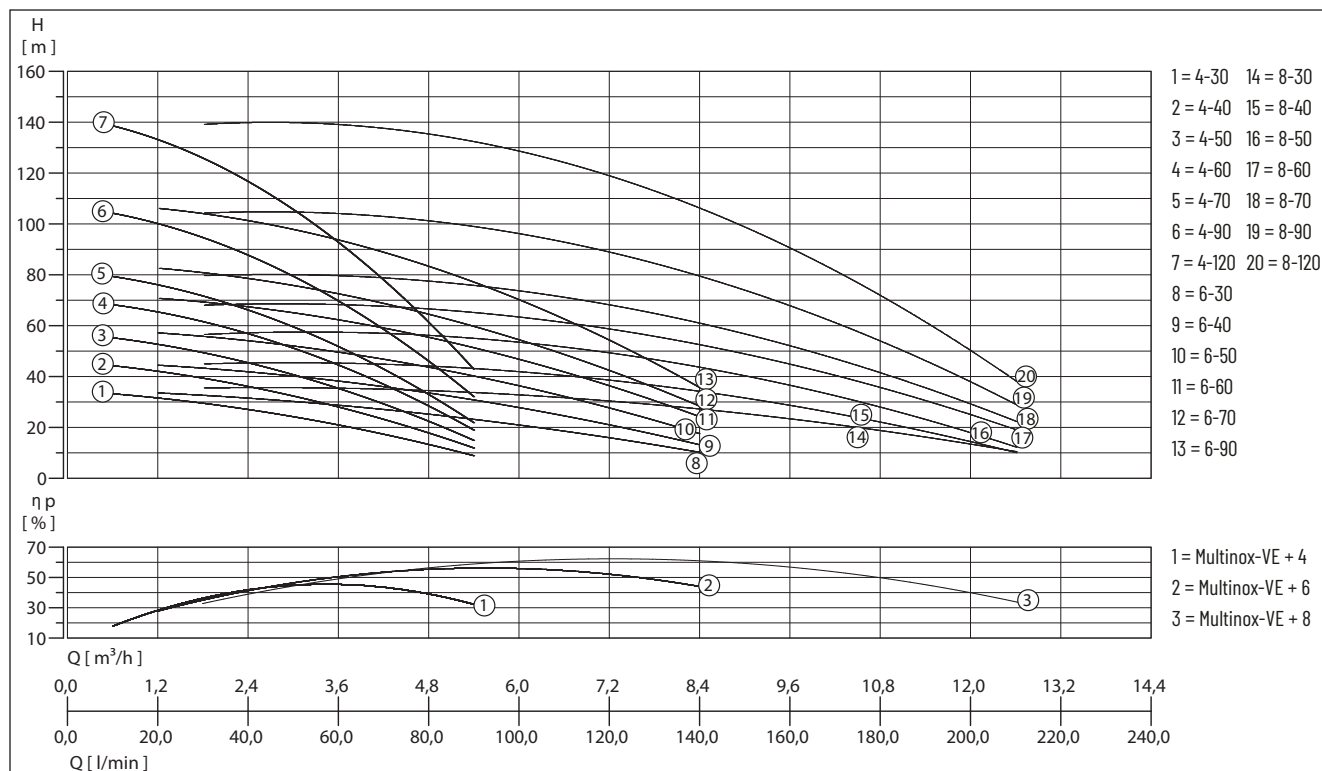
DESCRIPTION

The MULTINOX-VE+ series vertical multi-stage centrifugal pumps are particularly suitable for the realization of lifting units, especially in the cases where high efficiency and silence are required, with compact dimensions.

APPLICATIONS

- Lifting and distribution of water in domestic systems in continuous or intermittent operation
- Pressurization systems
- Fire protection systems
- Washing, garden irrigation, supply to fountains, transfers.

PERFORMANCE



We reserve the right to change specifications without notice. Pump performance is subject to ISO 9906 ISO 9906:2012 - Grade 3B tolerances. MEI ≥ 0.4 - Reference MEI ≥ 0.70 - The information on the reference efficiency is available at the address: www.europump.org/efficiencycharts

MULTINOX-VE+

SURFACE PUMPS - VERTICAL MULTISTAGE

Type	Flow rate Q [m³/h]	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4	6	7.2	8.4	9	10.8	12.6
MULTINOX VE+ 4-30 M/T	Delivery head H [m]	33		30	27	24	21	17		9						
MULTINOX VE+ 4-40 M/T		44		40	36	32	28	23		12						
MULTINOX VE+ 4-50 M/T		55		50	45	41	35	29		15						
MULTINOX VE+ 4-60 M/T		68		62	57	51	44	37		19						
MULTINOX VE+ 4-70 M/T		79		72	67	59	51	43		22						
MULTINOX VE+ 4-90 T		104		95	88	79	69	59		32						
MULTINOX VE+ 4-120 T		138		127	117	105	92	78		43						
MULTINOX VE+ 6-30 M/T			34		31		28		26		21	16	10			
MULTINOX VE+ 6-40 M/T			45		41		38		34		28	21	13			
MULTINOX VE+ 6-50 M/T			58		53		49		44		37	28	17			
MULTINOX VE+ 6-60 M/T			71		66		61		55		47	36	23			
MULTINOX VE+ 6-70 T			83		77		71		64		55	42	27			
MULTINOX VE+ 6-90 T			107		99		92		83		71	54	34			
MULTINOX VE+ 8-30 M/T				35			35			33		30		25	18	10
MULTINOX VE+ 8-40 M/T				45			44			42		39		32	20	11
MULTINOX VE+ 8-50 M/T				57			56			53		50		40	28	16
MULTINOX VE+ 8-60 T				68			67			64		60		48	34	19
MULTINOX VE+ 8-70 T				80			78			74		70		56	40	22
MULTINOX VE+ 8-90 T				104			103			98		90		73	52	29
MULTINOX VE+ 8-120 T				139			138			131		120		98	70	38

MECHANICAL DATA

Shaft	Stainless steel X5 CrNi 1810 (AISI 304)	Type of liquid	clean water without suspended solids or abrasive material
Impeller	Technopolymer	Temperature of the liquid max.	50 °C
Pump housing	Stainless steel X5 CrNi 1810 (AISI 304)	Suction height max.	6 m
Diffuser	Technopolymer	Gasket	NBR

ELECTRICAL DATA

Insulation class	F	Rotation speed	2850 rpm
Ambient temperature max.	40 °C		

MULTINOX-VE+

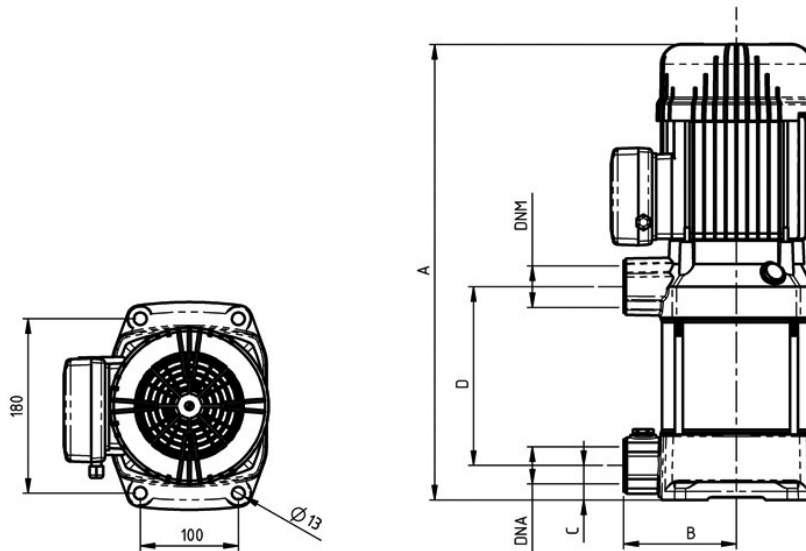
SURFACE PUMPS - VERTICAL MULTISTAGE

MULTINOX-VE+

Type	Code No.	Voltage	Motor rating		Current	Type of enclosure	Operating pressure max.	Weight
			P1	P2				
Mechanical seal:, Contourface:								
MULTINOX VE+ 4-30 M	N10G01030	1/N/PE~230 V	0.86 kW	0.50 kW	3.6 A	IP 44	9 bar	19 kg
MULTINOX VE+ 4-30 T	N10G11030	3/PE~230/400 V	0.73 kW	0.50 kW	2.6 A/1.5 A	IP 44	9 bar	19 kg
MULTINOX VE+ 4-40 M	N10G01040	1/N/PE~230 V	1.00 kW	0.67 kW	4.4 A	IP 44	9 bar	21 kg
MULTINOX VE+ 4-40 T	N10G11040	3/PE~230/400 V	0.97 kW	0.67 kW	3.1 A/1.8 A	IP 44	9 bar	21 kg
MULTINOX VE+ 4-50 M	N10G01050	1/N/PE~230 V	1.30 kW	0.84 kW	5.3 A	IP 44	9 bar	23 kg
MULTINOX VE+ 4-50 T	N10G11050	3/PE~230/400 V	1.16 kW	0.84 kW	4.0 A/2.3 A	IP 44	9 bar	23 kg
MULTINOX VE+ 4-60 M	N10G01060	1/N/PE~230 V	1.50 kW	1.00 kW	6.6 A	IP 44	9 bar	25 kg
MULTINOX VE+ 4-60 T	N10G11060	3/PE~230/400 V	1.40 kW	1.00 kW	4.3 A/2.5 A	IP 44	9 bar	25 kg
MULTINOX VE+ 4-70 M	N10G01070	1/N/PE~230 V	1.80 kW	1.17 kW	7.7 A	IP 44	9 bar	27 kg
MULTINOX VE+ 4-70 T	N10G11070	3/PE~230/400 V	1.70 kW	1.17 kW	5.0 A/2.8 A	IP 44	9 bar	27 kg
MULTINOX VE+ 4-90 T	N10G11090	3/PE~230/400 V	1.90 kW	1.50 kW	7.1 A/4.0 A	IP 44	12 bar	28 kg
MULTINOX VE+ 4-120 T	N10G11120	3/PE~230/400 V	2.70 kW	2.00 kW	8.5 A/4.8 A	IP 44	16 bar	30 kg
MULTINOX VE+ 6-30 M	N11G01030	1/N/PE~230 V	1.00 kW	0.67 kW	4.4 A	IP 44	9 bar	19 kg
MULTINOX VE+ 6-30 T	N11G11030	3/PE~230/400 V	0.97 kW	0.67 kW	3.1 A/1.8 A	IP 44	9 bar	19 kg
MULTINOX VE+ 6-40 M	N11G01040	1/N/PE~230 V	1.36 kW	0.90 kW	6.4 A	IP 44	9 bar	21 kg
MULTINOX VE+ 6-40 T	N11G11040	3/PE~230/400 V	1.20 kW	0.90 kW	2.3 A/4.0 A	IP 44	9 bar	21 kg
MULTINOX VE+ 6-50 M	N11G01050	1/N/PE~230 V	1.60 kW	1.10 kW	7.0 A	IP 44	9 bar	23 kg
MULTINOX VE+ 6-50 T	N11G11050	3/PE~230/400 V	1.40 kW	1.10 kW	4.7 A/2.6 A	IP 44	9 bar	23 kg
MULTINOX VE+ 6-60 M	N11G01060	3/PE~230/400 V	1.90 kW	1.30 kW	8.0 A	IP 44	9 bar	25 kg
MULTINOX VE+ 6-60 T	N11G11060	3/PE~230/400 V	1.70 kW	1.30 kW	5.3 A/3.0 A	IP 44	9 bar	25 kg
MULTINOX VE+ 6-70 T	N11G11070	3/PE~230/400 V	2.00 kW	1.50 kW	7.2 A/3.8 A	IP 44	9 bar	27 kg
MULTINOX VE+ 6-90 T	N11G11090	3/PE~230/400 V	2.60 kW	2.00 kW	8.2 A/4.5 A	IP 44	12 bar	28 kg
MULTINOX VE+ 8-30 M	N9G01030	1/N/PE~230 V	1.40 kW	1.00 kW	6.3 A	IP 44	9 bar	19 kg
MULTINOX VE+ 8-30 T	N9G11030	3/PE~230/400 V	1.30 kW	1.00 kW	4.0 A/2.3 A	IP 44	9 bar	19 kg
MULTINOX VE+ 8-40 M	N9G01040	1/N/PE~230 V	1.70 kW	1.20 kW	7.8 A	IP 44	9 bar	21 kg
MULTINOX VE+ 8-40 T	N9G11040	3/PE~230/400 V	1.70 kW	1.20 kW	5.7 A/3.3 A	IP 44	9 bar	21 kg
MULTINOX VE+ 8-50 M	N9G01050	1/N/PE~230 V	2.20 kW	1.50 kW	9.5 A	IP 44	9 bar	23 kg
MULTINOX VE+ 8-50 T	N9G11050	3/PE~230/400 V	2.10 kW	1.50 kW	6.0 A/3.7 A	IP 44	9 bar	23 kg
MULTINOX VE+ 8-60 T	N9G11060	3/PE~230/400 V	2.40 kW	1.70 kW	6.7 A/4.7 A	IP 44	9 bar	25 kg
MULTINOX VE+ 8-70 T	N9G11070	3/PE~230/400 V	2.50 kW	1.90 kW	7.0 A/4.9 A	IP 44	9 bar	27 kg
Mechanical seal:Graphite/Silicon Carbide , Contourface:Aluminium Oxide / Graphite								
MULTINOX VE+ 8-90 T	N9G11090	3/PE~230/400 V	3.20 kW	3.00 kW	10.2 A/5.9 A	IP 55	20 bar	36 kg
MULTINOX VE+ 8-120 T	N9G11120	3/PE~230/400 V	4.60 kW	4.00 kW	13.5 A/7.6 A	IP 55	20 bar	39 kg

MULTINOX-VE+

SURFACE PUMPS - VERTICAL MULTISTAGE



DIMENSIONS [mm]

Type	A	B	C	D	DNA	DNM
MULTINOX VE+ 4-30 M/T	416	115	35	130	1 1/4"	1 1/4"
MULTINOX VE+ 4-40 M/T	443	115	35	157	1 1/4"	1 1/4"
MULTINOX VE+ 4-50 M/T	470	115	35	184	1 1/4"	1 1/4"
MULTINOX VE+ 4-60 M/T	497	115	35	211	1 1/4"	1 1/4"
MULTINOX VE+ 4-70 M/T	524	115	35	238	1 1/4"	1 1/4"
MULTINOX VE+ 4-90 T	578	115	35	292	1 1/4"	1 1/4"
MULTINOX VE+ 4-120 T	660	115	35	373	1 1/4"	1 1/4"
MULTINOX VE+ 6-30 M/T	416	115	35	130	1 1/4"	1 1/4"
MULTINOX VE+ 6-40 M/T	443	115	35	157	1 1/4"	1 1/4"
MULTINOX VE+ 6-50 M/T	470	115	35	184	1 1/4"	1 1/4"
MULTINOX VE+ 6-60 M/T	497	115	35	211	1 1/4"	1 1/4"
MULTINOX VE+ 6-70 T	524	115	35	238	1 1/4"	1 1/4"
MULTINOX VE+ 6-90 T	578	115	35	292	1 1/4"	1 1/4"
MULTINOX VE+ 8-30 M/T	416	115	35	130	1 1/4"	1 1/4"
MULTINOX VE+ 8-40 M/T	443	115	35	157	1 1/4"	1 1/4"
MULTINOX VE+ 8-50 M/T	470	115	35	184	1 1/4"	1 1/4"
MULTINOX VE+ 8-60 T	497	115	35	211	1 1/4"	1 1/4"
MULTINOX VE+ 8-70 T	524	115	35	238	1 1/4"	1 1/4"
MULTINOX VE+ 8-90 T	730	115	35	292	1 1/4"	1 1/4"
MULTINOX VE+ 8-120 T	855	115	35	373	1 1/4"	1 1/4"

PENTAIR STA-RITE

PVM/PVMI/PVMX

SURFACE PUMPS - VERTICAL MULTISTAGE

- High hydraulic efficiency
- Motor designed according to EN regulations
- Wide range
- IE3 Motor



DESCRIPTION

PVM, PVMI and PVMX are non self-priming vertical multi-stage pumps, with Victaulic or flanged fittings with inlets and outlets of the same size.

Construction of stages with impellers, chambers and outlet in stainless steel. Pump cardan shaft and motor shaft are directly coupled according to IEC standard.

All pumps are equipped with high efficiency motors (IE3) and a cartridge-type mechanical seal for easy maintenance.

PVM, PVMI and PVMX pumps are available in different sizes and number of stages to provide the required flow and pressure.

APPLICATIONS

- Water supply
- Pressurization systems
- Water treatment/filtration
- Irrigation
- High pressure washing
- Liquid transfer
- Fire protection systems
- Boiler feed

MECHANICAL DATA

Mechanical seal	SiC/SiC	Gasket	EPDM
Temperature of the liquid max.	120 °C		

ELECTRICAL DATA

Type of enclosure	IP 55	Ambient temperature max.	50 °C
Insulation class	F	Rotation speed	2900 rpm

Type	Shaft	Impeller	Pump housing
PVM	Stainless steel 1.4057; AISI 431	Stainless steel 1.4301; AISI 304	Cast iron EN GJL 200
PVMI	Stainless steel 1.4057; AISI 431	Stainless steel 1.4301; AISI 304	Stainless steel X5 CrNi 1810 (AISI 304)
PVMX	Stainless steel 1.4401; AISI 316	Stainless steel 1.4401; AISI 316	Stainless steel X CrNiMo 17-12-03 (AISI 316)

PVM/PVMI/PVMX

SURFACE PUMPS - VERTICAL MULTISTAGE

Motor rating P2	Motor frame	1/N/PE~230 V	3/PE~230/400 V	3/PE~400/690 V
0.37 kW	71	2.8 A	1.7 A/1 A	
0.55 kW	71	4.2 A	2.6 A/1.5 A	
0.75 kW	80	5 A	3.5 A/2 A	
1.1 kW	80	7.9 A	4.5 A/2.6 A	
1.5 kW	90S	10.5 A	6.1 A/3.5 A	
2.2 kW	90L		7.6 A/4.4 A	
3 kW	100L		11.7 A/6.7 A	
4 kW	112M		13.5 A/7.8 A	
5.5 kW	132S			10.2 A/5.9 A
7.5 kW	132S			14.7 A/8.5 A
11 kW	160M			21 A/13 A
15 kW	160M			29 A/17 A
18.5 kW	160L			35 A/21 A
22 kW	180M			42 A/25 A
30 kW	200L			55 A/32 A
37 kW	200L			63.5 A/36.8 A
45 kW	225M			77.8 A/45 A
55 kW	250M			93.6 A
75 kW	280S			123.1 A

PVM/PVMI/PVMX

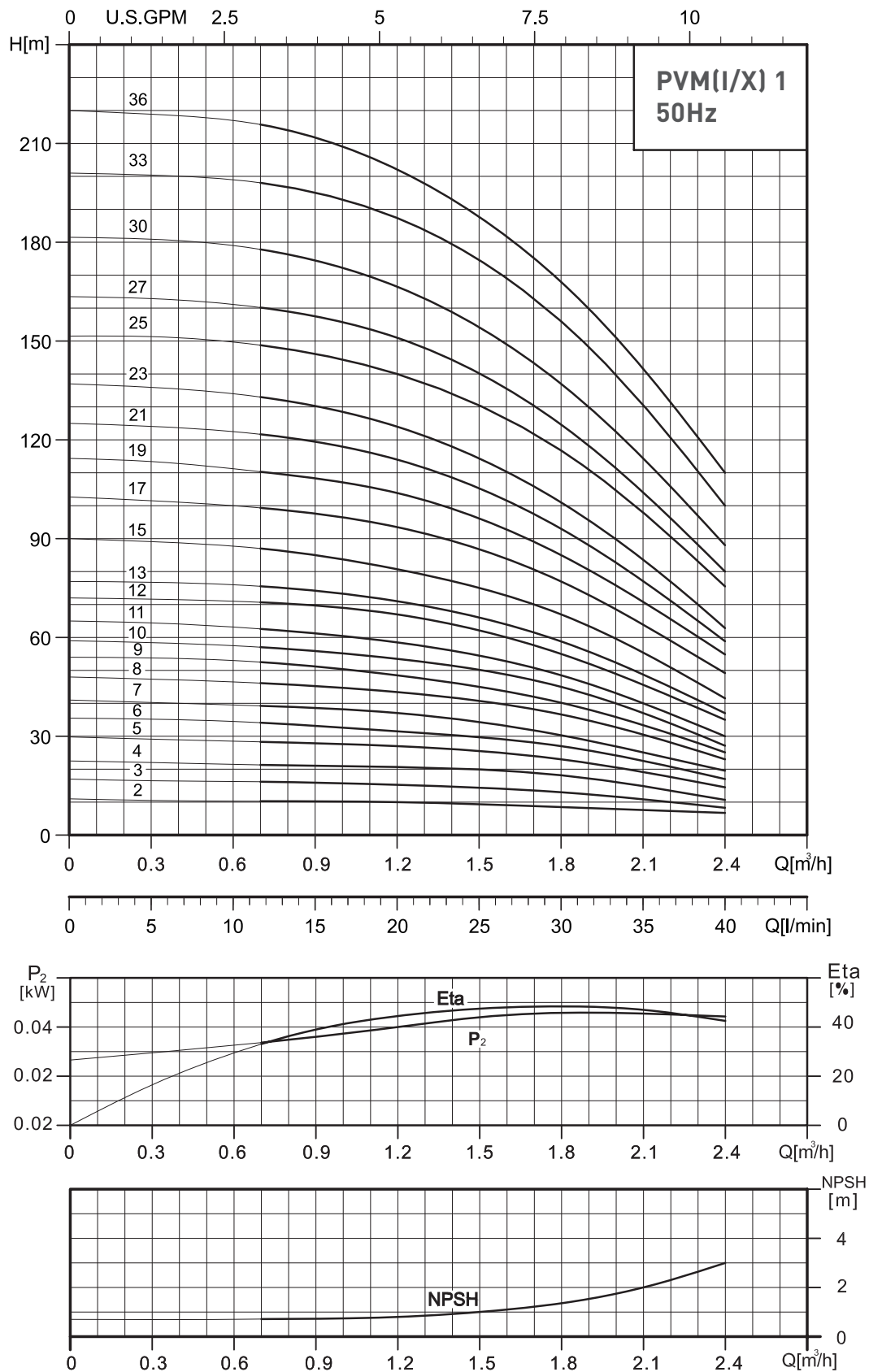
SURFACE PUMPS - VERTICAL MULTISTAGE

N. stages	Operating pressure max.	N. stages	Input pressure max.
PVM/PVMI/PVMX 1			
2 ... 36	25 bar	2 ... 36	10 bar
PVM/PVMI/PVMX 3			
2 ... 36	25 bar	2 ... 29	10 bar
		31 ... 36	15 bar
PVM/PVMI/PVMX 5			
2 ... 36	25 bar	2 ... 16	10 bar
		18 ... 36	15 bar
PVM/PVMI/PVMX 10			
1 ... 16	16 bar	1 ... 6	8 bar
18 ... 22	25 bar	7 ... 22	10 bar
PVM/PVMI/PVMX 15			
1 ... 10	16 bar	1 ... 3	8 bar
12 ... 17	25 bar	4 ... 17	10 bar
PVM/PVMI/PVMX 20			
1 ... 10	16 bar	1 ... 3	8 bar
12 ... 17	25 bar	4 ... 17	10 bar
PVM/PVMI/PVMX 32			
1-1 ... 7	16 bar	1-1 ... 4	4 bar
8-2 ... 14	30 bar	5-2 ... 10	10 bar
		11-2 ... 14	15 bar
PVM/PVMI/PVMX 45			
1-1 ... 5	16 bar	1-1 ... 2-2	4 bar
6-2 ... 11	30 bar	3-2 ... 5	10 bar
12-2 ... 13-2	33 bar	6-2 ... 13-2	15 bar
PVM/PVMI/PVMX 64			
1-1 ... 5	16 bar	1-1 ... 2-2	4 bar
6-2 ... 8-1	30 bar	2-1 ... 4-2	10 bar
		4-1 ... 8-1	15 bar
PVM/PVMI/PVMX 90			
1-1 ... 4	16 bar	1-1	4 bar
5-2 ... 6	30 bar	2-2 ... 3-2	10 bar
		3 ... 6	15 bar
PVM/PVMI/PVMX 120			
1 ... 7	30 bar	1 ... 2-1	10 bar
		2 ... 5-1	15 bar
		6-1 ... 7	20 bar
PVM/PVMI/PVMX 150			
1-1 ... 6	30 bar	1-1	10 bar
		2-1 ... 4-1	15 bar
		5-2 ... 6	20 bar

PVM/PVMI/PVMX 1

SURFACE PUMPS - VERTICAL MULTISTAGE

PERFORMANCE

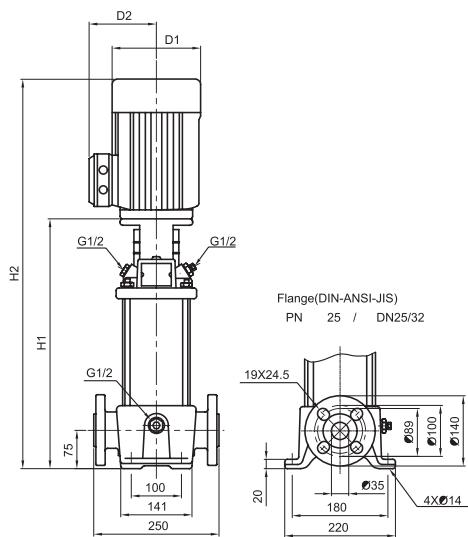


PVM/PVMI/PVMX 1

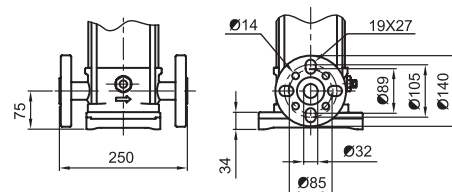
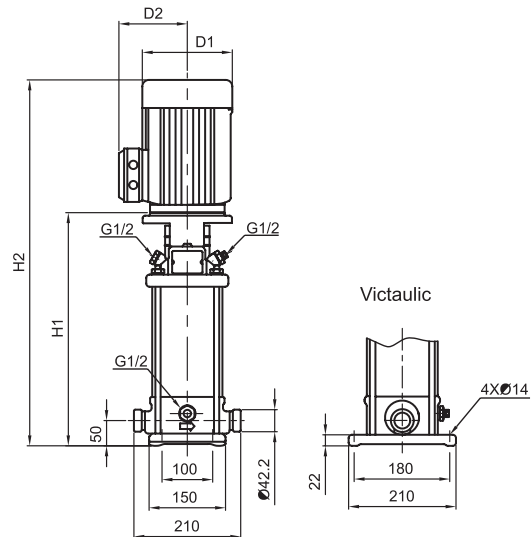
SURFACE PUMPS - VERTICAL MULTISTAGE

PVM/PVMI/PVMX 1

Dimensions [mm]							Dimensions [mm]						
Type	P2	[kg]	H1	H2	D1	D2	Type	P2	[kg]	H1	H2	D1	D2
PVM 01-02	0.37 kW	23.4	279	474	141	115	PVMI/PVMX 01-02	0.37 kW	20.2	282	477	141	115
PVM 01-03	0.37 kW	23.4	279	474	141	115	PVMI/PVMX 01-03	0.37 kW	20.3	282	477	141	115
PVM 01-04	0.37 kW	23.8	297	492	141	115	PVMI/PVMX 01-04	0.37 kW	20.6	300	495	141	115
PVM 01-05	0.37 kW	24.2	315	510	141	115	PVMI/PVMX 01-05	0.37 kW	21	318	513	141	115
PVM 01-06	0.37 kW	24.5	333	528	141	115	PVMI/PVMX 01-06	0.37 kW	21.4	336	531	141	115
PVM 01-07	0.37 kW	24.9	351	546	141	115	PVMI/PVMX 01-07	0.37 kW	21.7	354	549	141	115
PVM 01-08	0.55 kW	25.8	369	564	141	115	PVMI/PVMX 01-08	0.55 kW	22.6	372	567	141	115
PVM 01-09	0.55 kW	26.1	387	582	141	115	PVMI/PVMX 01-09	0.55 kW	23	390	585	141	115
PVM 01-10	0.55 kW	26.5	405	600	141	115	PVMI/PVMX 01-10	0.55 kW	23.3	408	603	141	115
PVM 01-11	0.55 kW	26.9	423	618	141	115	PVMI/PVMX 01-11	0.55 kW	23.7	426	621	141	115
PVM 01-12	0.75 kW	29.4	447	682	141	115	PVMI/PVMX 01-12	0.75 kW	26.1	450	685	141	115
PVM 01-13	0.75 kW	29.8	465	700	141	115	PVMI/PVMX 01-13	0.75 kW	26.5	468	703	141	115
PVM 01-15	0.75 kW	30.5	501	736	141	115	PVMI/PVMX 01-15	0.75 kW	27.2	504	739	141	115
PVM 01-17	1.1 kW	32.3	537	772	141	115	PVMI/PVMX 01-17	1.1 kW	29.1	540	775	141	115
PVM 01-19	1.1 kW	33.1	573	808	141	115	PVMI/PVMX 01-19	1.1 kW	29.8	576	811	141	115
PVM 01-21	1.1 kW	33.8	609	844	141	115	PVMI/PVMX 01-21	1.1 kW	30.6	612	847	141	115
PVM 01-23	1.1 kW	34.6	645	880	141	115	PVMI/PVMX 01-23	1.1 kW	31.3	648	883	141	115
PVM 01-25	1.5 kW	44	697	964	180	138	PVMI/PVMX 01-25	1.5 kW	40.8	700	991	180	138
PVM 01-27	1.5 kW	44.8	733	1000	180	138	PVMI/PVMX 01-27	1.5 kW	41.5	736	1027	180	138
PVM 01-30	1.5 kW	45.9	787	1054	180	138	PVMI/PVMX 01-30	1.5 kW	42.6	790	1081	180	138
PVM 01-33	2.2 kW	49.9	841	1108	180	138	PVMI/PVMX 01-33	2.2 kW	46.6	844	1135	180	138
PVM 01-36	2.2 kW	51	895	1162	180	138	PVMI/PVMX 01-36	2.2 kW	47.7	898	1189	180	138



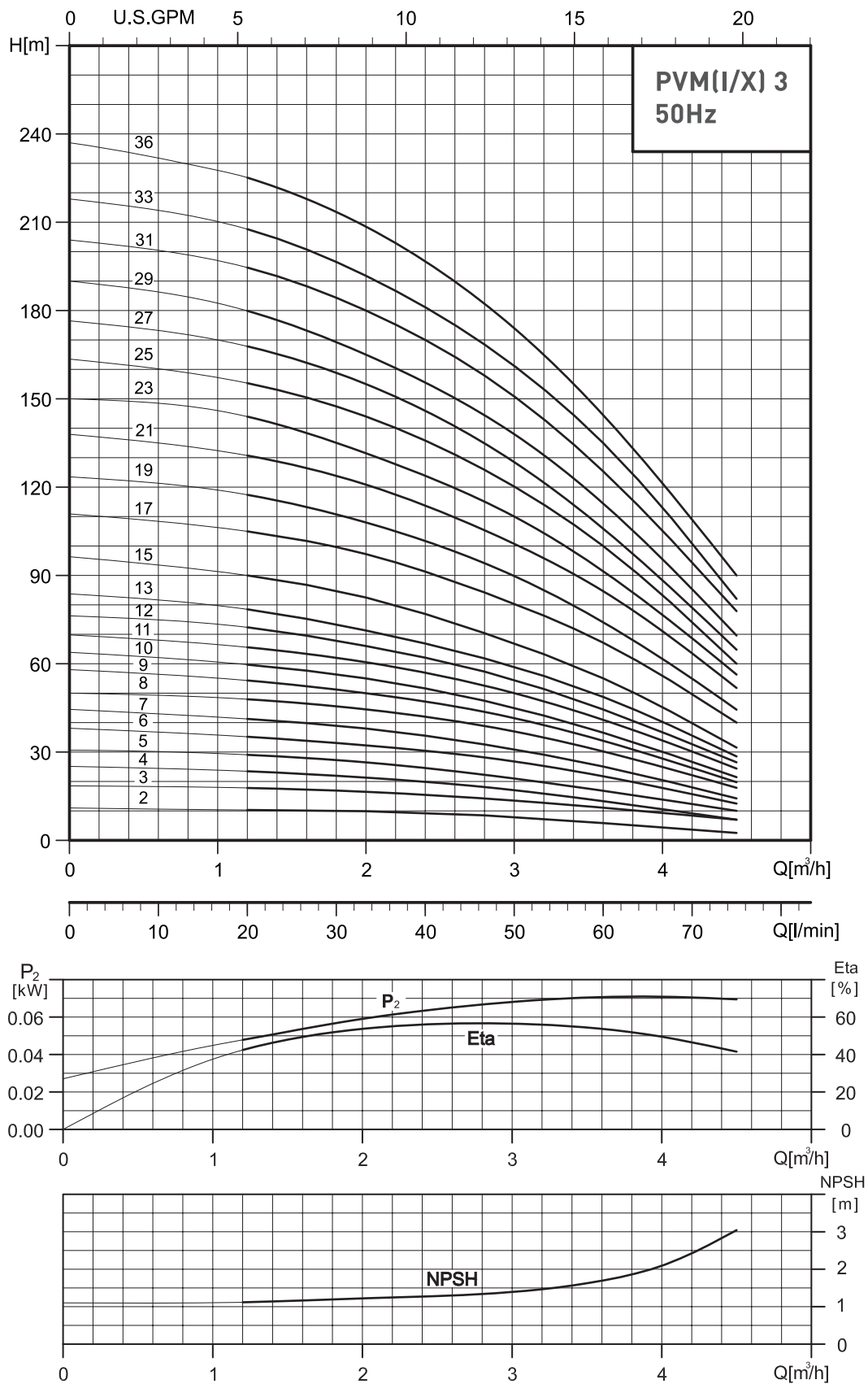
Flange(DIN-ANSI-JIS)
PN 25 / DN25/32



PVM/PVMI/PVMX 3

SURFACE PUMPS - VERTICAL MULTISTAGE

PERFORMANCE

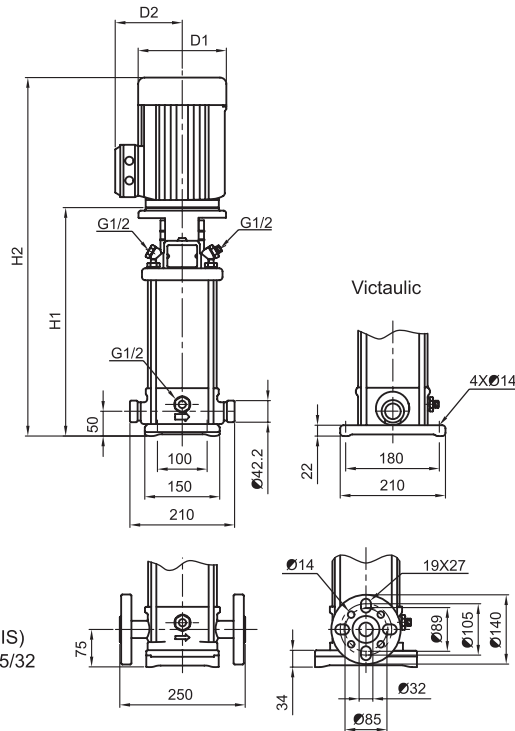
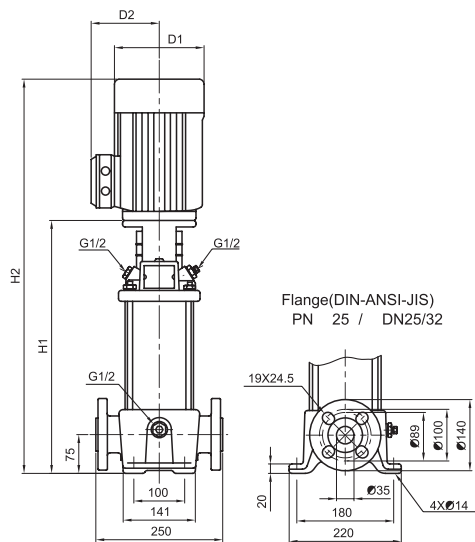


PVM/PVMI/PVMX 3

SURFACE PUMPS - VERTICAL MULTISTAGE

PVM/PVMI/PVMX 3

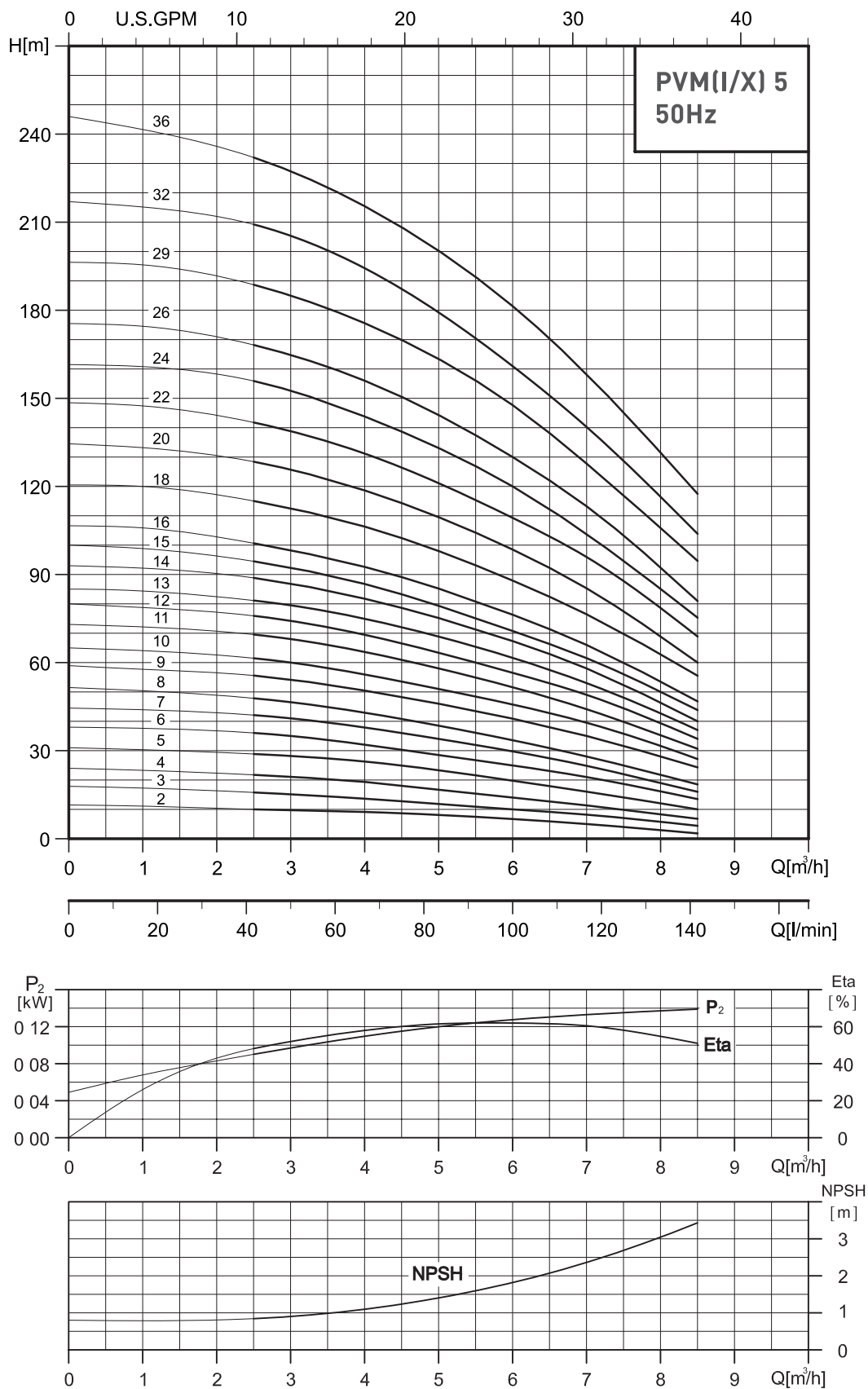
Dimensions [mm]							Dimensions [mm]						
Type	P2	[kg]	H1	H2	D1	D2	Type	P2	[kg]	H1	H2	D1	D2
PVM 03-02	0.37 kW	23.4	279	474	141	115	PVMI/PVMX 03-02	0.37 kW	20.2	282	477	141	115
PVM 03-03	0.37 kW	23.4	279	474	141	115	PVMI/PVMX 03-03	0.37 kW	20.3	282	477	141	115
PVM 03-04	0.37 kW	23.8	297	492	141	115	PVMI/PVMX 03-04	0.37 kW	20.6	300	495	141	115
PVM 03-05	0.37 kW	24.2	315	510	141	115	PVMI/PVMX 03-05	0.37 kW	21	318	513	141	115
PVM 03-06	0.55 kW	25	333	528	141	115	PVMI/PVMX 03-06	0.55 kW	21.9	336	531	141	115
PVM 03-07	0.55 kW	25.4	351	546	141	115	PVMI/PVMX 03-07	0.55 kW	22.2	354	549	141	115
PVM 03-08	0.75 kW	27.9	375	610	141	115	PVMI/PVMX 03-08	0.75 kW	24.6	378	613	141	115
PVM 03-09	0.75 kW	28.3	393	628	141	115	PVMI/PVMX 03-09	0.75 kW	25	396	631	141	115
PVM 03-10	0.75 kW	28.7	411	646	141	115	PVMI/PVMX 03-10	0.75 kW	25.4	414	649	141	115
PVM 03-11	1.1 kW	30.2	429	664	141	115	PVMI/PVMX 03-11	1.1 kW	26.9	432	667	141	115
PVM 03-12	1.1 kW	30.5	447	682	141	115	PVMI/PVMX 03-12	1.1 kW	27.2	450	685	141	115
PVM 03-13	1.1 kW	30.9	465	700	141	115	PVMI/PVMX 03-13	1.1 kW	27.6	468	703	141	115
PVM 03-15	1.1 kW	31.6	501	736	141	115	PVMI/PVMX 03-15	1.1 kW	28.3	504	739	141	115
PVM 03-17	1.5 kW	41	553	820	180	138	PVMI/PVMX 03-17	1.5 kW	37.8	180	138	177	141
PVM 03-19	1.5 kW	41.8	589	856	180	138	PVMI/PVMX 03-19	1.5 kW	38.5	180	138	177	141
PVM 03-21	2.2 kW	45.3	625	892	180	138	PVMI/PVMX 03-21	2.2 kW	42.1	180	138	177	141
PVM 03-23	2.2 kW	46.1	661	928	180	138	PVMI/PVMX 03-23	2.2 kW	42.9	180	138	177	141
PVM 03-25	2.2 kW	46.8	697	964	180	138	PVMI/PVMX 03-25	2.2 kW	43.6	180	138	177	141
PVM 03-27	2.2 kW	47.6	733	1000	180	138	PVMI/PVMX 03-27	2.2 kW	44.3	180	138	177	141
PVM 03-29	2.2 kW	48.3	769	1036	180	138	PVMI/PVMX 03-29	2.2 kW	45.1	180	138	177	141
PVM 03-31	3 kW	56.6	809	1130	194	145	PVMI/PVMX 03-31	3 kW	53	194	145	197	147
PVM 03-33	3 kW	57.4	845	1166	194	145	PVMI/PVMX 03-33	3 kW	53.7	194	145	197	147
PVM 03-36	3 kW	58.5	899	1220	194	145	PVMI/PVMX 03-36	3 kW	54.8	194	145	197	147



PVM/PVMI/PVMX 5

SURFACE PUMPS - VERTICAL MULTISTAGE

PERFORMANCE



SURFACE PUMPS - VERTICAL MULTISTAGE

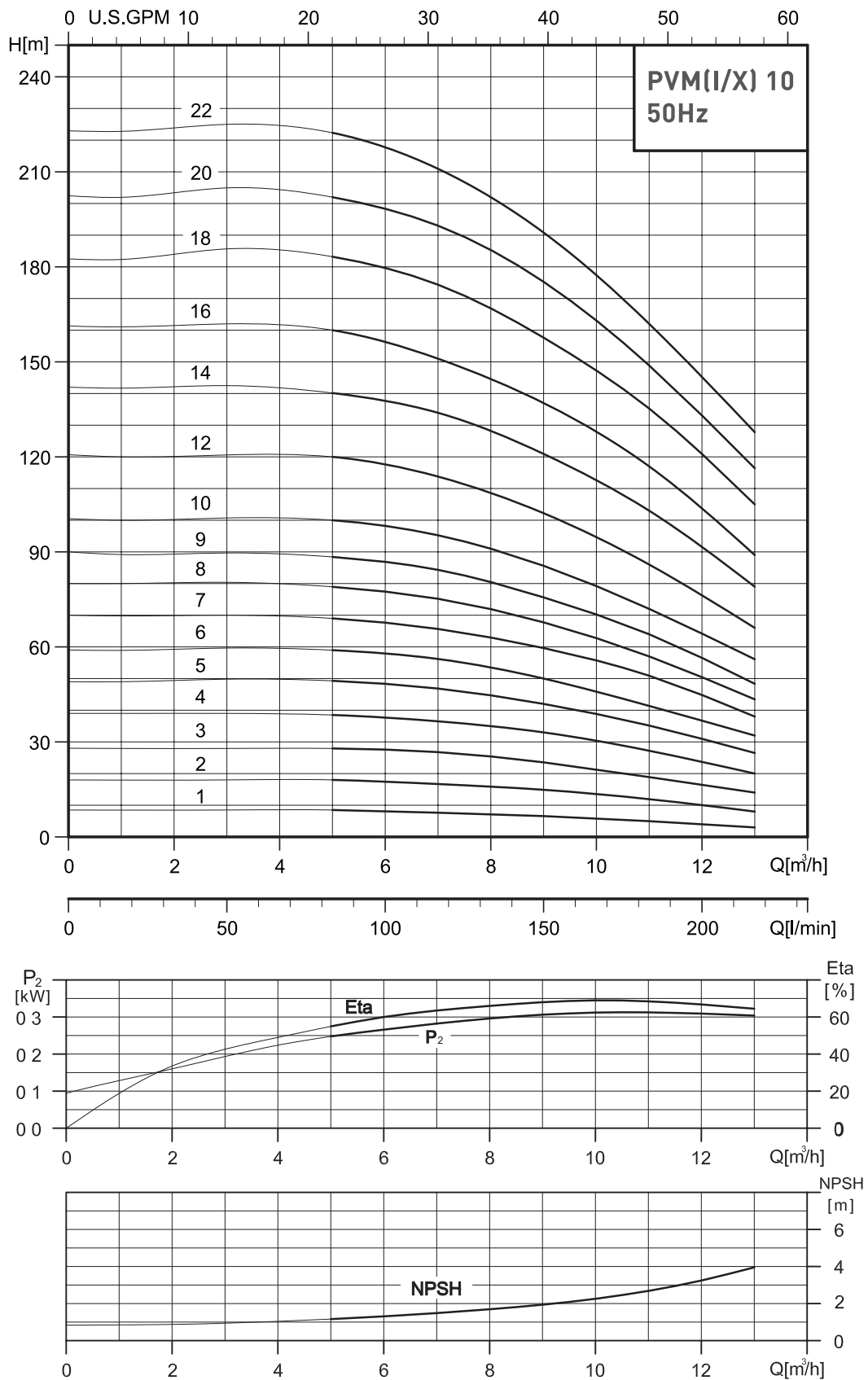
Dimensions [mm]								Dimensions [mm]							
Type	P2	[kg]	H1	H2	D1	D2	D3	Type	P2	[kg]	H1	H2	D1	D2	D3
PVM 05-02	0.37 kW	23.3	279	474	141	115		PVMI/PVMX 05-02	0.37 kW	20.1	282	477	141	115	
PVM 05-03	0.55 kW	24.2	306	501	141	115		PVMI/PVMX 05-03	0.55 kW	21.2	309	504	141	115	
PVM 05-04	0.55 kW	24.8	333	528	141	115		PVMI/PVMX 05-04	0.55 kW	21.8	336	531	141	115	
PVM 05-05	0.75 kW	27.4	366	601	141	115		PVMI/PVMX 05-05	0.75 kW	24.3	369	604	141	115	
PVM 05-06	1.1 kW	29.1	393	628	141	115		PVMI/PVMX 05-06	1.1 kW	26	396	631	141	115	
PVM 05-07	1.1 kW	29.6	420	655	141	115		PVMI/PVMX 05-07	1.1 kW	26.5	423	658	141	115	
PVM 05-08	1.1 kW	30.1	447	682	141	115		PVMI/PVMX 05-08	1.1 kW	27.1	450	685	141	115	
PVM 05-09	1.5 kW	39.3	490	757	180	138		PVMI/PVMX 05-09	1.5 kW	36.4	493	760	180	138	
PVM 05-10	1.5 kW	39.9	517	784	180	138		PVMI/PVMX 05-10	1.5 kW	36.9	520	787	180	138	
PVM 05-11	2.2 kW	43.2	544	811	180	138		PVMI/PVMX 05-11	2.2 kW	40.3	547	814	180	138	
PVM 05-12	2.2 kW	43.7	571	838	180	138		PVMI/PVMX 05-12	2.2 kW	40.8	574	841	180	138	
PVM 05-13	2.2 kW	44.2	598	865	180	138		PVMI/PVMX 05-13	2.2 kW	41.4	601	868	180	138	
PVM 05-14	2.2 kW	44.8	625	892	180	138		PVMI/PVMX 05-14	2.2 kW	41.9	628	895	180	138	
PVM 05-15	2.2 kW	45.2	652	919	180	138		PVMI/PVMX 05-15	2.2 kW	42.5	655	922	180	138	
PVM 05-16	2.2 kW	45.8	679	946	180	138		PVMI/PVMX 05-16	2.2 kW	43	682	949	180	138	
PVM 05-18	3 kW	54.3	737	1058	194	145		PVMI/PVMX 05-18	3 kW	51.3	740	1061	194	145	
PVM 05-20	3 kW	55.5	791	1112	194	145		PVMI/PVMX 05-20	3 kW	52.5	794	1115	194	145	
PVM 05-22	4 kW	59.8	845	1173	225	160		PVMI/PVMX 05-22	4 kW	56.8	848	1176	225	160	
PVM 05-24	4 kW	60.8	899	1227	225	160		PVMI/PVMX 05-24	4 kW	57.8	902	1230	225	160	
PVM 05-26	4 kW	62.7	953	1281	225	160		PVMI/PVMX 05-26	4 kW	58.9	956	1284	225	160	
PVM 05-29	4 kW	64.6	1034	1362	225	160		PVMI/PVMX 05-29	4 kW	60.6	1037	1365	225	160	
PVM 05-32	5.5 kW	90.1	1145	1510	248	194	300	PVMI/PVMX 05-32	5.5 kW	85.8	1148	1513	248	194	300
PVM 05-36	5.5 kW	92.6	1253	1618	248	194	300	PVMI/PVMX 05-36	5.5 kW	88.1	1256	1621	248	194	300



PVM/PVMI/PVMX 10

SURFACE PUMPS - VERTICAL MULTISTAGE

PERFORMANCE

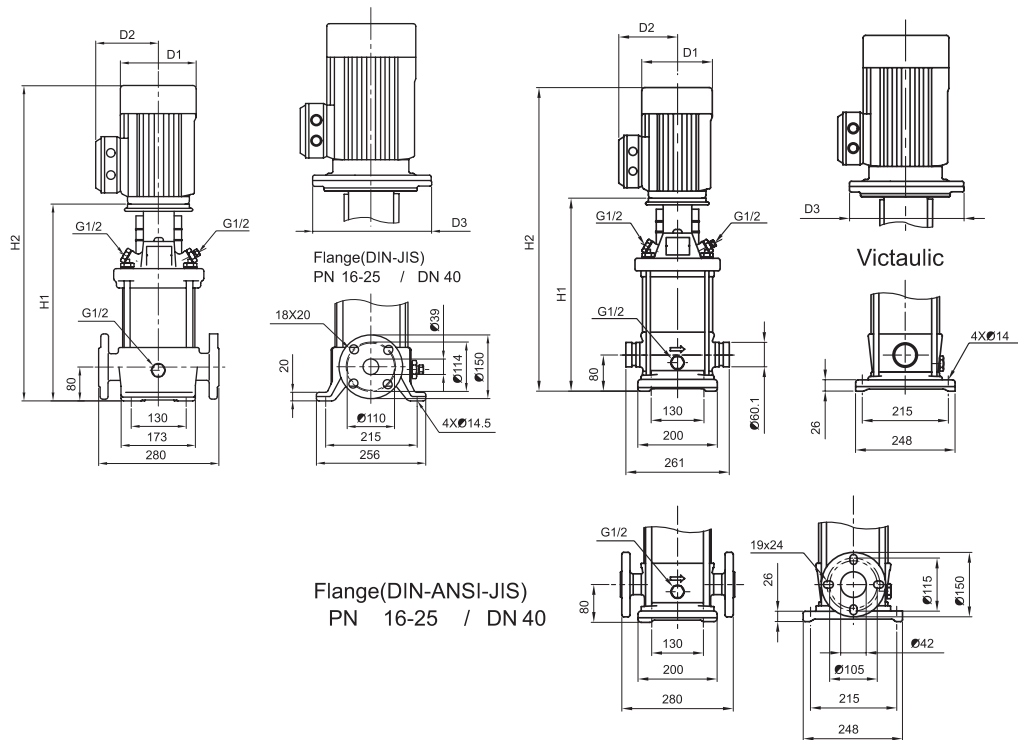


PVM/PVMI/PVMX 10

SURFACE PUMPS - VERTICAL MULTISTAGE

PVM/PVMI/PVMX 10

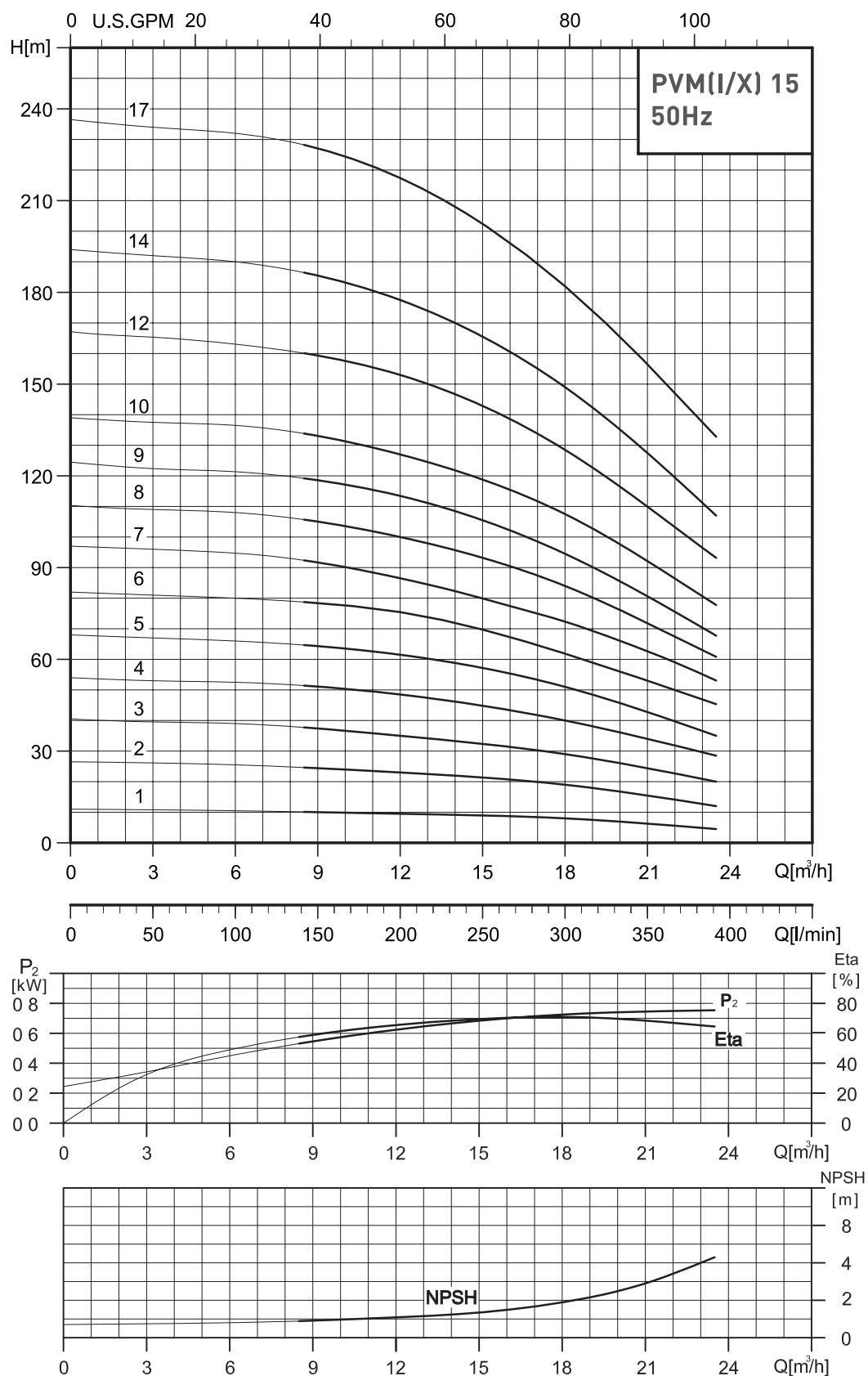
Dimensions [mm]								Dimensions [mm]							
Type	P2	[kg]	H1	H2	D1	D2	D3	Type	P2	[kg]	H1	H2	D1	D2	D3
PVM 10-01	0.37 kW	35.9	343	538	141	115		PVMI/PVMX 10-01	0.37 kW	31.4	353	548	141	115	
PVM 10-02	0.75 kW	38.2	347	582	141	115		PVMI/PVMX 10-02	0.75 kW	34.2	357	592	141	115	
PVM 10-03	1.1 kW	40.3	377	612	141	115		PVMI/PVMX 10-03	1.1 kW	36.3	387	622	141	115	
PVM 10-04	1.5 kW	50.1	423	690	180	138		PVMI/PVMX 10-04	1.5 kW	46	433	700	180	138	
PVM 10-05	2.2 kW	53.9	453	720	180	138		PVMI/PVMX 10-05	2.2 kW	49.8	463	730	180	138	
PVM 10-06	2.2 kW	55	483	750	180	138		PVMI/PVMX 10-06	2.2 kW	50.8	493	760	180	138	
PVM 10-07	3 kW	63.8	518	839	194	145		PVMI/PVMX 10-07	3 kW	58.9	528	849	194	145	
PVM 10-08	3 kW	64.9	548	869	194	145		PVMI/PVMX 10-08	3 kW	60	558	879	194	145	
PVM 10-09	3 kW	65.9	578	899	194	145		PVMI/PVMX 10-09	3 kW	61	588	909	194	145	
PVM 10-10	4 kW	70.3	608	936	225	160		PVMI/PVMX 10-10	4 kW	65.4	618	946	225	160	
PVM 10-12	4 kW	72.4	668	996	225	160		PVMI/PVMX 10-12	4 kW	67.5	678	1006	225	160	
PVM 10-14	5.5 kW	104.1	760	1125	248	194	300	PVMI/PVMX 10-14	5.5 kW	100.3	770	1135	248	194	300
PVM 10-16	5.5 kW	106.2	820	1185	248	194	300	PVMI/PVMX 10-16	5.5 kW	102.4	830	1195	248	194	300
PVM 10-18	7.5 kW	113.6	880	1265	248	194	300	PVMI/PVMX 10-18	7.5 kW	110.8	890	1275	248	194	300
PVM 10-20	7.5 kW	116.7	940	1325	248	194	300	PVMI/PVMX 10-20	7.5 kW	112.8	950	1335	248	194	300
PVM 10-22	7.5 kW	118.8	1000	1385	248	194	300	PVMI/PVMX 10-22	7.5 kW	114.9	1010	1395	248	194	300



PVM/PVMI/PVMX 15

SURFACE PUMPS - VERTICAL MULTISTAGE

PERFORMANCE

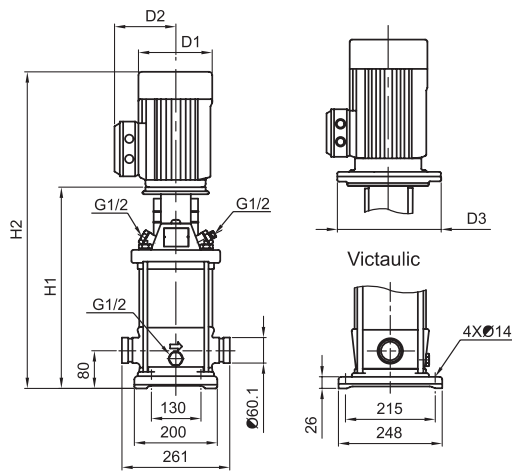
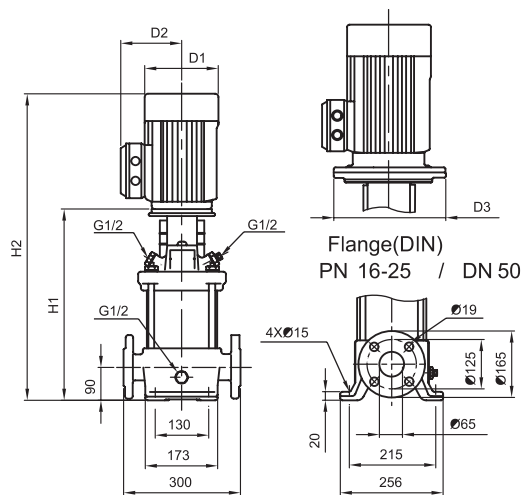


PVM/PVMI/PVMX 15

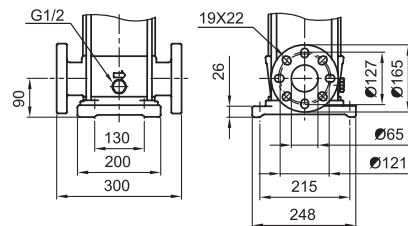
SURFACE PUMPS - VERTICAL MULTISTAGE

PVM/PVMI/PVMX 15

Dimensions [mm]								Dimensions [mm]							
Type	P2	[kg]	H1	H2	D1	D2	D3	Type	P2	[kg]	H1	H2	D1	D2	D3
PVM 15-01	1.1 kW	43.8	400	635	141	115		PVMI/PVMX 15-01	1.1 kW	36.6	397	632	141	115	
PVM 15-02	2.2 kW	55.7	415	682	180	138		PVMI/PVMX 15-02	2.2 kW	48.3	413	680	180	138	
PVM 15-03	3 kW	64.9	465	786	194	145		PVMI/PVMX 15-03	3 kW	56.7	463	784	194	145	
PVM 15-04	4 kW	69.7	510	838	225	160		PVMI/PVMX 15-04	4 kW	61.6	508	836	225	160	
PVM 15-05	4 kW	71.2	555	883	225	160		PVMI/PVMX 15-05	4 kW	63	553	881	225	160	
PVM 15-06	5.5 kW	102.3	632	997	248	194	300	PVMI/PVMX 15-06	5.5 kW	95.3	630	995	248	194	300
PVM 15-07	5.5 kW	103.8	677	1042	248	194	300	PVMI/PVMX 15-07	5.5 kW	96.7	675	1040	248	194	300
PVM 15-08	7.5 kW	111.8	722	1107	248	194	300	PVMI/PVMX 15-08	7.5 kW	104.7	720	1105	248	194	300
PVM 15-09	7.5 kW	113.3	767	1152	248	194	300	PVMI/PVMX 15-09	7.5 kW	106.2	765	1150	248	194	300
PVM 15-10	11 kW	150	889	1387	317	238	350	PVMI/PVMX 15-10	11 kW	143.3	887	1385	317	238	350
PVM 15-12	11 kW	153	979	1477	317	238	350	PVMI/PVMX 15-12	11 kW	146.2	977	1475	317	238	350
PVM 15-14	11 kW	156.3	1069	1567	317	238	350	PVMI/PVMX 15-14	11 kW	149.1	1067	1565	317	238	350
PVM 15-17	15 kW	171.5	1204	1702	317	238	350	PVMI/PVMX 15-17	15 kW	163.5	1202	1700	317	238	350



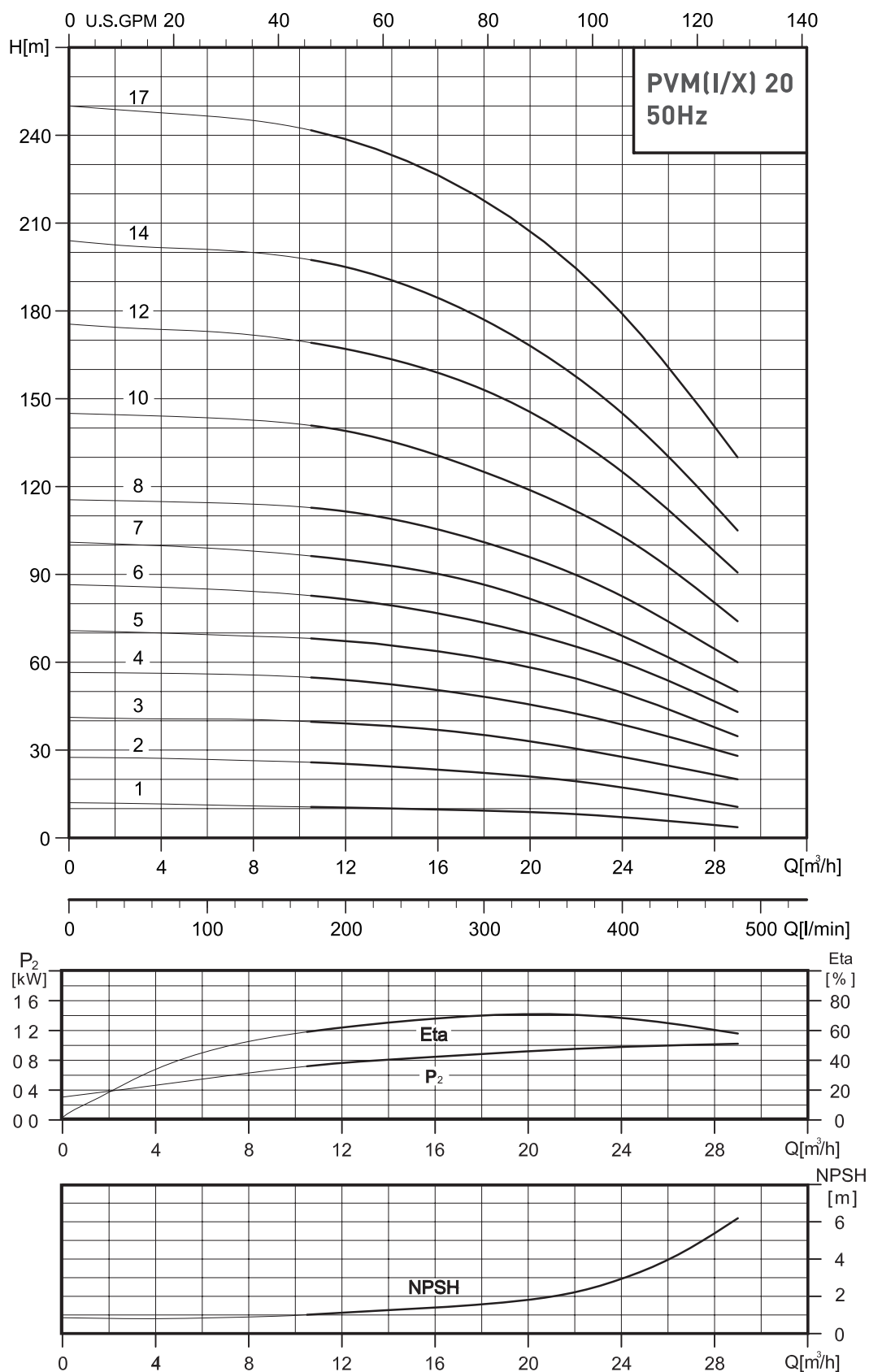
Flange(DIN-ANSI-JIS)
PN 16-25 / DN 50



PVM/PVMI/PVMX 20

SURFACE PUMPS - VERTICAL MULTISTAGE

PERFORMANCE

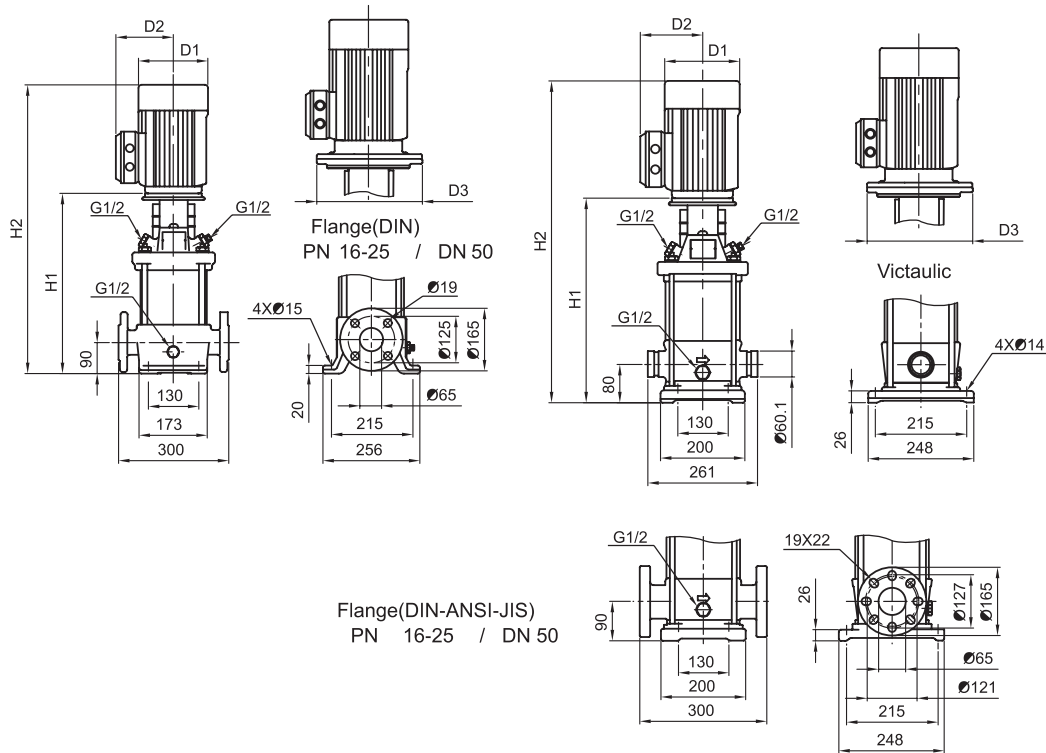


PVM/PVMI/PVMX 20

SURFACE PUMPS - VERTICAL MULTISTAGE

PVM/PVMI/PVMX 20

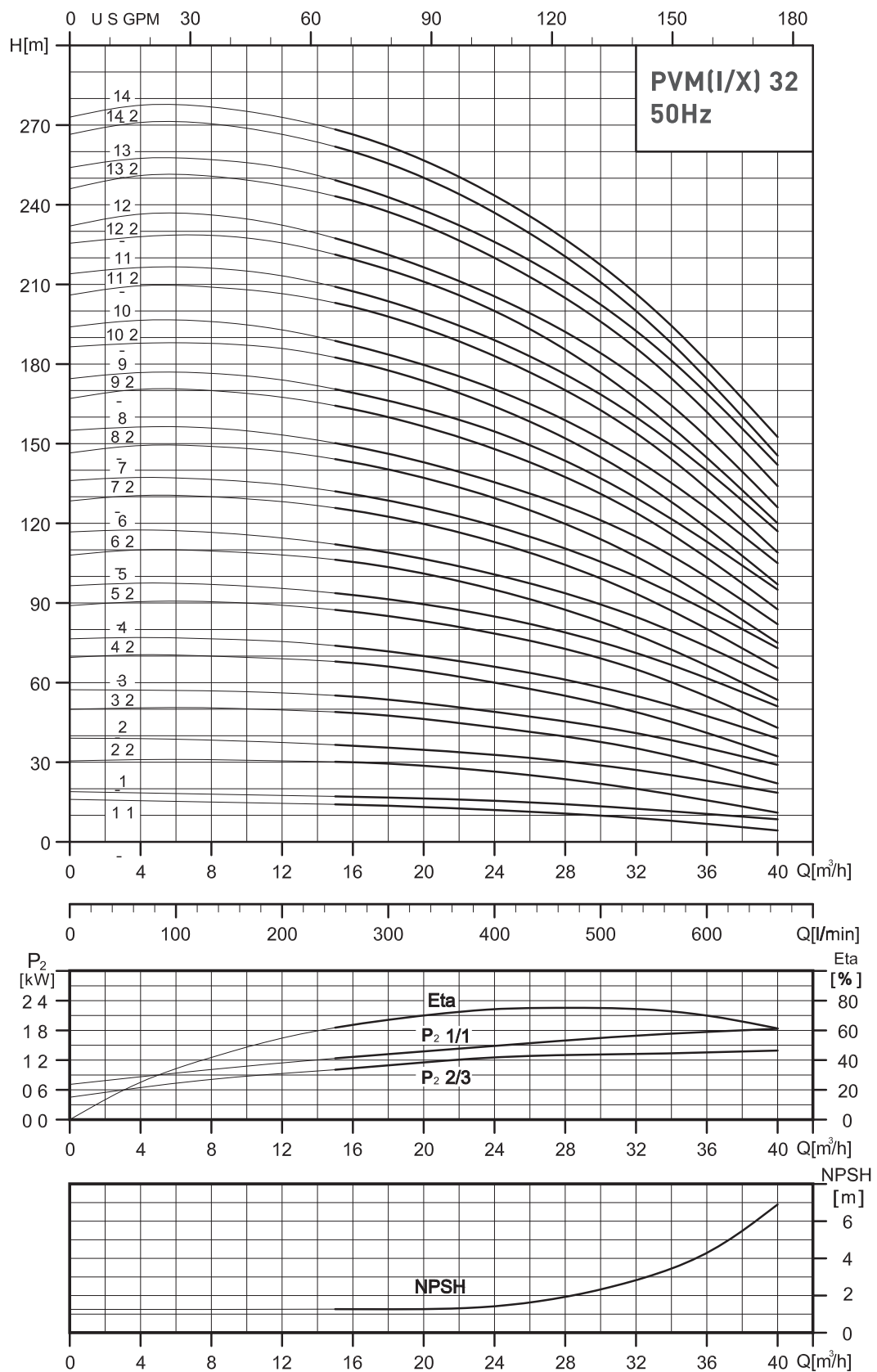
Dimensions [mm]								Dimensions [mm]							
Type	P2	[kg]	H1	H2	D1	D2	D3	Type	P2	[kg]	H1	H2	D1	D2	D3
PVM 20-01	1.1 kW	43.9	400	636	141	115		PVMI/PVMX 20-01	1.1 kW	36.6	397	632	141	115	
PVM 20-02	2.2 kW	55.7	415	682	180	138		PVMI/PVMX 20-02	2.2 kW	48.3	413	680	180	138	
PVM 20-03	4 kW	68.3	465	793	225	160		PVMI/PVMX 20-03	4 kW	60.2	463	791	225	160	
PVM 20-04	5.5 kW	99.4	542	907	248	194	300	PVMI/PVMX 20-04	5.5 kW	92.3	540	905	248	194	300
PVM 20-05	5.5 kW	100.8	587	952	248	194	300	PVMI/PVMX 20-05	5.5 kW	93.8	585	950	248	194	300
PVM 20-06	7.5 kW	108.6	632	1017	248	194	300	PVMI/PVMX 20-06	7.5 kW	101.6	630	1015	248	194	300
PVM 20-07	7.5 kW	110.1	677	1062	248	194	300	PVMI/PVMX 20-07	7.5 kW	103	675	1060	248	194	300
PVM 20-08	11 kW	147.1	799	1297	317	238	350	PVMI/PVMX 20-08	11 kW	140.3	797	1295	317	238	350
PVM 20-10	11 kW	150	889	1387	317	238	350	PVMI/PVMX 20-10	11 kW	143.3	887	1385	317	238	350
PVM 20-12	15 kW	163.1	979	1477	317	238	350	PVMI/PVMX 20-12	15 kW	156.3	977	1475	317	238	350
PVM 20-14	15 kW	166	1069	1567	317	238	350	PVMI/PVMX 20-14	15 kW	159.2	1067	1565	317	238	350
PVM 20-17	18.5 kW	195.4	1204	1746	317	238	350	PVMI/PVMX 20-17	18.5 kW	188.5	1202	1744	317	238	350



PVM/PVMI/PVMX 32

SURFACE PUMPS - VERTICAL MULTISTAGE

PERFORMANCE

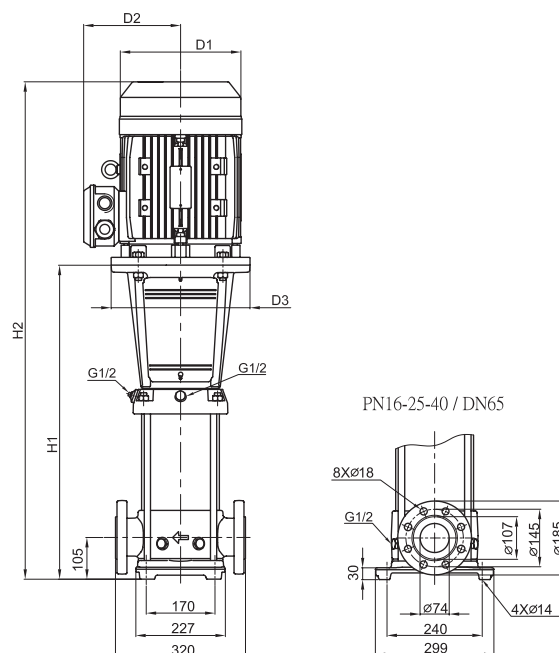
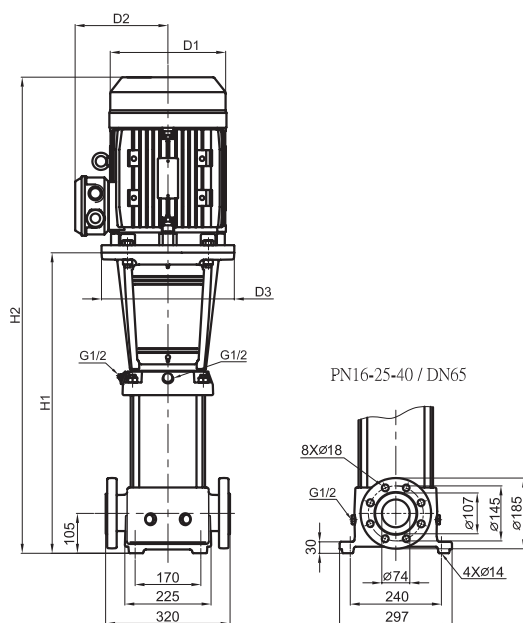


PVM/PVMI/PVMX 32

SURFACE PUMPS - VERTICAL MULTISTAGE

PVM/PVMI/PVMX 32

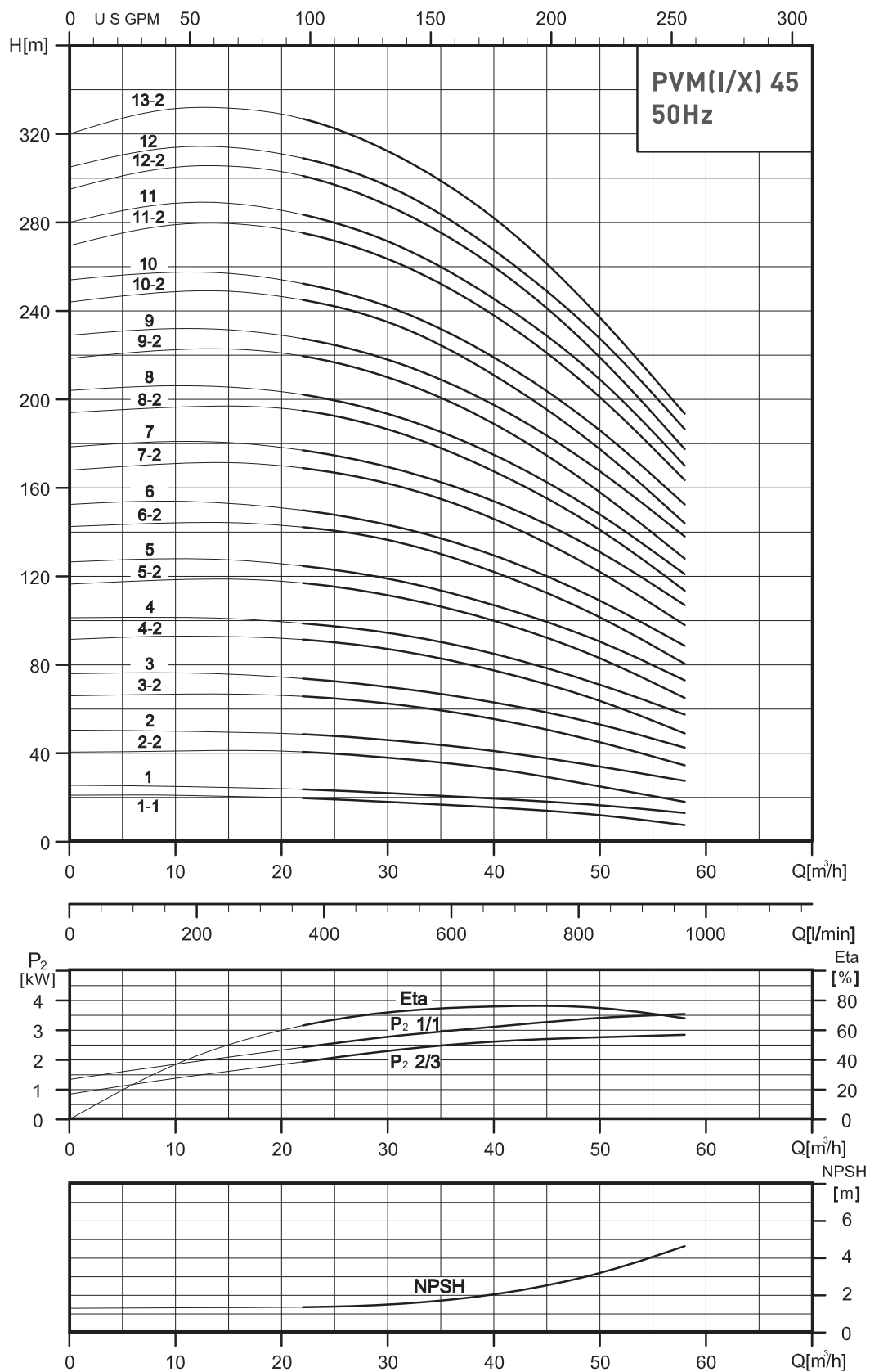
Dimensions [mm]								Dimensions [mm]							
Type	P2	[kg]	H1	H2	D1	D2	D3	Type	P2	[kg]	H1	H2	D1	D2	D3
PVM 32-1-1	1.5 kW	71.5	504	771	180	138	280	PVMI/PVMX 32-1-1	1.5 kW	66.5	504	269	180	138	280
PVM 32-1	2.2 kW	74.3	504	771	180	138	280	PVMI/PVMX 32-1-1	1.5 kW	66.5	504	269	180	138	280
PVM 32-2-2	3 kW	84.2	574	895	194	145	280	PVMI/PVMX 32-1	2.2 kW	69.3	504	269	180	138	280
PVM 32-2	4 kW	87.6	574	902	225	160	280	PVMI/PVMX 32-2-2	3 kW	79.1	574	895	194	145	280
PVM 32-3-2	5.5 kW	110.2	644	1009	248	194	300	PVMI/PVMX 32-2	4 kW	82.5	574	902	225	160	280
PVM 32-3	5.5 kW	110.2	644	1009	248	194	300	PVMI/PVMX 32-3-2	5.5 kW	105.1	644	1009	248	194	300
PVM 32-4-2	7.5 kW	119.5	714	1099	248	194	300	PVMI/PVMX 32-3	5.5 kW	105.1	644	1009	248	194	300
PVM 32-4	7.5 kW	119.5	714	1099	248	194	300	PVMI/PVMX 32-4-2	7.5 kW	114.5	714	1099	248	194	300
PVM 32-5-2	11 kW	163.3	894	1392	317	238	350	PVMI/PVMX 32-4	7.5 kW	114.6	714	1099	248	194	300
PVM 32-5	11 kW	163.3	894	1392	317	238	350	PVMI/PVMX 32-5-2	11 kW	158.2	894	1392	317	238	350
PVM 32-6-2	11 kW	166.3	964	1462	317	238	350	PVMI/PVMX 32-5	11 kW	158.3	894	1392	317	238	350
PVM 32-6	11 kW	166.3	964	1462	317	238	350	PVMI/PVMX 32-6-2	11 kW	161.3	964	1462	317	238	350
PVM 32-7-2	15 kW	179.5	1034	1532	317	238	350	PVMI/PVMX 32-6	11 kW	161.4	964	1462	317	238	350
PVM 32-7	15 kW	179.5	1034	1532	317	238	350	PVMI/PVMX 32-7-2	15 kW	174.6	1034	1532	317	238	350
PVM 32-8-2	15 kW	182.6	1104	1602	317	238	350	PVMI/PVMX 32-7	15 kW	174.6	1034	1532	317	238	350
PVM 32-8	15 kW	182.6	1104	1602	317	238	350	PVMI/PVMX 32-8-2	15 kW	177.9	1104	1602	317	238	350
PVM 32-9-2	18.5 kW	210.6	1174	1716	317	238	350	PVMI/PVMX 32-8	15 kW	177.9	1104	1602	317	238	350
PVM 32-9	18.5 kW	210.6	1174	1716	317	238	350	PVMI/PVMX 32-9-2	18.5 kW	205.5	1174	1716	317	238	350
PVM 32-10-2	18.5 kW	212.7	1244	1786	317	238	350	PVMI/PVMX 32-9	18.5 kW	205.6	1174	1716	317	238	350
PVM 32-10	18.5 kW	213.7	1244	1786	317	238	350	PVMI/PVMX 32-10-2	18.5 kW	208.1	1244	1786	317	238	350
PVM 32-11-2	22 kW	258.8	1314	1894	358	265	350	PVMI/PVMX 32-10	18.5 kW	208.2	1244	1786	317	238	350
PVM 32-11	22 kW	258.8	1314	1894	358	265	350	PVMI/PVMX 32-11-2	22 kW	253.6	1314	1894	358	265	350
PVM 32-12-2	22 kW	260.8	1384	1964	358	265	350	PVMI/PVMX 32-11	22 kW	253.6	1314	1894	358	265	350
PVM 32-12	22 kW	260.8	1384	1964	358	265	350	PVMI/PVMX 32-12-2	22 kW	256.3	1384	1964	358	265	350
PVM 32-13-2	30 kW	328.2	1454	2114	420	295	400	PVMI/PVMX 32-12	22 kW	256.3	1384	1964	358	265	350
PVM 32-13	30 kW	328.2	1454	2114	420	295	400	PVMI/PVMX 32-13-2	30 kW	323.6	1454	2114	420	295	400
PVM 32-14-2	30 kW	331.3	1524	2184	420	295	400	PVMI/PVMX 32-13	30 kW	323.6	1454	2114	420	295	400
PVM 32-14	30 kW	331.3	1524	2184	420	295	400	PVMI/PVMX 32-14-2	30 kW	326.3	1524	2184	420	295	400



PVM/PVMI/PVMX 45

SURFACE PUMPS - VERTICAL MULTISTAGE

PERFORMANCE

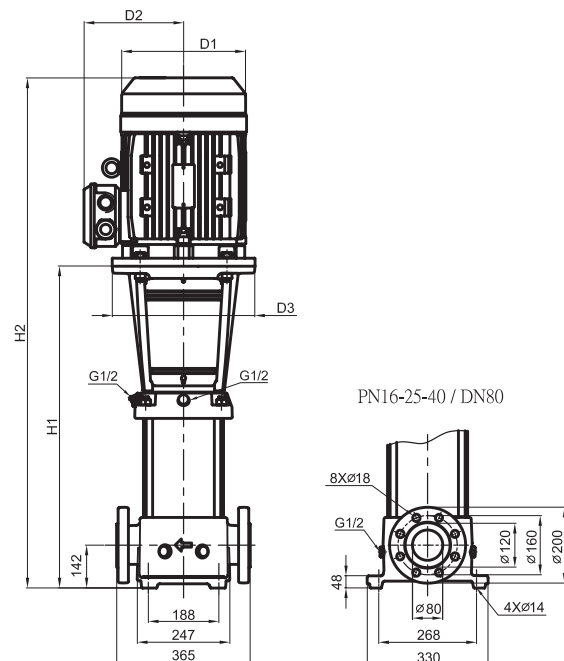
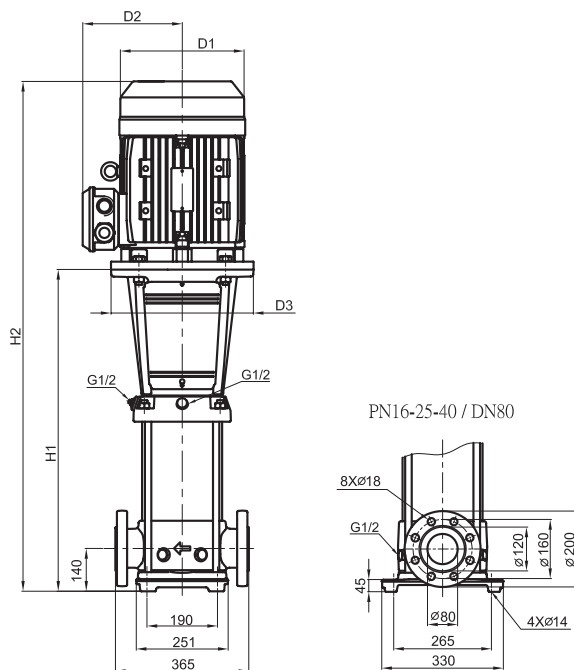


PVM/PVMI/PVMX 45

SURFACE PUMPS - VERTICAL MULTISTAGE

PVM/PVMI/PVMX 45

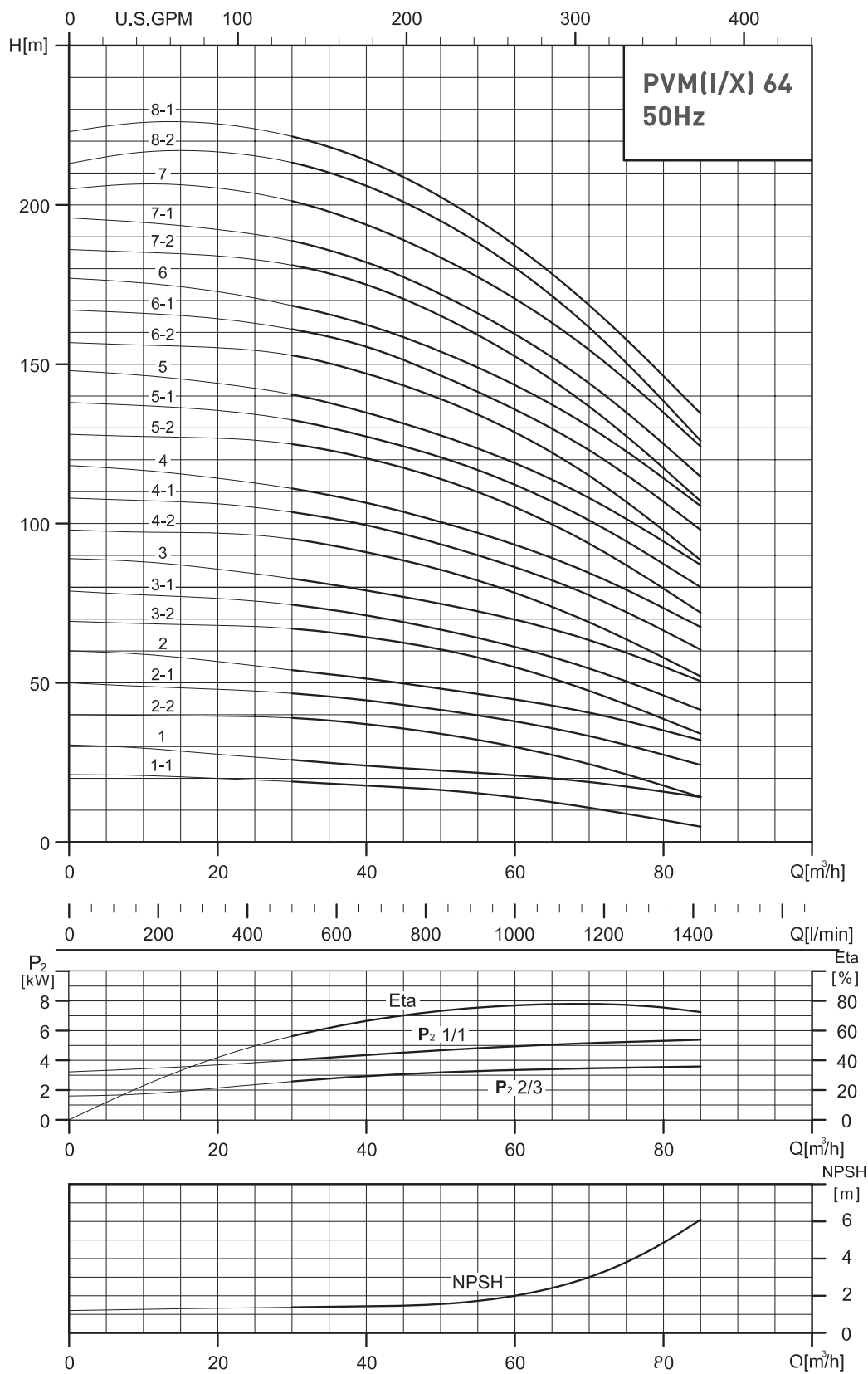
Dimensions [mm]								Dimensions [mm]							
Type	P2	[kg]	H1	H2	D1	D2	D3	Type	P2	[kg]	H1	H2	D1	D2	D3
PVM 45-1-1	3 kW	91.7	560	324	194	145	280	PVMI/PVMX 45-1-1	3 kW	82.9	559	880	194	145	280
PVM 45-1	4 kW	95.1	560	889	160	225	280	PVMI/PVMX 45-1	4 kW	86.3	559	887	160	225	280
PVM 45-2-2	5.5 kW	118.3	640	1006	248	194	300	PVMI/PVMX 45-2-2	5.5 kW	109.5	639	1004	248	194	300
PVM 45-2	7.5 kW	124.6	640	1026	248	194	300	PVMI/PVMX 45-2	7.5 kW	115.8	639	1024	248	194	300
PVM 45-3-2	11 kW	169	830	1329	317	238	350	PVMI/PVMX 45-3-2	11 kW	160.2	829	1327	317	238	350
PVM 45-3	11 kW	169	830	1329	317	238	350	PVMI/PVMX 45-3	11 kW	160.2	829	1327	317	238	350
PVM 45-4-2	15 kW	182.9	910	1409	317	238	350	PVMI/PVMX 45-4-2	15 kW	174.1	909	1407	317	238	350
PVM 45-4	15 kW	182.9	910	1409	317	238	350	PVMI/PVMX 45-4	15 kW	174.1	909	1407	317	238	350
PVM 45-5-2	18.5 kW	211.6	990	1533	317	238	350	PVMI/PVMX 45-5-2	18.5 kW	202.8	989	1531	317	238	350
PVM 45-5	18.5 kW	211.6	990	1533	317	238	350	PVMI/PVMX 45-5	18.5 kW	202.8	989	1531	317	238	350
PVM 45-6-2	22 kW	258.1	1070	1650	358	265	350	PVMI/PVMX 45-6-2	22 kW	249.3	1069	1649	358	265	350
PVM 45-6	22 kW	258.1	1070	1650	358	265	350	PVMI/PVMX 45-6	22 kW	249.3	1069	1649	358	265	350
PVM 45-7-2	30 kW	326.4	1150	1810	420	295	400	PVMI/PVMX 45-7-2	30 kW	317.7	1149	1809	420	295	400
PVM 45-7	30 kW	326.5	1150	1810	420	295	400	PVMI/PVMX 45-7	30 kW	317.7	1149	1809	420	295	400
PVM 45-8-2	30 kW	330.2	1230	1890	420	295	400	PVMI/PVMX 45-8-2	30 kW	321.4	1229	1889	420	295	400
PVM 45-8	30 kW	331.3	1230	1890	420	295	400	PVMI/PVMX 45-8	30 kW	321.5	1229	1889	420	295	400
PVM 45-9-2	30 kW	334	1310	1970	420	295	400	PVMI/PVMX 45-9-2	30 kW	325.2	1309	1969	420	295	400
PVM 45-9	37 kW	347	1310	1970	420	295	400	PVMI/PVMX 45-9	37 kW	338.2	1309	1969	420	295	400
PVM 45-10-2	37 kW	350.7	1390	2050	420	295	400	PVMI/PVMX 45-10-2	37 kW	341.9	1389	2049	420	295	400
PVM 45-10	37 kW	350.7	1390	2050	420	295	400	PVMI/PVMX 45-10	37 kW	341.9	1389	2049	420	295	400
PVM 45-11-2	45 kW	412.5	1470	2160	470	325	450	PVMI/PVMX 45-11-2	45 kW	403.7	1469	2159	470	325	450
PVM 45-11	45 kW	412.5	1470	2160	470	325	450	PVMI/PVMX 45-11	45 kW	403.7	1469	2159	470	325	450
PVM 45-12-2	45 kW	416.2	1550	2240	470	325	450	PVMI/PVMX 45-12-2	45 kW	407.4	1549	2239	470	325	450
PVM 45-12	45 kW	416.2	1550	2240	470	325	450	PVMI/PVMX 45-12	45 kW	407.4	1549	2239	470	325	450
PVM 45-13-2	45 kW	419.9	1630	2320	470	325	450	PVMI/PVMX 45-13-2	45 kW	411.1	1629	2319	470	325	450



PVM/PVMI/PVMX 64

SURFACE PUMPS - VERTICAL MULTISTAGE

PERFORMANCE

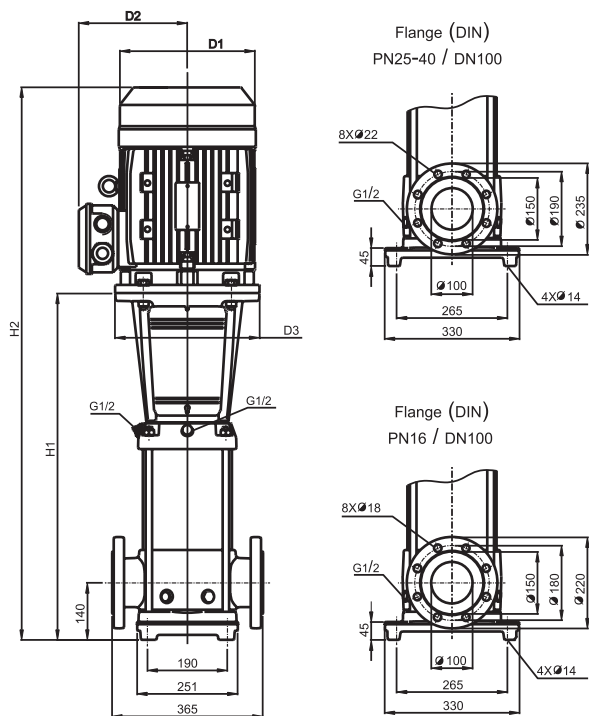
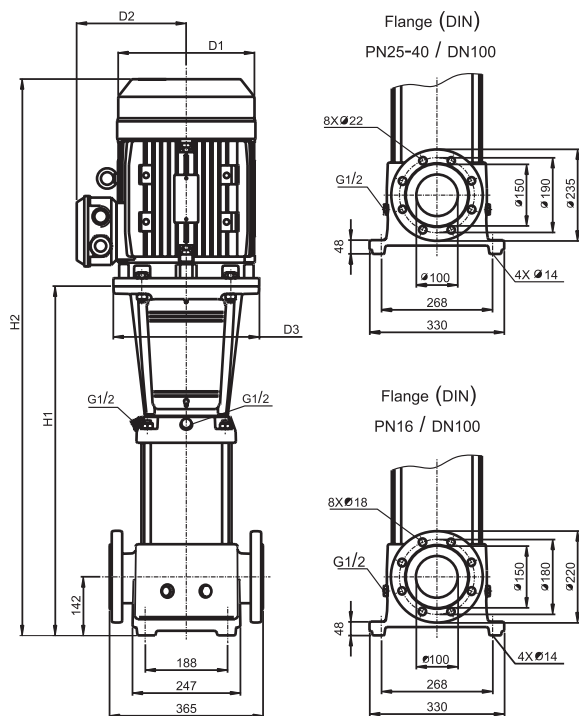


PVM/PVMI/PVMX 64

SURFACE PUMPS - VERTICAL MULTISTAGE

PVM/PVMI/PVMX 64

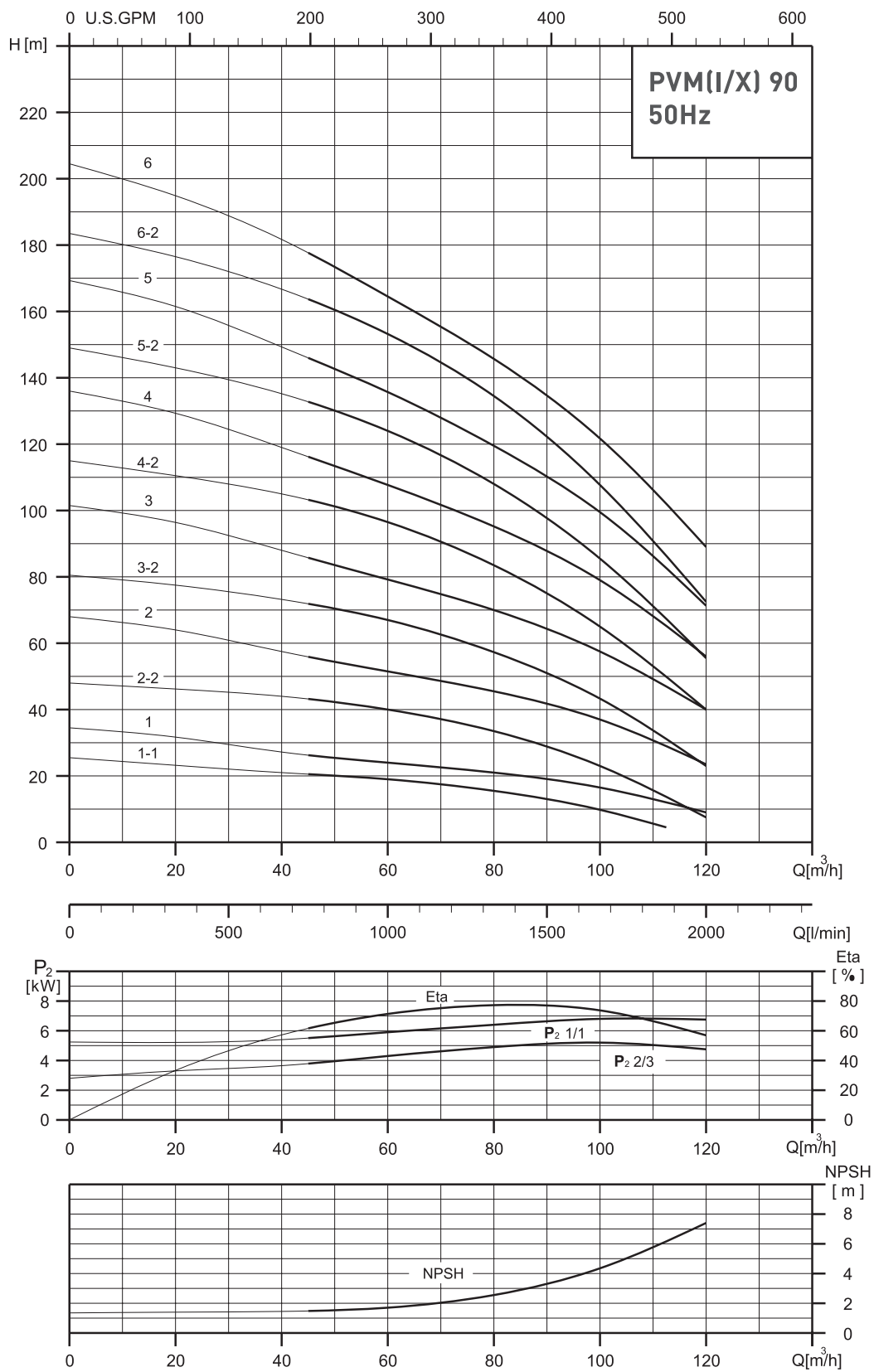
Dimensions [mm]								Dimensions [mm]							
Type	P2	[kg]	H1	H2	D1	D2	D3	Type	P2	[kg]	H1	H2	D1	D2	D3
PVM 64-1-1	4 kW	88.9	563	891	225	160	280	PVMI/PVMX 64-1-1	4 kW	81.8	563	891	225	160	280
PVM 64-1	5.5 kW	108.3	563	928	248	194	300	PVMI/PVMX 64-1	5.5 kW	101.3	563	928	248	194	300
PVM 64-2-2	7.5 kW	118.7	646	1031	248	194	300	PVMI/PVMX 64-2-2	7.5 kW	111.7	646	1031	248	194	300
PVM 64-2-1	11 kW	159.3	756	1254	317	238	350	PVMI/PVMX 64-2-1	11 kW	152.3	756	1254	317	238	350
PVM 64-2	11 kW	159.3	756	1254	317	238	350	PVMI/PVMX 64-2	11 kW	152.3	756	1254	317	238	350
PVM 64-3-2	15 kW	174	838	1336	317	238	350	PVMI/PVMX 64-3-2	15 kW	166.5	838	1336	317	238	350
PVM 64-3-1	15 kW	174	838	1336	317	238	350	PVMI/PVMX 64-3-1	15 kW	166.5	838	1336	317	238	350
PVM 64-3	18.5 kW	198.9	838	1380	317	238	350	PVMI/PVMX 64-3	18.5 kW	191.4	838	1380	317	238	350
PVM 64-4-2	18.5 kW	202.9	920	1463	317	238	350	PVMI/PVMX 64-4-2	18.5 kW	195.4	920	1463	317	238	350
PVM 64-4-1	22 kW	245.7	920	1500	358	265	350	PVMI/PVMX 64-4-1	22 kW	238.1	920	1500	358	265	350
PVM 64-4	22 kW	245.7	920	1500	358	265	350	PVMI/PVMX 64-4	22 kW	238.1	920	1500	358	265	350
PVM 64-5-2	30 kW	314.3	1003	1663	420	295	400	PVMI/PVMX 64-5-2	30 kW	306.7	1003	1663	420	295	400
PVM 64-5-1	30 kW	314.3	1003	1663	420	295	400	PVMI/PVMX 64-5-1	30 kW	306.7	1003	1663	420	295	400
PVM 64-5	30 kW	314.3	1003	1663	420	295	400	PVMI/PVMX 64-5	30 kW	306.7	1003	1663	420	295	400
PVM 64-6-2	30 kW	318.2	1086	1746	420	295	400	PVMI/PVMX 64-6-2	30 kW	310.7	1086	1746	420	295	400
PVM 64-6-1	37 kW	331.2	1086	1746	420	295	400	PVMI/PVMX 64-6-1	37 kW	323.7	1086	1746	420	295	400
PVM 64-6	37 kW	331.2	1086	1746	420	295	400	PVMI/PVMX 64-6	37 kW	323.7	1086	1746	420	295	400
PVM 64-7-2	37 kW	335.3	1168	1828	420	295	400	PVMI/PVMX 64-7-2	37 kW	327.7	1168	1828	420	295	400
PVM 64-7-1	37 kW	335.3	1168	1828	420	295	400	PVMI/PVMX 64-7-1	37 kW	327.7	1168	1828	420	295	400
PVM 64-7	45 kW	393.4	1172	1862	470	325	450	PVMI/PVMX 64-7	45 kW	385.8	1172	1862	470	325	450
PVM 64-8-2	45 kW	397.5	1254	1944	470	325	450	PVMI/PVMX 64-8-2	45 kW	390	1254	1944	470	325	450
PVM 64-8-1	45 kW	397.5	1254	1944	470	325	450	PVMI/PVMX 64-8-1	45 kW	390	1254	1944	470	325	450



PVM/PVMI/PVMX 90

SURFACE PUMPS - VERTICAL MULTISTAGE

PERFORMANCE

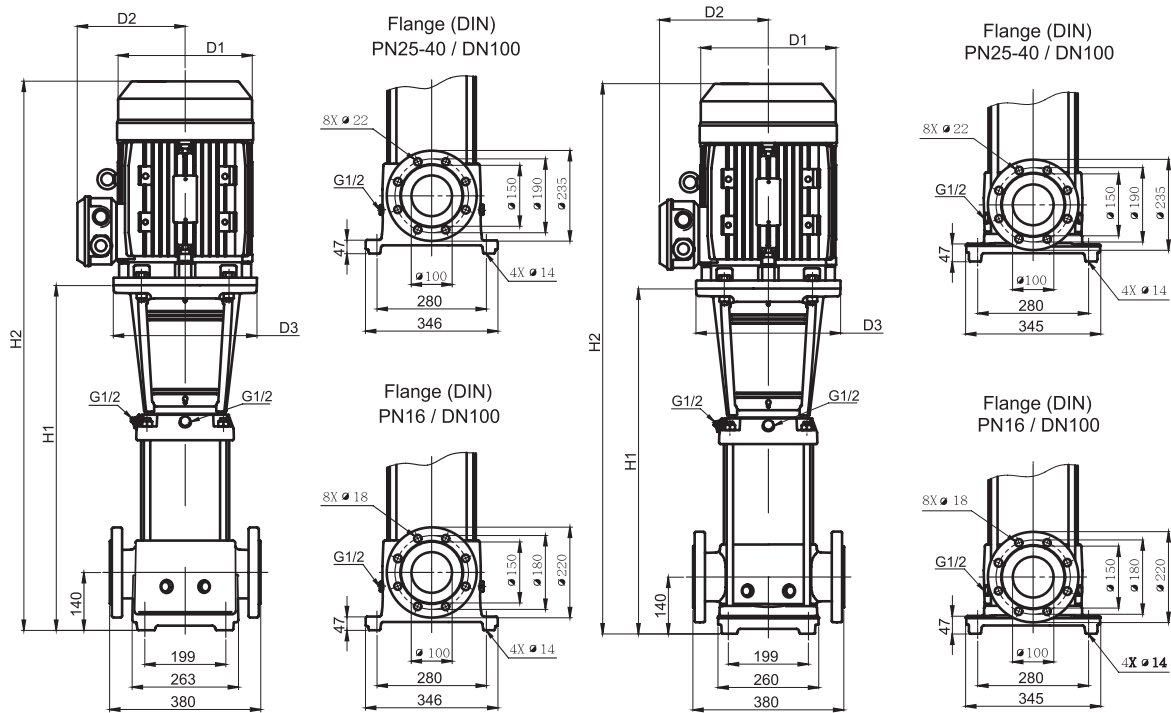


PVM/PVMI/PVMX 90

SURFACE PUMPS - VERTICAL MULTISTAGE

PVM/PVMI/PVMX 90

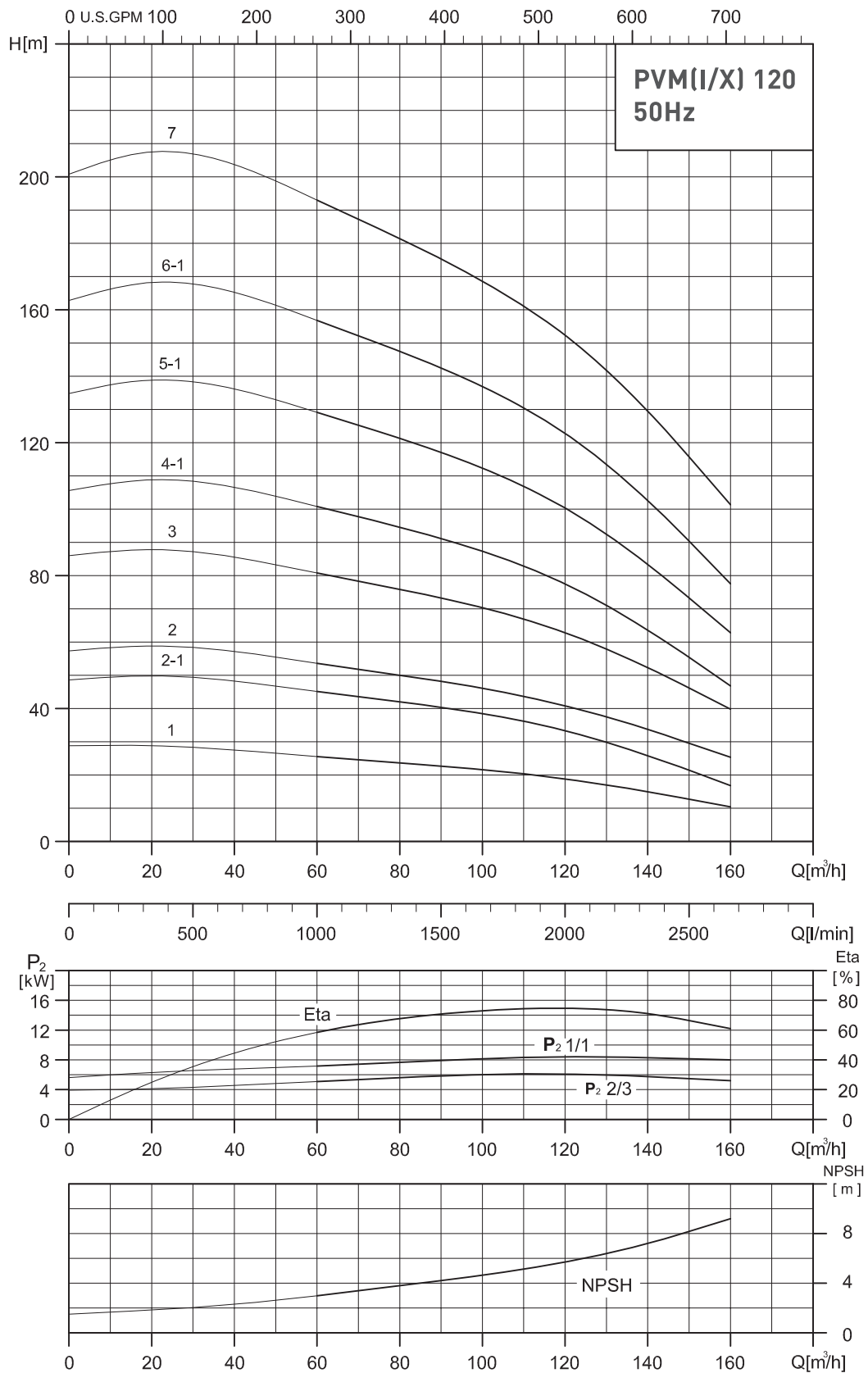
Dimensions [mm]								Dimensions [mm]							
Type	P2	[kg]	H1	H2	D1	D2	D3	Type	P2	[kg]	H1	H2	D1	D2	D3
PVM 90-1-1	5.5 kW	122.2	572	937	248	194	300	PVMI/PVMX 90-1-1	5.5 kW	112.1	576	941	248	194	300
PVM 90-1	7.5 kW	128.5	572	957	248	194	300	PVMI/PVMX 90-1	7.5 kW	118.4	576	961	248	194	300
PVM 90-2-2	11 kW	174.4	774	1272	317	298	350	PVMI/PVMX 90-2-2	11 kW	164.2	778	1276	317	298	350
PVM 90-2	15 kW	184.5	774	1272	317	298	350	PVMI/PVMX 90-2	15 kW	174.3	778	1276	317	298	350
PVM 90-3-2	18.5 kW	214.7	866	1408	317	298	350	PVMI/PVMX 90-3-2	18.5 kW	204.4	870	1412	317	298	350
PVM 90-3	22 kW	257.5	866	1446	358	265	350	PVMI/PVMX 90-3	22 kW	247.2	870	1450	358	265	350
PVM 90-4-2	30 kW	327.3	958	1618	420	295	400	PVMI/PVMX 90-4-2	30 kW	316.9	962	1622	420	295	400
PVM 90-4	30 kW	327.3	958	1618	420	295	400	PVMI/PVMX 90-4	30 kW	316.9	962	1622	420	295	400
PVM 90-5-2	37 kW	346.9	1050	1710	420	295	400	PVMI/PVMX 90-5-2	37 kW	336.9	1054	1714	420	295	400
PVM 90-5	37 kW	346.9	1050	1710	420	295	400	PVMI/PVMX 90-5	37 kW	337	1054	1714	420	295	400
PVM 90-6-2	45 kW	410.2	1142	1832	470	325	450	PVMI/PVMX 90-6-2	45 kW	400	1146	1836	470	325	450
PVM 90-6	45 kW	410.3	1142	1832	470	325	450	PVMI/PVMX 90-6	45 kW	400.1	1146	1836	470	325	450



PVM/PVMI/PVMX 120

SURFACE PUMPS - VERTICAL MULTISTAGE

PERFORMANCE

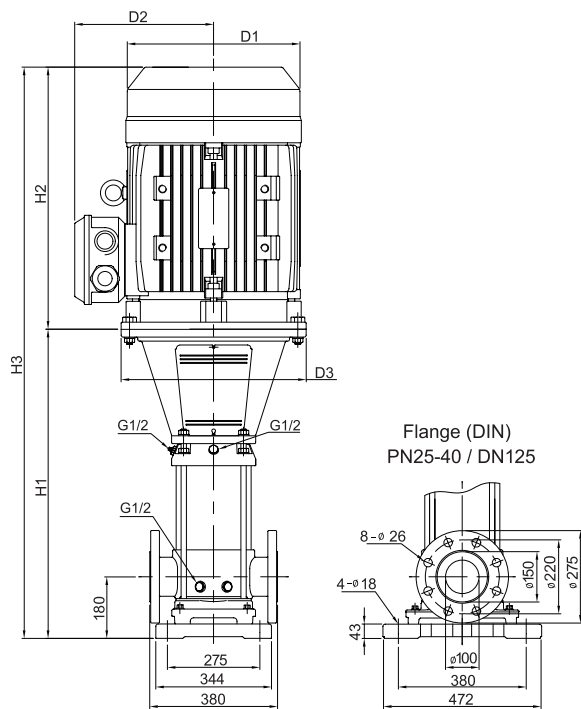
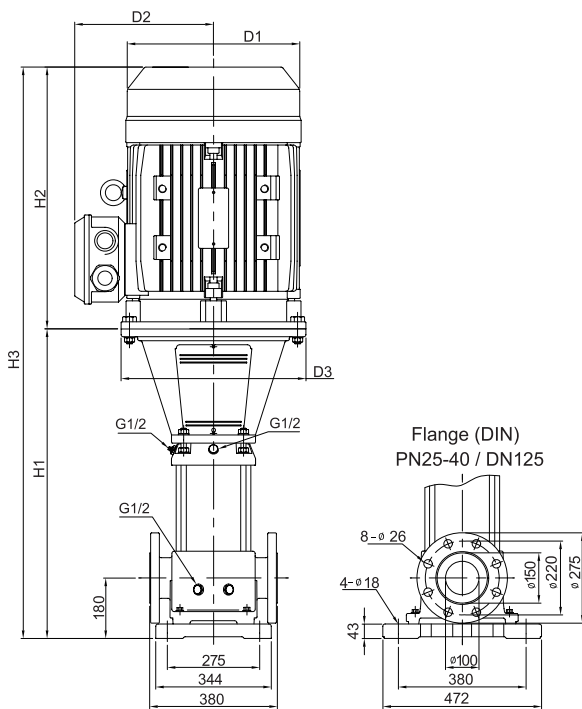


PVM/PVMI/PVMX 120

SURFACE PUMPS - VERTICAL MULTISTAGE

PVM/PVMI/PVMX 120

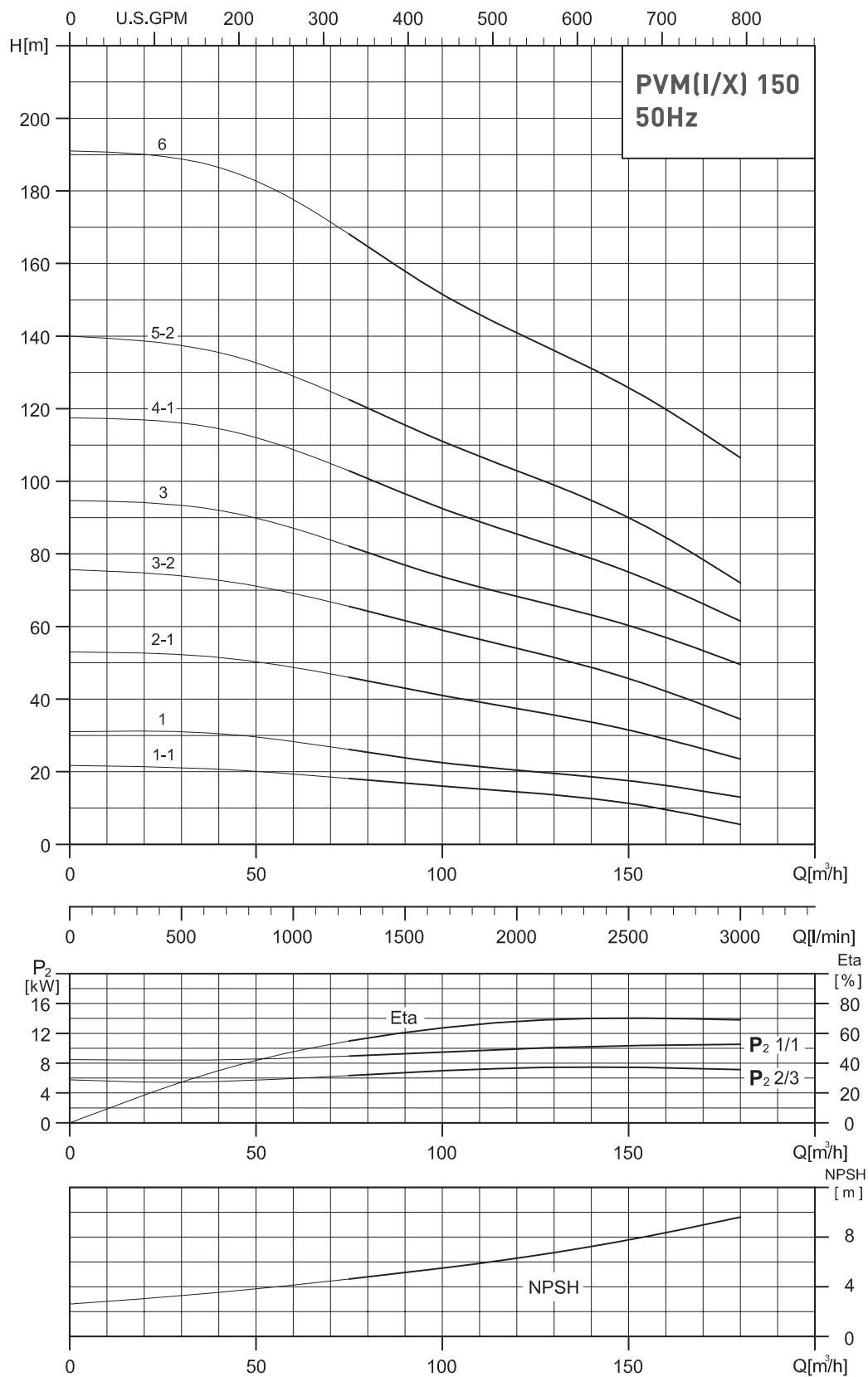
Dimensions [mm]									Dimensions [mm]								
Type	P2	[kg]	H1	H2	H3	D1	D2	D3	Type	P2	[kg]	H1	H2	H3	D1	D2	D3
PVM 120-1	11 kW	200.1	834	498	1332	317	238	350	PVMI/ PVMX 120-1	11 kW	184.3	837	498	1335	317	238	350
PVM 120-2-1	18.5 kW	245.1	989.5	542	1532	317	238	350	PVMI/ PVMX 120-2-1	18.5 kW	229.5	992.5	542	1535	317	238	350
PVM 120-2	22 kW	291.8	989.5	580	1569.5	358	265	350	PVMI/ PVMX 120-2	22 kW	276.1	992.5	580	1572.5	358	265	350
PVM 120-3	30 kW	362.5	1145	660	1805	420	295	400	PVMI/ PVMX 120-3	30 kW	346.9	1149	660	1809	420	295	400
PVM 120-4-1	37 kW	385.5	1300.5	660	1960.5	420	295	400	PVMI/ PVMX 120-4-1	37 kW	370.1	1303.5	660	1963.5	420	295	400
PVM 120-5-1	45 kW	453.6	1460	690	2150	470	325	450	PVMI/ PVMX 120-5-1	45 kW	438.3	1463	690	2153	470	325	450
PVM 120-6-1	55 kW	578.8	1641.5	770	2411.5	510	355	550	PVMI/ PVMX 120-6-1	55 kW	563.8	1644.5	770	2414.5	510	355	550
PVM 120-7	75 kW	751.4	1797	845	2642	580	410	550	PVMI/ PVMX 120-7	75 kW	736.5	1800	845	2645	580	410	550



PVM/PVMI/PVMX 150

SURFACE PUMPS - VERTICAL MULTISTAGE

PERFORMANCE

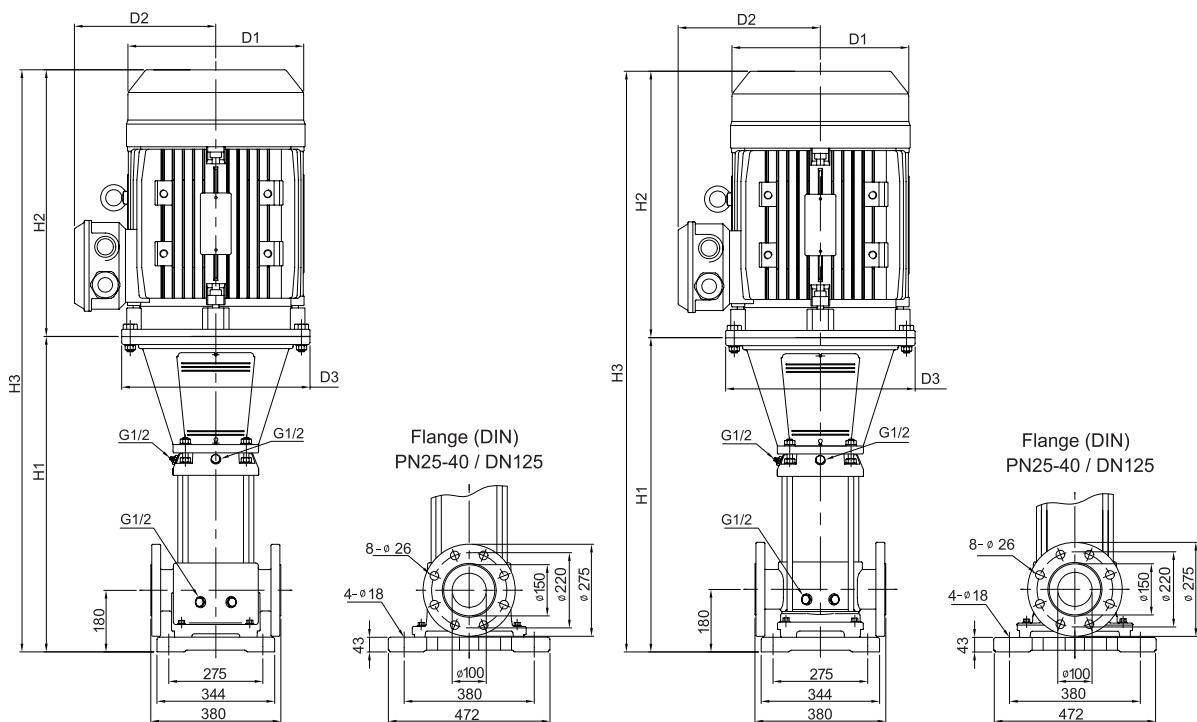


PVM/PVMI/PVMX 150

SURFACE PUMPS - VERTICAL MULTISTAGE

PVM/PVMI/PVMX 150

Dimensions [mm]									Dimensions [mm]								
Type	P2	[kg]	H1	H2	H3	D1	D2	D3	Type	P2	[kg]	H1	H2	H3	D1	D2	D3
PVM 150-1-1	11 kW	200	834	498	1332	317	238	350	PVMI/ PVMX 150-1-1	11 kW	173.4	837	498	1335	317	238	350
PVM 150-1	15 kW	210.1	834	542	1376	317	238	350	PVMI/PVMX 150-1	15 kW	183.5	837	542	1379	317	238	350
PVM 150-2-1	22 kW	287.8	989.5	580	1569.5	358	265	350	PVMI/ PVMX 150-2-1	22 kW	271.6	992.5	580	1572.5	358	265	350
PVM 150-3-2	30 kW	362.3	1145	660	1805	420	295	400	PVMI/ PVMX 150-3-2	30 kW	346.2	1148	660	1808	420	295	400
PVM 150-3	37 kW	375.4	1145	660	1805	420	295	400	PVMI/PVMX 150-3	37 kW	359.2	1148	660	1808	420	295	400
PVM 150-4-1	45 kW	443.4	1304.5	690	1994.5	470	325	450	PVMI/ PVMX 150-4-1	45 kW	427.4	1307.5	690	1997.5	470	325	450
PVM 150-5-2	55 kW	568.7	1486	770	2256	510	355	550	PVMI/ PVMX 150-5-2	55 kW	552.8	1489	770	2259	510	355	550
PVM 150-6	75 kW	741	1641.5	845	2486.5	580	410	550	PVMI/PVMX 150-6	75 kW	725.5	1644.5	845	2489.5	580	410	550



PVM/PVMI/PVMX

SURFACE PUMPS - VERTICAL MULTISTAGE

NRM

SURFACE PUMPS - MONOBLOC NORMALISED PUMPS

- Sturdy and resistant
- Wide range
- High hydraulic performance
- Pump body designed according to EN regulations



DESCRIPTION

The PUMPS of the series NRM are single stage monobloc pumps with the hydraulic part-motor connection via a bell, with the pump body made in accordance with standard EN733/DIN24255.

The pumps can be installed in all positions, except in the position with the inlet facing upwards.

APPLICATIONS

- Heating and cooling systems
- Collection of water from lakes, rivers, wells
- Irrigation systems using rain
- Water supply

MECHANICAL DATA

Shaft	AISI 420 Stainless Steel	Mechanical seal	Silicon carbide / Silicon carbide / NBR
Impeller	Cast iron EN GJL 200 Aisi 304 on request	Operating pressure max.	10 bar
Motor housing	Cast iron EN GJL 200	Type of liquid	non-aggressive, non-explosive, free of solid particles and fibres
Pump housing	Cast iron EN GJL 200		

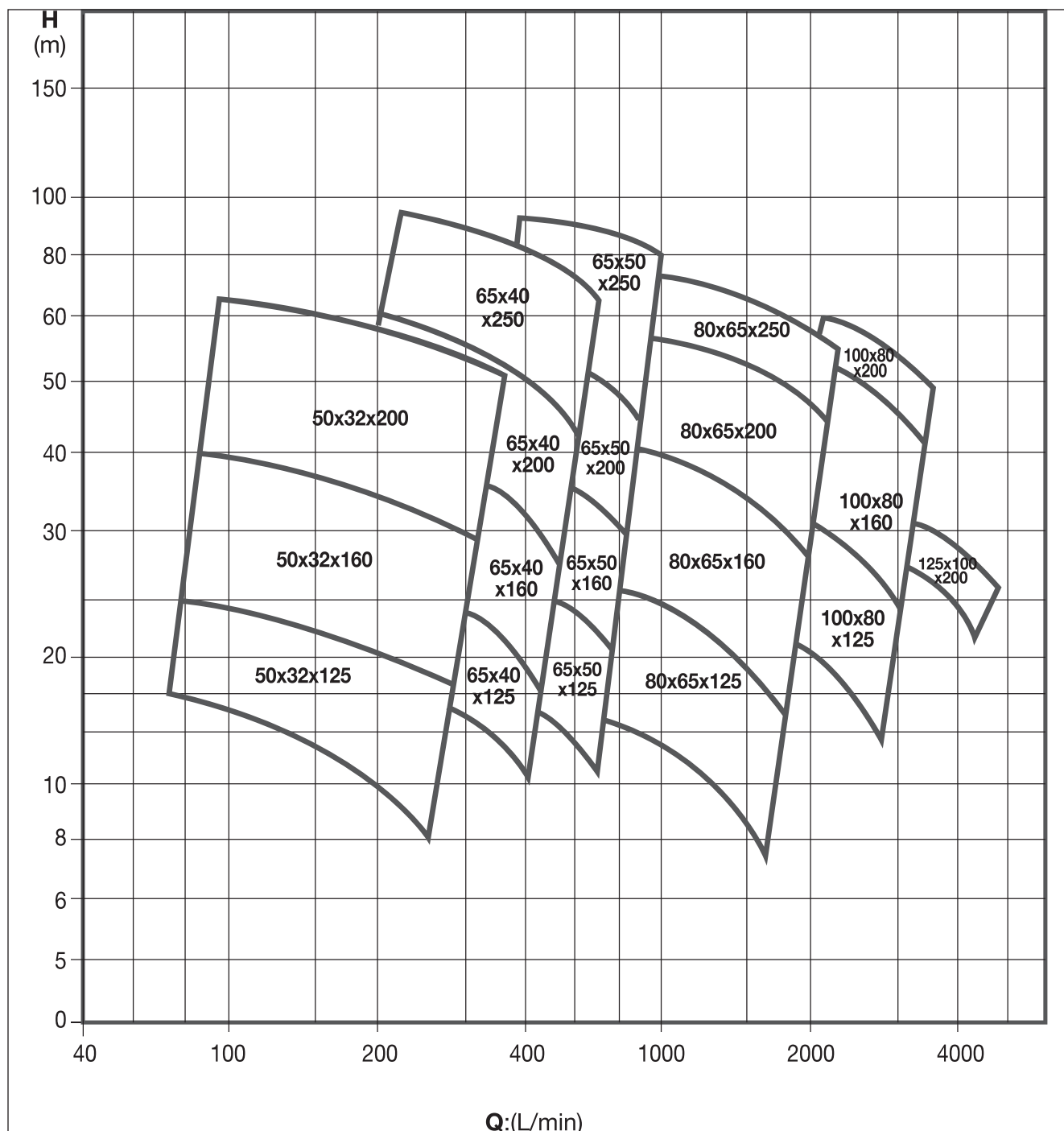
ELECTRICAL DATA

Type of enclosure	IP 55	Rotation speed	NRM4 1450 g/min
Insulation class	F		NRM2 2850 g/min
Ambient temperature max.	40 °C		

NRM 2

SURFACE PUMPS - MONOBLOC NORMALISED PUMPS

PERFORMANCE



We reserve the right to change specifications without notice. Pump performance is subject to ISO 9906 ISO 9906:2012 - Grade 3B tolerances.

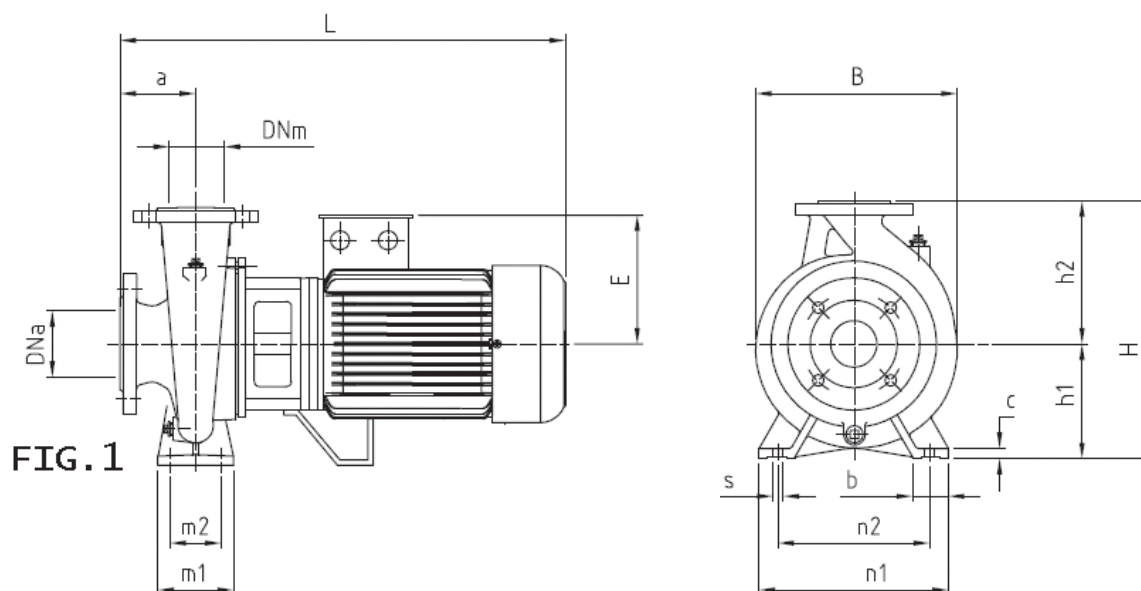
NRM2 50X32

SURFACE PUMPS - MONOBLOC NORMALISED PUMPS

Type	Flow rate Q [m³/h]	6	7.5	9	10.5	12	13.5	15	16.5	18	21	24
NRM2 50X32X125A	Delivery head H [m]	24.5	24.0	23.5	23.0	22.0	21.0	20.0	18.5	16.5	13.0	
NRM2 50x32x125B		20.5	20.0	19.0	18.0	17.0	16.0	15.0	13.5	11.5	7.5	
NRM2 50x32x125C		15.5	14.5	13.5	12.4	11.5	10.3	9.0	7.5	6.0		
NRM2 50X32X160A		38.0	37.5	37.0	36.0	35.0	34.0	33.0	31.5	30.0	26.5	
NRM2 50X32X160B		33.5	33.0	32.5	32.0	31.0	30.0	29.0	27.5	26.0	22.5	
NRM2 50X32X160C		28.5	28.0	27.5	26.5	25.5	24.0	23.0	21.5	20.0	15.0	
NRM2 50X32X200A		62.0	61.5	61.0	60.0	59.2	58.5	57.5	56.4	55.0	52.5	49.0
NRM2 50X32X200B		55.0	54.5	54.0	53.5	53.0	52.0	51.0	49.5	48.0	45.0	42.0
NRM2 50X32X200C		47.0	46.5	46.0	45.0	44.0	43.0	42.0	41.0	39.5	37.5	35.0

NRM2 50X32

Type	Code No.	Voltage	Motor rating P2	Motor frame	Current	Weight
NRM2 50X32X125A	AT07007-IE3	230/400 V	1.50 kW	80	3.4 A	25.9 kg
NRM2 50x32x125B	AT07005-IE3	230/400 V	1.10 kW	80	2.5 A	23.6 kg
NRM2 50x32x125C	AT07003-IE3	230/400 V	0.75 kW	71	1.7 A	23.3 kg
NRM2 50X32X160A	AT07015-IE3	230/400 V	3.00 kW	100	5.9 A	38.5 kg
NRM2 50X32X160B	AT07013-IE3	230/400 V	3.00 kW	100	5.9 A	36.5 kg
NRM2 50X32X160C	AT07011-IE3	230/400 V	2.20 kW	80	4.4 A	31.0 kg
NRM2 50X32X200A	AT07024-IE3	230/400 V 400/690 V	7.50 kW	112	14.2 A	59.6 kg
NRM2 50X32X200B	AT07021-IE3	230/400 V 400/690 V	5.50 kW	112	10.4 A	51.1 kg
NRM2 50X32X200C	AT07019-IE3	230/400 V 400/690 V	4.00 kW	100	7.8 A	46.9 kg



NRM2 50X32

SURFACE PUMPS - MONOBLOC NORMALISED PUMPS

DIMENSIONS [mm]

Type	Fig.	DNa	DNm	a	h1	h2	b	m1	m2	n1	n2	s	B	C	H	L~
NRM2 50X32X125A	1	50	32	80	112	140	50	100	70	190	140	14	200	12	252	421
NRM2 50x32x125B	1	50	32	80	112	140	50	100	70	190	140	14	200	12	252	421
NRM2 50x32x125C	1	50	32	80	112	140	50	100	70	190	140	14	200	12	252	421
NRM2 50X32X160A	1	50	32	80	132	160	50	100	70	240	190	14	240	12	292	495
NRM2 50X32X160B	1	50	32	80	132	160	50	100	70	240	190	14	240	12	292	495
NRM2 50X32X160C	1	50	32	80	132	160	50	100	70	240	190	14	240	12	292	426
NRM2 50X32X200A	1	50	32	80	160	180	50	100	70	240	190	14	240	12	340	539
NRM2 50X32X200B	1	50	32	80	160	180	50	100	70	240	190	14	240	12	340	517
NRM2 50X32X200C	1	50	32	80	160	180	50	100	70	240	190	14	240	12	340	495

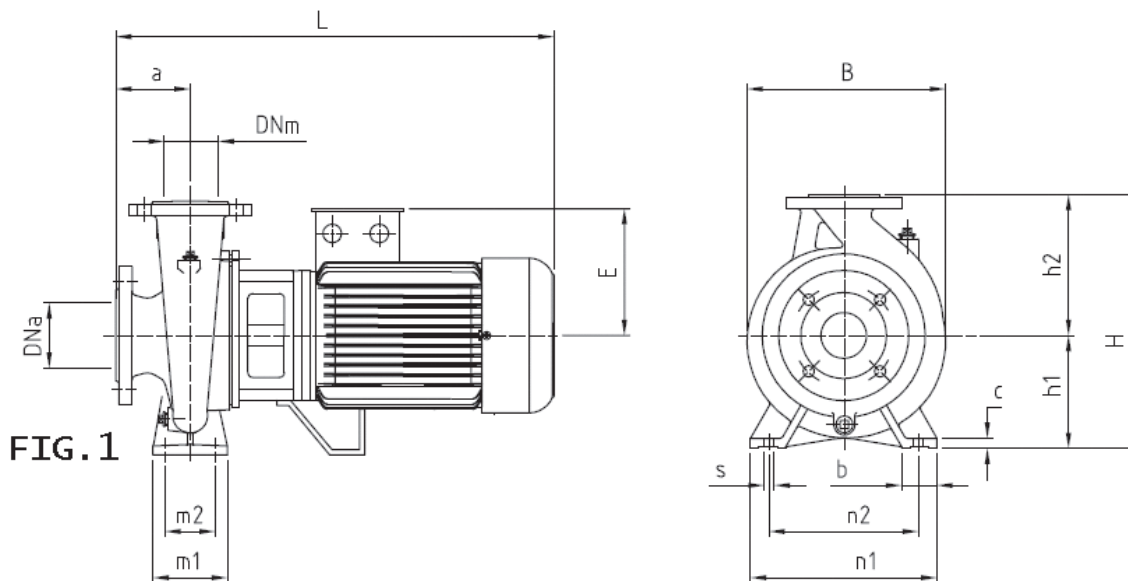
NRM2 65X40

SURFACE PUMPS - MONOBLOC NORMALISED PUMPS

Type	Flow rate Q [m³/h]	15	16.5	18	21	24	27	30	33	36	39	42
NRM2 65X40X125A	Delivery head H [m]	24.5	24.3	24.0	23.5	23.0	22.0	20.5	19.0	17.0		
NRM2 65X40X125B		19.0	18.8	18.5	17.5	16.5	15.5	14.5	13.0	10.5		
NRM2 65X40X125C		15.5	15.3	15.0	14.1	13.0	11.8	10.5	9.0	7.0		
NRM2 65X40X160A		36.5	36.0	35.5	34.5	33.5	32.5	31.0	29.0	27.0		
NRM2 65X40X160B		30.0	29.5	29.0	28.0	26.5	25.0	23.0	20.5	18.0		
NRM2 65X40X200A		56.5	56.0	55.5	54.5	53.0	51.0	49.0	47.0	44.0		
NRM2 65X40X200B		51.0	50.5	50.0	49.0	47.5	45.0	42.5	40.0	37.0		
NRM2 65X40X200C		45.3	44.8	44.0	43.0	41.5	39.0	37.0	34.0	31.0		
NRM2 65X40X250B		90.0	89.8	89.2	88.2	87.0	85.3	83.2	80.7	78.0	75.0	71.0
NRM2 65X40X250C		77.0	76.5	76.0	74.5	73.0	71.0	69.0	67.0	65.0	62.5	60.0
NRM2 65X40X250D		69.0	68.5	68.0	66.5	65.0	63.0	61.0	59.0	57.0	54.0	

NRM2 65X40

Type	Code No.	Voltage	Motor rating P2	Motor frame	Current	Weight
NRM2 65X40X125A	AT07039-IE3	230/400 V	3.0 kW	100	5.9 A	33.5 kg
NRM2 65X40X125B	AT07037-IE3	230/400 V	2.2 kW	90	4.4 A	28.0 kg
NRM2 65X40X125C	AT07035-IE3	230/400 V	1.5 kW	80	3.4 A	26.9 kg
NRM2 65X40X160A	AT07045-IE3	230/400 V 400/690 V	4.0 kW	100	7.8 A	43.1 kg
NRM2 65X40X160B	AT07043-IE3	230/400 V	3.0 kW	100	5.9 A	33.5 kg
NRM2 65X40X200A	AT07054-IE3	230/400 V 400/690 V	7.5 kW	132	14.2 A	60.6 kg
NRM2 65X40X200B	AT07052-IE3	230/400 V 400/690 V	7.5 kW	112	14.2 A	55.4 kg
NRM2 65X40X200C	AT07049-IE3	230/400 V 400/690 V	5.5 kW	112	10.4 A	47.9 kg
NRM2 65X40X250B	AT07062-IE3	400/690 V	15.0 kW	132	27.0 A	94.0 kg
NRM2 65X40X250C	AT07060-IE3	400/690 V	15.0 kW	132	27.0 A	87.0 kg
NRM2 65X40X250D	AT07058-IE3	230/400 V 400/690 V	11.0 kW	132	19.8 A	82.5 kg



NRM2 65X40

SURFACE PUMPS - MONOBLOC NORMALISED PUMPS

DIMENSIONS [mm]

Type	Fig.	DNa	DNm	a	h1	h2	b	m1	m2	n1	n2	s	B	C	H	L~
NRM2 65X40X125A	1	65	40	80	112	140	50	100	70	210	140	14	215	12	252	495
NRM2 65X40X125B	1	65	40	80	112	140	50	100	70	210	140	14	215	12	252	426
NRM2 65X40X125C	1	65	40	80	112	140	50	100	70	240	140	14	215	12	252	421
NRM2 65X40X160A	1	65	40	80	132	160	50	100	70	240	190	14	280	12	292	495
NRM2 65X40X160B	1	65	40	80	132	160	50	100	70	240	190	14	270	12	292	495
NRM2 65X40X200A	1	65	40	100	160	180	50	100	70	265	190	14	270	12	340	559
NRM2 65X40X200B	1	65	40	100	160	180	50	100	70	265	190	14	270	12	340	559
NRM2 65X40X200C	1	65	40	100	160	180	50	100	70	265	190	14	270	12	340	537
NRM2 65X40X250B	1	65	40	100	180	225	65	125	95	320	250	14	315	12	405	705
NRM2 65X40X250C	1	65	40	100	180	225	65	125	95	320	250	14	315	12	405	705
NRM2 65X40X250D	1	65	40	100	180	225	65	125	95	320	250	14	315	12	405	654

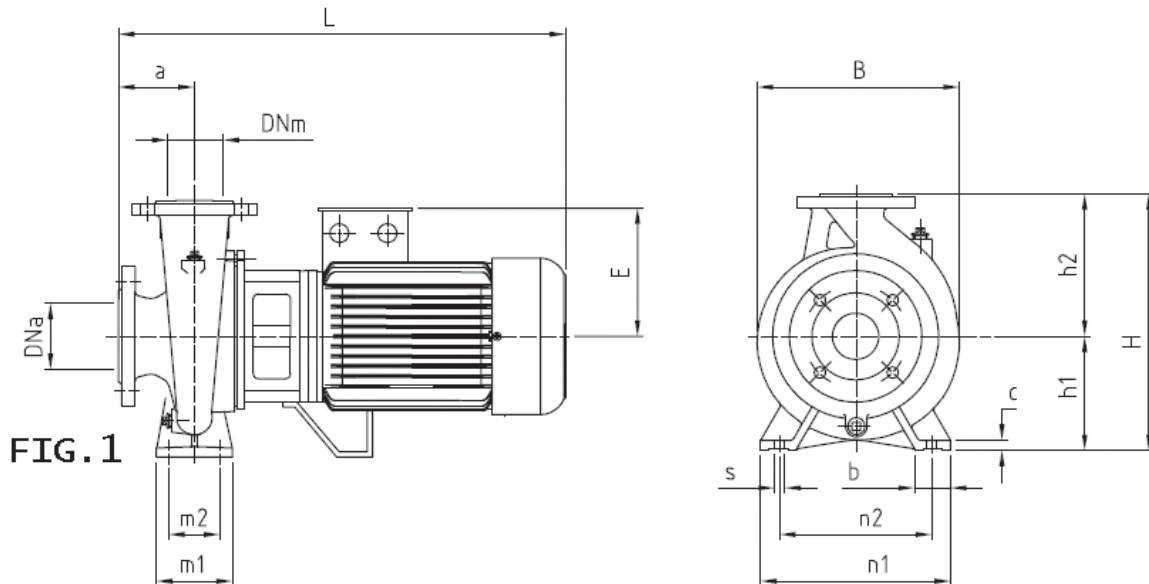
NRM2 65X50

SURFACE PUMPS - MONOBLOC NORMALISED PUMPS

Type	Flow rate Q [m³/h]	24	27	30	33	36	39	42	45	48	54	60
NRM2 65X50X125A	Delivery head H [m]	25.5	25.3	25.0	24.5	24.0	23.5	23.0	22.5	21.5	20.0	18.0
NRM2 65X50X125B		21.0	20.5	20.0	19.5	19.0	18.3	17.5	16.8	16.0	14.0	12.0
NRM2 65X50X125C		17.0	16.5	16.0	15.5	15.0	14.0	13.0	12.0	11.0	9.0	
NRM2 65X50X160A		37.0	36.5	36.0	35.5	35.0	34.5	34.0	33.5	32.5	31.0	29.0
NRM2 65X50X160B		32.5	32.0	31.5	31.0	30.5	30.0	29.5	29.0	28.0	26.0	23.5
NRM2 65X50X200A		58.0	57.5	57.0	56.0	55.0	54.0	53.0	51.5	50.0	46.5	42.5
NRM2 65X50X200B		51.0	50.5	50.0	49.0	48.0	47.0	45.5	44.5	43.0	39.5	37.0
NRM2 65X50X250B		92.0	91.8	91.5	91.0	90.0	89.0	88.0	87.0	86.0	83.0	80.0
NRM2 65X50X250C		80.5	80.0	79.5	78.5	77.5	76.5	75.5	74.5	73.5	71.0	67.5
NRM2 65X50X250D		72.0	71.0	70.0	69.0	68.0	67.0	66.0	64.5	63.0	60.0	56.0

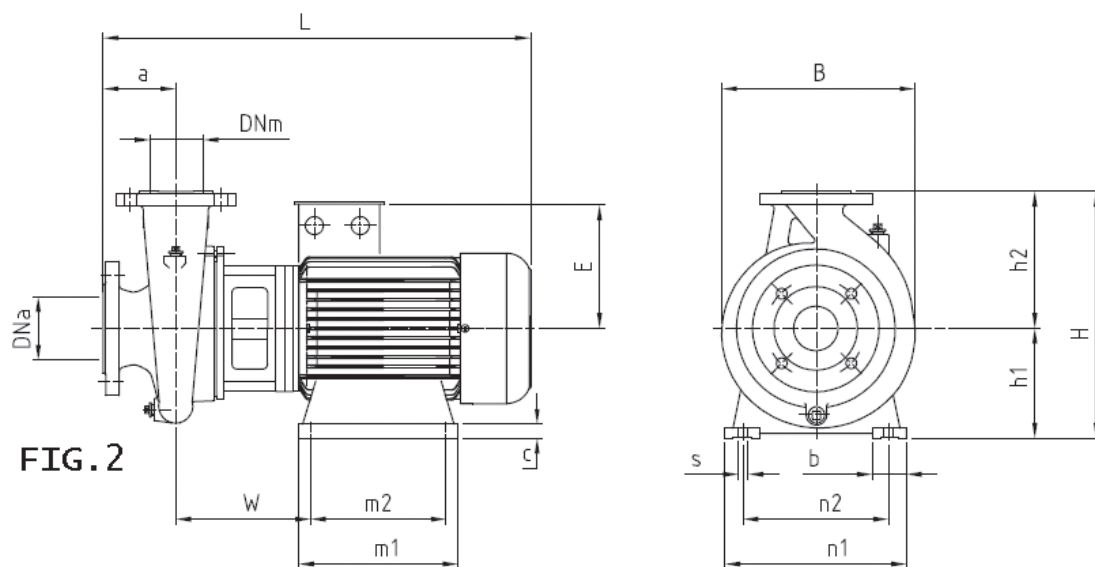
NRM2 65X50

Type	Code No.	Voltage	Motor rating P2	Motor frame	Current	Weight
NRM2 65X50X125A	AT07069-IE3	230/400 V 400/690 V	4.0 kW	100	7.8 A	44.1 kg
NRM2 65X50X125B	AT07067-IE3	230/400 V	3.0 kW	100	5.9 A	40.0 kg
NRM2 65X50X125C	AT07065-IE3	230/400 V	2.2 kW	90	4.4 A	34.5 kg
NRM2 65X50X160A	AT07076-IE3	230/400 V 400/690 V	7.5 kW	112	14.2 A	58.1 kg
NRM2 65X50X160B	AT07073-IE3	230/400 V 400/690 V	5.5 kW	112	10.4 A	53.4 kg
NRM2 65X50X200A	AT07082-IE3	400/690 V	15.0 kW	132	27.0 A	77.0 kg
NRM2 65X50X200B	AT07080-IE3	230/400 V 400/690 V	11.0 kW	132	19.8 A	73.5 kg
NRM2 65X50X250B	AT07090-IE3	400/690 V	22.0 kW	160	38.6 A	167.0 kg
NRM2 65X50X250C	AT07088-IE3	400/690 V	18.5 kW	160	33.3 A	146.0 kg
NRM2 65X50X250D	AT07086-IE3	400/690 V	15.0 kW	132	27.0 A	95.0 kg



NRM2 65X50

SURFACE PUMPS - MONOBLOC NORMALISED PUMPS



DIMENSIONS [mm]

Type	Fig.	DNa	DNm	a	h1	h2	b	m1	m2	n1	n2	s	B	C	H	L~	W
NRM2 65X50X125A	1	65	50	100	132	160	50	100	70	240	190	14	280	12	292	515	
NRM2 65X50X125B	1	65	50	100	132	160	50	100	70	240	190	14	270	12	292	515	
NRM2 65X50X125C	1	65	50	100	132	160	50	100	70	240	190	14	245	12	292	446	
NRM2 65X50X160A	1	65	50	100	160	180	50	100	70	265	212	14	270	12	340	559	
NRM2 65X50X160B	1	65	50	100	160	180	50	100	70	265	212	14	270	12	340	537	
NRM2 65X50X200A	1	65	50	100	160	200	50	100	70	265	212	14	285	12	360	705	
NRM2 65X50X200B	1	65	50	100	160	200	50	100	70	265	212	14	285	12	360	654	
NRM2 65X50X250B	2	65	50	100	180	225	76	420	370	320	254	14	320	20	405	802	210
NRM2 65X50X250C	2	65	50	100	180	225	76	420	370	320	254	14	320	20	405	802	210
NRM2 65X50X250D	1	65	50	100	180	225	50	100	70	265	212	14	320	12	405	705	

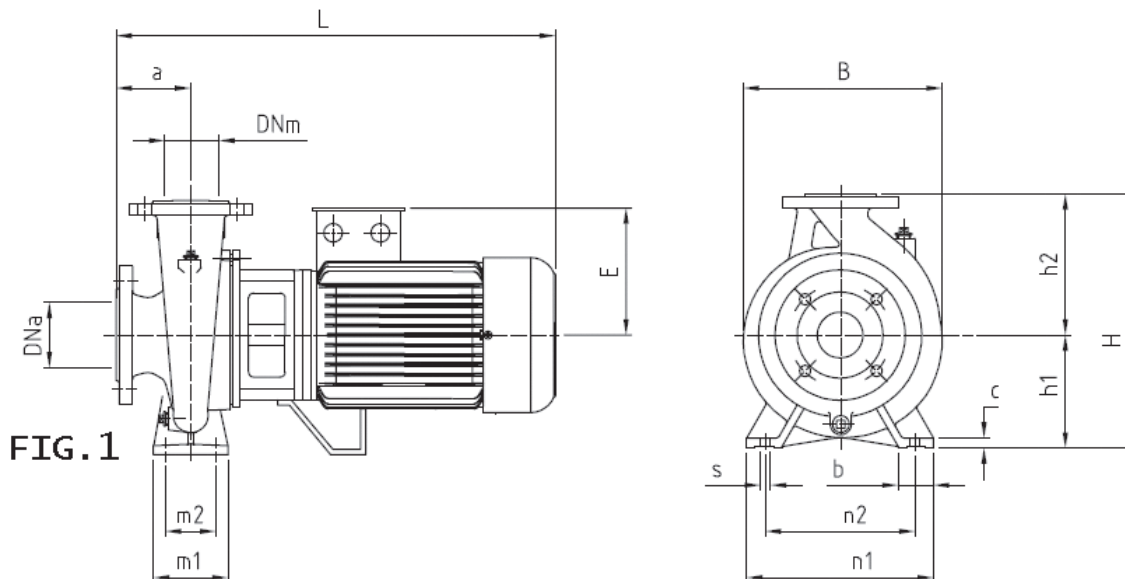
NRM2 80X65

SURFACE PUMPS - MONOBLOC NORMALISED PUMPS

Type	Flow rate Q [m ³ /h]	36	39	42	45	48	54	60	75	90	105	120	135
NRM2 80X65X125A	Delivery head H [m]	25.0	24.8	24.6	24.3	24.0	23.5	23.0	21.5	19.0	16.0		
NRM2 80X65X125B		21.0	20.8	20.6	20.3	20.0	19.5	19.0	17.0	14.5	11.0		
NRM2 80X65X125C		17.5	17.3	17.0	16.5	16.0	15.5	14.5	12.0	9.0			
NRM2 80X65X160A				41.0	40.8	40.5	40.0	39.5	38.0	35.5	33.0	29.0	24.0
NRM2 80X65X160B				36.5	36.3	36.0	35.5	34.5	33.0	30.0	27.0	23.0	19.0
NRM2 80X65X160C				30.5	30.3	30.0	29.5	29.0	26.5	24.0	20.5	16.0	
NRM2 80X65X200B						57.0	56.5	56.0	55.0	53.5	51.0	48.0	42.5
NRM2 80X65X200C						51.0	50.0	49.5	48.5	46.5	43.5	39.5	35.0
NRM2 80X65X200D						44.0	43.5	43.0	41.5	39.0	35.5	31.5	
NRM2 80X65X250D						64.0	63.5	63.0	61.0	57.0	53.0		

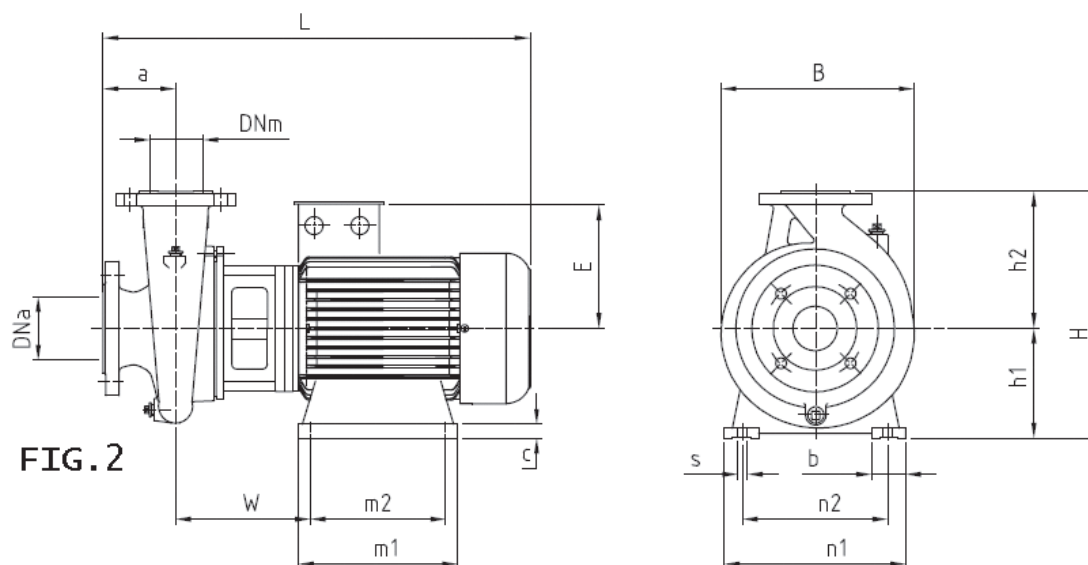
NRM2 80X65

Type	Code No.	Voltage	Motor rating P2	Motor frame	Current	Weight
NRM2 80X65X125A	AT07098-IE3	230/400 V 400/690 V	7.5 kW	112	14.2 A	57.6 kg
NRM2 80X65X125B	AT07095-IE3	230/400 V 400/690 V	5.5 kW	112	10.4 A	47.1 kg
NRM2 80X65X125C	AT07093-IE3	230/400 V 400/690 V	4.0 kW	100	7.8 A	44.9 kg
NRM2 80X65X160A	AT07108-IE3	400/690 V	15.0 kW	132	27.0 A	85.0 kg
NRM2 80X65X160B	AT07106-IE3	400/690 V	15.0 kW	132	27.0 A	79.0 kg
NRM2 80X65X160C	AT07104-IE3	230/400 V 400/690 V	11.0 kW	132	19.8 A	75.5 kg
NRM2 80X65X200B	AT07116-IE3	400/690 V	22.0 kW	160	38.6 A	144.0 kg
NRM2 80X65X200C	AT07114-IE3	400/690 V	18.5 kW	160	33.3 A	140.0 kg
NRM2 80X65X200D	AT07112-IE3	400/690 V	15.0 kW	132	27.0 A	89.5 kg
NRM2 80X65X250D	AT07120-IE3	400/690 V	22.0 kW	160	38.6 A	172.0 kg



NRM2 80X65

SURFACE PUMPS - MONOBLOC NORMALISED PUMPS



DIMENSIONS [mm]

Type	Fig.	DNa	DNm	a	h1	h2	b	m1	m2	n1	n2	s	B	C	H	L~	W
NRM2 80X65X125A	1	80	65	100	160	180	65	125	95	280	212	14	280	14	340	559	
NRM2 80X65X125B	1	80	65	100	160	180	65	125	95	280	212	14	280	14	340	537	
NRM2 80X65X125C	1	80	65	100	160	180	65	125	95	280	212	14	280	14	340	515	
NRM2 80X65X160A	1	80	65	100	160	200	65	125	95	280	212	14	280	14	360	705	
NRM2 80X65X160B	1	80	65	100	160	200	65	125	95	280	212	14	280	14	360	705	
NRM2 80X65X160C	1	80	65	100	160	200	65	125	95	280	212	14	280	14	360	654	
NRM2 80X65X200B	2	80	65	100	180	225	65	420	370	320	254	14	330	20	405	802	210
NRM2 80X65X200C	2	80	65	100	180	225	65	420	370	320	254	14	330	20	405	802	210
NRM2 80X65X200D	1	80	65	100	180	225	65	125	95	280	212	14	330	14	405	705	
NRM2 80X65X250D	2	80	65	100	180	250	65	420	370	320	254	14	365	20	430	814	222

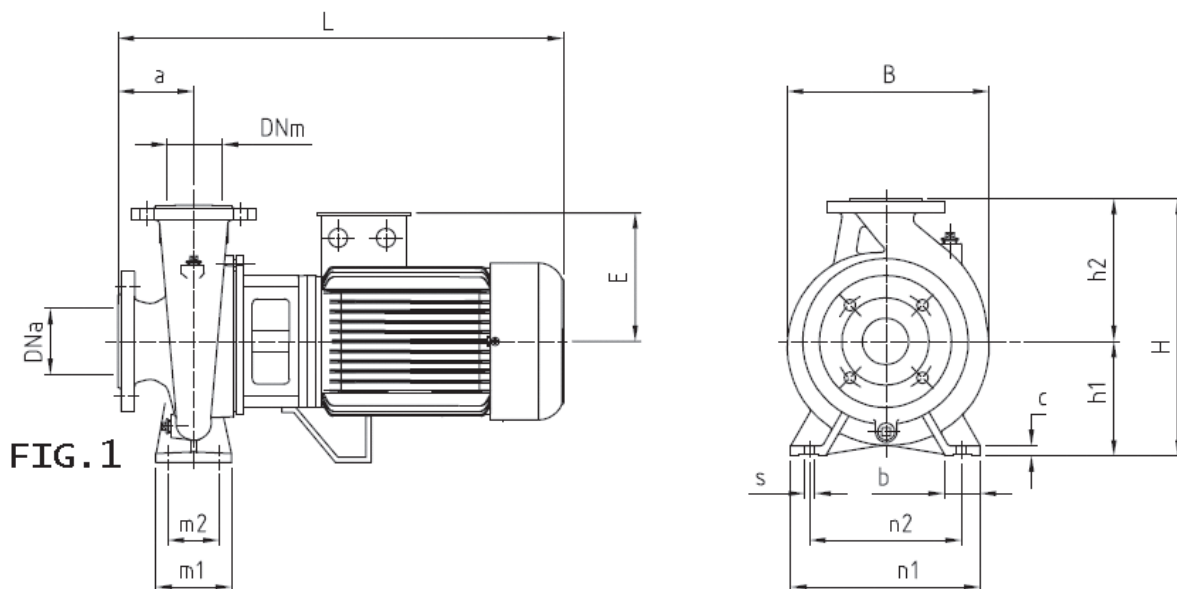
NRM2 100X80

SURFACE PUMPS - MONOBLOC NORMALISED PUMPS

Type	Flow rate Q [m ³ /h]	60	75	90	105	120	135	150	165	180
NRM2 100X80X160B	Delivery head H [m]	34.0	33.3	32.5	31.8	31.0	29.0	27.5	26.0	24.5
NRM2 100X80X160C		28.5	28.0	27.0	26.0	24.5	23.0	21.5	20.0	18.5
NRM2 100X80X160D		24.0	23.0	22.0	21.0	19.5	18.0	16.5	15.0	
NRM2 100X80X200C		47.0	46.5	45.5	44.5	43.0	41.0	39.0	37.0	
NRM2 100X80X200D		42.0	41.0	40.0	38.5	37.0	35.0	33.0	30.5	

NRM2 100X80

Type	Code No.	Voltage	Motor rating P2	Motor frame	Current	Weight
NRM2 100X80X160B	AT07132-IE3	400/690 V	15.0 kW	132	27.0 A	90.5 kg
NRM2 100X80X160C	AT07130-IE3	400/690 V	15.0 kW	132	27.0 A	83.5 kg
NRM2 100X80X160D	AT07128-IE3	230/400 V 400/690 V	11.0 kW	132	19.8 A	79.5 kg
NRM2 100X80X200C	AT07138-IE3	400/690 V	22.0 kW	160	38.6 A	192.0 kg
NRM2 100X80X200D	AT07136-IE3	400/690 V	18.5 kW	160	33.3 A	150.0 kg



NRM2 100X80

SURFACE PUMPS - MONOBLOC NORMALISED PUMPS

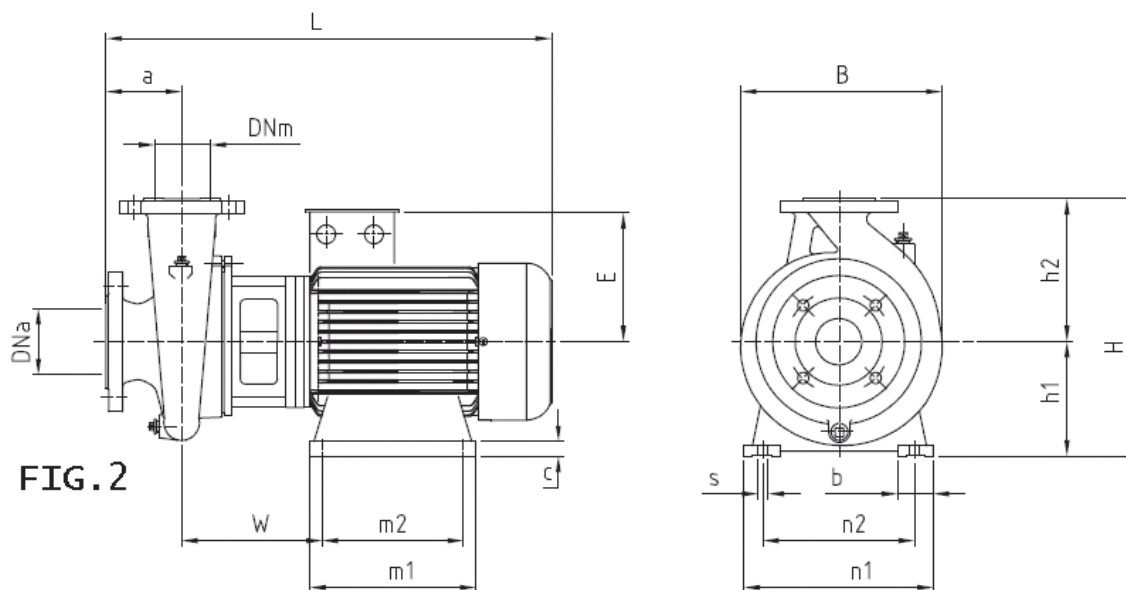


FIG. 2

DIMENSIONS [mm]

Type	Fig.	DNa	DNm	a	h1	h2	b	m1	m2	n1	n2	s	B	C	H	L~	W
NRM2 100X80X160B	1	100	80	125	180	225	65	125	95	320	250	14	315	14	405	730	
NRM2 100X80X160C	1	100	80	125	180	225	65	125	95	320	250	14	315	14	405	730	
NRM2 100X80X160D	1	100	80	125	180	225	65	125	95	320	250	14	315	14	405	679	
NRM2 100X80X200C	2	100	80	125	180	250	65	420	370	320	254	14	360	20	430	839	222
NRM2 100X80X200D	2	100	80	125	180	250	65	420	370	320	254	14	360	20	430	839	222

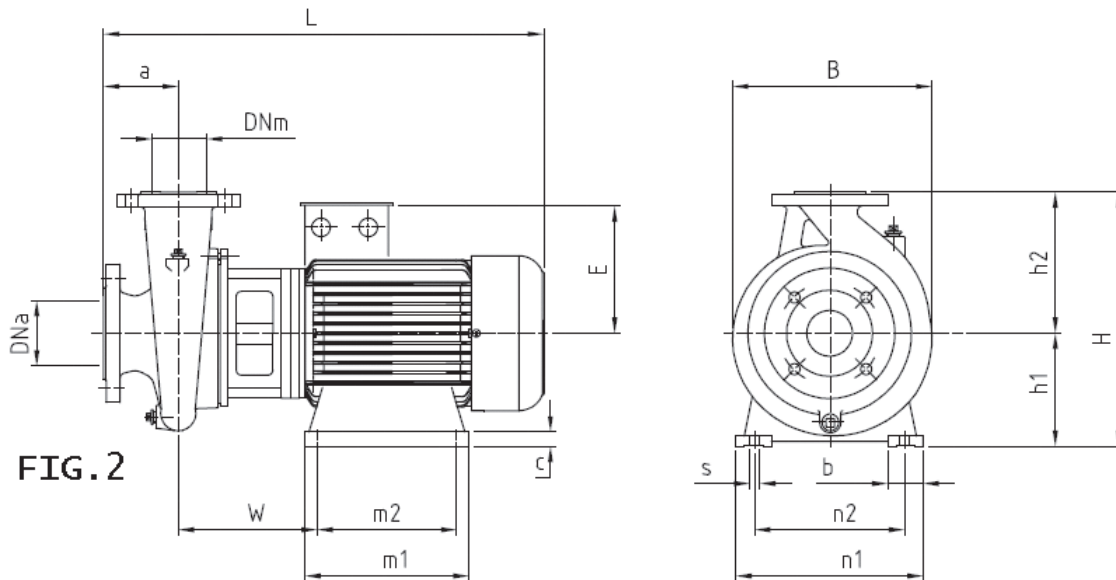
NRM2 125X100

SURFACE PUMPS - MONOBLOC NORMALISED PUMPS

Type	Flow rate Q [m ³ /h]	90	105	120	135	150	165	180	210	240
NRM2 125x100x200D	Delivery head H [m]	39.0	38.0	37.0	36.0	34.5	33.0	31.5	28.0	24.0

NRM2 125X100

Type	Code No.	Voltage	Motor rating P2	Motor frame	Current	Weight
NRM2 125x100x200D	AT07154-IE3	400/690 V	22 kW	160	38.6 A	160 kg



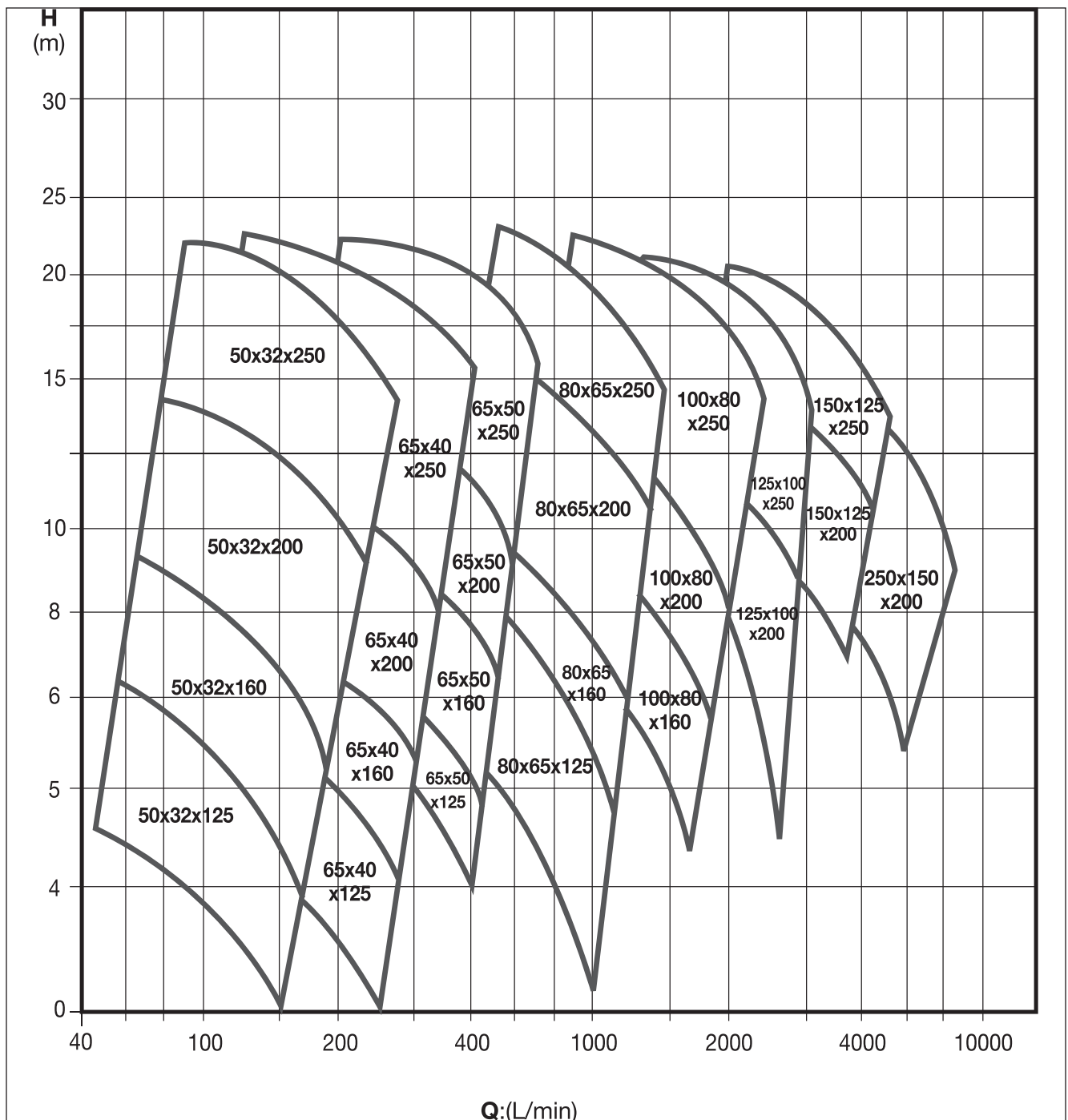
DIMENSIONS [mm]

Type	Fig.	DNa	DNm	a	h1	h2	b	m1	m2	n1	n2	s	B	C	H	L~	W
NRM2 125x100x200D	2	125	100	125	180	280	65	420	370	320	254	14	380	20	460	839	222

NRM 4

SURFACE PUMPS - MONOBLOC NORMALISED PUMPS

PERFORMANCE



We reserve the right to change specifications without notice. Pump performance is subject to ISO 9906 ISO 9906:2012 - Grade 3B tolerances.

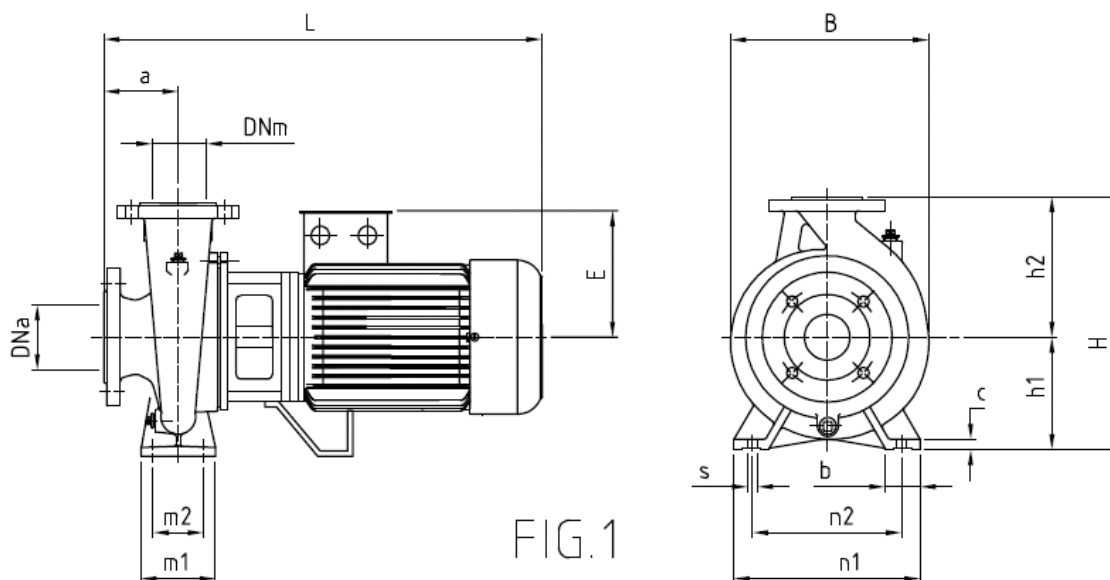
NRM4 50X32

SURFACE PUMPS - MONOBLOC NORMALISED PUMPS

Type	Flow rate Q [m³/h]	3	4.5	6	7.5	9	10.5	12	13.5	15	16.5	18
NRM4 50x32x125X	Delivery head H [m]	6.2	6.0	5.8	5.2	4.5	3.9	3.0				
NRM4 50x32x125Y		4.4	4.0	3.5	3.0	2.2						
NRM4 50x32x160X		9.4	9.2	8.9	8.3	7.7	6.9	5.8	4.7			
NRM4 50X32X200X			14.5	14.3	13.8	13.3	12.7	11.8	10.9	10.0	9.0	8.0
NRM4 50X32X200Y		13.0	12.8	12.4	11.9	11.3	10.6	9.8	9.0	8.0	7.0	6.0

NRM4 50X32

Type	Code No.	Voltage	Motor rating P2	Motor frame	Current	Weight
NRM4 50x32x125X	AT07167	230/400 V	0.25 kW	71	0.9 A	19.5 kg
NRM4 50x32x125Y	AT07165	230/400 V	0.25 kW	71	0.9 A	19.5 kg
NRM4 50x32x160X	AT07173	230/400 V	0.37 kW	71	1.2 A	23.0 kg
NRM4 50X32X200X	AT07179-IE3	230/400 V	1.10 kW	90	2.5 A	36.8 kg
NRM4 50X32X200Y	AT07177-IE3	230/400 V	0.75 kW	80	1.8 A	31.7 kg



DIMENSIONS [mm]

Type	Fig.	DNa	DNm	a	h1	h2	b	c	m1	m2	n1	n2	s	B	H	L~	E~
NRM4 50x32x125X	1	50	32	80	112	140	50	12	100	70	190	140	14	205	252	405	110
NRM4 50x32x125Y	1	50	32	80	112	140	50	12	100	70	190	140	14	205	252	405	110
NRM4 50x32x160X	1	50	32	80	132	160	50	12	100	70	240	190	14	240	292	405	110
NRM4 50X32X200X	1	50	32	80	160	180	50	12	100	70	240	190	14	255	340	456	138
NRM4 50X32X200Y	1	50	32	80	160	180	50	12	100	70	240	190	14	255	340	421	129

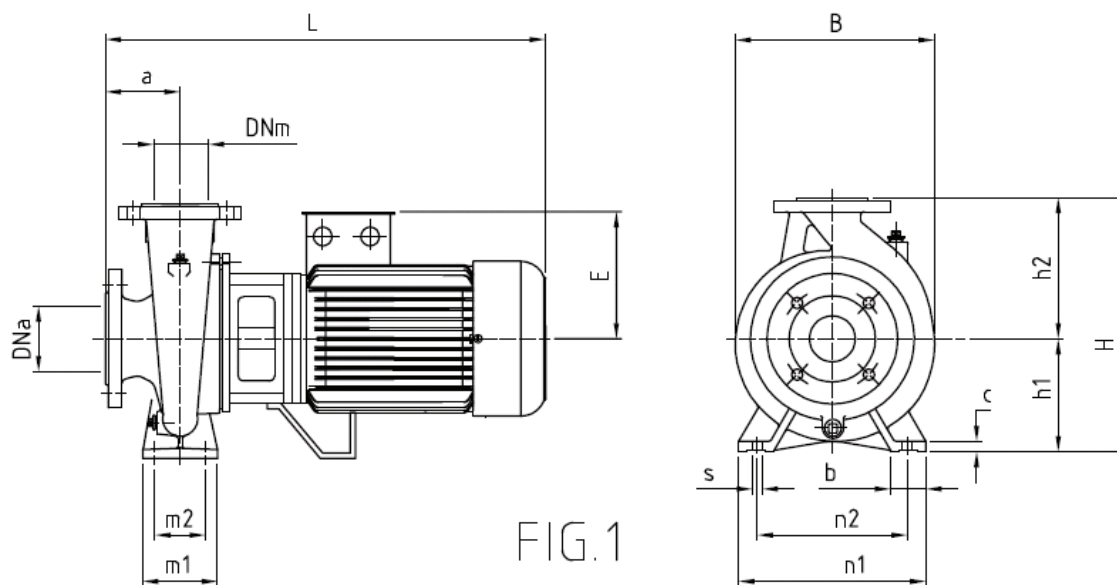
NRM4 65X40

SURFACE PUMPS - MONOBLOC NORMALISED PUMPS

Type	Flow rate Q [m³/h]	6	7.5	9	10.5	12	13.5	15	16.5	18	21	24
NRM4 65x40x125X	Delivery head H [m]	6.3	6.2	6.1	6.0	5.8	5.5	5.2	4.9	4.4	3.0	
NRM4 65x40x125Y		4.6	4.5	4.3	4.1	3.9	3.6	3.3	2.9	2.4		
NRM4 65x40x160X		8.8	8.6	8.3	8.0	7.7	7.3	6.9	6.4	5.9	4.5	
NRM4 65x40x200X		14.2	14.0	13.8	13.4	13.0	12.5	11.8	11.0	10.2	8.3	6.0
NRM4 65x40x200Y		12.7	12.5	12.1	11.7	11.2	10.7	10.1	9.3	8.5	7.0	
NRM4 65x40x250X		22.5	22.3	22.0	21.7	21.4	21.0	20.5	20.0	19.5	18.5	17.0
NRM4 65x40x250Y		18.3	18.0	17.7	17.4	17.0	16.6	16.2	15.6	15.0	13.7	12.0

NRM4 65X40

Type	Code No.	Voltage	Motor rating P2	Motor frame	Current	Weight
NRM4 65x40x125X	AT07191	230/400 V	0.37 kW	71	1.2 A	21.5 kg
NRM4 65x40x125Y	AT07189	230/400 V	0.25 kW	71	0.9 A	20.5 kg
NRM4 65x40x160X	AT07197	230/400 V	0.55 kW	71	1.7 A	25.0 kg
NRM4 65x40x200X	AT07205-IE3	230/400 V	1.10 kW	90	2.5 A	39.9 kg
NRM4 65x40x200Y	AT07203-IE3	230/400 V	1.10 kW	90	2.5 A	39.9 kg
NRM4 65x40x250X	AT07211-IE3	230/400 V	2.20 kW	100	5.1 A	56.9 kg
NRM4 65x40x250Y	AT07209-IE3	230/400 V	1.50 kW	90	3.4 A	49.4 kg



DIMENSIONS [mm]

Type	Fig.	DNa	DNm	a	h1	h2	b	c	m1	m2	n1	n2	s	B	H	L~	E~
NRM4 65x40x125X	1	65	40	80	112	140	50	12	100	70	210	160	14	230	252	405	110
NRM4 65x40x125Y	1	65	40	80	112	140	50	12	100	70	210	160	14	230	252	405	110
NRM4 65x40x160X	1	65	40	80	132	160	50	12	100	70	240	190	14	230	292	405	110
NRM4 65x40x200X	1	65	40	100	160	180	50	12	100	70	265	212	14	242	340	476	138
NRM4 65x40x200Y	1	65	40	100	160	180	50	12	100	70	265	212	14	285	340	476	138
NRM4 65x40x250X	1	65	40	100	180	225	65	12	125	95	320	250	14	325	405	415	145
NRM4 65x40x250Y	1	65	40	100	180	225	65	12	125	95	320	250	14	325	405	476	138

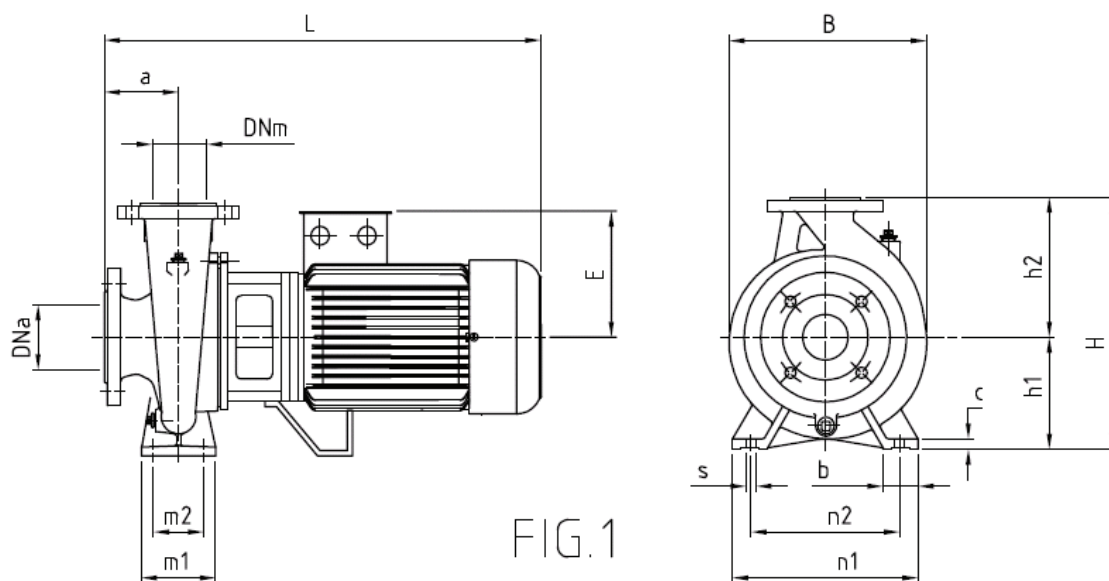
NRM4 65X50

SURFACE PUMPS - MONOBLOC NORMALISED PUMPS

Type	Flow rate Q [m ³ /h]	9	10.5	12	13.5	15	16.5	18	21	24	27	30	33	36	39	42
NRM4 65x50x125X	Delivery head H [m]	6.4	6.3	6.2	6.1	6.0	5.9	5.8	5.5	5.2	4.9	4.4				
NRM4 65x50x125Y		5.3	5.3	5.2	5.1	5.0	4.9	4.8	4.5	4.1	3.6	3.0				
NRM4 65x50x160X				9.0	8.9	8.8	8.7	8.6	8.4	8.1	7.7	7.2	6.5	5.5		
NRM4 65x50x160Y				8.2	8.0	7.9	7.8	7.7	7.4	7.1	6.6	5.8	5.0	4.0		
NRM4 65x50x200X				14.3	14.2	14.1	14.0	13.7	13.0	12.3	11.3	10.2	9.1	7.8	6.4	5.0
NRM4 65x50x200Y				12.4	12.2	12.0	11.8	11.5	10.8	10.0	9.0	8.0	7.0	5.8		
NRM4 65x50x250X				22.5	22.4	22.3	22.2	22.0	21.5	20.9	20.2	19.4	18.5	17.5	16.3	15.0
NRM4 65x50x250Y				18.5	18.3	18.1	17.8	17.5	17.0	16.2	15.5	14.5	13.5	12.5	11.2	10.0

NRM4 65X50

Type	Code No.	Voltage	Motor rating P2	Motor frame	Current	Weight
NRM4 65x50x125X	AT07217	230/400 V	0.55 kW	71	1.7 A	26.0 kg
NRM4 65x50x125Y	AT07215	230/400 V	0.37 kW	71	1.2 A	25.0 kg
NRM4 65x50x160X	AT07223-IE3	230/400 V	1.10 kW	90	2.5 A	38.8 kg
NRM4 65x50x160Y	AT07221-IE3	230/400 V	0.75 kW	80	1.8 A	33.7 kg
NRM4 65x50x200X	AT07229-IE3	230/400 V	1.50 kW	90	3.4 A	41.9 kg
NRM4 65x50x200Y	AT07227-IE3	230/400 V	1.10 kW	90	2.5 A	41.9 kg
NRM4 65x50x250X	AT07235-IE3	230/400 V	3.00 kW	100	6.5 A	67.0 kg
NRM4 65x50x250Y	AT07233-IE3	230/400 V	2.20 kW	100	5.1 A	59.9 kg



DIMENSIONS [mm]

Type	Fig.	DNa	DNm	a	h1	h2	b	c	m1	m2	n1	n2	s	B	H	L~	E~
NRM4 65x50x125X	1	65	50	100	132	160	50	12	100	70	240	190	14	246	292	425	110
NRM4 65x50x125Y	1	65	50	100	132	160	50	12	100	70	240	190	14	246	292	425	110
NRM4 65x50x160X	1	65	50	100	160	180	50	12	100	70	265	212	14	269	340	476	138
NRM4 65x50x160Y	1	65	50	100	160	180	50	12	100	70	265	212	14	269	340	441	129
NRM4 65x50x200X	1	65	50	100	160	200	50	12	100	70	265	212	14	285	360	476	138
NRM4 65x50x200Y	1	65	50	100	160	200	50	12	100	70	265	250	14	285	360	476	138
NRM4 65x50x250X	1	65	50	100	180	225	65	14	125	95	320	250	14	333	405	515	145
NRM4 65x50x250Y	1	65	50	100	180	225	65	14	125	95	320	250	14	333	405	415	145

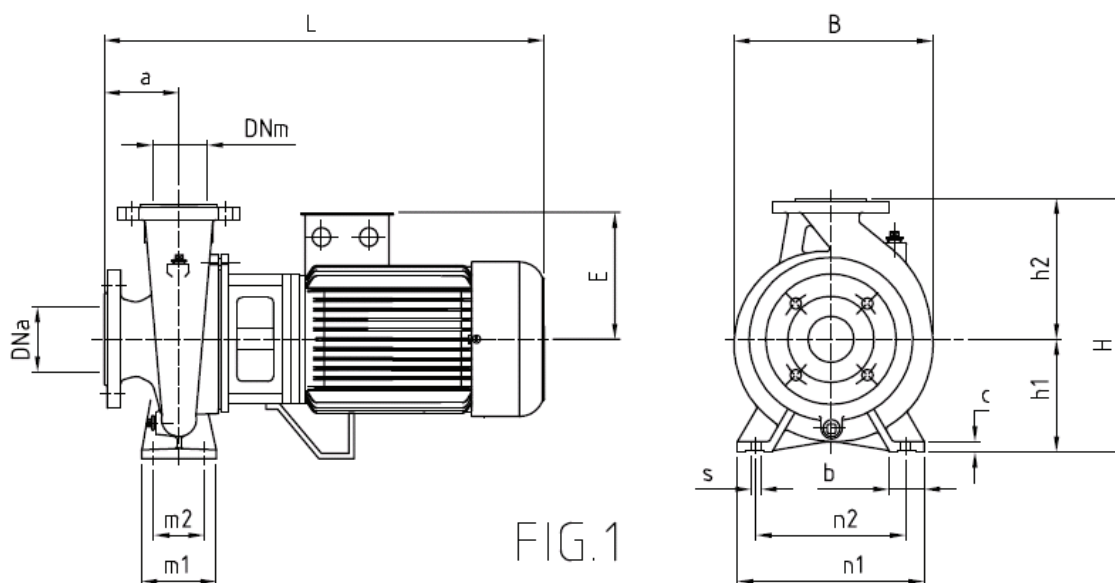
NRM4 80X65

SURFACE PUMPS - MONOBLOC NORMALISED PUMPS

Type	Flow rate Q [m³/h]	18	21	24	27	30	33	36	42	48	54	60	66	72	78	84
NRM4 80x65x125X	Delivery head H [m]	5.8	5.7	5.6	5.5	5.3	5.1	4.9	4.5	4.0						
NRM4 80x65x160X		10.2	10.1	10.0	9.9	9.8	9.6	9.4	9.0	8.5	7.7					
NRM4 80x65x160Y		8.6	8.5	8.4	8.3	8.2	8.1	8.0	7.5	6.8	6.0	5.0				
NRM4 80x65x200X						15.2	15.1	15.0	14.6	14.3	13.6	12.8	12.0	11.0		
NRM4 80x65x200Y			12.5	12.4	12.3	12.2	12.1	11.7	11.1	10.5	9.6	8.5				
NRM4 80x65x250X					23.0	22.8	22.6	22.2	21.4	20.6	19.7	18.7	17.5	16.0	14.0	
NRM4 80x65x250Y					19.5	19.3	19.1	18.4	17.5	16.5	15.5	14.0	12.5	10.5		

NRM4 80X65

Type	Code No.	Voltage	Motor rating P2	Motor frame	Current	Weight
NRM4 80x65x125X	AT07241-IE3	230/400 V	0.75 kW	80	1.8 A	32.0 kg
NRM4 80x65x160X	AT07247-IE3	230/400 V	1.50 kW	90	3.4 A	40.0 kg
NRM4 80x65x160Y	AT07245-IE3	230/400 V	1.10 kW	90	2.5 A	37.5 kg
NRM4 80x65x200X	AT07253-IE3	230/400 V	3.00 kW	100	6.5 A	57.0 kg
NRM4 80x65x200Y	AT07251-IE3	230/400 V	2.20 kW	100	5.1 A	51.0 kg
NRM4 80x65x250X	AT07259-IE3	230/400 V 400/690 V	5.50 kW	132	10.8 A	90.0 kg
NRM4 80x65x250Y	AT07257-IE3	230/400 V 400/690 V	4.00 kW	112	8.5 A	80.0 kg



DIMENSIONS [mm]

Type	Fig.	DNa	DNm	a	h1	h2	b	c	m1	m2	n1	n2	s	B	H	L~	E~
NRM4 80x65x125X	1	80	65	100	160	180	65	12	125	95	280	212	14	286	340	445	118
NRM4 80x65x160X	1	80	65	100	160	200	65	12	125	95	280	212	14	288	360	485	149
NRM4 80x65x160Y	1	80	65	100	160	200	65	12	125	95	280	212	14	288	360	485	149
NRM4 80x65x200X	1	80	65	100	180	225	65	14	125	95	320	250	14	328	405	525	159
NRM4 80x65x200Y	1	80	65	100	180	225	65	14	125	95	320	250	14	328	405	525	159
NRM4 80x65x250X	1	80	65	100	200	250	80	14	160	120	360	280	14	365	450	640	184
NRM4 80x65x250Y	1	80	65	100	200	250	80	14	160	120	360	280	14	365	450	535	159

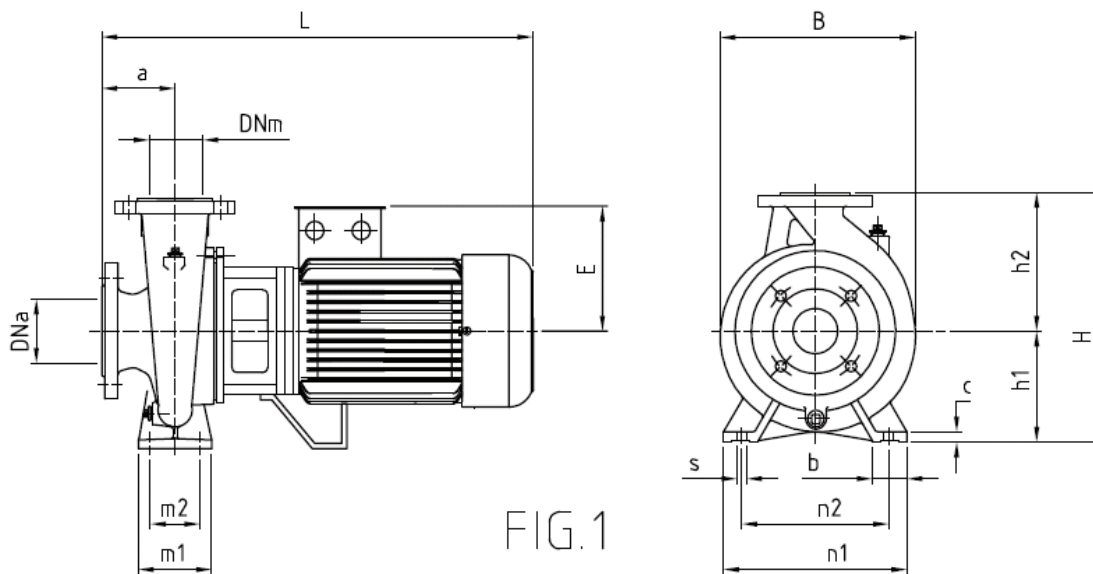
NRM4 100X80

SURFACE PUMPS - MONOBLOC NORMALISED PUMPS

Type	Flow rate Q [m³/h]	36	39	42	48	54	60	66	72	78	84	90	105	120	135
NRM4 100x80x160X	Delivery head H [m]	9.7	9.6	9.5	9.3	9.0	8.8	8.5	8.2	7.9	7.5	7.1	6.0		
NRM4 100x80x160Y		7.7	7.6	7.5	7.3	7.0	6.7	6.4	6.1	5.8	5.4	5.0			
NRM4 100x80x200X		14.5	14.4	14.2	14.0	13.8	13.5	13.1	12.7	12.2	11.6	11.0	9.0	6.5	
NRM4 100x80x200Y		12.0	11.9	11.8	11.5	11.3	11.0	10.5	10.0	9.5	9.0	8.5	7.0		
NRM4 100x80x250X						22.0	21.9	21.7	21.2	20.8	20.5	20.0	18.5	16.8	14.5
NRM4 100x80x250Y						19.0	18.5	18.0	17.5	17.0	16.5	16.0	14.0	12.0	

NRM4 100X80

Type	Code No.	Voltage	Motor rating P2	Motor frame	Current	Weight
NRM4 100x80x160X	AT07265-IE3	230/400 V	2.2 kW	100	5.1 A	53.9 kg
NRM4 100x80x160Y	AT07263-IE3	230/400 V	1.5 kW	90	3.4 A	46.9 kg
NRM4 100x80x200X	AT07271-IE3	230/400 V 400/690 V	4.0 kW	112	8.5 A	81.9 kg
NRM4 100x80x200Y	AT07269-IE3	230/400 V	3.0 kW	100	6.5 A	70.0 kg
NRM4 100x80x250X	AT07278-IE3	230/400 V 400/690 V	7.5 kW	132	14.4 A	127.0 kg
NRM4 100x80x250Y	AT07275-IE3	230/400 V 400/690 V	5.5 kW	132	10.8 A	113.1 kg



DIMENSIONS [mm]

Type	Fig.	DNa	DNm	a	h1	h2	b	c	m1	m2	n1	n2	s	B	H	L~	E~
NRM4 100x80x160X	1	100	80	125	180	225	65	14	125	95	320	250	14	330	405	440	145
NRM4 100x80x160Y	1	100	80	125	180	225	65	14	125	95	320	250	14	330	405	501	138
NRM4 100x80x200X	1	100	80	125	180	250	65	12	125	95	345	280	14	355	430	574	160
NRM4 100x80x200Y	1	100	80	125	180	250	65	12	125	95	345	280	14	355	430	552	145
NRM4 100x80x250X	1	100	80	125	200	280	80	14	160	120	400	315	18	400	480	671	194
NRM4 100x80x250Y	1	100	80	125	200	280	80	14	160	120	400	315	18	400	480	631	194

NRM4 125X100

SURFACE PUMPS - MONOBLOC NORMALISED PUMPS

Type	Flow rate Q [m ³ /h]	54	60	66	72	78	84	90	105	120	135	150	165	180
NRM4 125x100x200X	Delivery head H [m]	14.5	14.4	14.2	14.0	13.8	13.6	13.4	12.8	12.0	11.0	10.0	8.5	
NRM4 125x100x200Y		12.4	12.2	12.0	11.8	11.6	11.4	11.2	10.3	9.3	8.2	6.8	4.8	
NRM4 125x100x250X			22.0	21.9	21.8	21.7	21.6	21.3	20.5	19.6	18.5	17.0	15.0	13.0
NRM4 125x100x250Y			19.5	19.3	19.1	18.9	18.7	18.5	17.5	16.5	15.2	14.0	12.0	

NRM4 125X100

Type	Code No.	Voltage	Motor rating P2	Motor frame	Current	Weight
NRM4 125x100x200X	AT07283-IE3	230/400 V 400/690 V	5.5 kW	132	10.8 A	107.1 kg
NRM4 125x100x200Y	AT07281-IE3	230/400 V 400/690 V	4.0 kW	112	8.5 A	79.9 kg
NRM4 125x100x250X	AT07290-IE3	230/400 V 400/690 V	11.0 kW	160	22.0 A	161.0 kg
NRM4 125x100x250Y	AT07288-IE3	230/400 V 400/690 V	7.5 kW	132	14.4 A	126.0 kg

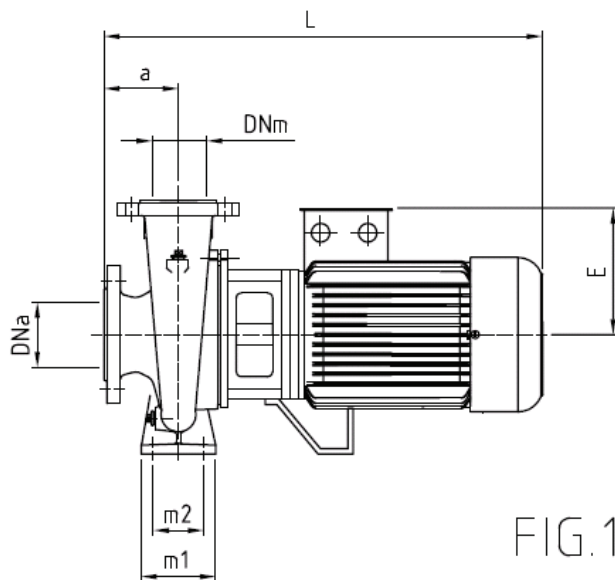


FIG.1

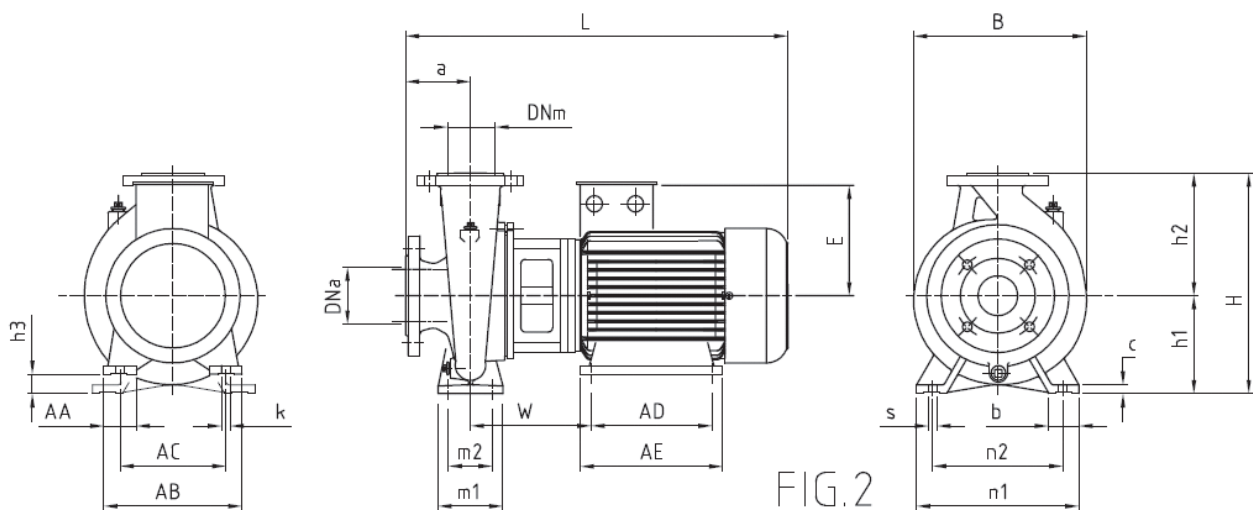
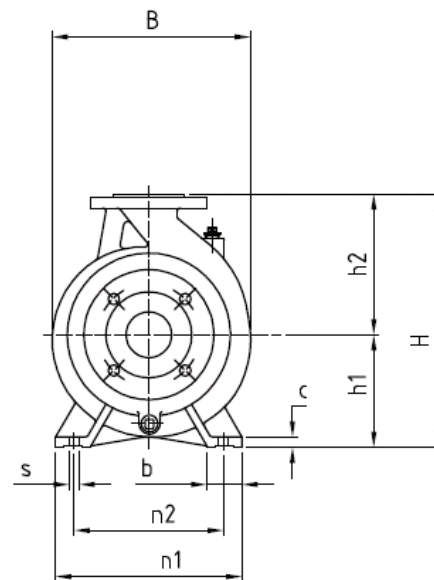


FIG.2

NRM4 125X100

SURFACE PUMPS - MONOBLOC NORMALISED PUMPS

DIMENSIONS [mm]

Type	Fig.	DNa	DNm	a	h1	h2	h3	b	c	m1	m2	n1	n2	s	B	H	k	L~	E~	W	AC	AD	AE	AA	AB
NRM4 125x100x200X	1	125	100	125	200	280		80	14	160	120	360	280	18	385	480		631	194						
NRM4 125x100x200Y	1	125	100	125	200	280		80	14	160	120	360	280	18	385	480		574	160						
NRM4 125x100x250X	2	125	100	140	225	280	65	80	14	160	120	400	315	18	420	505	14	779	238	191	254	210	270	76	320
NRM4 125x100x250Y	1	125	100	140	225	280		80	14	160	120	400	315	18	420	505		686	194						

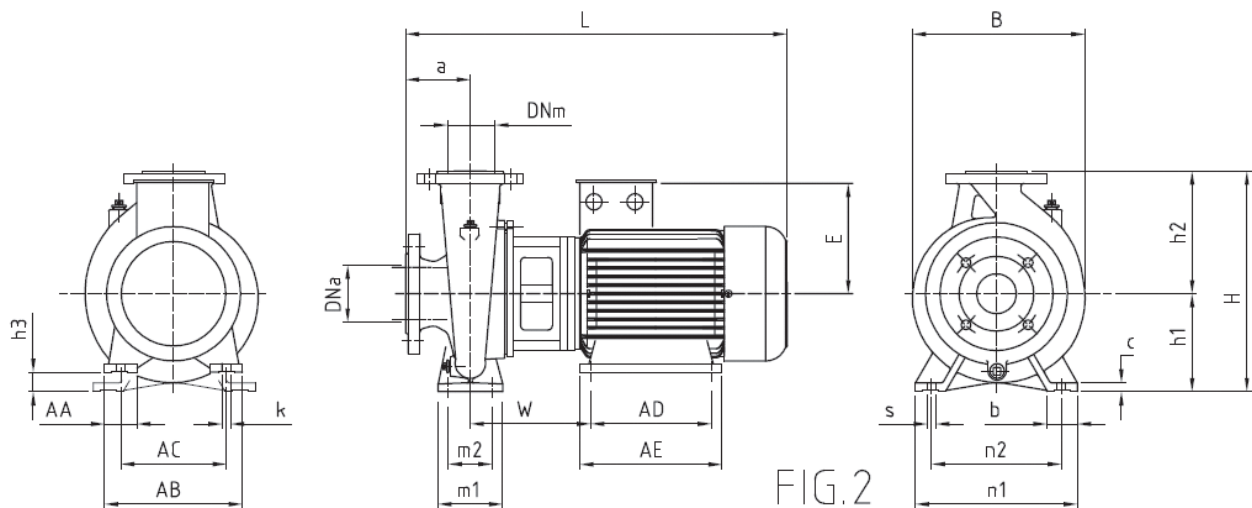
NRM4 150X125

SURFACE PUMPS - MONOBLOC NORMALISED PUMPS

Type	Flow rate Q [m³/h]	108	120	150	180	210	240	270	300
NRM4 150x125x200W	Delivery head H [m]	10.4	10.2	9.4	8.3	6.8			
NRM4 150x125x200X		14.3	14.2	13.8	13.2	12.3	11.1	9.6	8.0
NRM4 150x125x200Y		13.0	12.8	12.3	11.6	10.5	9.1	7.5	
NRM4 150x125x200Z		11.6	11.5	10.9	9.9	8.6	7.0		
NRM4 150x125x250X			20.8	19.7	18.6	17.0	15.2	13.2	
NRM4 150x125x250Y			19.8	19.0	18.0	16.6	15.0		
NRM4 150x125x250Z		17.0	16.6	15.7	14.4	12.6			

NRM4 150X125

Type	Code No.	Voltage	Motor rating P2	Motor frame	Current	Weight
NRM4 150x125x200W	AT07404-IE3	400/690 V	5.5 kW	132	10.8 A	137.1 kg
NRM4 150x125x200X	AT07410-IE3	400/690 V	11.0 kW	160	22.0 A	187.0 kg
NRM4 150x125x200Y	AT07408-IE3	400/690 V	7.5 kW	132	14.4 A	155.0 kg
NRM4 150x125x200Z	AT07406-IE3	400/690 V	7.5 kW	132	14.4 A	148.0 kg
NRM4 150x125x250X	AT07420-IE3	400/690 V	15.0 kW	160	29.0 A	205.0 kg
NRM4 150x125x250Y	AT07418-IE3	400/690 V	15.0 kW	160	29.0 A	205.0 kg
NRM4 150x125x250Z	AT07416-IE3	400/690 V	11.0 kW	160	22.0 A	197.5 kg



DIMENSIONS [mm]

Type	Fig.	DNa	DNm	a	h1	h2	h3	b	c	m1	m2	n1	n2	s	B	H	k	L~	E~	W	AC	AD	AE	AA	AB
NRM4 150x125x200W	2	150	125	140	250	280	118	80	14	160	120	400	315	18	470	565	12	657	194	230	216	140	180	59	256
NRM4 150x125x200X	2	150	125	140	250	315	90	80	14	160	120	400	315	18	470	565	14	790	238	241	254	210	270	76	320
NRM4 150x125x200Y	2	150	125	140	250	315	118	80	14	160	120	400	315	18	470	565	12	697	194	241	216	178	218	59	256
NRM4 150x125x200Z	2	150	125	140	250	315	118	80	14	160	120	400	315	18	470	565	12	697	194	241	216	178	218	59	256
NRM4 150x125x250X	2	150	125	140	250	355	90	80	16	160	120	400	315	18	470	605	14	854	238	280	254	254	310	76	320
NRM4 150x125x250Y	2	150	125	140	250	355	90	80	16	160	120	400	315	18	470	605	14	854	238	260	254	254	310	76	320
NRM4 150x125x250Z	2	150	125	140	250	355	90	80	16	160	120	400	315	18	470	605	14	790	238	260	254	210	270	76	320

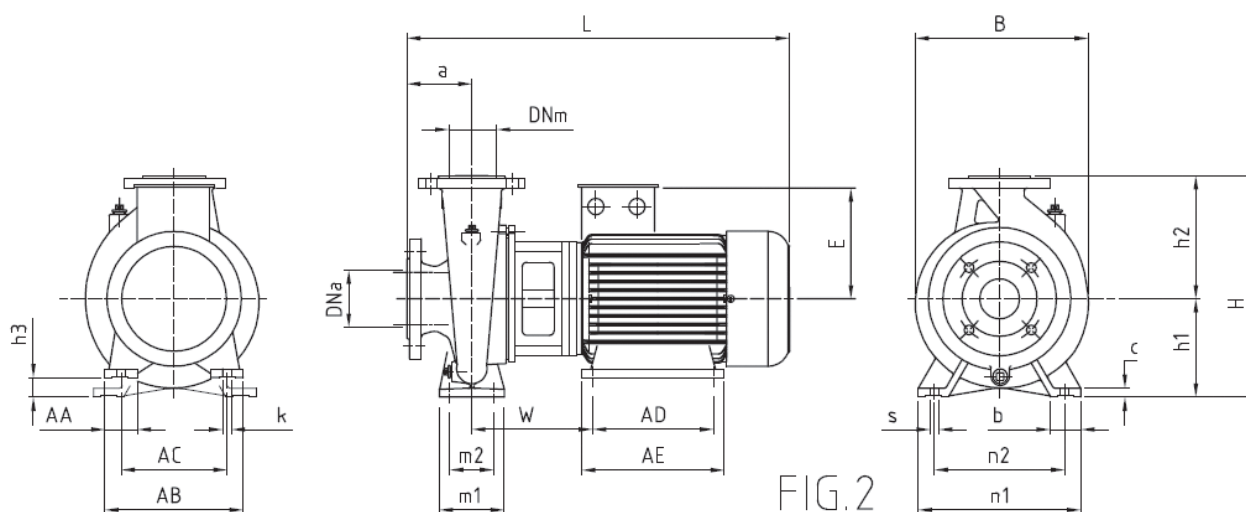
NRM4 200X150

SURFACE PUMPS - MONOBLOC NORMALISED PUMPS

Type	Flow rate Q [m³/h]	150	180	210	240	270	300	330	360	390
NRM4 200x150x200W	Delivery head H [m]	10.4	9.7	8.9	7.9	6.7	5.5			
NRM4 200x150x200X			14.5	14.0	13.2	12.5	11.6	10.6	9.4	8.0
NRM4 200x150x200Y			13.3	12.6	12.0	11.1	10.1	9.0	7.6	
NRM4 200x150x200Z		11.5	10.9	10.2	9.3	8.3	7.0	5.8		

NRM4 200X150

Type	Code No.	Voltage	Motor rating P2	Motor frame	Current	Weight
NRM4 200x150x200W	AT07424-IE3	400/690 V	5.5 kW	132	14.4 A	181.0 kg
NRM4 200x150x200X	AT07430-IE3	400/690 V	15.0 kW	160	29.0 A	220.0 kg
NRM4 200x150x200Y	AT07428-IE3	400/690 V	11.0 kW	160	22.0 A	218.0 kg
NRM4 200x150x200Z	AT07426-IE3	400/690 V	11.0 kW	160	22.0 A	210.5 kg



DIMENSIONS [mm]

Type	Fig.	DNa	DNm	a	h1	h2	h3	b	c	m1	m2	n1	n2	s	B	H	k	L~	E~	W	AC	AD	AE	AA	AB
NRM4 200x150x200W	2	200	150	160	280	400	148	100	22	200	155	550	450	24	550	680	12	717	194	280	216	178	218	59	256
NRM4 200x150x200X	2	200	150	160	280	400	120	100	22	200	155	550	450	24	550	680	14	874	238	260	254	254	310	76	320
NRM4 200x150x200Y	2	200	150	160	280	400	120	100	22	200	155	550	450	24	550	680	14	810	238	260	254	210	270	76	320
NRM4 200x150x200Z	2	200	150	160	280	400	120	100	22	200	155	550	450	24	550	680	14	810	238	241	254	210	270	76	320

NRM

SURFACE PUMPS - MONOBLOC NORMALISED PUMPS

PGA-DELTA OIL

SURFACE PUMPS - SPECIAL USE

- Continuous service
- Self-priming
- High reliability
- Sturdy and resistant



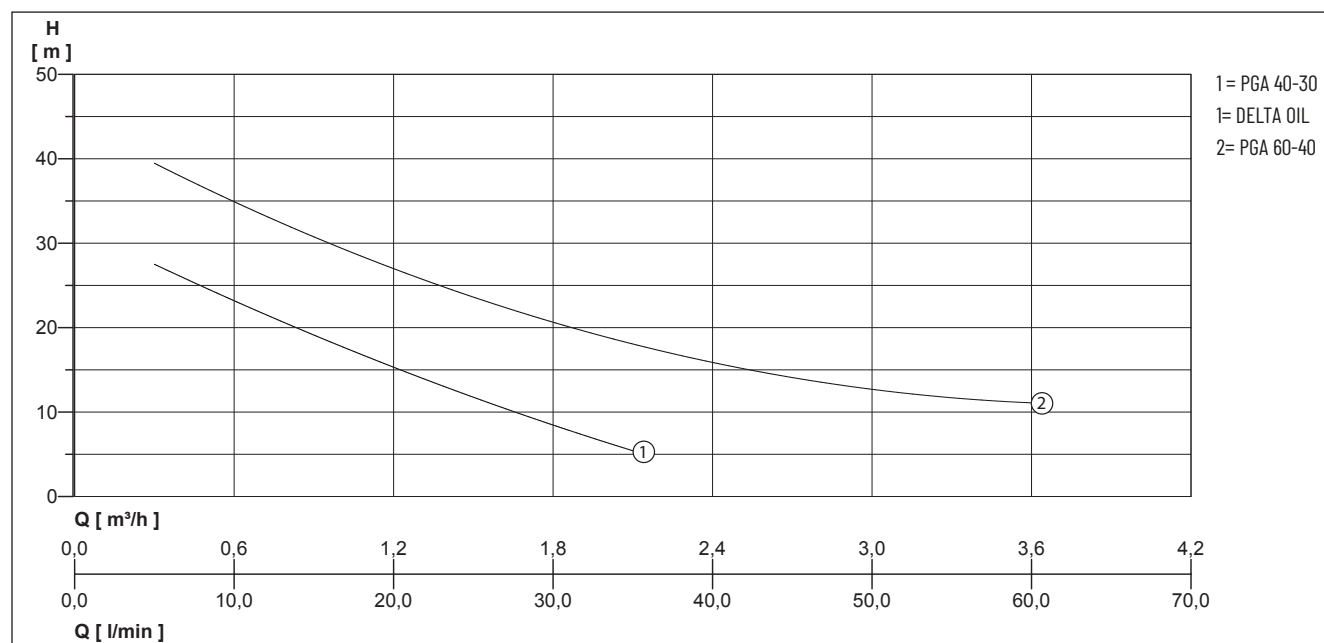
DESCRIPTION

The pumps of the series PGA are particularly suitable for diesel transfer. Available in the version complete with power cable, switch and handle. Equipped with a safety tube for the discharge of any leakage.

APPLICATIONS

- Realization of distribution boosters.
- For diesel transfer on farms.
- Soil processing machines.
- Small pumping stations.

PERFORMANCE



We reserve the right to change specifications without notice. Pump performance is subject to ISO 9906 ISO 9906:2012 - Grade 3B tolerances.

Type	Flow rate Q [m³/h]	0.3	0.6	0.9	1.5	2.1	2.7	3.6
PGA/DELTA 40/OIL - 30 M/T	Delivery head H [m]	28	23	18	13	5		
PGA 60 - 40 M/T		39	34	32	25	18	12	12

PGA-DELTA OIL

SURFACE PUMPS - SPECIAL USE

MECHANICAL DATA

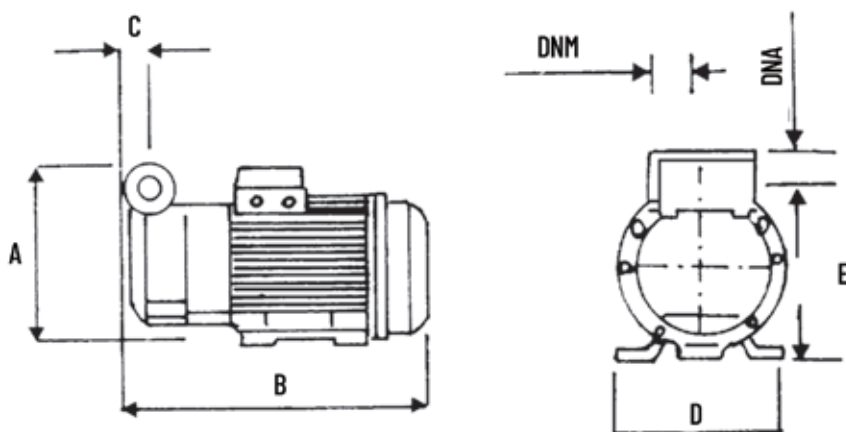
Shaft	Stainless steel X 12 CrNiS 1809 (AISI 416)	Contourface	Ceramic
Impeller	Brass	Operating pressure max.	6 bar
Motor housing	Cast iron EN GJL 200	Type of liquid	diesel
Pump housing	Cast iron EN GJL 200	Temperature of the liquid max.	50 °C
Mechanical seal	Graphite	Suction height max.	5 m
		Gasket	NBR 70 shore

ELECTRICAL DATA

Type of enclosure	IP 44	Ambient temperature max.	40 °C
Insulation class	F	Rotation speed	2850 rpm

PGA-DELTA OIL

Type	Code No.	Voltage	Motor rating		Current	Weight
			P1	P2		
PGA 40 - 30 M	N6232090	1/N/PE~230 V	0.55 kW	0.45 kW	2.7 A	6.2 kg
PGA 40 - 30 T	N6232100	3/PE~230/400 V	0.55 kW	0.45 kW	1.6 A/0.9 A	6.2 kg
PGA 60 - 40 M	N6232130	1/N/PE~230 V	0.90 kW	0.60 kW	4.5 A	8.0 kg
PGA 60 - 40 T	N6232140	1/N/PE~230 V	0.90 kW	0.60 kW	2.7 A/1.6 A	8.0 kg
DELTA OIL	N6232170	1/N/PE~230 V	0.55 kW	0.45 kW	2.7 A	7.0 kg



DIMENSIONS [mm]

Type	A	B	C	D	DNA	DNM	E
PGA 40 - 30 M/T	141	255	20	120	3/4"	3/4"	119
PGA 60 - 40 M/T	148	260	24	120	1"	1"	123
DELTA OIL	141	255	20	120	3/4"	3/4"	119

SECTION 3

PUMPS FOR OPEN AND DRILLED WELLS



PRATIKA

PUMPS FOR OPEN AND DRILLED WELLS

PAG. 139



SCM 4 PLUS

PUMPS FOR OPEN AND DRILLED WELLS

PAG. 151



DOMINATOR 4 PLUS

PUMPS FOR OPEN AND DRILLED WELLS

PAG. 141



VERSAILLES

PUMPS FOR OPEN AND DRILLED WELLS

PAG. 165



DOMINATOR 5

PUMPS FOR OPEN AND DRILLED WELLS

PAG. 145



DOMINATOR 5 RW

PUMPS FOR OPEN AND DRILLED WELLS

PAG. 149

PRATIKA

PUMPS FOR OPEN AND DRILLED WELLS

- Ø 32 mm elbow fitting hose supplied
- Automatic version with float switch
- Ready to use
- 100% stainless steel



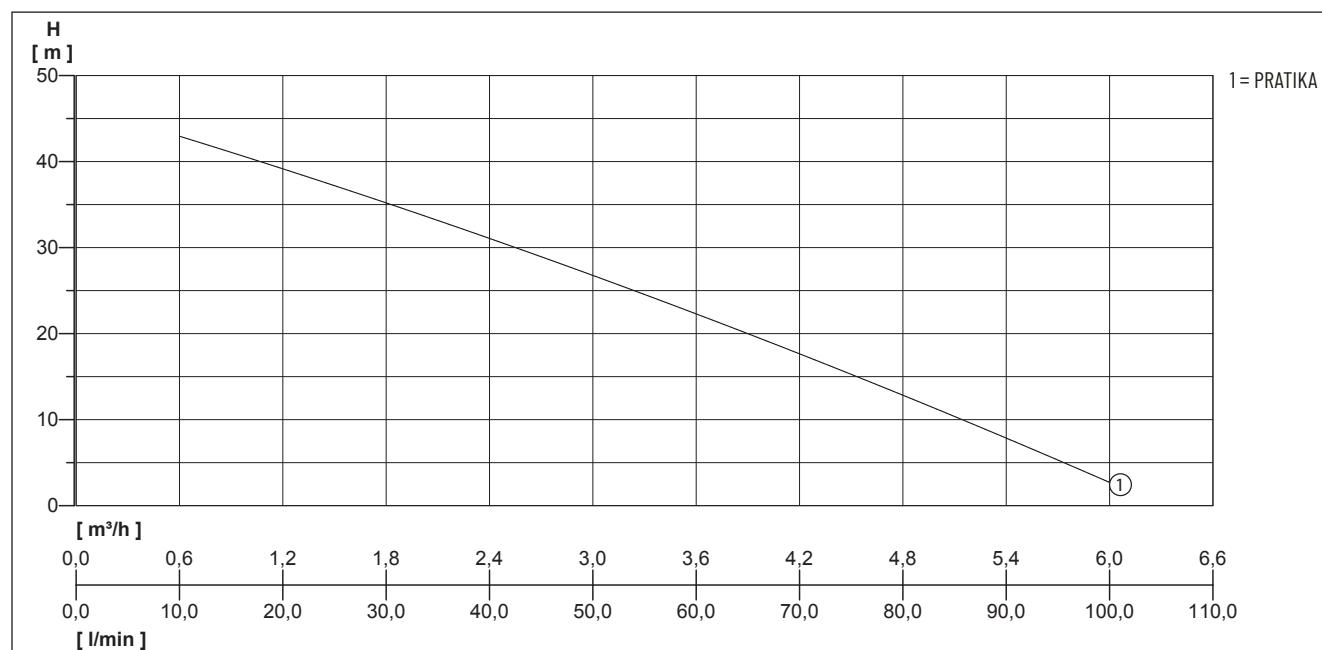
DESCRIPTION

PRATIKA submersible pumps are ready to use and install in traditional wells, water deposits, collection tanks, fresh water courses, lakes etc.

APPLICATIONS

- Lifting of water from traditional wells
- Installations in tanks inside homes for the pressurization of systems.
- Small automatic systems for garden irrigation
- Surface irrigation

PERFORMANCE



We reserve the right to change specifications without notice. Pump performance is subject to ISO 9906 ISO 9906:2012 - Grade 3B tolerances.

Type	Flow rate Q [m³/h]	0	1.2	2.4	3.6	4.8	6
PRATIKA-MAN/PRATIKA-AUT	Delivery head H [m]	46	39	31	23	12	3

PRATIKA

PUMPS FOR OPEN AND DRILLED WELLS

MECHANICAL DATA

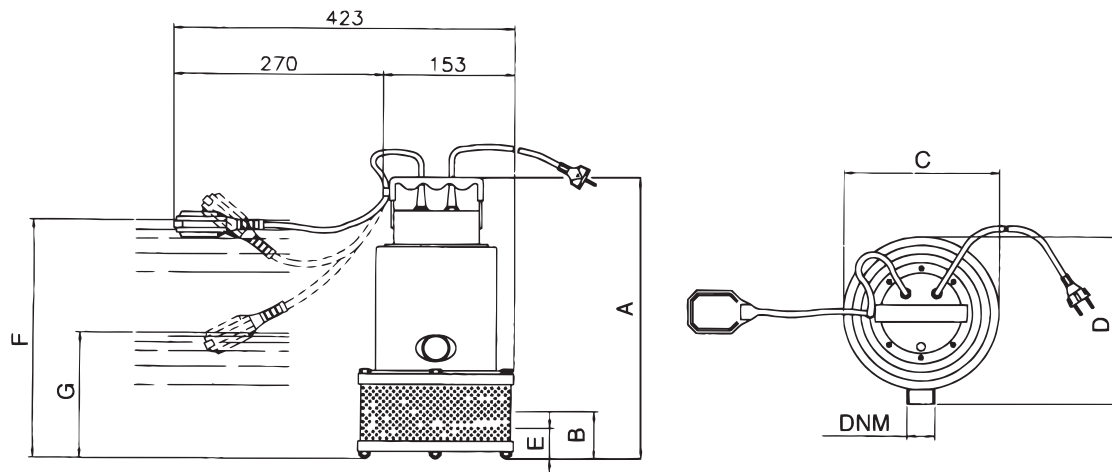
Free passage	1.5 mm	Diffuser	Technopolymer
Bearing	Self-lubricating ball bearings.	Mechanical seal	Graphite. Lubricated in oil chamber
Oil chamber	Yes	Contourface	Ceramic. Lubricated in oil chamber
Shaft	Stainless steel X5 CrNi 1810 (AISI 304) with ceramic bushing in the points of wear of the seals.	Type of liquid	clean water without suspended solids or abrasive material
Impeller	Technopolymer	Temperature of the liquid max.	40 °C
Pump housing	Stainless steel X5 CrNi 1810 (AISI 304)	Suction height max.	10 m
Submersible	Yes	Weight	9 kg

ELECTRICAL DATA

Voltage	1/N/PE~230 V	Type of enclosure	IP 68
Motor rating P1	1.2 kW	Insulation class	F
Motor rating P2	0.8 kW	Plug	Safety
Current	5 A	Rotation speed	2850 rpm
Power line	15m H07RN-F		

PRATIKA

Type	Code No.
PRATIKA-MAN	N3051010-B
PRATIKA-AUT	N3051000-B



DIMENSIONS [mm]

Type	A	B	C	D	F	G	DNM	E
PRATIKA-MAN	406	162	178	182	490	260	1 1/4"	50
PRATIKA-AUT	406	162	178	182	490	260	1 1/4"	60

DOMINATOR 4 PLUS

PUMPS FOR OPEN AND DRILLED WELLS

- Double mechanical seal
- Hydraulic system particularly resistant to the corrosive action of sand
- Integrated non-return valve
- Capacitor incorporated



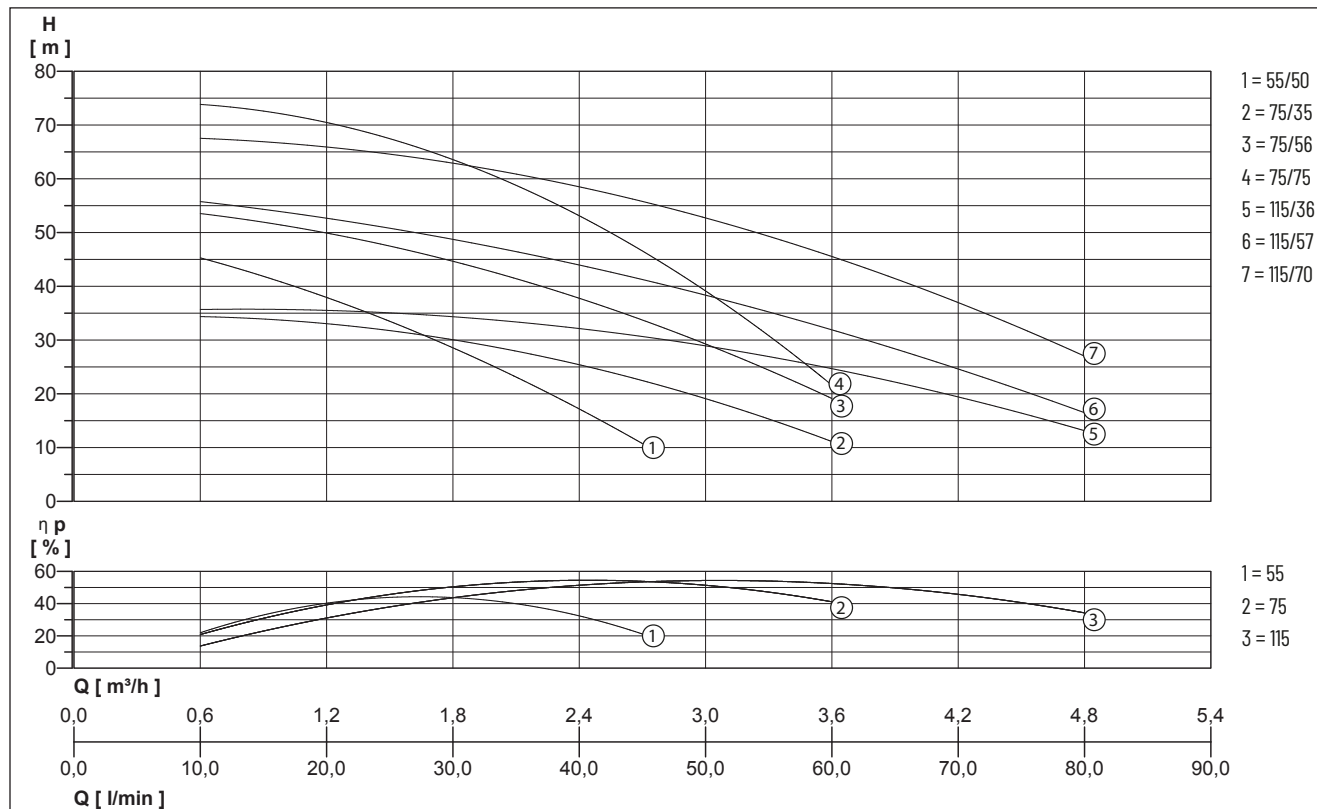
DESCRIPTION

DOMINATOR 4 Plus submersible pumps with double mechanical seal are suitable for installations in traditional wells, water deposits, collection tanks, clear watercourses, lakes, etc. Nylon suspension rope (20m) included

APPLICATIONS

- Lifting of water from traditional wells
- Installations in tanks inside homes for the pressurization of systems.
- Small automatic systems for garden irrigation
- Surface irrigation

PERFORMANCE



We reserve the right to change specifications without notice. Pump performance is subject to ISO 9906 ISO 9906:2012 - Grade 3B tolerances. MEI ≥ 0.4 - Reference MEI ≥ 0.70 - The information on the reference efficiency is available at the address: www.europump.org/efficiencycharts

DOMINATOR 4 PLUS

PUMPS FOR OPEN AND DRILLED WELLS

Type	Flow rate Q [m³/h]	0	1.2	2.4	3.6	4.8
	Delivery head H [m]	50.0	38.7	17.0		
DOMINATOR 4 PLUS 55/50 M		35.0	33.0	26.0	11.0	
DOMINATOR 4 PLUS 75/35 M		56.0	48.9	38.1	19.0	
DOMINATOR 4 PLUS 75/56 M		75.0	70.0	53.0	21.6	
DOMINATOR 4 PLUS 75/75 M		36.0	35.0	32.0	25.0	13.0
DOMINATOR 4 PLUS 115/36 M		57.0	52.0	44.4	31.5	16.6
DOMINATOR 4 PLUS 115/57 M		70.0	65.0	59.0	45.4	27.0

MECHANICAL DATA

Bearing	Self-lubricating ball bearings.	Pump housing	Stainless steel Europe: EN10088-1 X 5 CrNi 1810 (1.4301)
Oil chamber	Yes		USA: AISI 304
Shaft	Immersed part - Europe: EN10088-1 X 8 CrNiS 18-9 (1.4305) USA: AISI 303/ Motor side - carbon steel	Submersible	Yes
		Type of liquid	clean water without suspended solids or abrasive material
Impeller	Acetal resin	Temperature of the liquid max.	40 °C
Motor housing	Stainless steel	Suction height max.	17 m
		Non return valve	Thermoplastic with NBR o-ring integrated

ELECTRICAL DATA

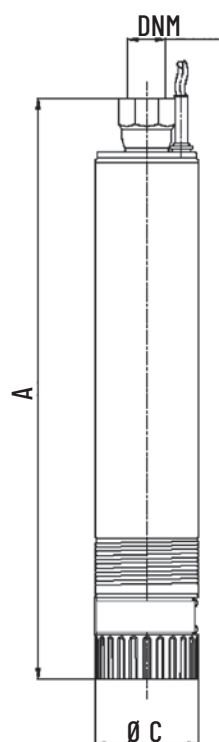
Voltage	1/N/PE~230 V	Insulation class	F
Power line	20m H07RN-F	Plug	Safety
Type of enclosure	IP 68	Rotation speed	2850 rpm

DOMINATOR 4 PLUS

Type	Code No.	Motor rating P1	P2	Current	Weight
DOMINATOR 4 PLUS 55/50 M	N3200170	0.80 kW	0.56 kW	3.8 A	10.4 kg
DOMINATOR 4 PLUS 75/35 M	N3200220	0.60 kW	0.35 kW	3.0 A	10.2 kg
DOMINATOR 4 PLUS 75/56 M	N3200160	0.75 kW	0.60 kW	3.3 A	10.8 kg
DOMINATOR 4 PLUS 75/75 M	N3200250	1.10 kW	0.70 kW	5.0 A	12.5 kg
DOMINATOR 4 PLUS 115/36 M	N3200210	0.75 kW	0.40 kW	3.5 A	10.2 kg
DOMINATOR 4 PLUS 115/57 M	N3200180	1.10 kW	0.80 kW	5.0 A	10.8 kg
DOMINATOR 4 PLUS 115/70 M	N3200260	1.30 kW	0.80 kW	6.0 A	12.5 kg

DOMINATOR 4 PLUS

PUMPS FOR OPEN AND DRILLED WELLS



DIMENSIONS [mm]

Type	A	C	DNM
DOMINATOR 4 PLUS 55/50 M	549	98	1 1/4"
DOMINATOR 4 PLUS 75/35 M	560	98	1 1/4"
DOMINATOR 4 PLUS 75/56 M	643	98	1 1/4"
DOMINATOR 4 PLUS 75/75 M	760	98	1 1/4"
DOMINATOR 4 PLUS 115/36 M	560	98	1 1/4"
DOMINATOR 4 PLUS 115/57 M	643	98	1 1/4"
DOMINATOR 4 PLUS 115/70 M	732	98	1 1/4"

DOMINATOR 4 PLUS

PUMPS FOR OPEN AND DRILLED WELLS

DOMINATOR 5

PUMPS FOR OPEN AND DRILLED WELLS

- 100% stainless steel
- Ready to use
- Automatic version with float switch



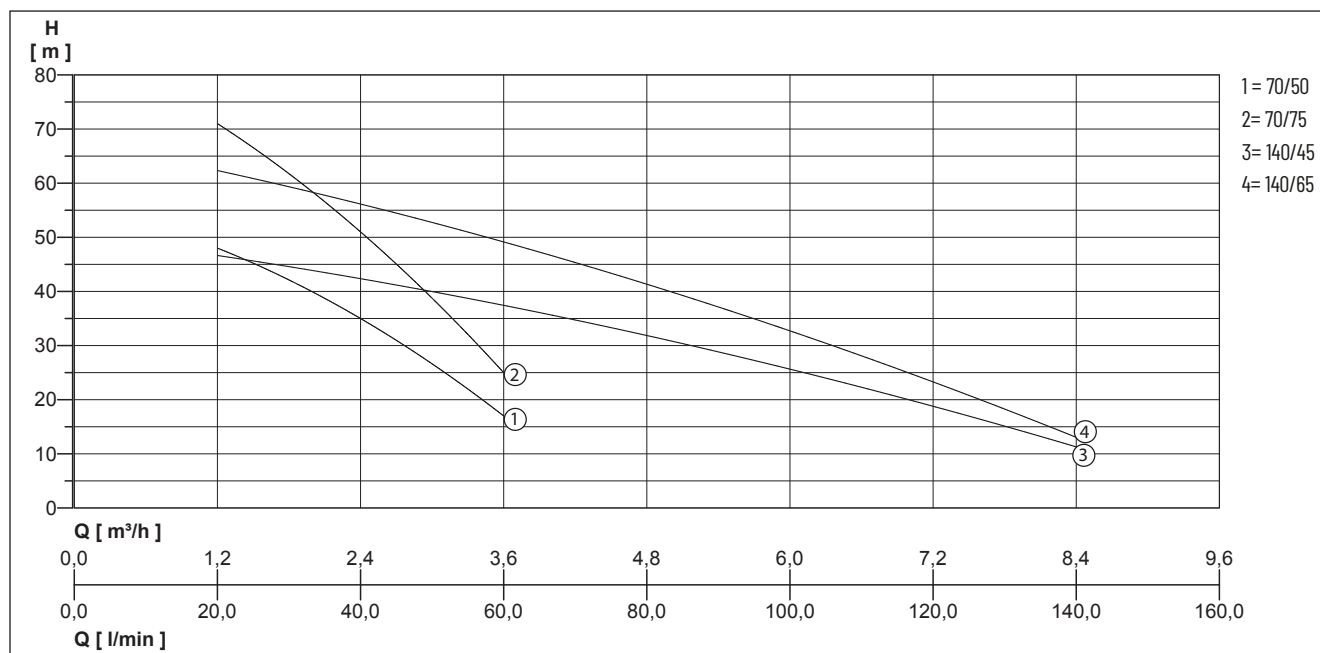
DESCRIPTION

DOMINATOR 5" submersible pumps are ready to use and install in traditional wells, water deposits, collection tanks, fresh water courses, lakes etc. Automatic version equipped with float switch.

APPLICATIONS

- Lifting of water from traditional wells
- Installations in tanks inside homes for the pressurization of systems.
- Small automatic systems for garden irrigation
- Surface irrigation

PERFORMANCE



We reserve the right to change specifications without notice. Pump performance is subject to ISO 9906 ISO 9906:2012 - Grade 3B tolerances.

Type	Flow rate Q [m³/h]	0	1.2	2.4	3.6	4.8	6	7.2	8.4
DOMINATOR 5" 70/50B M/T	Delivery head H [m]	55	48	35	17				
DOMINATOR 5" 70/75B M/T		78	71	51	25				
DOMINATOR 5" 140/45B M/T		50	47	42	37	32	26	19	11
DOMINATOR 5" 140/65B M/T		68	63	55	49	42	33	23	13

DOMINATOR 5

PUMPS FOR OPEN AND DRILLED WELLS

MECHANICAL DATA

Bearing	Self-lubricating ball bearings.	Diffuser	Stainless steel X5CrNi18-10 (AISI 304)
Oil chamber	Yes	Mechanical seal	Graphite. Lubricated in oil chamber
Shaft	Stainless steel X5 CrNi 1810 (AISI 304)	Contourface	Aluminium oxide. Lubricated in oil chamber
Impeller	Stainless steel X5CrNi18-10 (AISI 304)	Type of liquid	clean water without suspended solids or abrasive material
Motor housing	Stainless steel	Temperature of the liquid max.	40 °C
Pump housing	Stainless steel X5 CrNi 1810 (AISI 304)	Suction height max.	17 m
Submersible	Yes		

ELECTRICAL DATA

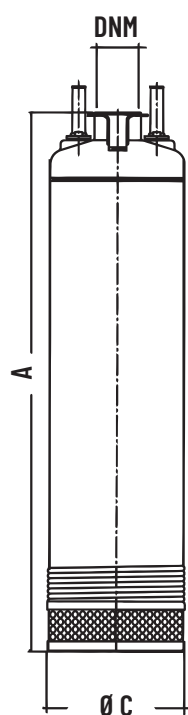
Power line	20m S07RN-F	Insulation class	F
Type of enclosure	IP 68	Rotation speed	2850 rpm

DOMINATOR 5

Type	Code No.	Voltage	Motor rating		Current	Plug	Weight
			P1	P2			
DOMINATOR 5" 70/50B M	N3191230	1/N/PE~230 V	0.9 kW	0.6 kW	4.0 A	Safety	13.7 kg
DOMINATOR 5" 70/50B M AUT	N3191240	1/N/PE~230 V	0.9 kW	0.6 kW	4.0 A	Safety	13.7 kg
DOMINATOR 5" 70/50B T	N3191250	3/N/PE~400 V	0.9 kW	0.6 kW	1.8 A	Without	13.7 kg
DOMINATOR 5" 70/50B T	N3191260	3/N/PE~230 V	0.9 kW	0.6 kW	3.0 A	Without	13.7 kg
DOMINATOR 5" 70/75B M	N3191220	1/N/PE~230 V	1.3 kW	0.9 kW	6.0 A	Safety	15.5 kg
DOMINATOR 5" 70/75B M AUT	N3191270	1/N/PE~230 V	1.3 kW	0.9 kW	6.0 A	Safety	15.5 kg
DOMINATOR 5" 70/75B T	N3191280	3/N/PE~230 V	1.3 kW	0.9 kW	3.7 A	Without	15.5 kg
DOMINATOR 5" 70/75B T	N3191290	3/N/PE~400 V	1.3 kW	0.9 kW	2.1 A	Without	15.5 kg
DOMINATOR 5" 140/45B M	N3191210	1/N/PE~230 V	1.2 kW	0.8 kW	5.5 A	Safety	14.2 kg
DOMINATOR 5" 140/45B M AUT	N3191300	1/N/PE~230 V	1.2 kW	0.8 kW	5.5 A	Safety	14.2 kg
DOMINATOR 5" 140/45B T	N3191310	3/N/PE~230 V	1.2 kW	0.8 kW	3.8 A	Without	14.2 kg
DOMINATOR 5" 140/45B T	N3191320	3/N/PE~400 V	1.2 kW	0.8 kW	2.2 A	Without	14.2 kg
DOMINATOR 5" 140/65B M	N3191200	1/N/PE~230 V	1.6 kW	1.1 kW	7.2 A	Safety	15.8 kg
DOMINATOR 5" 140/65B M AUT	N3191330	1/N/PE~230 V	1.6 kW	1.1 kW	7.2 A	Safety	15.8 kg
DOMINATOR 5" 140/65B T	N3191340	3/N/PE~400 V	1.6 kW	1.1 kW	2.5 A	Without	15.8 kg
DOMINATOR 5" 140/65B T	N3191350	3/N/PE~230 V	1.6 kW	1.1 kW	4.4 A	Without	15.8 kg

DOMINATOR 5

PUMPS FOR OPEN AND DRILLED WELLS



DIMENSIONS [mm]

Type	A	C	DNM
DOMINATOR 5" 70/50B M/T	475	132	1 1/4"
DOMINATOR 5" 70/75B M/T	530	132	1 1/4"
DOMINATOR 5" 140/45B M/T	495	132	1 1/4"
DOMINATOR 5" 140/65B M/T	550	132	1 1/4"

DOMINATOR 5

PUMPS FOR OPEN AND DRILLED WELLS

DOMINATOR 5 RW

PUMPS FOR OPEN AND DRILLED WELLS

- 100% stainless steel
- Ready to use
- Water recovery and re-use
- Reduce water consumption



DESCRIPTION

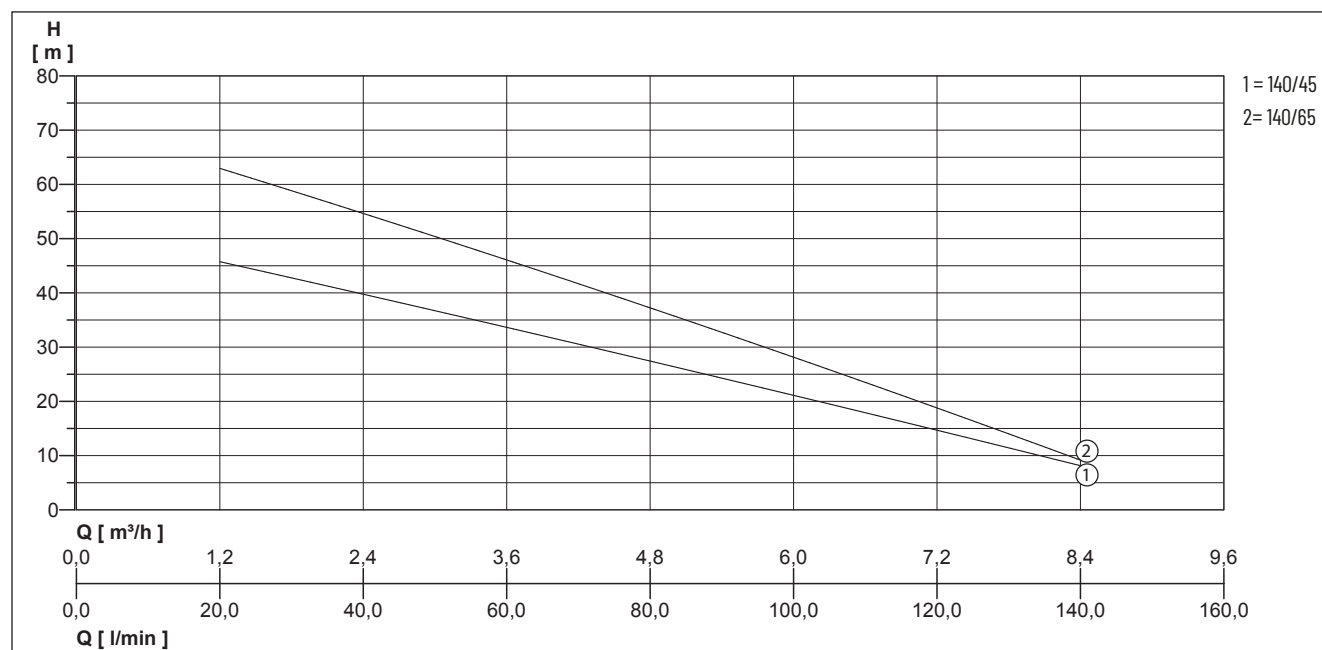
DOMINATOR 5 RW Pack is a system consisting of a multi-stage submersible centrifugal pump complete with an on/off device, intake tube, floating filter and 20 m of nylon rope.

Ready to use for applications using rain water.

APPLICATIONS

- Lifting of water from wells and rainwater collection tanks
- Small automatic systems for garden irrigation
- Rainwater recovery systems
- Surface irrigation

PERFORMANCE



We reserve the right to change specifications without notice. Pump performance is subject to ISO 9906 ISO 9906:2012 - Grade 3B tolerances.

Type	Flow rate Q [m³/h]	1.2	2.4	3.6	4.8	6	7.2	8.4
DOMINATOR 5 140/45B M RW Pack	Delivery head H [m]	47.0	38.0	33.0	28.0	22.0	15.0	7.5
DOMINATOR 5 140/65B M RW Pack		63.0	55.0	45.0	38.0	28.0	19.0	9.0

DOMINATOR 5 RW

PUMPS FOR OPEN AND DRILLED WELLS

MECHANICAL DATA

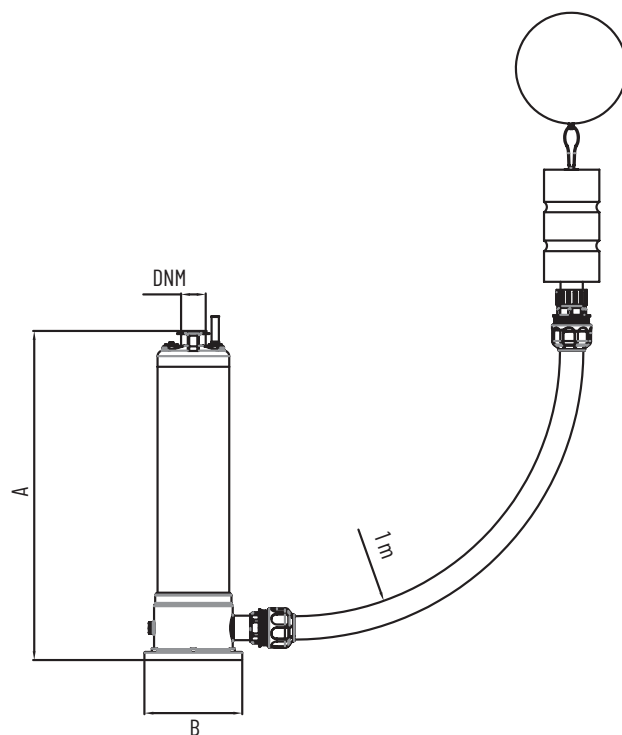
Bearing	Self-lubricating ball bearings.	Pump housing	Stainless steel Europe: EN10088-1 X 5 CrNi 1810 (1.4301)
Oil chamber	Yes		USA: AISI 304
Shaft	Part in contact with the liquid - Stainless steel Europe: EN 10088-1 X5CrNi18-10 (1.4301)/ USA: AISI 304 Motor side - Graphite	Submersible	Yes
Impeller	Stainless steel X5CrNi18-10 (AISI 304)	Diffuser	Stainless steel X5CrNi18-10 (AISI 304)
Motor housing	Stainless steel	Type of liquid	clean water without suspended solids or abrasive material
		Temperature of the liquid max.	40 °C
		Suction height max.	17 m

ELECTRICAL DATA

Voltage	1/N/PE~230 V	Insulation class	F
Power line	20m H07RN-F	Plug	Safety
Type of enclosure	IP 68	Rotation speed	2850 rpm

DOMINATOR 5 RW

Type	Code No.	Motor rating		Current	Weight
		P1	P2		
DOMINATOR 5 140/45B M RW Pack	N3191370	1.3 kW	0.9 kW	6.0 A	20.4 kg
DOMINATOR 5 140/65B M RW Pack	N3191360	1.7 kW	1.2 kW	7.7 A	22.0 kg



DIMENSIONS [mm]

Type	A	B	DNM
DOMINATOR 5 140/45B M RW Pack	540	176,5	1 1/4"
DOMINATOR 5 140/65B M RW Pack	594	176,5	1 1/4"

SCM 4 PLUS

PUMPS FOR OPEN AND DRILLED WELLS

- Maximum rigidity and resistance to water hammer
- Strong resistance to the abrasive action of sand
- Excellent hydraulic efficiency



DESCRIPTION

SCM 4 PLUS submersible pumps consist of a multi-stage pumping unit directly coupled to a submersed motor. Particularly suitable for lifting from deep wells with $\varnothing$ 4" (100 mm).

APPLICATIONS

- Lifting of water from boreholes.
- Pressurization systems and irrigation
- Irrigation for agricultural use.
- Aqueducts for drinking water.
- Lifting and supply of tanks and pressurization autoclaves, for civil and industrial systems.

MECHANICAL DATA

Shaft	Hexagonal in stainless steel X10 CrNiS1809 (AISI 303) with ceramic insert at point of wear	Diffuser	Polycarbonate with ceramic insert at point of wear
Impeller	Acetal resin	Type of liquid	Clean, non-aggressive, non-explosive, free of solid particles.
Pump housing	Stainless steel X5 CrNi 1810 (AISI 304)	Temperature of the liquid max.	35 °C
Submersible	Yes		

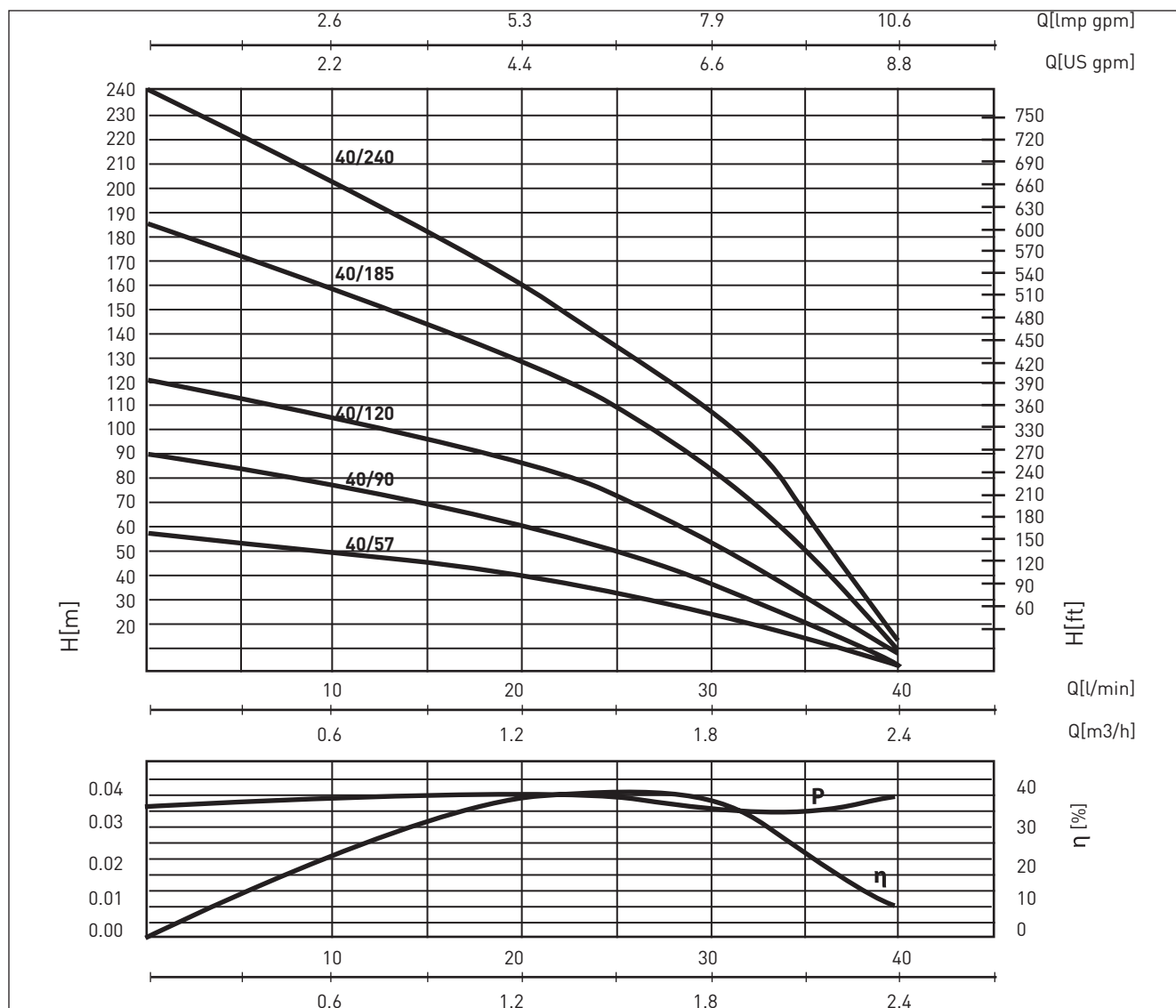
ELECTRICAL DATA

Type of enclosure	IP 68	Rotation speed	2850 rpm
Insulation class	B		

SCM 4 PLUS 40

PUMPS FOR OPEN AND DRILLED WELLS

PERFORMANCE



The power curve refers to the shaft power per stage. % indicates the hydraulic yield of the pump $MEI \geq 0.4$ - Reference $MEI \geq 0.70$ - The information on the reference efficiency is available at the address: www.europump.org/efficiencycharts

Type	Flow rate Q [m³/h]	0.6	1.2	1.8	2.4
SCM4 Plus 40/57-M+40/57-T	Delivery head H [m]	49	41	26	3
SCM4 Plus 40/90-M+40/90-T		76	64	40	4
SCM4 Plus 40/120-M+40/120-T		104	86	55	7
SCM4 Plus 40/185-M+40/185-T		158	130	85	10
SCM4 Plus 40/240-M+40/240-T		205	160	110	12

SCM 4 PLUS 40

PUMPS FOR OPEN AND DRILLED WELLS

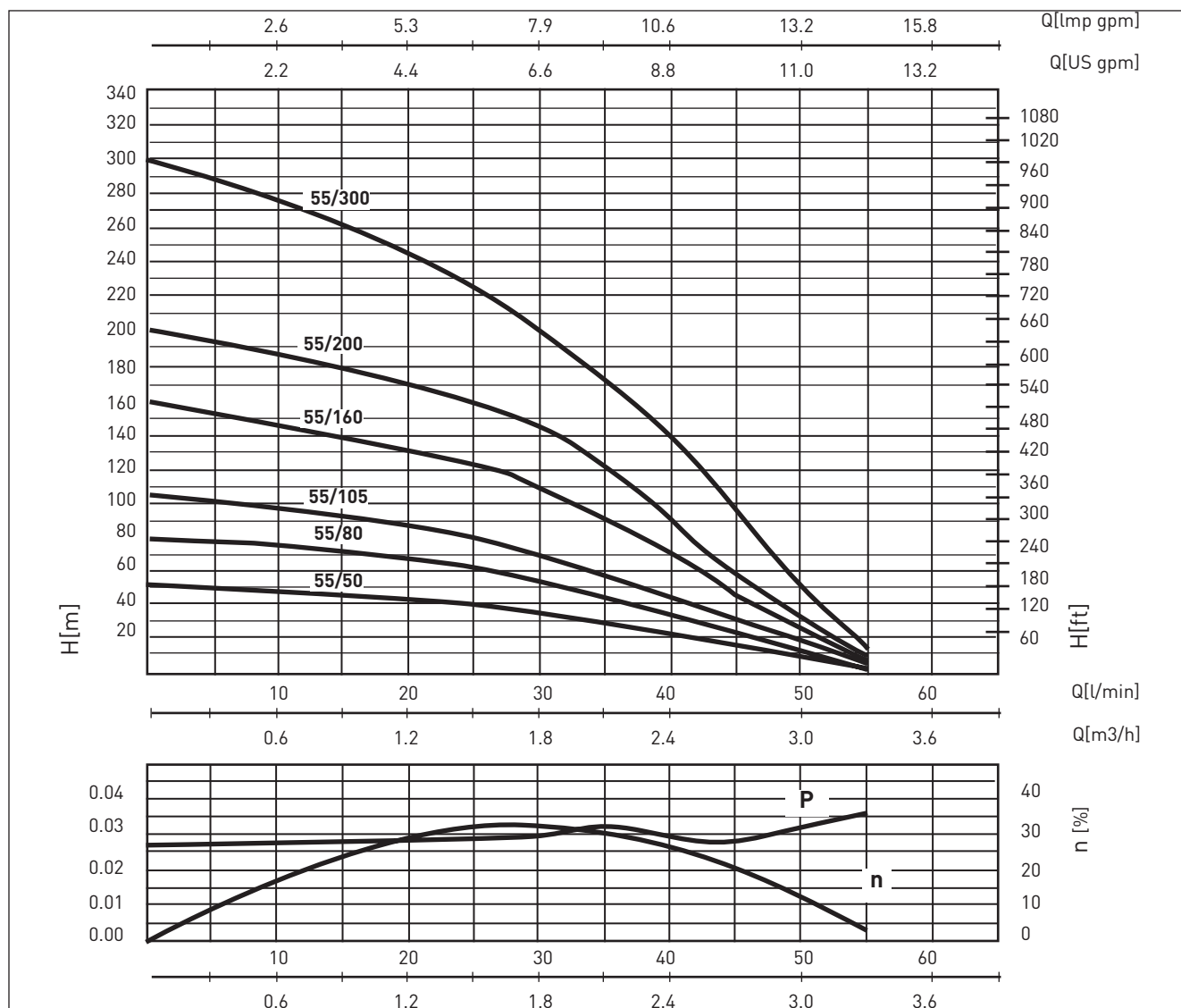
SCM 4 PLUS 40

Type	Code No.	Voltage	Motor rating P2	Current	N. stages	Weight
SCM4 Plus 40/57-M	N3181000	1/N/PE~230 V	0.37 kW	3.4 A	9	11.8 kg
SCM4 Plus 40/57-T	N3181010	3/N/PE~400 V	0.37 kW	1.2 A	9	10.8 kg
SCM4 Plus 40/90-M	N3181020	1/N/PE~230 V	0.55 kW	4.4 A	14	14.0 kg
SCM4 Plus 40/90-T	N3181030	3/N/PE~400 V	0.55 kW	1.7 A	14	12.7 kg
SCM4 Plus 40/120-M	N3181040	1/N/PE~230 V	0.75 kW	5.9 A	19	16.1 kg
SCM4 Plus 40/120-T	N3181050	3/N/PE~400 V	0.75 kW	2.2 A	19	14.9 kg
SCM4 Plus 40/185-M	N3181060	1/N/PE~230 V	1.10 kW	7.8 A	29	19.2 kg
SCM4 Plus 40/185-T	N3181070	3/N/PE~400 V	1.10 kW	3.0 A	29	17.9 kg
SCM4 Plus 40/240-M	N3181080	1/N/PE~230 V	1.50 kW	10.2 A	30	22.2 kg
SCM4 Plus 40/240-T	N3181090	3/N/PE~400 V	1.50 kW	4.0 A	30	20.8 kg

SCM 4 PLUS 55

PUMPS FOR OPEN AND DRILLED WELLS

PERFORMANCE



The power curve refers to the shaft power per stage. % indicates the hydraulic yield of the pump MEI ≥ 0.4 - Reference MEI ≥ 0.70 - The information on the reference efficiency is available at the address: www.europump.org/efficiencycharts

Type	Flow rate Q [m³/h]	0.6	1.2	1.8	2.4	3
SCM4 Plus 55/50-M+55/50-T	Delivery head H [m]	47	42	36	23	8
SCM4 Plus 55/80-M+55/80-T		75	66	55	35	12
SCM4 Plus 55/105-M+55/105-T		98	87	72	46	12
SCM4 Plus 55/160-M+55/160-T		145	132	110	70	24
SCM4 Plus 55/200-M+55/200-T		187	169	145	90	30
SCM4 Plus 55/300-T		278	244	200	140	50

SCM 4 PLUS 55

PUMPS FOR OPEN AND DRILLED WELLS

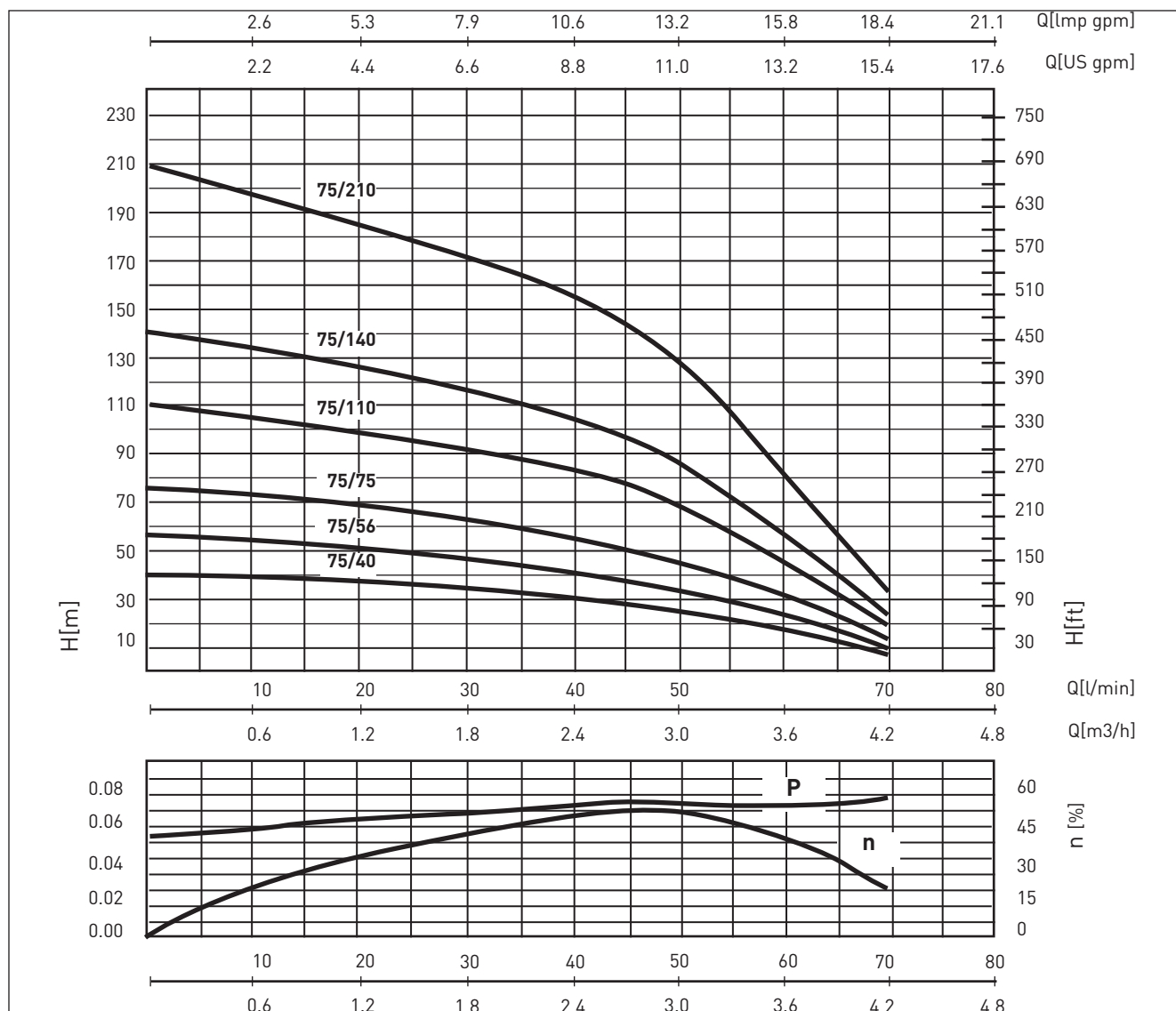
SCM 4 PLUS 55

Type	Code No.	Voltage	Motor rating P2	Current	N. stages	Weight
SCM4 Plus 55/50-M	N3182000	1/N/PE~230 V	0.37 kW	3.4 A	6	11.3 kg
SCM4 Plus 55/50-T	N3182010	3/N/PE~400 V	0.37 kW	1.2 A	6	10.3 kg
SCM4 Plus 55/80-M	N3182020	1/N/PE~230 V	0.55 kW	4.4 A	10	13.1 kg
SCM4 Plus 55/80-T	N3182030	3/N/PE~400 V	0.55 kW	1.7 A	10	11.8 kg
SCM4 Plus 55/105-M	N3182040	1/N/PE~230 V	0.75 kW	5.9 A	12	14.9 kg
SCM4 Plus 55/105-T	N3182050	3/N/PE~400 V	0.75 kW	2.2 A	12	13.7 kg
SCM4 Plus 55/160-M	N3182060	1/N/PE~230 V	1.10 kW	7.8 A	18	17.3 kg
SCM4 Plus 55/160-T	N3182070	3/N/PE~400 V	1.10 kW	3.0 A	18	16.0 kg
SCM4 Plus 55/200-M	N3182080	1/N/PE~230 V	1.50 kW	10.2 A	24	19.8 kg
SCM4 Plus 55/200-T	N3182090	3/N/PE~400 V	1.50 kW	4.0 A	24	18.4 kg
SCM4 Plus 55/300-T	N3182100	3/N/PE~400 V	2.20 kW	5.6 A	37	22.3 kg

SCM 4 PLUS 75

PUMPS FOR OPEN AND DRILLED WELLS

PERFORMANCE



The power curve refers to the shaft power per stage. % indicates the hydraulic yield of the pump $MEI \geq 0.4$ - Reference $MEI \geq 0.70$ - The information on the reference efficiency is available at the address: www.europump.org/efficiencycharts

Type	Flow rate Q [m³/h]	1.2	1.8	2.4	3	3.6
SCM4 Plus 75/40-M+75/40-T	Delivery head H [m]	36	33	28	23	15
SCM4 Plus 75/56-M+75/56-T		50	45	40	32	21
SCM4 Plus 75/75-M+75/75-T		67	62	55	45	30
SCM4 Plus 75/110-M+75/110-T		100	92	82	68	44
SCM4 Plus 75/140-M+75/140-T		127	116	105	86	57
SCM4 Plus 75/210-T		186	170	155	130	80

SCM 4 PLUS 75

PUMPS FOR OPEN AND DRILLED WELLS

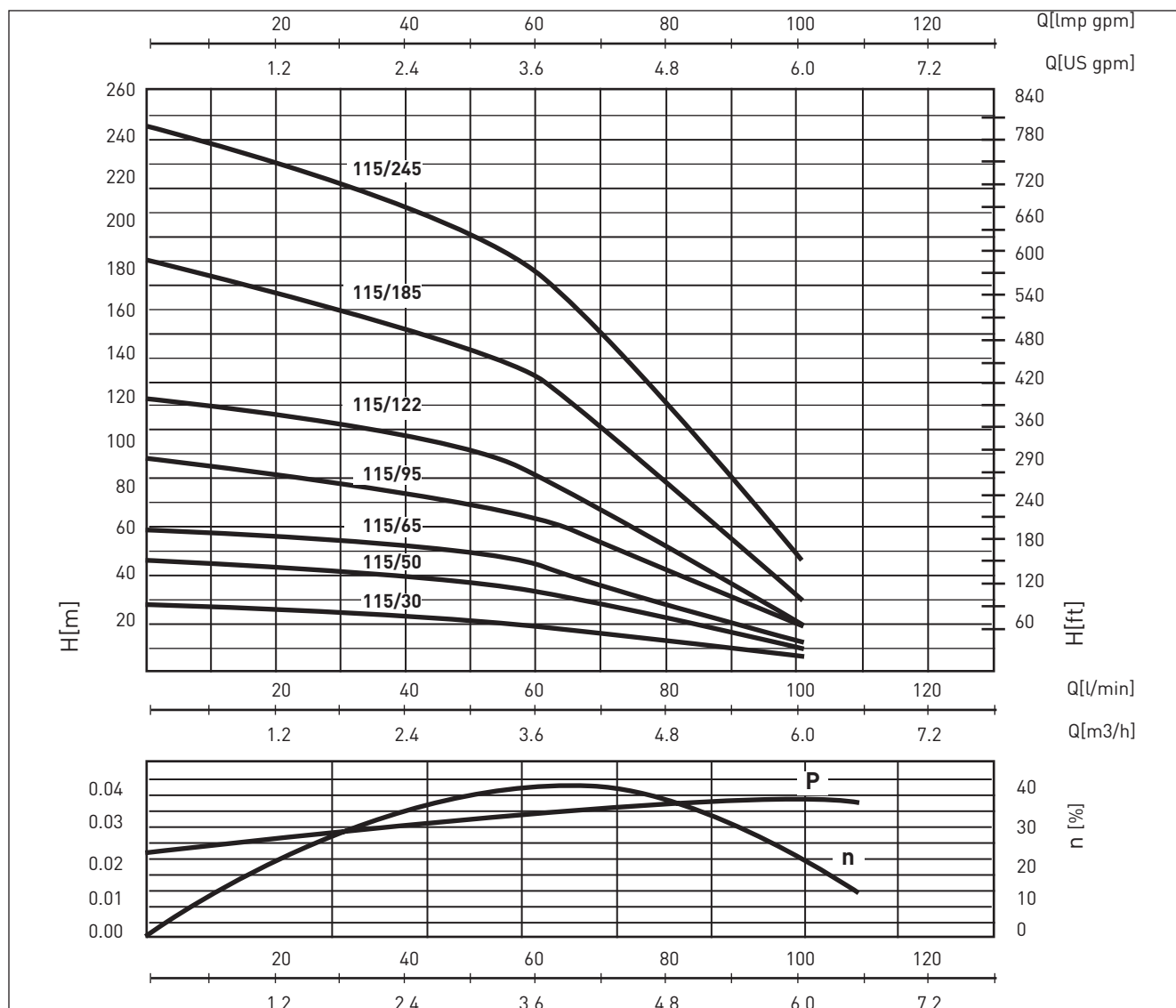
SCM 4 PLUS 75

Type	Code No.	Voltage	Motor rating P2	Current	N. stages	Weight
SCM4 Plus 75/40-M	N3183000	1/N/PE~230 V	0.37 kW	3.4 A	6	11.2 kg
SCM4 Plus 75/40-T	N3183010	3/N/PE~400 V	0.37 kW	1.2 A	6	10.2 kg
SCM4 Plus 75/56-M	N3183020	1/N/PE~230 V	0.55 kW	4.4 A	8	12.9 kg
SCM4 Plus 75/56-T	N3183030	3/N/PE~400 V	0.55 kW	1.7 A	8	11.6 kg
SCM4 Plus 75/75-M	N3183040	1/N/PE~230 V	0.75 kW	5.9 A	11	14.8 kg
SCM4 Plus 75/75-T	N3183050	3/N/PE~400 V	0.75 kW	2.2 A	11	13.6 kg
SCM4 Plus 75/75-T	N3186140	3/N/PE~230 V	0.75 kW	3.8 A	11	13.6 kg
SCM4 Plus 75/110-M	N3183060	1/N/PE~230 V	1.10 kW	7.8 A	16	17.1 kg
SCM4 Plus 75/110-T	N3183070	3/N/PE~400 V	1.10 kW	3.0 A	16	15.8 kg
SCM4 Plus 75/140-M	N3183080	1/N/PE~230 V	1.50 kW	10.2 A	20	19.4 kg
SCM4 Plus 75/140-T	N3183090	3/N/PE~400 V	1.50 kW	4.0 A	20	18.0 kg
SCM4 Plus 75/210-T	N3183100	3/N/PE~400 V	2.20 kW	5.6 A	30	21.5 kg

SCM 4 PLUS 115

PUMPS FOR OPEN AND DRILLED WELLS

PERFORMANCE



The power curve refers to the shaft power per stage. % indicates the hydraulic yield of the pump MEI ≥ 0.4 - Reference MEI ≥ 0.70 - The information on the reference efficiency is available at the address: www.europump.org/efficiencycharts

Type	Flow rate Q [m³/h]	1.8	2.4	3	3.6	4.8	5.4	6
SCM4 Plus 115/30-M+115/30-T	Delivery head H [m]	26.0	24.0	22.0	20.0	13.0	9.0	6.4
SCM4 Plus 115/50-M+115/50-T		46.0	43.0	40.0	36.0	23.0	16.0	10.0
SCM4 Plus 115/65-M+115/65-T		58.0	55.0	51.0	46.0	29.0	20.0	11.0
SCM4 Plus 115/95-M+115/95-T		83.0	80.0	74.0	67.0	43.0	30.0	18.0
SCM4 Plus 115/122-M+115/122-T		109.0	106.0	98.0	88.0	55.0	38.0	21.0
SCM4 Plus 115/185-T		160.0	153.0	143.0	130.0	85.0	58.0	31.0
SCM4 Plus 115/245-T		218.0	210.0	198.0	179.0	118.0	84.0	47.0

SCM 4 PLUS 115

PUMPS FOR OPEN AND DRILLED WELLS

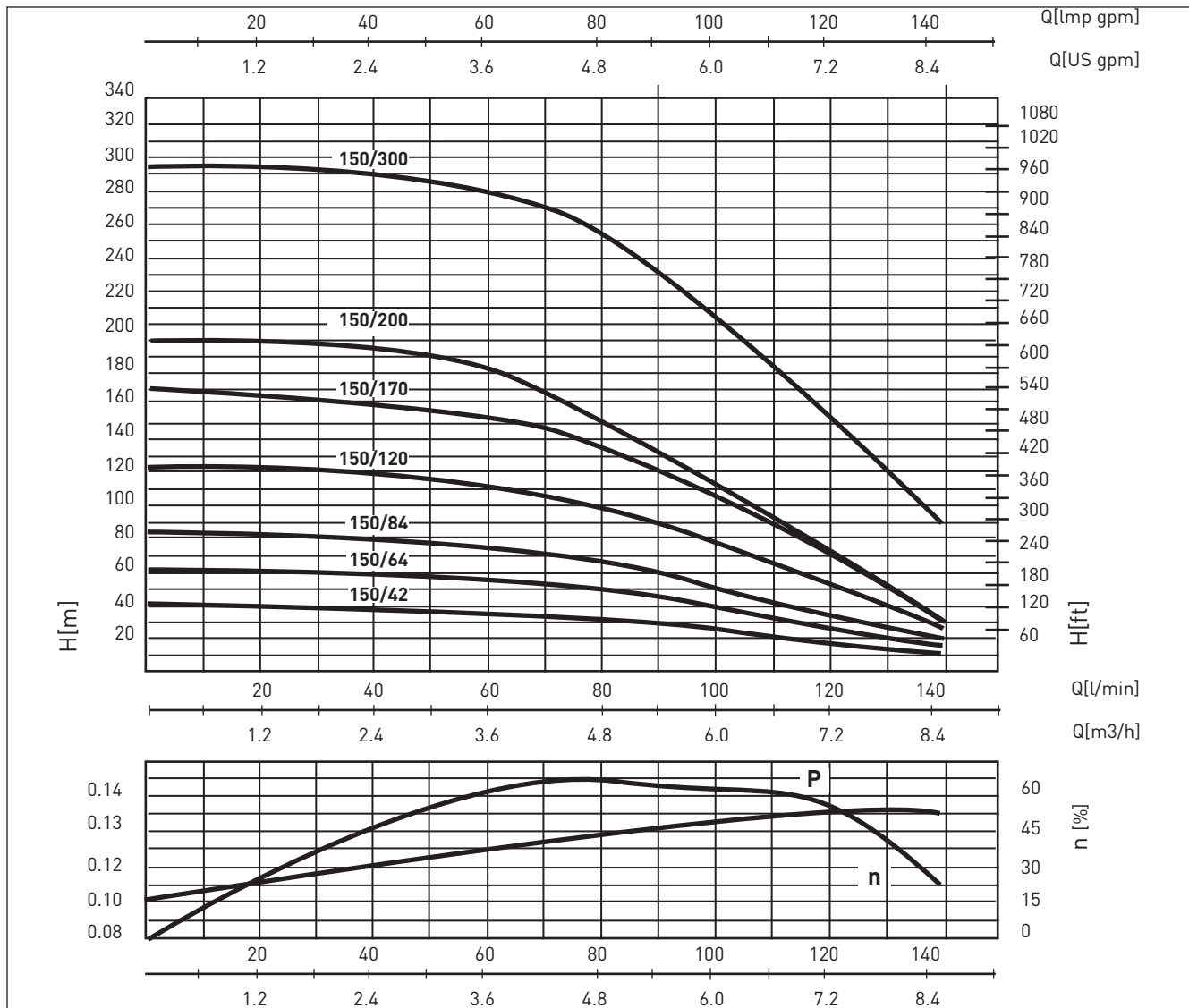
SCM 4 PLUS 115

Type	Code No.	Voltage	Motor rating P2	Current	N. stages	Weight
SCM4 Plus 115/30-M	N3184000	1/N/PE~230 V	0.37 kW	3.4 A	4	11.0 kg
SCM4 Plus 115/30-T	N3184010	3/N/PE~400 V	0.37 kW	1.2 A	4	10.0 kg
SCM4 Plus 115/50-M	N3184020	1/N/PE~230 V	0.55 kW	4.4 A	7	12.8 kg
SCM4 Plus 115/50-T	N3184030	3/N/PE~400 V	0.55 kW	1.7 A	7	11.5 kg
SCM4 Plus 115/65-M	N3184040	1/N/PE~230 V	0.75 kW	5.9 A	9	14.4 kg
SCM4 Plus 115/65-T	N3184050	3/N/PE~400 V	0.75 kW	2.2 A	9	13.2 kg
SCM4 Plus 115/65-T	N3186150	3/N/PE~230 V	0.75 kW	3.8 A	9	13.2 kg
SCM4 Plus 115/95-M	N3184060	1/N/PE~230 V	1.10 kW	7.8 A	13	16.6 kg
SCM4 Plus 115/95-T	N3184070	3/N/PE~400 V	1.10 kW	3.0 A	13	15.3 kg
SCM4 Plus 115/95-T	N3186160	3/N/PE~230 V	1.10 kW	5.2 A	13	15.3 kg
SCM4 Plus 115/122-M	N3184080	1/N/PE~230 V	1.50 kW	10.2 A	17	18.8 kg
SCM4 Plus 115/122-T	N3184090	3/N/PE~400 V	1.50 kW	4.0 A	17	17.4 kg
SCM4 Plus 115/185-T	N3184100	3/N/PE~400 V	2.20 kW	5.6 A	24	20.8 kg
SCM4 Plus 115/245-T	N3184110	3/N/PE~400 V	3.00 kW	7.5 A	33	25.0 kg

SCM 4 PLUS 150

PUMPS FOR OPEN AND DRILLED WELLS

PERFORMANCE



The power curve refers to the shaft power per stage. % indicates the hydraulic yield of the pump MEI ≥ 0.4 - Reference MEI ≥ 0.70 - The information on the reference efficiency is available at the address: www.europump.org/efficiencycharts

Type	Flow rate Q [m³/h]	2.4	3	3.6	4.8	6	7.2	8.4
SCM4 Plus 150/42-M+150/42-T	Delivery head H [m]	38	37	36	33	26	17	10
SCM4 Plus 150/64-M+150/64-T		59	58	57	50	39	27	15
SCM4 Plus 150/84-M+150/84-T		80	78	75	64	50	34	20
SCM4 Plus 150/120-T		116	113	108	96	77	53	26
SCM4 Plus 150/170-T		160	157	152	134	106	69	30
SCM4 Plus 150/200-T		191	188	179	152	112	71	32
SCM4 Plus 150/300-T		292	290	285	252	210	155	82

SCM 4 PLUS 150

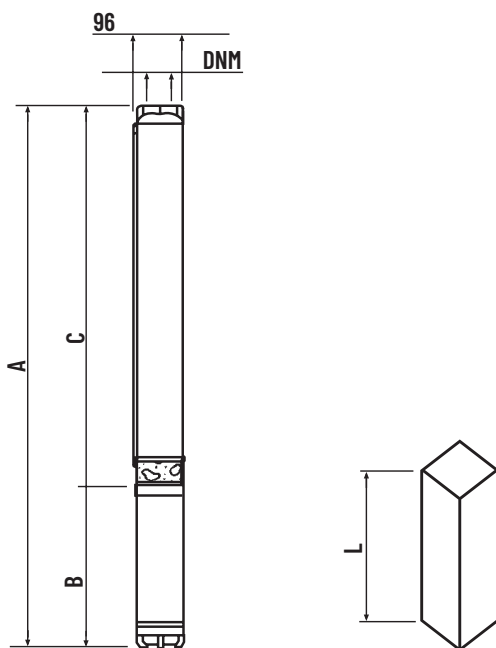
PUMPS FOR OPEN AND DRILLED WELLS

SCM 4 PLUS 150

Type	Code No.	Voltage	Motor rating P2	Current	N. stages	Weight
SCM4 Plus 150/42-M	N3185000	1/N/PE~230 V	0.75 kW	5.9 A	6	14.0 kg
SCM4 Plus 150/42-T	N3185010	3/N/PE~400 V	0.75 kW	2.2 A	6	12.8 kg
SCM4 Plus 150/42-T	N3186170	3/N/PE~230 V	0.75 kW	3.8 A	6	12.8 kg
SCM4 Plus 150/64-M	N3185020	1/N/PE~230 V	1.10 kW	7.8 A	9	16.1 kg
SCM4 Plus 150/64-T	N3185030	3/N/PE~400 V	1.10 kW	3.0 A	9	14.8 kg
SCM4 Plus 150/64-T	N3186180	3/N/PE~230 V	1.10 kW	5.2 A	9	14.8 kg
SCM4 Plus 150/84-M	N3185040	1/N/PE~230 V	1.50 kW	10.2 A	12	18.3 kg
SCM4 Plus 150/84-T	N3185050	3/N/PE~400 V	1.50 kW	4.0 A	12	16.9 kg
SCM4 Plus 150/120-T	N3185060	3/N/PE~400 V	2.20 kW	5.6 A	17	20.1 kg
SCM4 Plus 150/170-T	N3185070	3/N/PE~400 V	3.00 kW	7.5 A	24	24.2 kg
SCM4 Plus 150/200-T	N3185080	3/N/PE~400 V	4.00 kW	10.1 A	29	33.1 kg
SCM4 Plus 150/300-T	N3185090	3/N/PE~400 V	5.50 kW	13.6 A	42	42.3 kg

SCM 4 PLUS

PUMPS FOR OPEN AND DRILLED WELLS



SCM 4 PLUS

PUMPS FOR OPEN AND DRILLED WELLS

DIMENSIONS [mm]

Type	A	B	C	L	DNM
SCM4 Plus 40/57-M	584	250	334	610	1 1/4"
SCM4 Plus 40/57-T	569	235	334	610	1 1/4"
SCM4 Plus 40/90-M	711	265	446	800	1 1/4"
SCM4 Plus 40/90-T	696	250	446	800	1 1/4"
SCM4 Plus 40/120-M	853	295	558	960	1 1/4"
SCM4 Plus 40/120-T	823	265	558	960	1 1/4"
SCM4 Plus 40/185-M	1122	340	782	1330	1 1/4"
SCM4 Plus 40/185-T	1077	295	782	1120	1 1/4"
SCM4 Plus 40/240-M	1358	375	983	1580	1 1/4"
SCM4 Plus 40/240-T	1323	340	983	1330	1 1/4"
SCM4 Plus 55/50-M	517	250	267	610	1 1/4"
SCM4 Plus 55/50-T	502	235	267	610	1 1/4"
SCM4 Plus 55/80-M	622	265	357	800	1 1/4"
SCM4 Plus 55/80-T	607	250	357	800	1 1/4"
SCM4 Plus 55/105-M	696	295	401	800	1 1/4"
SCM4 Plus 55/105-T	666	265	401	800	1 1/4"
SCM4 Plus 55/160-M	875	340	535	960	1 1/4"
SCM4 Plus 55/160-T	830	295	535	960	1 1/4"
SCM4 Plus 55/200-M	1045	375	670	1120	1 1/4"
SCM4 Plus 55/200-T	1010	340	670	1120	1 1/4"
SCM4 Plus 55/300-T	1336	375	961	1580	1 1/4"
SCM4 Plus 75/40-M	553	250	303	610	1 1/4"
SCM4 Plus 75/40-T	538	235	303	610	1 1/4"
SCM4 Plus 75/56-M	625	265	360	800	1 1/4"
SCM4 Plus 75/56-T	610	250	360	800	1 1/4"
SCM4 Plus 75/75-M	740	295	445	800	1 1/4"
SCM4 Plus 75/75-T	710	265	445	800	1 1/4"
SCM4 Plus 75/110-M	928	340	588	960	1 1/4"
SCM4 Plus 75/110-T	883	295	588	960	1 1/4"
SCM4 Plus 75/140-M	1077	375	702	1120	1 1/4"
SCM4 Plus 75/140-T	1042	340	702	1120	1 1/4"
SCM4 Plus 75/210-T	1391	375	1016	1580	1 1/4"
SCM4 Plus 115/30-M	496	250	246	610	1 1/4"
SCM4 Plus 115/30-T	481	235	246	610	1 1/4"
SCM4 Plus 115/50-M	596	265	331	610	1 1/4"
SCM4 Plus 115/50-T	581	250	331	610	1 1/4"
SCM4 Plus 115/65-M	683	295	388	800	1 1/4"
SCM4 Plus 115/65-T	653	265	388	800	1 1/4"
SCM4 Plus 115/95-M	842	340	502	960	1 1/4"
SCM4 Plus 115/95-T	797	295	502	960	1 1/4"
SCM4 Plus 115/122-M	992	375	617	1120	1 1/4"
SCM4 Plus 115/122-T	957	340	617	960	1 1/4"
SCM4 Plus 115/185-T	1221	375	846	1330	1 1/4"
SCM4 Plus 115/245-T	1582	480	1102	1870	1 1/4"
SCM4 Plus 150/42-M	648	295	353	800	2"
SCM4 Plus 150/42-T	618	265	353	800	2"
SCM4 Plus 150/64-M	803	340	463	960	2"
SCM4 Plus 150/64-T	758	295	463	800	2"
SCM4 Plus 150/84-M	948	375	573	960	2"
SCM4 Plus 150/84-T	913	340	573	960	2"
SCM4 Plus 150/120-T	1161	375	786	1330	2"
SCM4 Plus 150/170-T	1523	480	1043	1580	2"
SCM4 Plus 150/200-T	1781	555	1226	1870	2"
SCM4 Plus 150/300-T	2378	675	1703	2590	2"

SCM 4 PLUS

PUMPS FOR OPEN AND DRILLED WELLS

VERSAILLES

PUMPS FOR OPEN AND DRILLED WELLS

- 100% stainless steel
- Ready to use
- Optional accessories: Vulcano, Geyser and Bell



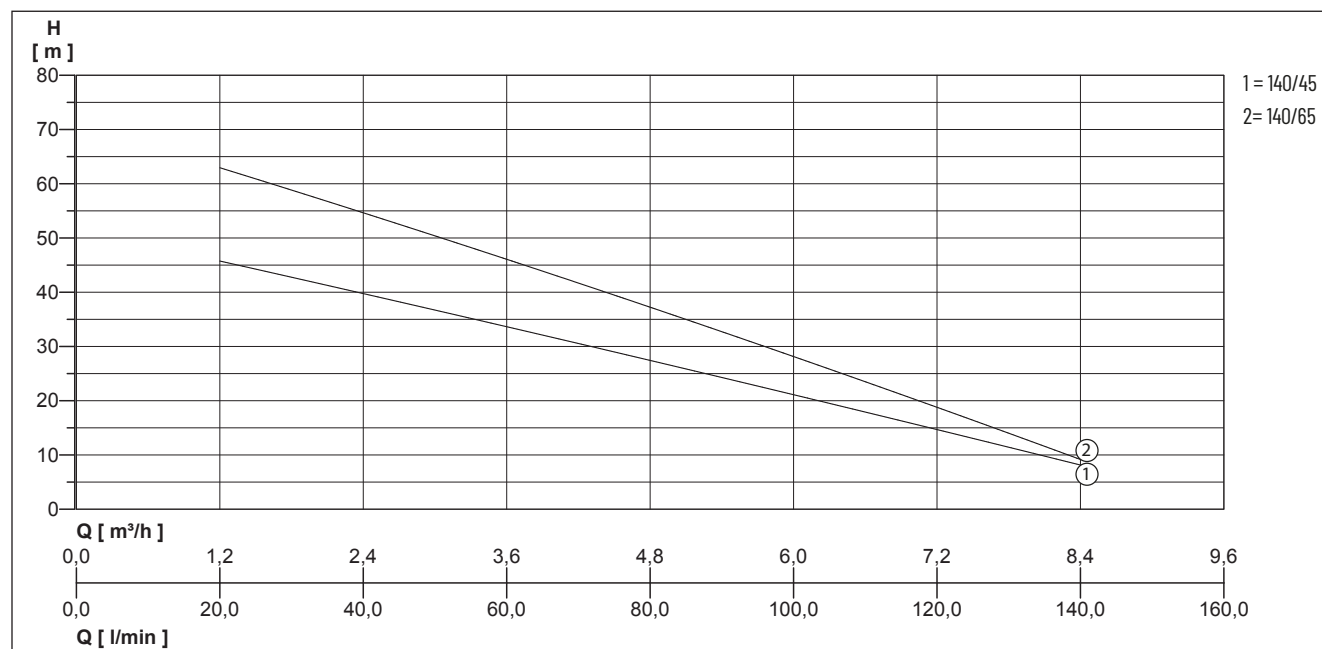
DESCRIPTION

The pumps of the VERSAILLES series have been designed for fountains, water features and waterfalls in water gardens.

APPLICATIONS

- Installation of fountains, water features, waterfalls in water parks.

PERFORMANCE



We reserve the right to change specifications without notice. Pump performance is subject to ISO 9906 ISO 9906:2012 - Grade 3B tolerances.

MECHANICAL DATA

Free passage	1.5 mm	Motor housing	Stainless steel
Bearing	Self-lubricating ball bearings.	Pump housing	Stainless steel X 5 CrNiS 1810 (AISI 304)
Shaft	Stainless steel X 12 CrS 13 (AISI 416) with ceramic insert at the points of wear of the seal	Submersible	Yes
Impeller	Stainless steel X5CrNi18-10 (AISI 304)	Type of liquid	Clear water without solids.
		Temperature of the liquid max.	40 °C
		Diving depth	7 m

ELECTRICAL DATA

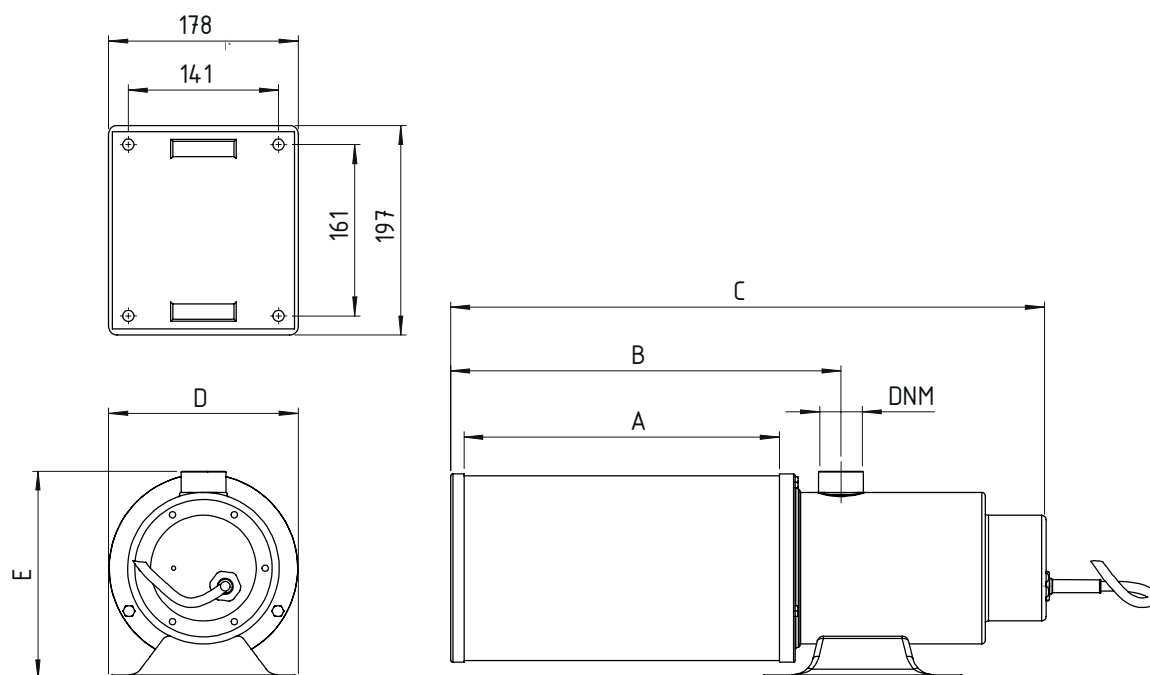
Voltage	1/N/PE~230 V	Insulation class	F
Power line	10m H07RN-F	Plug	Safety
Type of enclosure	IP 68	Rotation speed	2850 rpm

VERSAILLES

PUMPS FOR OPEN AND DRILLED WELLS

VERSAILLES

Type	Code No.	Motor rating		Current	Weight
		P1	P2		
VERSAILLES 160/8	N2121010	0.45	0.37 kW	2.2 A	7.0 kg
VERSAILLES 250/10	N2121020	0.70	0.50 kW	4.5 A	7.8 kg
VERSAILLES 350/12	N2121030	1.20	0.80 kW	5.1 A	9.3 kg



DIMENSIONS [mm]

Type	A	B	C	DNM
VERSAILLES 160/8	144	231	425	1 1/4"
VERSAILLES 250/10	285	372	620	1 1/4"
VERSAILLES 350/12	285	372	620	1 1/4"

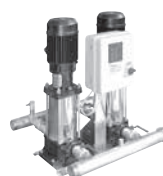
SECTION 4

BOOSTER SETS



FP/MULTI EVO-A
BOOSTER SETS - FIX SPEED

PAG. 169



PRESSOMAT
BOOSTER SETS - FIX SPEED

PAG. 205



AUTOJET
BOOSTER SETS - FIX SPEED

PAG. 171



CPS20
BOOSTER SETS - FIX SPEED

PAG. 215



WP/MULTI EVO-A
BOOSTER SETS - FIX SPEED

PAG. 173



VARIO 1-20/Multi EVO-E
BOOSTER SETS - VARIABLE SPEED

PAG. 221



WATERPRESS
BOOSTER SETS - FIX SPEED

PAG. 177



VARIO 1-20/Multi EVO-E P
BOOSTER SETS - VARIABLE SPEED

PAG. 225



WATERPRESS INOX
BOOSTER SETS - FIX SPEED

PAG. 179



VARIO 1-20
BOOSTER SETS - VARIABLE SPEED

PAG. 227



WATERPRESS SUPERINOX
BOOSTER SETS - FIX SPEED

PAG. 181



VARIO 3-20
BOOSTER SETS - VARIABLE SPEED

PAG. 235



EASY20/MULTI EVO
BOOSTER SETS - FIX SPEED

PAG. 183



VARIO 3-30
BOOSTER SETS - VARIABLE SPEED

PAG. 249



EASYBOOST
BOOSTER SETS - FIX SPEED

PAG. 189

ACCESSORIES

PAG. 276

FP/MULTI EVO-A

BOOSTER SETS - FIX SPEED

- Reduces water hammer effect
- Replaces traditional expansion tank system
- Requires no maintenance
- Protection against dry running
- Very easy to install
- High hydraulic performance
- Minimum consumption of electricity
- Extremely silent operation



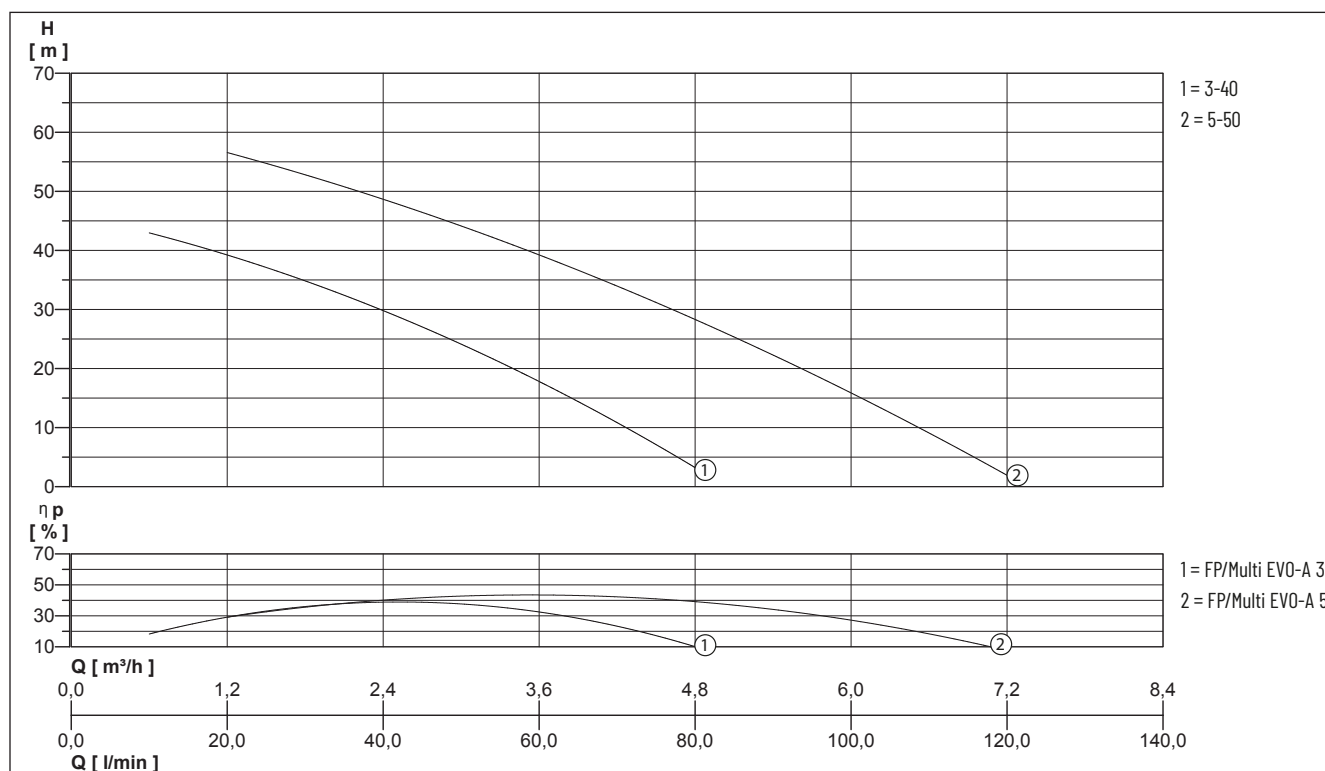
DESCRIPTION

Automatic unit to increase the pressure in the domestic water system. Consisting of a single phase pump like Multi EVO-A and of the electronic device FLUSSCONTROL BASIC, which controls the automatic operation of the pump and protects it in case of a lack of water. It comes assembled, wired, ready for installation and use.

APPLICATIONS

- Lifting and distribution of water in domestic systems in continuous or intermittent operation
- Pressurization systems
- Washing systems
- Irrigation
- Recovery of rainwater

PERFORMANCE



We reserve the right to change specifications without notice. Pump performance is subject to ISO 9906 ISO 9906:2012 - Grade 3B tolerances.

Type	Flow rate Q [m^3/h]	0.6	1.2	1.8	2.4	3	3.6	4.8	6	7.2
FP/Multi EVO-A 3-40 M 230V-50Hz	Delivery head H [m]	42.5	39.5	35.5	30.0	23.5	17.5	3.5		
FP/Multi EVO-A 5-50 M 230V-50Hz			56.0	53.0	49.0	44.5	39.5	28.0	15.0	2.5

FP/MULTI EVO-A

BOOSTER SETS - FIX SPEED

MECHANICAL DATA

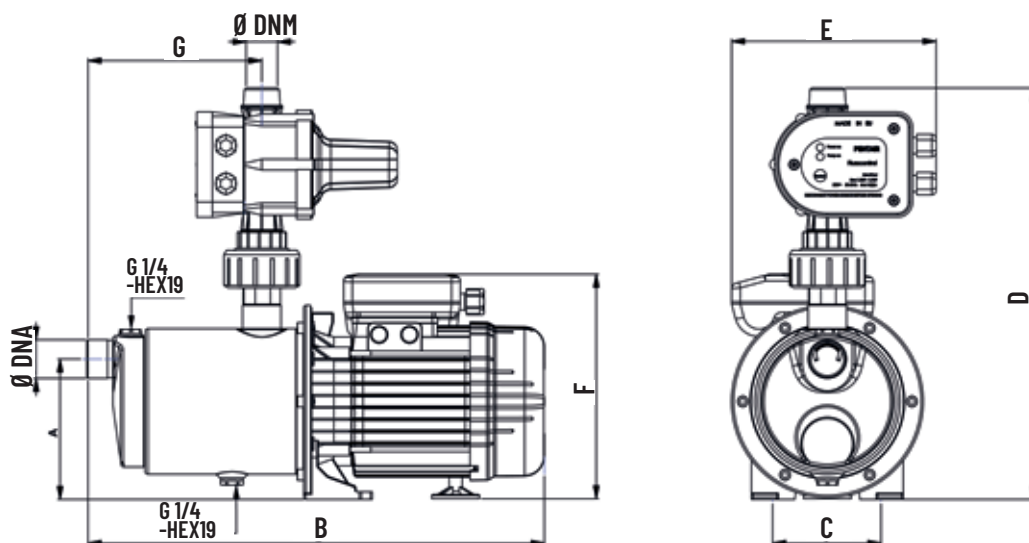
Shaft	Stainless steel X5 CrNi 1810 (AISI 304)	Contourface	Ceramic / NBR
Impeller	PPO reinforced with fibreglass	Operating pressure max.	8 bar
Motor housing	Die-cast aluminium	Type of liquid	clean water without suspended solids or abrasive material
Pump housing	Stainless steel X5 CrNi 1810 (AISI 304)	Temperature of the liquid max.	50 °C
Diffuser	PPO reinforced with fibreglass	Suction height max.	6 m
Mechanical seal	Carbon graphite / NBR / SS	Gasket	NBR 70 Shore A

ELECTRICAL DATA

Voltage	1/N/PE~230 V	Insulation class	F
Type of enclosure	IP 55	Rotation speed	2850 rpm

FP/MULTI EVO-A

Type	Code No.	Motor rating P1	P2	Current	Weight
FP/Multi EVO-A 3-40 M 230V-50Hz	N4502142	0.80 kW	0.55 kW	3.7 A	8.5 kg
FP/Multi EVO-A 5-50 M 230V-50Hz	N4504152	1.35 kW	0.95 kW	6.2 A	11.8 kg



DIMENSIONS [mm]

Type	A	B	C	D	F	G	DNA	DNM	E
FP/Multi EVO-A 3-40 M 230V-50Hz	129	380	100	380	199	139	1"	1"	190
FP/Multi EVO-A 5-50 M 230V-50Hz	129	422	100	380	207	162	1"	1"	190

AUTOJET

BOOSTER SETS - FIX SPEED

- Reduces water hammer effect
- Replaces traditional expansion tank system
- Maintenance free
- Protection against dry running
- Simple to install
- Pressure remains constant during supply



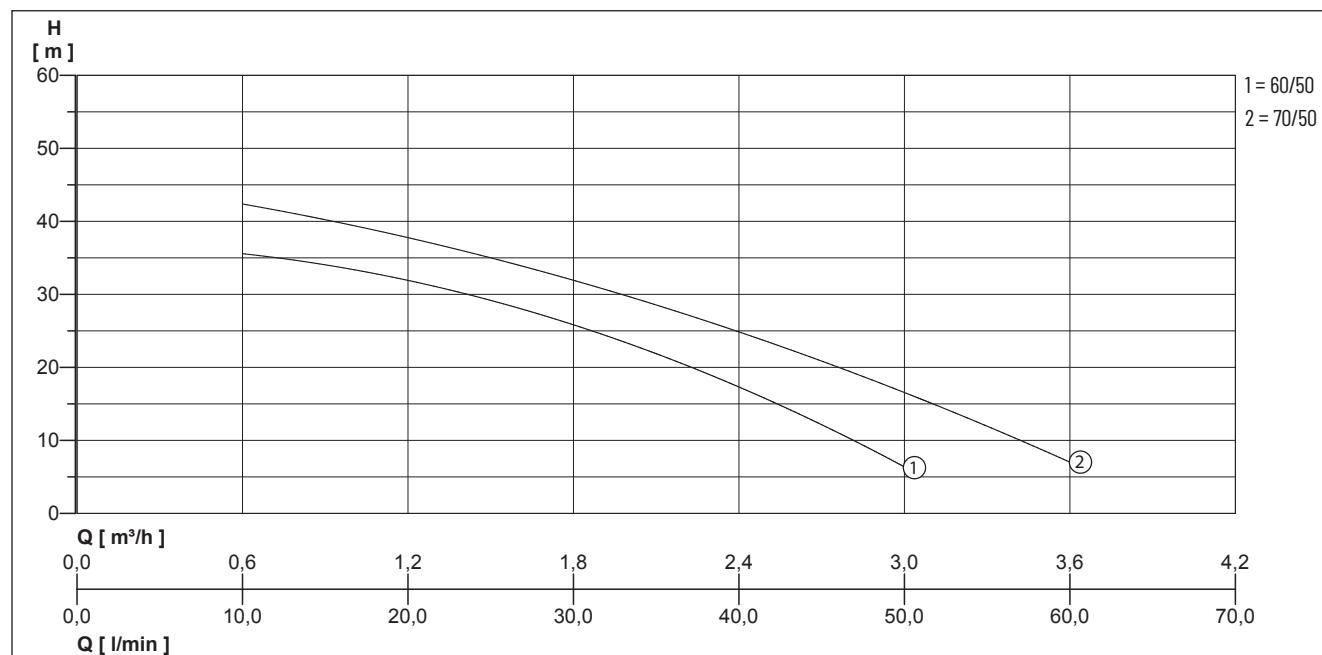
DESCRIPTION

Automatic unit to increase the pressure in the domestic water system. Consisting of a single phase pump like Jetinox and of the electronic device FLUSSCONTROL BASIC, which controls the automatic operation of the pump and protects it in case of a lack of water. It comes assembled, wired, ready for installation and use.

APPLICATIONS

- Lifting and distribution of water in domestic systems in continuous or intermittent operation
- Pressurization systems
- Washing and irrigation

PERFORMANCE



We reserve the right to change specifications without notice. Pump performance is subject to ISO 9906 ISO 9906:2012 - Grade 3B tolerances.

Type	Flow rate Q [m³/h]	0	0.6	1.2	1.8	2.4	3	3.6
AUTOJET 60/50	Delivery head H [m]	46.0	36.0	31.0	26.0	18.0	6.0	
AUTOJET 70/50		48.0	42.5	37.5	32.0	25.0	16.5	7.0

AUTOJET

BOOSTER SETS - FIX SPEED

MECHANICAL DATA

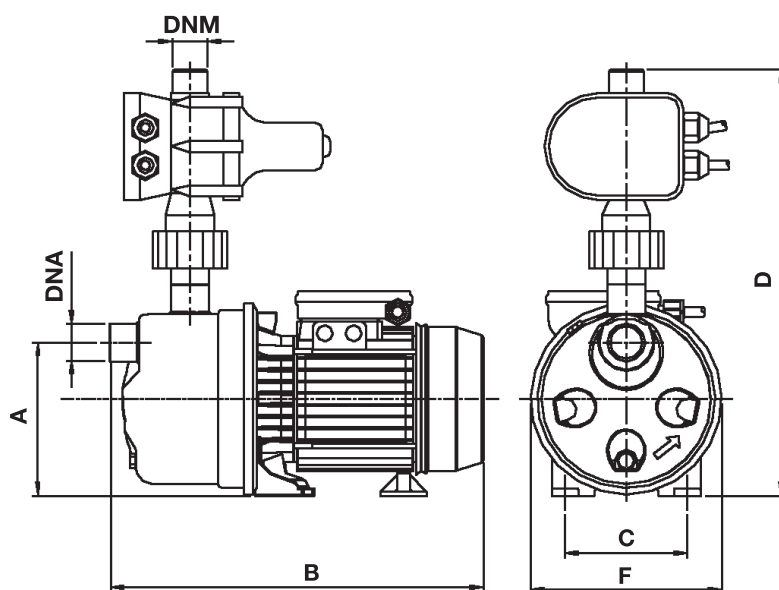
Shaft	Stainless steel X 12 CrNiS 1809 (AISI 416)	Mechanical seal	Graphite
Impeller	Technopolymer with stainless steel shim ring	Contourface	Ceramic
Motor housing	Die-cast aluminium	Operating pressure max.	6 bar
Pump housing	Stainless steel X5 CrNi 1810 (AISI 304)	Type of liquid	clean water without suspended solids or abrasive material
Diffuser	Technopolymer	Temperature of the liquid max.	40 °C
		Suction height max.	8 m
		Gasket	NBR 70 shore

ELECTRICAL DATA

Voltage	1/N/PE~230 V	Insulation class	F
Power line	1,5m H07RN-F	Plug	Safety
Type of enclosure	IP 44	Rotation speed	2850 rpm

AUTOJET

Type	Code No.	Motor rating P1	P2	Current	Weight
AUTOJET 60/50	N4176880-1	0.8 kW	0.55 kW	4.0 A	9.4 kg
AUTOJET 70/50	N4176870-1	1.0 kW	0.70 kW	4.5 A	10.7 kg



DIMENSIONS [mm]

Type	A	B	C	D	DNA	DNM	E
AUTOJET 60/50	140	374	99	391	1" F	1" M	194
AUTOJET 70/50	144	351	99	397	1" F	1" M	195

WP/MULTI EVO-A

BOOSTER SETS - FIX SPEED

- Reduces water hammer effect
- Ideal as a water supply system in the building
- Ready to use
- Reduction of the starting frequency with the 50 l tank
- Very easy to install



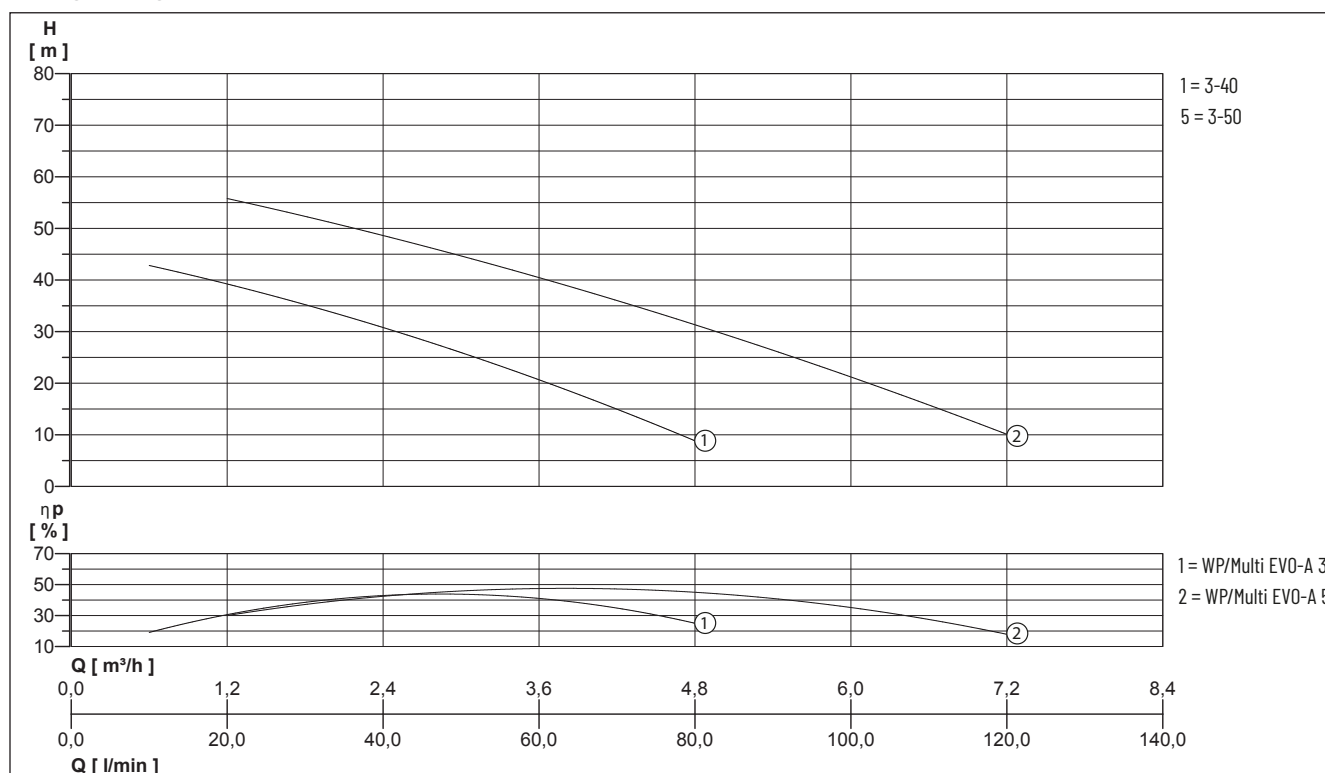
DESCRIPTION

The Pressure booster set WATERPRESS are made with self-priming multi-stage centrifugal pumps Multi EVO-A. They are supplied wired, complete with a 24 l or 50 l expansion module, ready for installation and use. All models are certified for use with drinking water (ACS).

APPLICATIONS

- Lifting and distribution of water in domestic systems in continuous or intermittent operation
- Pressurization systems
- Washing systems
- Irrigation

PERFORMANCE



We reserve the right to change specifications without notice. Pump performance is subject to ISO 9906 ISO 9906:2012 - Grade 3B tolerances.

Type	Flow rate Q [m³/h]	0.6	1.2	1.8	2.4	3	3.6	4.8	6	7.2
WP/Multi EVO-A 3-40 M/M-50l 230V-50Hz	Delivery head H [m]	42.5	39.5	35.5	31.0	25.5	20.5	9.0		
WP/Multi EVO-A 5-50 M-SS/M-50l 230V-50Hz			56.0	52.0	48.5	45.0	40.5	31.0	21.5	10.0

WP/MULTI EVO-A

BOOSTER SETS - FIX SPEED

MECHANICAL DATA

Shaft	Stainless steel X5 CrNi 1810 (AISI 304)	Contourface	Ceramic / NBR
Impeller	PPO reinforced with fibreglass	Operating pressure max.	8 bar
Motor housing	Die-cast aluminium	Type of liquid	clean water without suspended solids or abrasive material
Pump housing	Stainless steel X5 CrNi 1810 (AISI 304)	Temperature of the liquid max.	50 °C
Diffuser	PPO reinforced with fibreglass	Suction height max.	8 m
Mechanical seal	Carbon graphite / NBR / SS	Gasket	NBR 70 Shore A

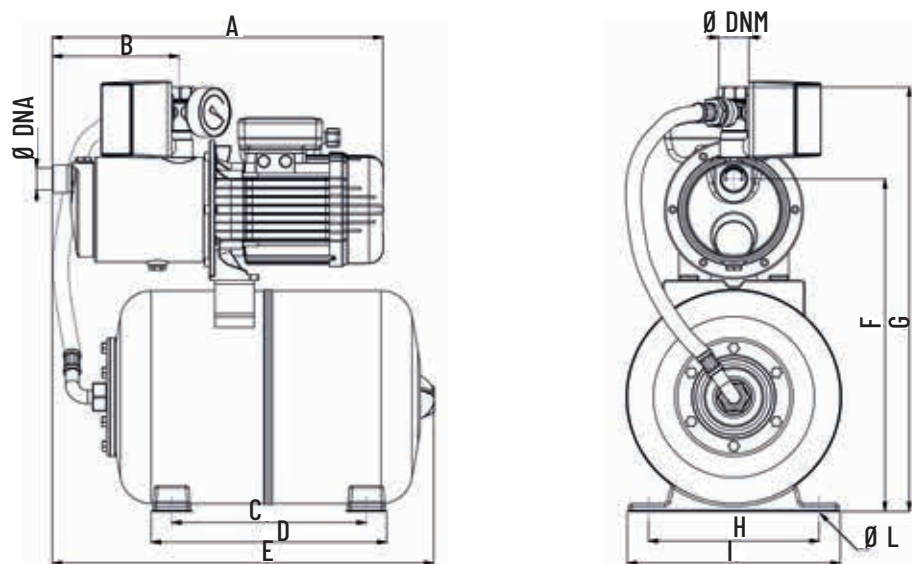
ELECTRICAL DATA

Voltage	1/N/PE~230 V	Insulation class	F
Power line	1.5 m H05 RN-F	Plug	Safety
Type of enclosure	IP 55	Rotation speed	2850 rpm

WP/MULTI EVO-A

Type	Code No.	Motor rating		Current	Weight
		P1	P2		
WP/Multi EVO-A 3-40 M 230V-50Hz	N5302140	0.80 kW	0.5 kW	3.7 A	13.6 kg
WP/Multi EVO-A 3-40 M-50I 230V-50Hz	N5302142	0.80 kW	0.5 kW	3.7 A	18.0 kg
WP/Multi EVO-A 5-50 M-SS 230V-50Hz	N5304151	1.35 kW	1.0 kW	6.2 A	14.0 kg
WP/Multi EVO-A 5-50 M-50I 230V-50Hz	N5304152	1.35 kW	1.0 kW	6.2 A	20.5 kg

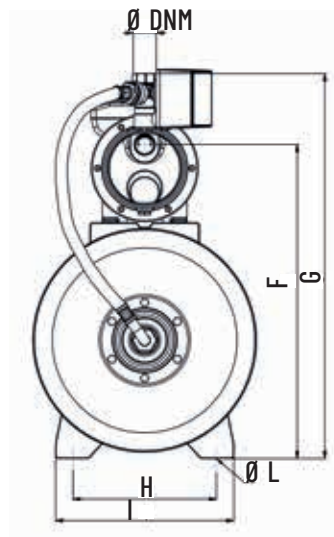
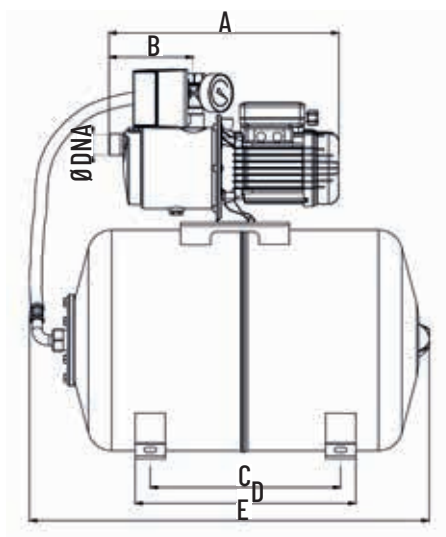
24 l



WP/MULTI EVO-A

BOOSTER SETS - FIX SPEED

50 l



DIMENSIONS [mm]

Type	A	B	C	D	F	G	H	I	L	DNA	DNM	E
WP/Multi EVO-A 3-40 M 230V-50Hz	380	139	245	295	410	530	190	240	9	1"	1"	495
WP/Multi EVO-A 3-40 M-50l 230V-50Hz	380	139	315	365	520	640	242	295	9	1"	1"	660
WP/Multi EVO-A 5-50 M-SS 230V-50Hz	422	162	248	300	435	540	218	272	11	1"	1"	490
WP/Multi EVO-A 5-50 M-50l 230V-50Hz	422	162	215	365	520	640	242	295	9	1"	1"	660

WP/MULTI EVO-A

BOOSTER SETS - FIX SPEED

WATERPRESS

BOOSTER SETS - FIX SPEED

- Ready to use
- High Reliability
- Continuous service



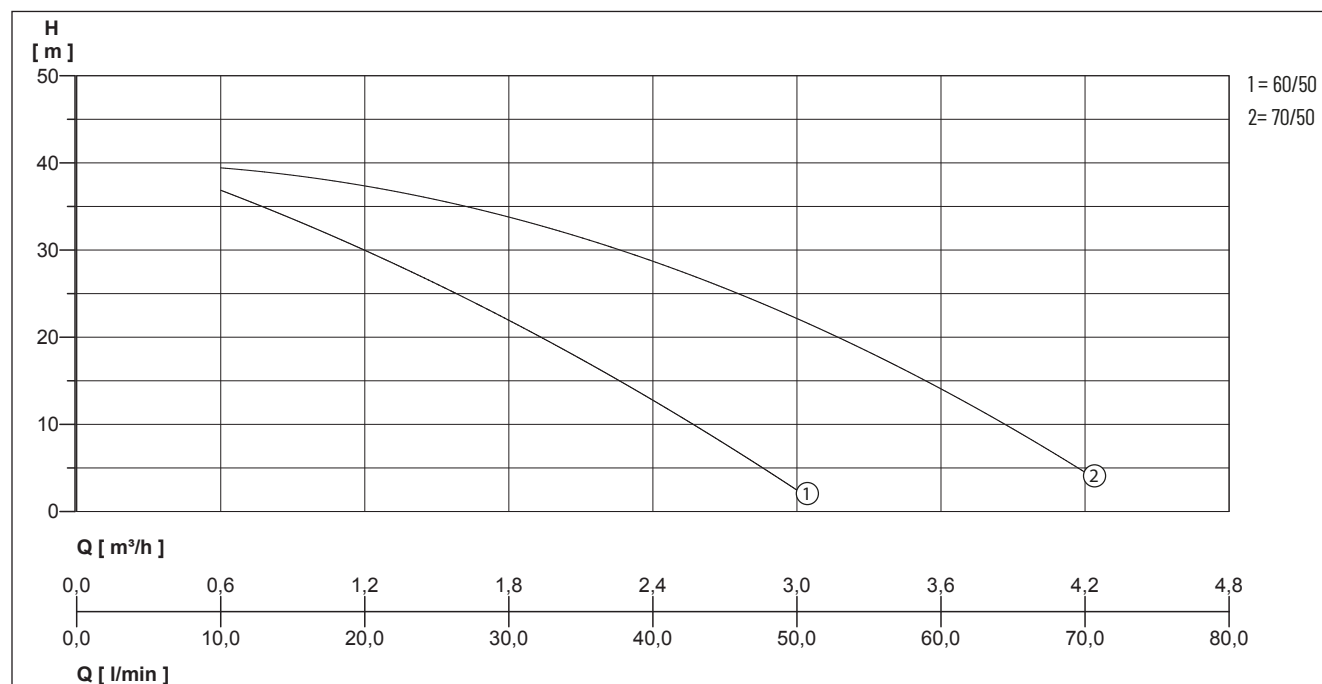
DESCRIPTION

The pressure booster set WATERPRESS are made with self-priming multi-stage centrifugal pumps of the JET series. They are supplied wired, complete with a 24 lt pressure tank, ready for installation and use.

APPLICATIONS

- Lifting and distribution of water in domestic systems in continuous or intermittent operation
- Pressurization systems and irrigation

PERFORMANCE



We reserve the right to change specifications without notice. Pump performance is subject to ISO 9906 ISO 9906:2012 - Grade 3B tolerances.

Type	Flow rate Q [m³/h]	0	0.3	1.2	1.8	2.4	3	3.6	4.2
WATERPRESS 60/50	Delivery head H [m]	46	36	31	24	9	4		
WATERPRESS 70/50		49	41	36	32	28	25	15	3

WATERPRESS

BOOSTER SETS - FIX SPEED

MECHANICAL DATA

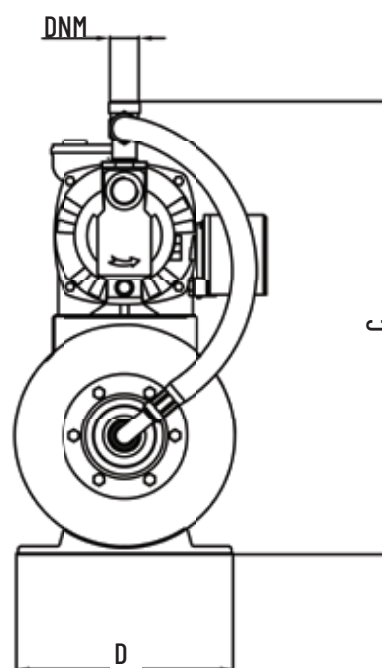
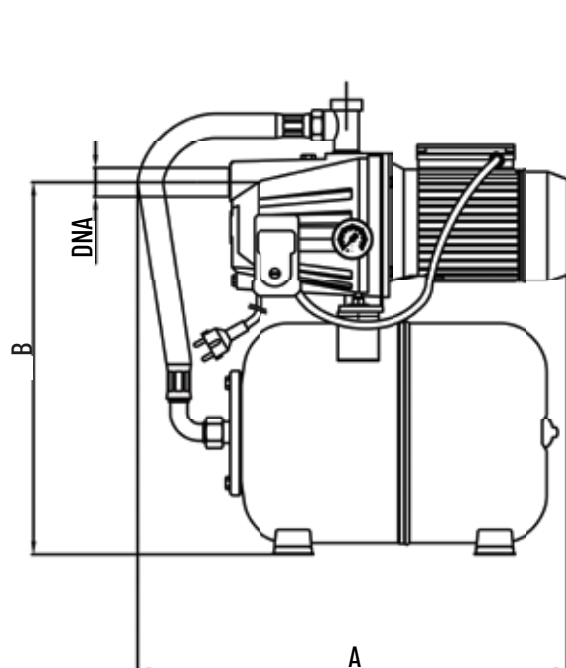
Shaft	Stainless steel X5 CrNi 1810 (AISI 304)	Type of liquid	clean water without suspended solids or abrasive material
Pump housing	Cast iron EN GJL 200	Temperature of the liquid max.	50 °C
Mechanical seal	Graphite	Suction height max.	8 m
Contourface	Ceramic	Gasket	NBR 70 shore
Operating pressure max.	6 bar		

ELECTRICAL DATA

Voltage	1/N/PE~230 V	Insulation class	F
Power line	1.5 m H05 RN-F	Plug	Safety
Type of enclosure	IP 44	Rotation speed	2850 rpm

WATERPRESS

Type	Code No.	Motor rating P1	P2	Current	Impeller	Diffuser	Weight
Motor housing: Aluminum							
WATERPRESS 60/50	N5209160	0.8 kW	0.55 kW	4 A	Technopolymer with stainless steel shim ring	Monobloc group. Technopolymer	14.5 kg
Motor housing: Cast iron EN GJL 200							
WATERPRESS 70/50	N5209730	1.1 kW	1.00 kW	5 A	Technopolymer	Technopolymer	22.3 kg



DIMENSIONS [mm]

Type	A	B	C	D	DNA	DNM
WATERPRESS 60/50	510	430	470	260	1" F	1" F
WATERPRESS 70/50	520	460	550	315	1" F	1" F

WATERPRESS INOX

BOOSTER SETS - FIX SPEED

- Continuous service
- Ready to use
- Ideal as a water supply system in the building



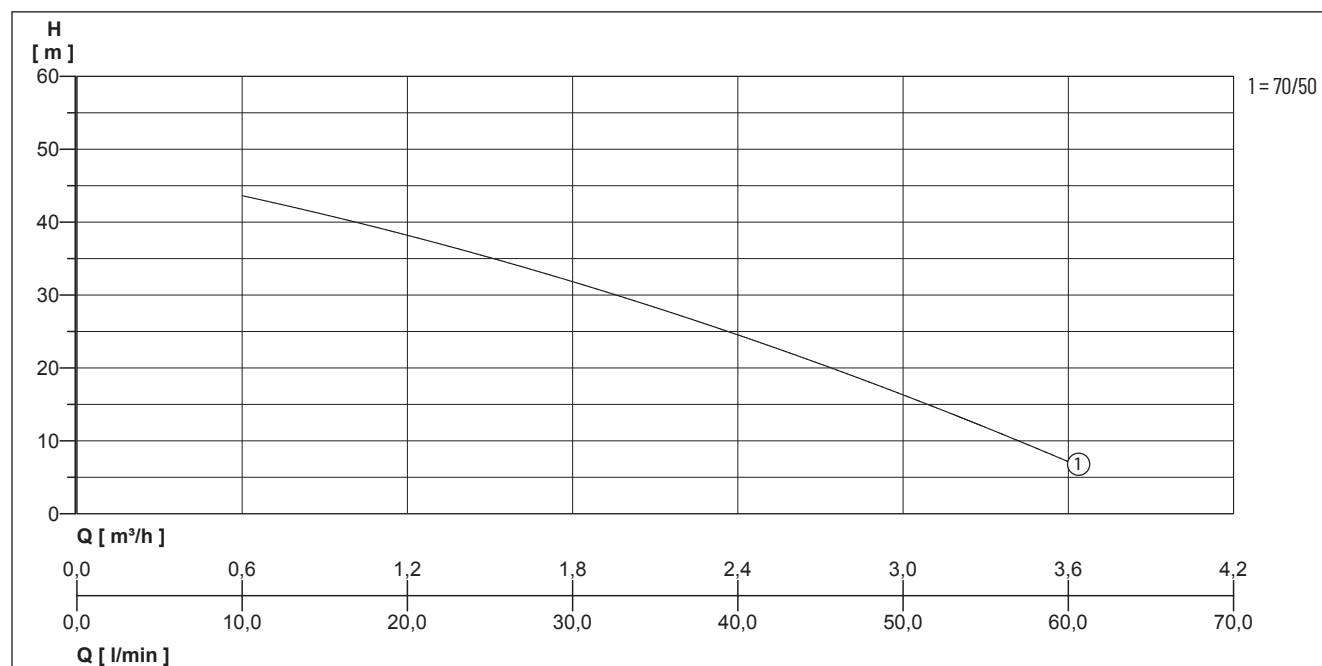
DESCRIPTION

The Pressure booster set WATERPRESS INOX are made with a JETINOX type pump. They are supplied wired, complete with a 24 lt expansion tank, ready for installation and use.

APPLICATIONS

- Lifting and distribution of water in domestic systems in continuous or intermittent operation
- Pressurization systems
- Washing and irrigation

PERFORMANCE



We reserve the right to change specifications without notice. Pump performance is subject to ISO 9906 ISO 9906:2012 - Grade 3B tolerances.

Type	Flow rate Q [m³/h]	0	1.2	2.4	3.6
WATERPRESS INOX 70/50	Delivery head H [m]	48.0	37.5	25.0	7.0

WATERPRESS INOX

BOOSTER SETS - FIX SPEED

MECHANICAL DATA

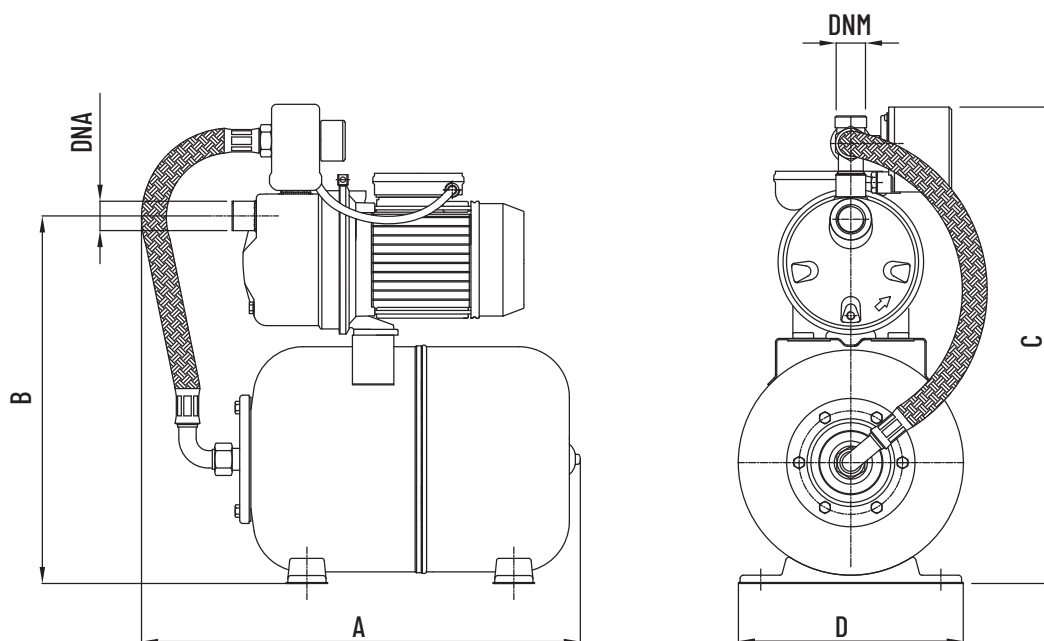
Shaft	Stainless steel X 12 CrNiS 1809 (AISI 416)	Contourface	Ceramic
Impeller	Technopolymer with stainless steel shim ring	Operating pressure max.	6 bar
Motor housing	Die-cast aluminium	Type of liquid	clean water without suspended solids or abrasive material
Pump housing	Stainless steel X5 CrNi 1810 (AISI 304)	Temperature of the liquid max.	50 °C
Diffuser	Technopolymer	Suction height max.	8 m
Mechanical seal	Graphite	Gasket	NBR 70 shore
		Weight	13.8 kg

ELECTRICAL DATA

Voltage	1/N/PE~230 V	Type of enclosure	IP 44
Motor rating P1	1 kW	Insulation class	F
Motor rating P2	0.7 kW	Plug	Safety
Current	4.5 A	Rotation speed	2850 rpm
Power line	1.5 m H05 RN-F		

WATERPRESS INOX

Type	Code No.
WATERPRESS INOX 70/50	N5209750



DIMENSIONS [mm]

Type	A	B	C	D	DNA	DNM
WATERPRESS INOX 70/50	520	445	565	260	1" F	1" F

PENTAIR STA-RITE

WATERPRESS SUPERINOX

BOOSTER SETS - FIX SPEED

- Pressure tank in stainless steel
- High hydraulic efficiency
- Continuous service



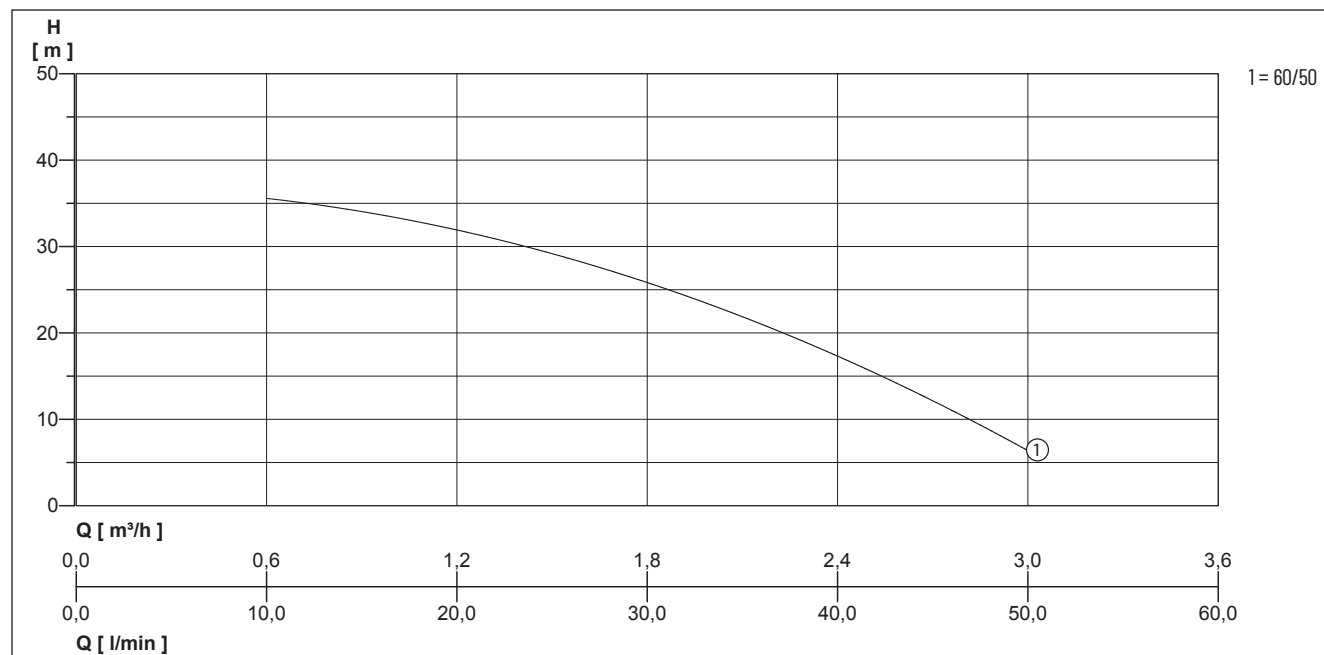
DESCRIPTION

The Pressure booster set WATERPRESS SUPERINOX are made with a JETINOX self-priming centrifugal pump. They are supplied wired and complete with a stainless steel pressure tank.

APPLICATIONS

- Lifting and distribution of water in domestic systems in continuous or intermittent operation
- Pressurization systems
- Washing and irrigation

PERFORMANCE



We reserve the right to change specifications without notice. Pump performance is subject to ISO 9906 ISO 9906:2012 - Grade 3B tolerances.

Type	Flow rate Q [m³/h]	0	0.6	1.2	1.8	2.4	3
WATERPRESS-SUPERINOX 60/50-C	Delivery head H [m]	46	36	31	26	18	6

WATERPRESS SUPERINOX

BOOSTER SETS - FIX SPEED

MECHANICAL DATA

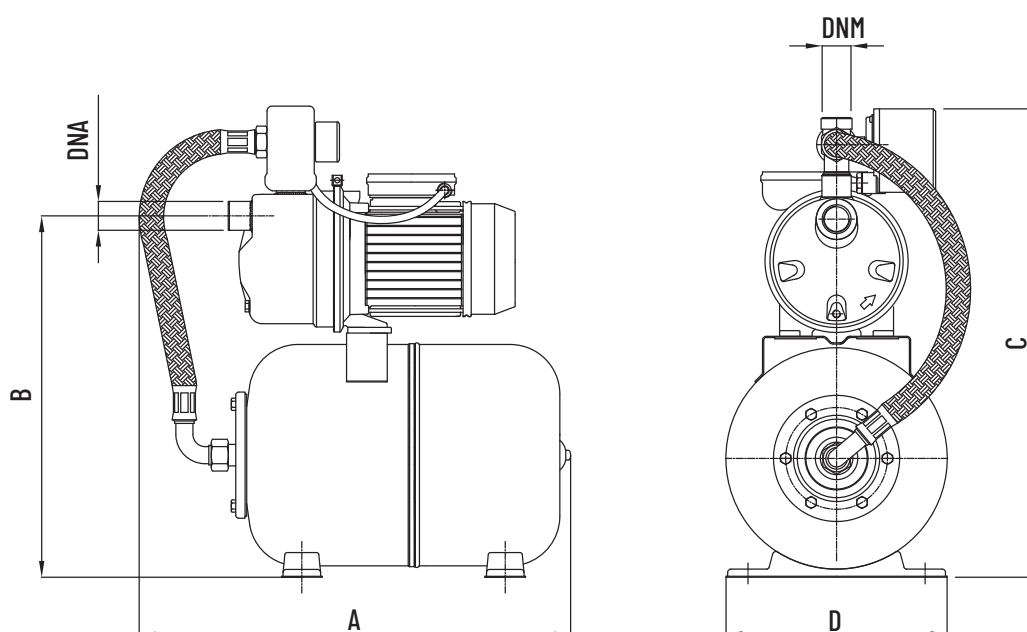
Shaft	Stainless steel X 12 CrNiS 1809 (AISI 416)	Contourface	Ceramic
Impeller	Technopolymer with stainless steel shim ring	Operating pressure max.	6 bar
Motor housing	Die-cast aluminium	Type of liquid	clean water without suspended solids or abrasive material
Pump housing	Stainless steel X5 CrNi 1810 (AISI 304)	Temperature of the liquid max.	50 °C
Diffuser	Technopolymer	Suction height max.	8 m
Mechanical seal	Graphite	Gasket	NBR 70 shore
		Weight	11.2 kg

ELECTRICAL DATA

Voltage	1/N/PE~230 V	Type of enclosure	IP 44
Motor rating P1	0.8 kW	Insulation class	F
Motor rating P2	0.55 kW	Plug	Safety
Current	4 A	Rotation speed	2850 rpm
Power line	1.5 m H05 RN-F		

WATERPRESS SUPERINOX

Type	Code No.
WATERPRESS-SUPERINOX 60/50-C	N5209680



DIMENSIONS [mm]

Type	A	B	C	D	DNA	DNM
WATERPRESS-SUPERINOX 60/50-C	530	425	550	280	1" F	1" F

EASY20/MULTI EVO

BOOSTER SETS - FIX SPEED

- Compact dimensions
- High hydraulic efficiency
- Sturdy and resistant



DESCRIPTION

They are booster set for the automatic pressurization of water distribution systems with single phase power supply consisting of: 2 pumps, electrical panel, base, intake and delivery manifolds, pressure switches, pressure gauge and check valve in supply.

DESCRIPTION OF OPERATION

The pumps are controlled by two pressure switches with adjustable settings, via an electrical panel with an electronic board for:

- the sequential start-up of the pumps
- the inversion of the start-up order
- the settings for protection against dry running
- timer (adjustable from 0 to 180»)

When the network pressure reaches the value for the closing of the electrical contact of pressure switch n.1, a pump starts. If the pressure continues to drop, once the value of the closing pressure of the second pressure switch has been reached, the other pump starts. When the value of the network pressure increases, the pressure switches open their contact causing the relative pump to stop. At the end of each cycle, the automatic inverter changes the starting order of the pumps (once pressure switch n.1 is associated to pump n.1; in the next cycle to pump n.2).

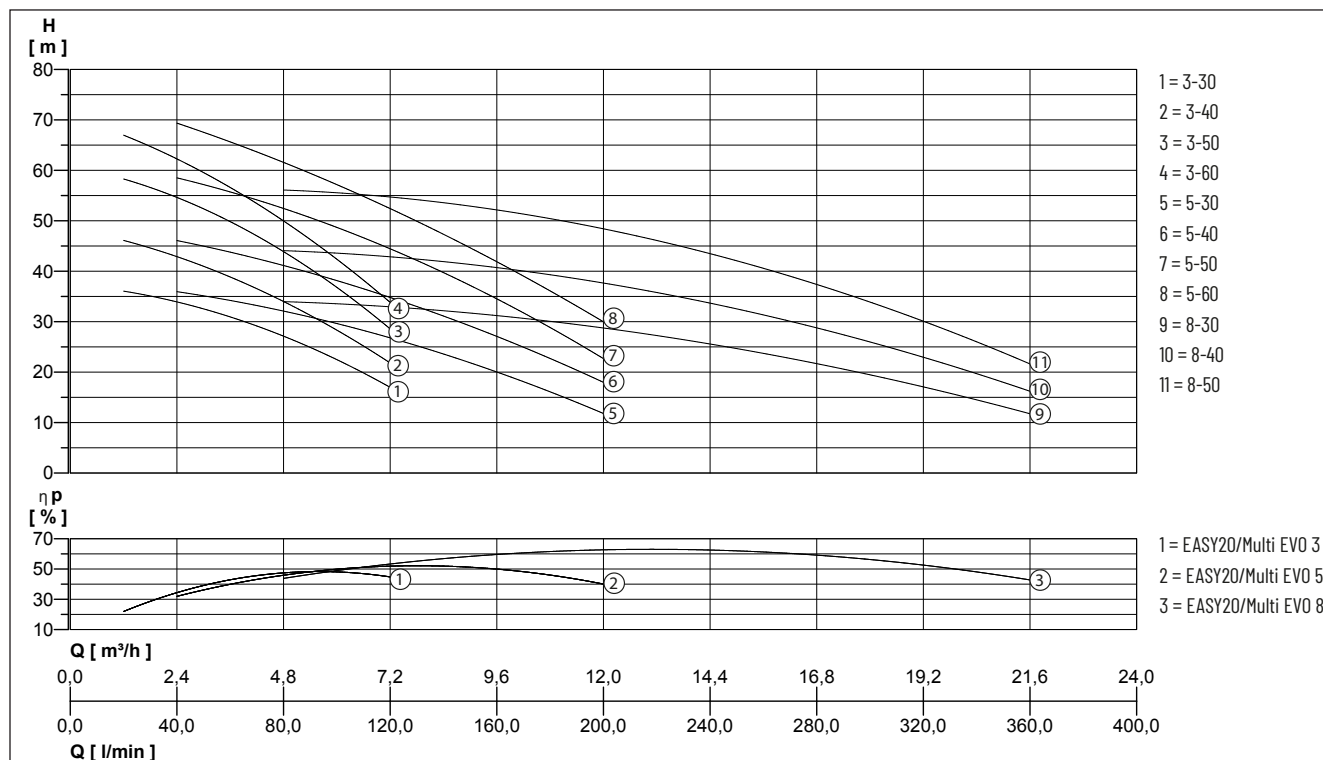
APPLICATIONS

- Lifting and distribution of water in domestic systems in continuous or intermittent operation
- Pressurization systems
- Washing systems
- Irrigation

EASY20/MULTI EVO

BOOSTER SETS - FIX SPEED

PERFORMANCE



We reserve the right to change specifications without notice. Pump performance is subject to ISO 9906 ISO 9906:2012 - Grade 3B tolerances.

Type	Flow rate Q [m³/h]	1.2	2.4	3.6	4.8	6	7.2	9.6	12	14.4	16.8	19.2	21.6
EASY20/Multi EVO 3-30 M/T - GI	Delivery head H [m]	36.0	34.0	31.0	27.0	22.5	17.0						
EASY20/Multi EVO 3-40 M/T - GI		46.0	43.0	39.0	34.0	28.0	22.0						
EASY20/Multi EVO 3-50 M/T - GI		58.0	55.0	50.0	44.0	36.0	29.0						
EASY20/Multi EVO 3-60 M/T - GI		67.0	62.0	57.0	50.0	42.0	34.0						
EASY20/Multi EVO 5-30 M/T - GI			36.0	34.0	32.0	30.0	27.0	19.5	12.0				
EASY20/Multi EVO 5-40 M/T - GI			46.0	44.0	41.0	38.0	35.0	27.0	18.0				
EASY20/Multi EVO 5-50 M/T - GI			58.0	56.0	53.0	49.0	44.0	34.0	23.0				
EASY20/Multi EVO 5-60 M/T - GI			69.0	66.0	62.0	57.0	52.0	42.0	30.0				
EASY20/Multi EVO 8-30 M/T - GI					34.0	33.5	33.0	31.0	29.0	25.5	22.0	16.5	12.0
EASY20/Multi EVO 8-40 M/T - GI					44.5	43.5	42.5	40.5	37.5	34.0	29.0	23.0	16.0
EASY20/Multi EVO 8-50 M/T - GI					56.5	55.5	54.5	51.5	48.5	44.0	37.5	30.0	21.5

MECHANICAL DATA

Operating pressure max.	8 bar	Temperature of the liquid max.	40 °C
Type of liquid	clean water without suspended solids or abrasive material		

ELECTRICAL DATA

Type of enclosure	IP 55	Frequency	50 Hz
Ambient temperature max.	40 °C		

EASY20/MULTI EVO

BOOSTER SETS - FIX SPEED

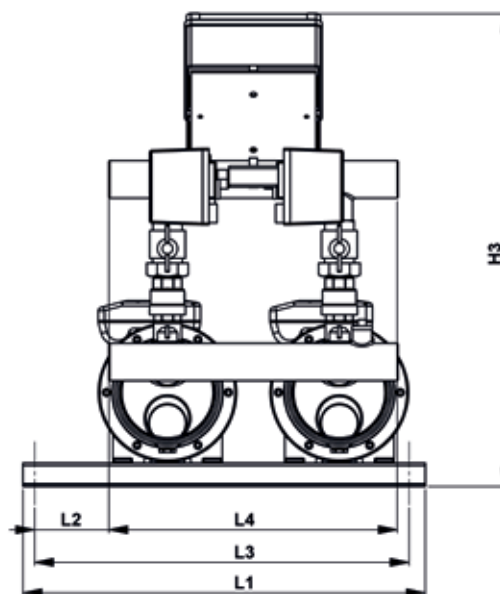
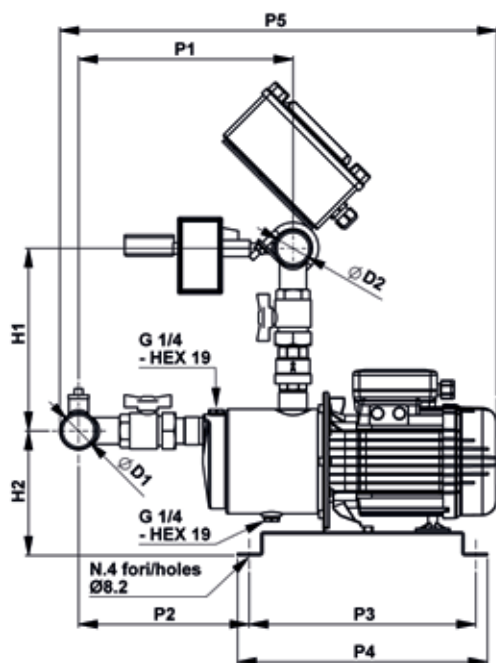
EASY20/MULTI EVO

Type	Code No.	Voltage	Motor rating 2xP1	Weight
EASY20/Multi EVO 3-30 M - GI	UP630600-EB	1/N/PE~230 V	0.65 kW	31.0 kg
EASY20/Multi EVO 3-30 T - GI	UP640600-EB	3/N/PE~400 V	0.65 kW	37.0 kg
EASY20/Multi EVO 3-40 M - GI	UP630700-EB	1/N/PE~230 V	0.80 kW	32.0 kg
EASY20/Multi EVO 3-40 T - GI	UP640700-EB	3/N/PE~400 V	0.78 kW	38.0 kg
EASY20/Multi EVO 3-50 M - GI	UP630800-EB	1/N/PE~230 V	1.00 kW	36.0 kg
EASY20/Multi EVO 3-50 T - GI	UP640800-EB	3/N/PE~400 V	1.00 kW	42.0 kg
EASY20/Multi EVO 3-60 M - GI	UP630900-EB	1/N/PE~230 V	1.25 kW	39.5 kg
EASY20/Multi EVO 3-60 T - GI	UP640900-EB	3/N/PE~400 V	1.17 kW	45.5 kg
EASY20/Multi EVO 5-30 M - GI	UP631000-EB	1/N/PE~230 V	0.80 kW	33.5 kg
EASY20/Multi EVO 5-30 T - GI	UP641000-EB	3/N/PE~400 V	0.78 kW	39.5 kg
EASY20/Multi EVO 5-40 M - GI	UP631100-EB	1/N/PE~230 V	1.10 kW	37.0 kg
EASY20/Multi EVO 5-40 T - GI	UP641100-EB	3/N/PE~400 V	1.10 kW	43.0 kg
EASY20/Multi EVO 5-50 M - GI	UP631200-EB	1/N/PE~230 V	1.35 kW	40.0 kg
EASY20/Multi EVO 5-50 T - GI	UP641200-EB	3/N/PE~400 V	1.25 kW	46.0 kg
EASY20/Multi EVO 5-60 M - GI	UP631300-EB	1/N/PE~230 V	1.65 kW	46.0 kg
EASY20/Multi EVO 5-60 T - GI	UP641300-EB	3/N/PE~400 V	1.57 kW	52.0 kg
EASY20/Multi EVO 8-30 M - GI	UP631400-EB	1/N/PE~230 V	1.28 kW	42.0 kg
EASY20/Multi EVO 8-30 T - GI	UP641400-EB	3/N/PE~400 V	1.20 kW	48.0 kg
EASY20/Multi EVO 8-40 M - GI	UP631500-EB	1/N/PE~230 V	1.66 kW	48.0 kg
EASY20/Multi EVO 8-40 T - GI	UP641500-EB	3/N/PE~400 V	1.50 kW	54.0 kg
EASY20/Multi EVO 8-50 M - GI	UP631600-EB	1/N/PE~230 V	2.00 kW	50.0 kg
EASY20/Multi EVO 8-50 T - GI	UP641600-EB	3/N/PE~400 V	1.95 kW	56.0 kg

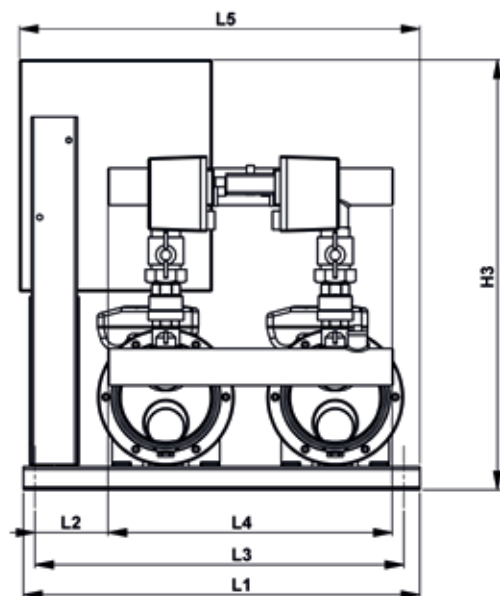
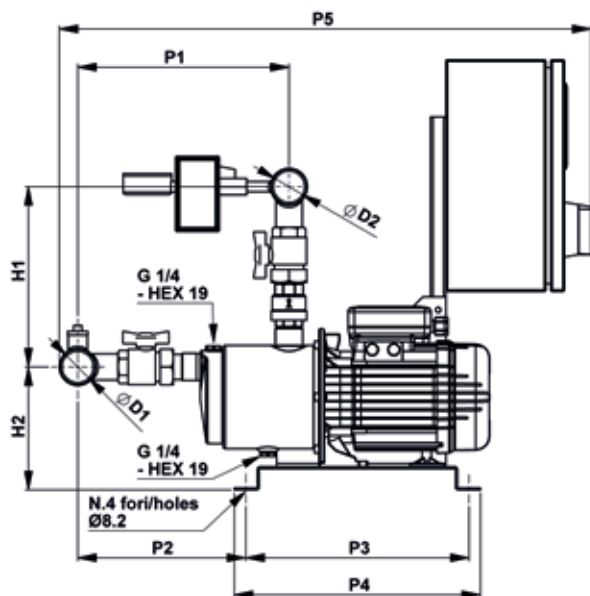
EASY20/MULTI EVO

BOOSTER SETS - FIX SPEED

Single-phase



Three-phase



EASY20/MULTI EVO

BOOSTER SETS - FIX SPEED

DIMENSIONS [mm]

Type	L1	L2	L3	L4	L5	P1	P2	P3	P4	P5	H1	H2	H3	DNA	DNM
EASY20/Multi EVO 3-30 M - GI	515	95	485	370		255	196	290	320	525	235	160	605	11/2"	11/2"
EASY20/Multi EVO 3-30 T - GI	515	95	485	370	520	255	196	290	320	670	235	160	560	11/2"	11/2"
EASY20/Multi EVO 3-40 M - GI	515	95	485	370		255	196	290	320	525	235	160	605	11/2"	11/2"
EASY20/Multi EVO 3-40 T - GI	515	95	485	370	520	255	196	290	320	670	235	160	560	11/2"	11/2"
EASY20/Multi EVO 3-50 M - GI	515	95	485	370		275	216	290	320	560	235	160	605	11/2"	11/2"
EASY20/Multi EVO 3-50 T - GI	515	95	485	370	520	275	216	290	320	690	235	160	560	11/2"	11/2"
EASY20/Multi EVO 3-60 M - GI	515	95	485	370		297	238	290	320	580	235	160	605	11/2"	11/2"
EASY20/Multi EVO 3-60 T - GI	515	95	485	370	520	297	238	290	320	715	235	160	560	11/2"	11/2"
EASY20/Multi EVO 5-30 M - GI	515	95	485	370		275	222	290	320	550	240	155	605	2"	11/2"
EASY20/Multi EVO 5-30 T - GI	515	95	485	370	520	275	222	290	320	695	240	155	560	2"	11/2"
EASY20/Multi EVO 5-40 M - GI	515	95	485	370		275	222	290	320	560	240	155	605	2"	11/2"
EASY20/Multi EVO 5-40 T - GI	515	95	485	370	520	275	222	290	320	695	240	155	560	2"	11/2"
EASY20/Multi EVO 5-50 M - GI	515	95	485	370		300	247	290	320	590	240	155	605	2"	11/2"
EASY20/Multi EVO 5-50 T - GI	515	95	485	370	520	300	247	290	320	695	240	155	560	2"	11/2"
EASY20/Multi EVO 5-60 M - GI	515	95	485	370		320	267	290	320	645	240	155	605	2"	11/2"
EASY20/Multi EVO 5-60 T - GI	515	95	485	370	520	320	267	290	320	745	240	155	560	2"	11/2"
EASY20/Multi EVO 8-30 M - GI	515	95	485	370		296	240	290	320	585	292	155	660	2"	2"
EASY20/Multi EVO 8-30 T - GI	515	95	485	370	520	296	240	290	320	718	292	155	560	2"	2"
EASY20/Multi EVO 8-40 M - GI	515	95	485	370		296	240	290	320	620	292	155	660	2"	2"
EASY20/Multi EVO 8-40 T - GI	515	95	485	370	520	296	240	290	320	718	292	155	560	2"	2"
EASY20/Multi EVO 8-50 M - GI	515	95	485	370		325	275	290	320	645	292	155	660	2"	2"
EASY20/Multi EVO 8-50 T - GI	515	95	485	370	520	325	275	290	320	745	292	155	560	2"	2"

EASY20/MULTI EVO

BOOSTER SETS - FIX SPEED

EASYBOOST

BOOSTER SETS - FIX SPEED

- Compact dimensions
- Sturdy and resistant
- High hydraulic efficiency
- Reliable



DESCRIPTION

They are booster set for the automatic pressurization of water distribution systems with single phase power supply consisting of: 2 pumps, electrical panel, base, intake and delivery manifolds, pressure switches, pressure gauge and check valve in supply.

DESCRIPTION OF OPERATION

The pumps are controlled by two pressure switches with adjustable settings, via an electrical panel with an electronic board for:

- the sequential start-up of the pumps
- the inversion of the start-up order
- the settings for protection against dry running
- timer (adjustable from 0 to 180")

When the mains pressure reaches the value for the closing of the electrical contact of pressure switch n.1, a pump starts. If the pressure continues to drop, once the value of the closing pressure of the second pressure switch has been reached, the other pump starts. When the value of the network pressure increases, the pressure switches open their contact causing the relative pump to stop. At the end of each cycle, the automatic inverter changes the starting order of the pumps (once pressure switch n.1 is associated to pump n.1; in the next cycle to pump n.2).

MECHANICAL DATA

Type of liquid	clean water without suspended solids or abrasive material	Temperature of the liquid max.	40 °C
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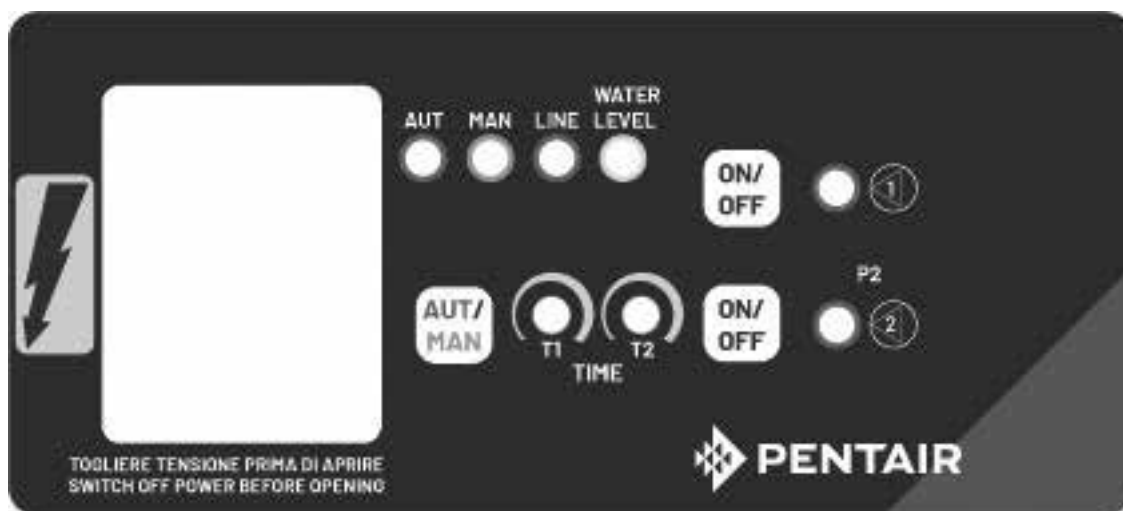
ELECTRICAL DATA

Frequency	50 Hz		
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EASYBOOST

BOOSTER SETS - FIX SPEED

SINGLE PHASE ELECTRICAL PANEL



Electrical panel

- Box in plastic material IP65
- Fuses
- Multifunctional electronic board with integrated transformer for the auxiliary circuit
- Start-up relay for each pump
- Protection against overload provided by the electronic board
- Trimmer to adjust the delay time from 0 to 180 seconds, after the opening of the contact of the pressure switch (for each pump)

Main functions

- Cyclic inversion of the start-up order of the pumps after each cycle end
- ON/OFF control of the level of the tank or the pressure of the supply duct by means of a float switch or a different differential pressure switch
- Adjustable timer for the pumps

Signals and controls

- Manual - Automatic button
- ON/OFF buttons for each pump
- LED indicating the presence of power
- LED indicating pump in operation
- LED indicating low level in the collection tank or pressure insufficient in the Suction manifold
- LEDs indicating manual or automatic operation
- BMS with contacts for each pump: pump on and overload

External control devices

- Two adjustable differential pressure switches ON/OFF
- ON/OFF float switch, located in the water collection tank, or
- Reverse pressure switch inserted in the water supply duct (aqueduct)

EASYBOOST

BOOSTER SETS - FIX SPEED

THREE-PHASE ELECTRICAL PANEL



Electrical panel

- Metal box IP54
- Main switch
- Electronic board
- Fuses and contactors for each pump
- Protection against overload provided by the electronic board
- Transformer with fuses for the auxiliary circuit

Main functions

- Cyclic inversion of the start-up order of the pumps after each cycle end
- ON/OFF control of the level of the tank or the pressure of the supply duct by means of a float switch or a different differential pressure switch
- Timer of the last pump settable from 0 to 180 seconds, after the opening of the pressure switch operation contact

Signals and controls

- M-0-T button (Manual - 0 - Automatic)
- ON/OFF buttons for each pump
- LED indicating the presence of power
- LED indicating pump in operation
- LED indicating low level in the collection tank or pressure insufficient in the Suction manifold
- LED indicating overload
- LEDs indicating manual or automatic operation
- BMS with contacts for each pump: pump on, overload and no water alarm
- Communication RS232/RS485

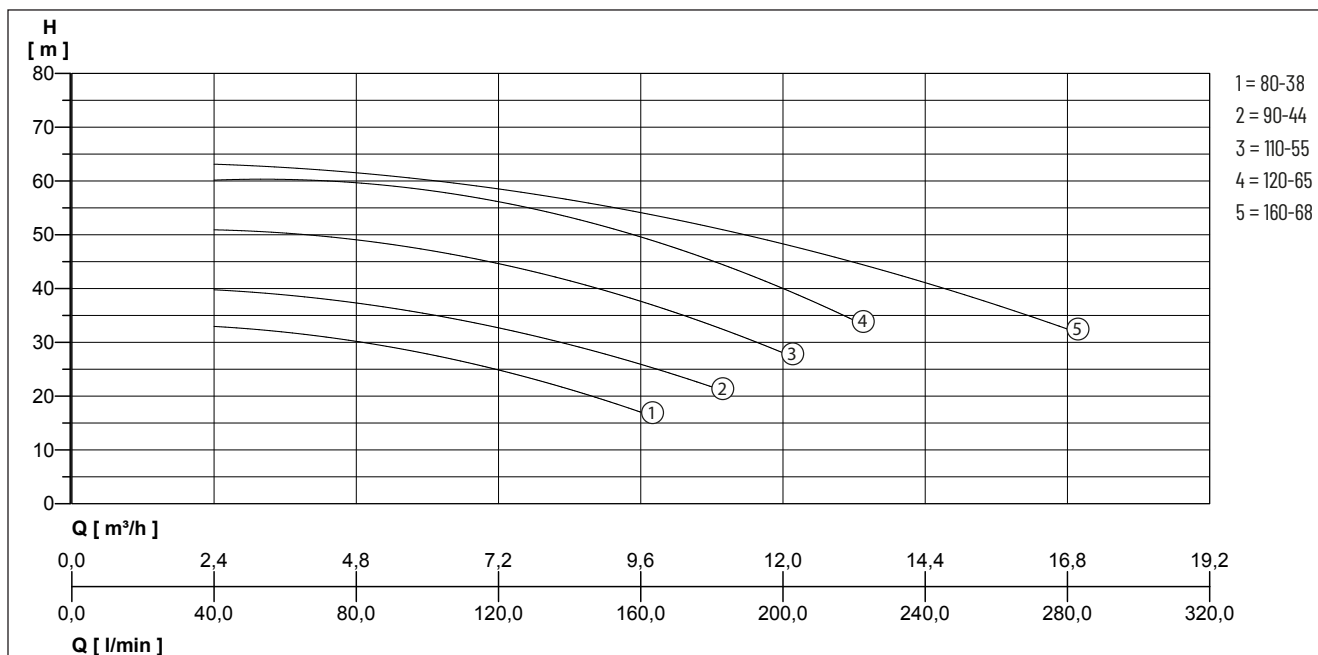
External control devices

- Two adjustable differential pressure switches ON/OFF
- ON/OFF float switch, located in the water collection tank, or
- Reverse pressure switch inserted in the water supply duct (aqueduct)

EASYBOOST - CB

BOOSTER SETS - FIX SPEED

PERFORMANCE



We reserve the right to change specifications without notice. Pump performance is subject to ISO 9906 ISO 9906:2012 - Grade 3B tolerances.

Type	Flow rate Q [m³/h]	2.4	4.8	6	9.6	10.8	12	13.2	16.8
EASY20/CB 80/38M-GI+80/38T-GI	Delivery head H [m]	33	30	28	17				
EASY20/CB 90/44M-GI+90/44T-GI		40	37	35	27	21			
EASY20/CB 110/55M-GI+110/55T-GI		51	49	47	38	33	28		
EASY20/CB 120/65M-GI+120/65T-GI		61	59	57	50	47	40	33	
EASY20/CB 160/68T-GI		61	59	54	52	49	45	32	0

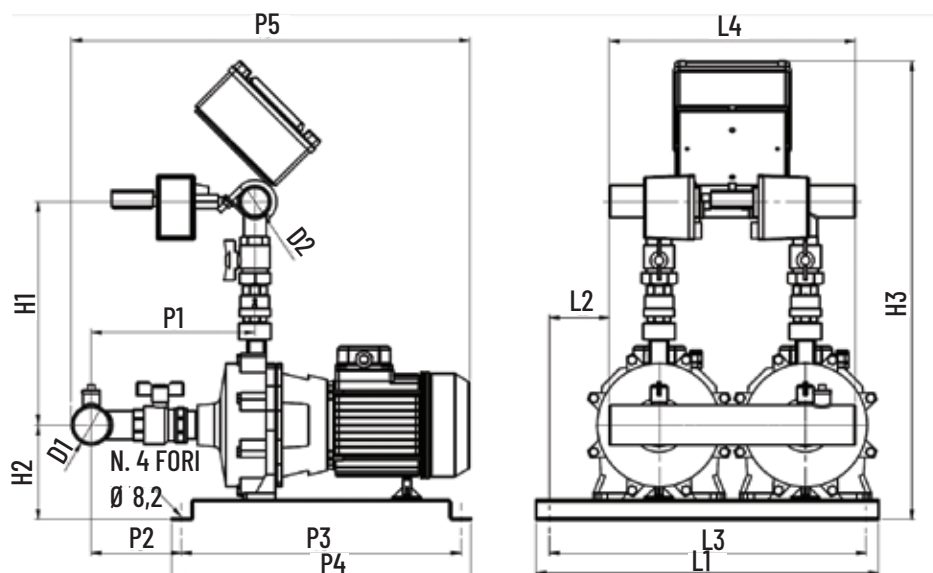
EASYBOOST - CB

Type	Code No.	Voltage	Motor rating 2xP2	Type of enclosure	Ambient temperature max.	Operating pressure max.	Weight
EASY20/CB 80/38M-GI	UP830000-EB	1/N/PE~230 V	0.55 kW	IP 44	40 °C	9 bar	34 kg
EASY20/CB 80/38T-GI	UP840000-EB	3/N/PE~400 V	0.55 kW	IP 44	40 °C	9 bar	40 kg
EASY20/CB 90/44M-GI	UP830100-EB	1/N/PE~230 V	0.74 kW	IP 44	40 °C	9 bar	42 kg
EASY20/CB 90/44T-GI	UP840100-EB	3/N/PE~400 V	0.74 kW	IP 44	40 °C	9 bar	48 kg
EASY20/CB 110/55M-GI	UP830200-EB	1/N/PE~230 V	1.10 kW	IP 44	40 °C	9 bar	62 kg
EASY20/CB 110/55T-GI	UP840200-EB	3/N/PE~400 V	1.10 kW	IP 44	40 °C	9 bar	68 kg
EASY20/CB 120/65M-GI	UP830300-EB	1/N/PE~230 V	1.50 kW	IP 44	40 °C	9 bar	-
EASY20/CB 120/65T-GI	UP840300-EB	3/N/PE~400 V	1.50 kW	IP 44	40 °C	9 bar	70 kg
EASY20/CB 160/68T-GI	UP840400-EB	3/N/PE~400 V	2.20 kW	IP 44	40 °C	9 bar	69 kg

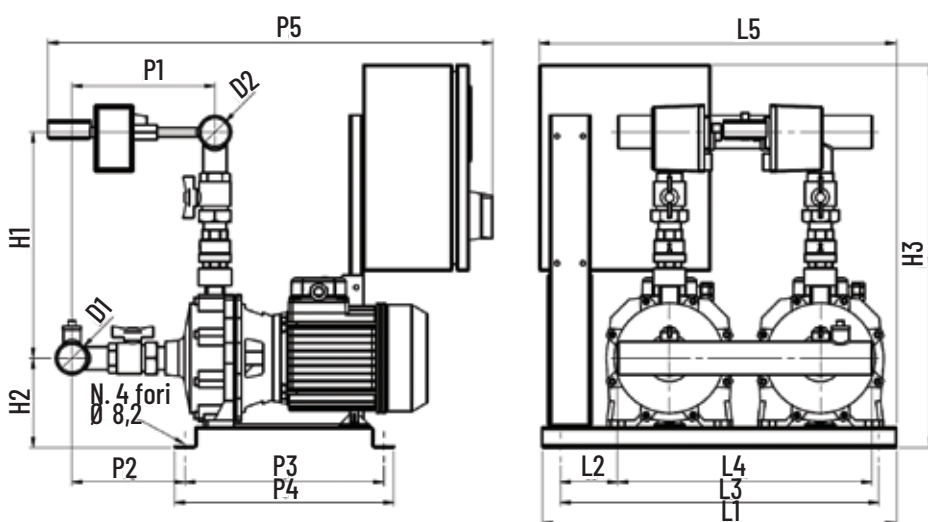
EASYBOOST - CB

BOOSTER SETS - FIX SPEED

Single phase



Three phase



EASYBOOST - CB

BOOSTER SETS - FIX SPEED

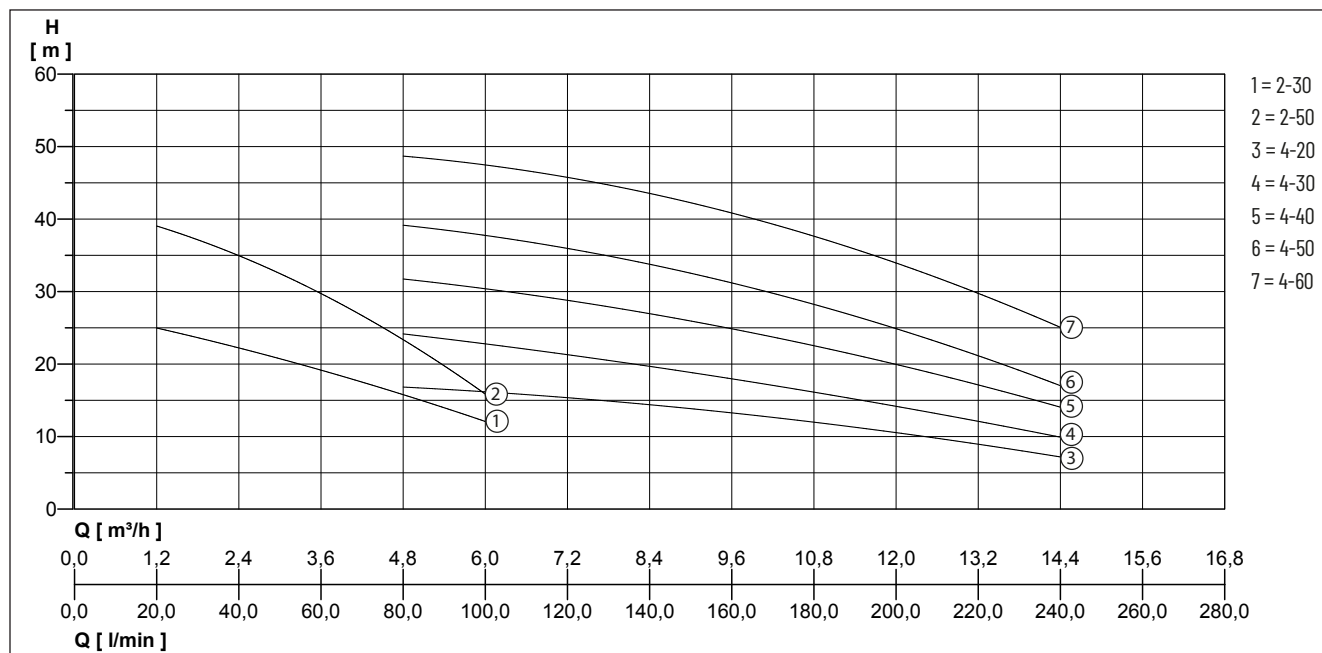
DIMENSIONS [mm]

Type	L1	L2	L3	L4	L5	P1	P2	P3	P4	P5	H1	H2	H3	D1	D2
EASY20/CB 80/38M-GI	515	95	485	370		209	165	290	320	542	328	130	671	1 1/2"	1 1/2"
EASY20/CB 80/38T-GI	515	95	485	370	520	209	165	290	320	652	328	130	560	1 1/2"	1 1/2"
EASY20/CB 90/44M-GI	515	95	485	370		209	165	290	320	542	328	130	671	1 1/2"	1 1/2"
EASY20/CB 90/44T-GI	515	95	485	370	520	209	165	290	320	652	328	130	560	1 1/2"	1 1/2"
EASY20/CB 110/55M-GI	515	95	485	370		246	135	420	450	600	335	142	690	2"	1 1/2"
EASY20/CB 110/55T-GI	515	95	485	370	520	246	135	420	450	758	335	142	560	2"	1 1/2"
EASY20/CB 120/65M-GI	515	95	485	370		246	135	420	450	600	335	142	690	2"	1 1/2"
EASY20/CB 120/65T-GI	515	95	485	370	520	246	135	420	450	758	335	142	560	2"	1 1/2"
EASY20/CB 160/68T-GI	515	95	485	370	520	246	135	420	450	758	335	142	560	2"	1 1/2"

EASYBOOST - DHR 2/4

BOOSTER SETS - FIX SPEED

PERFORMANCE



We reserve the right to change specifications without notice. Pump performance is subject to ISO 9906 ISO 9906:2012 - Grade 3B tolerances.

Type	Flow rate Q [m³/h]	1.2	3.6	4.8	6	9.6	12	14.4
EASY20/DHR2 30M-GI/30T-GI	Delivery head H [m]	25	19	16	12			
EASY20/DHR2 50M-GI/50T-GI		39	30	23	16			
EASY20/DHR4 20M-GI/20T-GI				17	16	13	11	7
EASY20/DHR4 30M-GI/30T-GI				24	23	18	14	10
EASY20/DHR4 40M-GI/40T-GI				32	30	25	20	14
EASY20/DHR4 50M-GI/50T-GI				39	38	31	25	17
EASY20/DHR4 60M-GI/60T-GI				49	47	41	34	25

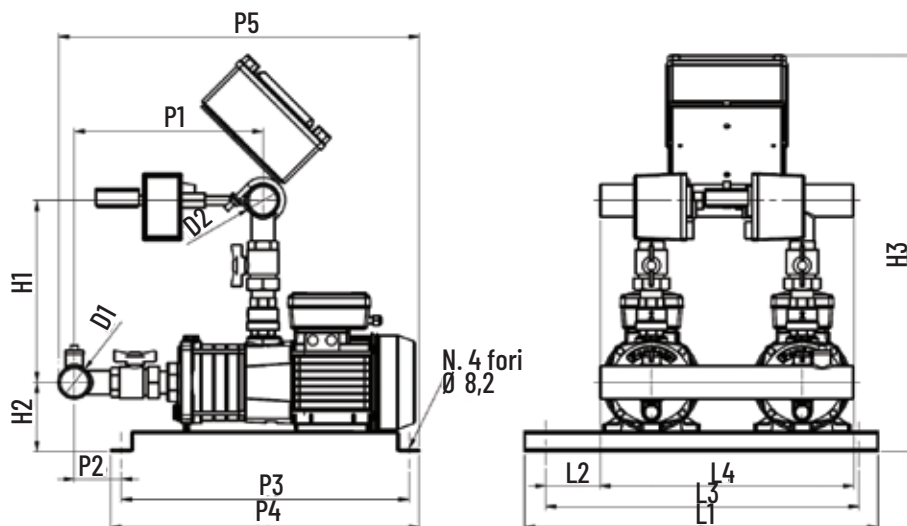
EASYBOOST - DHR 2/4

Type	Code No.	Voltage	Motor rating 2xP2	Type of en- closure	Ambient tem- perature max.	Operating pres- sure max.	Weight
EASY20/DHR2 30M-GI	UP130000-EB	1/N/PE~230 V	0.30 kW	IP 55	50 °C	10 bar	32 kg
EASY20/DHR2 30T-GI	UP140000-EB	3/N/PE~400 V	0.30 kW	IP 55	50 °C	10 bar	38 kg
EASY20/DHR2 50M-GI	UP130100-EB	1/N/PE~230 V	0.50 kW	IP 55	50 °C	10 bar	35 kg
EASY20/DHR2 50T-GI	UP140100-EB	3/N/PE~400 V	0.50 kW	IP 55	50 °C	10 bar	41 kg
EASY20/DHR4 20M-GI	UP330000-EB	1/N/PE~230 V	0.37 kW	IP 55	50 °C	10 bar	34 kg
EASY20/DHR4 20T-GI	UP340000-EB	3/N/PE~400 V	0.37 kW	IP 55	50 °C	10 bar	40 kg
EASY20/DHR4 30M-GI	UP330100-EB	1/N/PE~230 V	0.50 kW	IP 55	50 °C	10 bar	34 kg
EASY20/DHR4 30T-GI	UP340100-EB	3/N/PE~400 V	0.50 kW	IP 55	50 °C	10 bar	48 kg
EASY20/DHR4 40M-GI	UP330200-EB	1/N/PE~230 V	0.70 kW	IP 55	50 °C	10 bar	36 kg
EASY20/DHR4 40T-GI	UP340200-EB	3/N/PE~400 V	0.70 kW	IP 55	50 °C	10 bar	42 kg
EASY20/DHR4 50M-GI	UP330300-EB	1/N/PE~230 V	0.90 kW	IP 55	50 °C	10 bar	40 kg
EASY20/DHR4 50T-GI	UP340300-EB	3/N/PE~400 V	0.90 kW	IP 55	50 °C	10 bar	46 kg
EASY20/DHR4 60M-GI	UP330400-EB	1/N/PE~230 V	1.20 kW	IP 55	50 °C	10 bar	46 kg
EASY20/DHR4 60T-GI	UP340400-EB	3/N/PE~400 V	1.20 kW	IP 55	50 °C	10 bar	52 kg

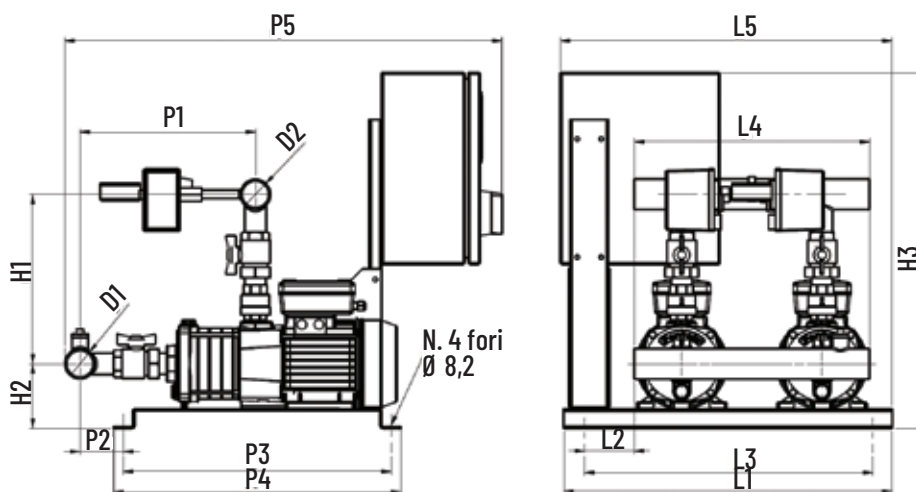
EASYBOOST - DHR 2/4

BOOSTER SETS - FIX SPEED

Single phase - DHR 2



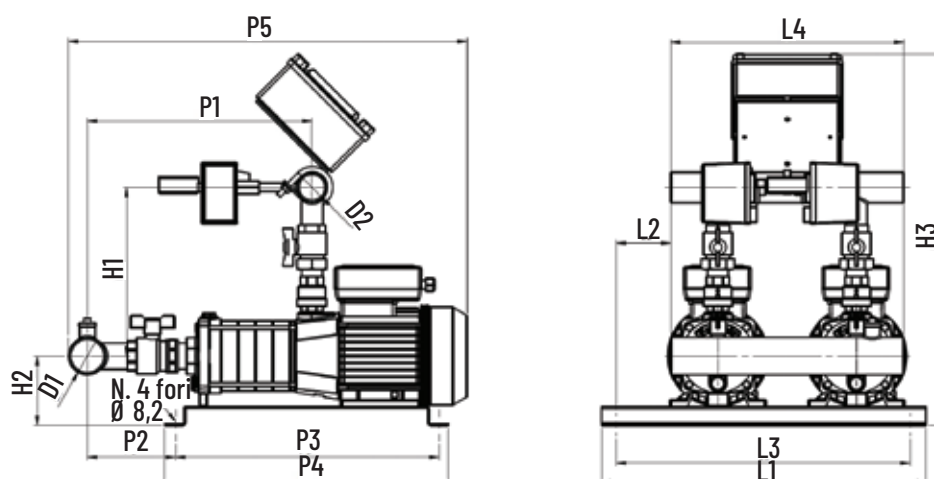
Three phase - DHR 2



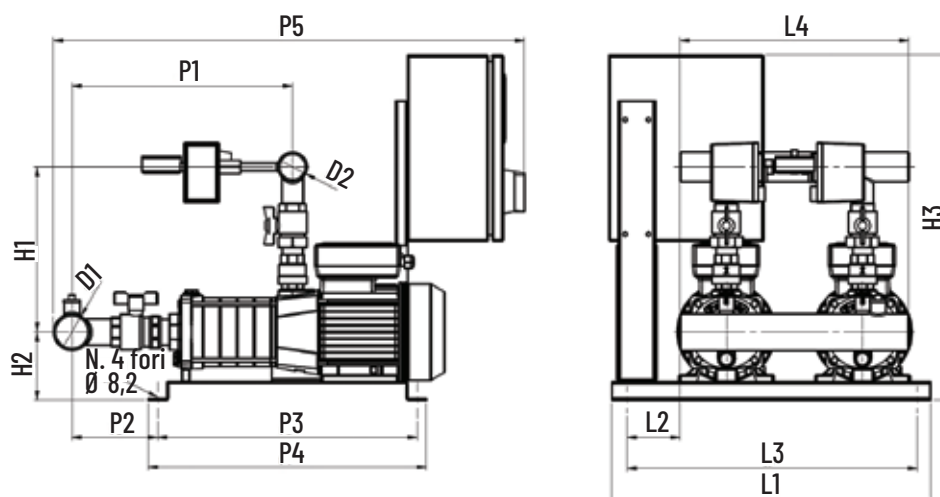
EASYBOOST - DHR 2/4

BOOSTER SETS - FIX SPEED

Single phase - DHR 4



Three phase - DHR 4



EASYBOOST - DHR 2/4

BOOSTER SETS - FIX SPEED

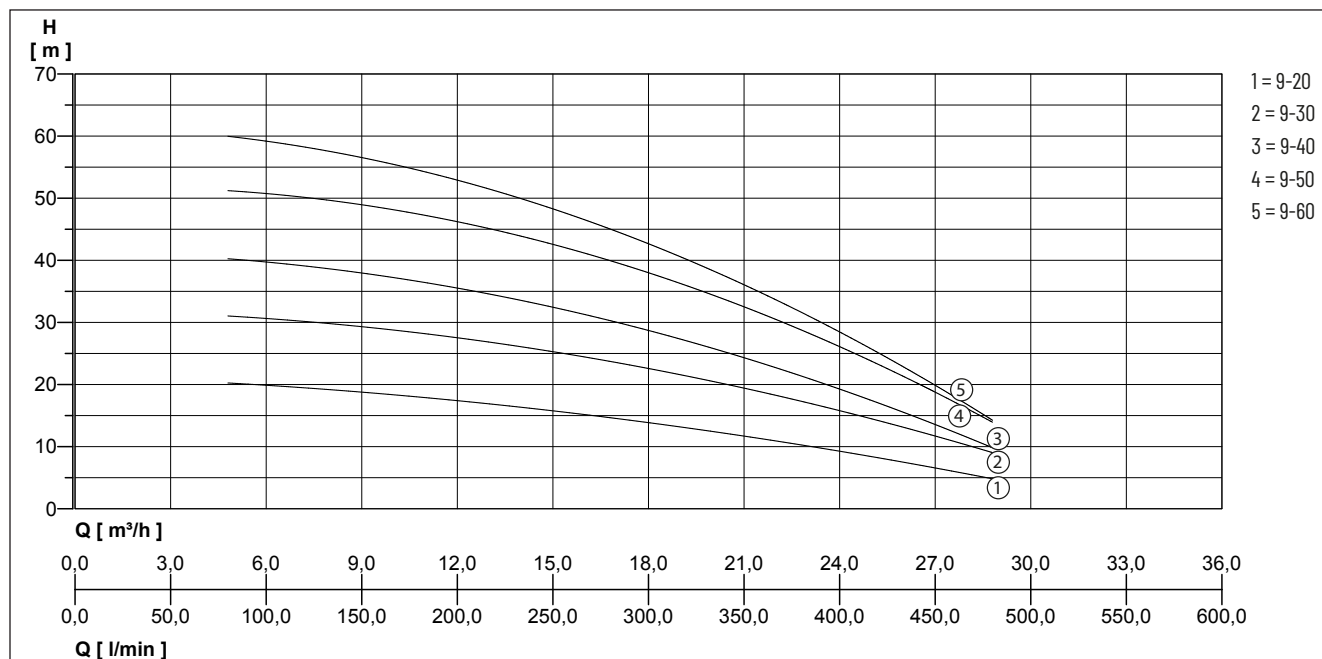
DIMENSIONS [mm]

Type	L1	L2	L3	L4	L5	P1	P2	P3	P4	P5	H1	H2	H3	D1	D2
EASY20/DHR2 30M-GI	515	95	485	370		239	35	420	450	493	265	100	578	1 1/2"	1 1/2"
EASY20/DHR2 30T-GI	515	95	485	370	520	239	35	420	450	651	265	100	560	1 1/2"	1 1/2"
EASY20/DHR2 50M-GI	515	95	485	370		275	68	420	450	527	265	100	578	1 1/2"	1 1/2"
EASY20/DHR2 50T-GI	515	95	485	370	520	275	68	420	450	685	265	100	560	1 1/2"	1 1/2"
EASY20/DHR4 20M-GI	515	95	485	370		276	69	420	450	505	265	100	580	2"	1 1/2"
EASY20/DHR4 20T-GI	515	95	485	370	520	276	69	420	450	687	265	100	560	2"	1 1/2"
EASY20/DHR4 30M-GI	515	95	485	370		276	69	420	450	505	265	100	580	2"	1 1/2"
EASY20/DHR4 30T-GI	515	95	485	370	520	276	69	420	450	687	265	100	560	2"	1 1/2"
EASY20/DHR4 40M-GI	515	95	485	370		303	96	420	450	531	265	100	580	2"	1 1/2"
EASY20/DHR4 40T-GI	515	95	485	370	520	303	96	420	450	714	265	100	560	2"	1 1/2"
EASY20/DHR4 50M-GI	515	95	485	370		330	123	420	450	558	265	100	580	2"	1 1/2"
EASY20/DHR4 50T-GI	515	95	485	370	520	330	123	420	450	740	265	100	560	2"	1 1/2"
EASY20/DHR4 60M-GI	515	95	485	370		357	138	420	450	632	267	110	590	2"	1 1/2"
EASY20/DHR4 60T-GI	515	95	485	370	520	357	138	420	450	762	267	110	560	2"	1 1/2"

EASYBOOST - DHR 9

BOOSTER SETS - FIX SPEED

PERFORMANCE



We reserve the right to change specifications without notice. Pump performance is subject to ISO 9906 ISO 9906:2012 - Grade 3B tolerances.

Type	Flow rate Q [m³/h]	4.8	9.6	14.4	19.2	24	28.8
EASY20/DHR9 20M-GI/20T-GI	Delivery head H [m]	20	19	16	13	9	5
EASY20/DHR9 30M-GI/30T-GI		31	29	26	21	16	9
EASY20/DHR9 40M-GI/40T-GI		40	38	33	27	19	10
EASY20/DHR9 50M-GI/50T-GI		51	49	43	36	26	14
EASY20/DHR9 60T-GI		60	56	49	40	29	14

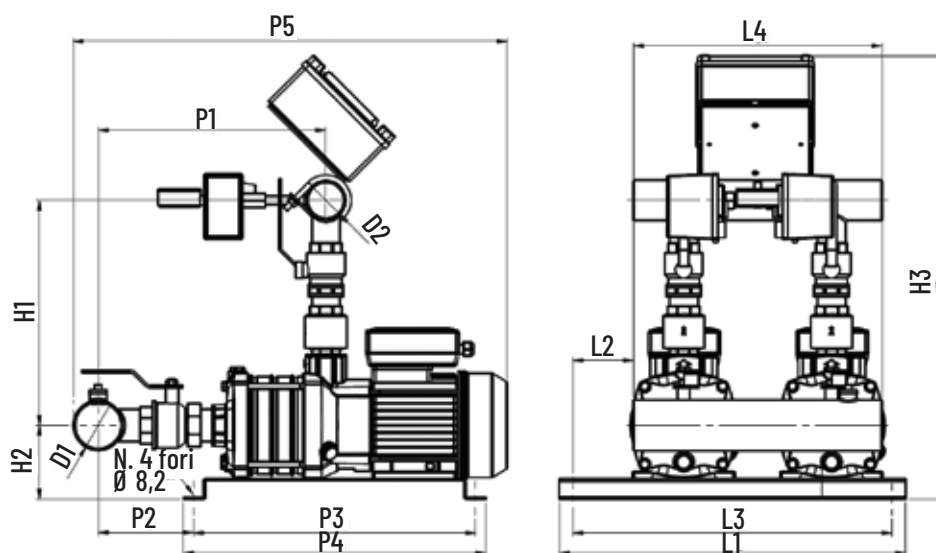
EASYBOOST - DHR 9

Type	Code No.	Voltage	Motor rating 2xP2	Type of en- closure	Ambient tem- perature max.	Operating pres- sure max.	Weight
EASY20/DHR9 20M-GI	UP930000-EB	1/N/PE~230 V	0.65 kW	IP 55	50 °C	10 bar	54 kg
EASY20/DHR9 20T-GI	UP940000-EB	3/N/PE~400 V	0.65 kW	IP 55	50 °C	10 bar	54 kg
EASY20/DHR9 30M-GI	UP930100-EB	1/N/PE~230 V	0.95 kW	IP 55	50 °C	10 bar	55 kg
EASY20/DHR9 30T-GI	UP940100-EB	3/N/PE~400 V	0.95 kW	IP 55	50 °C	10 bar	55 kg
EASY20/DHR9 40M-GI	UP930200-EB	1/N/PE~230 V	1.30 kW	IP 55	50 °C	10 bar	57 kg
EASY20/DHR9 40T-GI	UP940200-EB	3/N/PE~400 V	1.30 kW	IP 55	50 °C	10 bar	57 kg
EASY20/DHR9 50M-GI	UP930300-EB	1/N/PE~230 V	1.60 kW	IP 55	50 °C	10 bar	62 kg
EASY20/DHR9 50T-GI	UP940300-EB	3/N/PE~400 V	1.60 kW	IP 55	50 °C	10 bar	62 kg
EASY20/DHR9 60T-GI	UP940400-EB	3/N/PE~400 V	1.90 kW	IP 55	50 °C	10 bar	65 kg

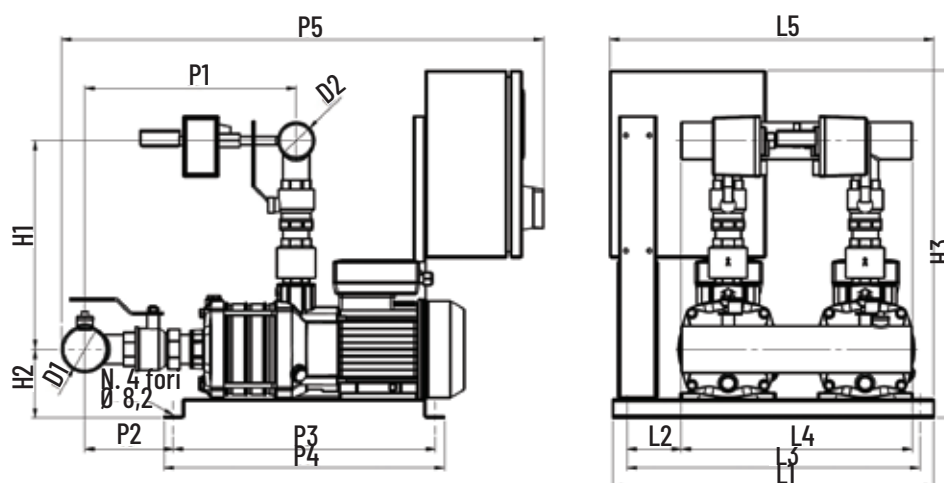
EASYBOOST - DHR 9

BOOSTER SETS - FIX SPEED

Single phase



Three phase



EASYBOOST - DHR 9

BOOSTER SETS - FIX SPEED

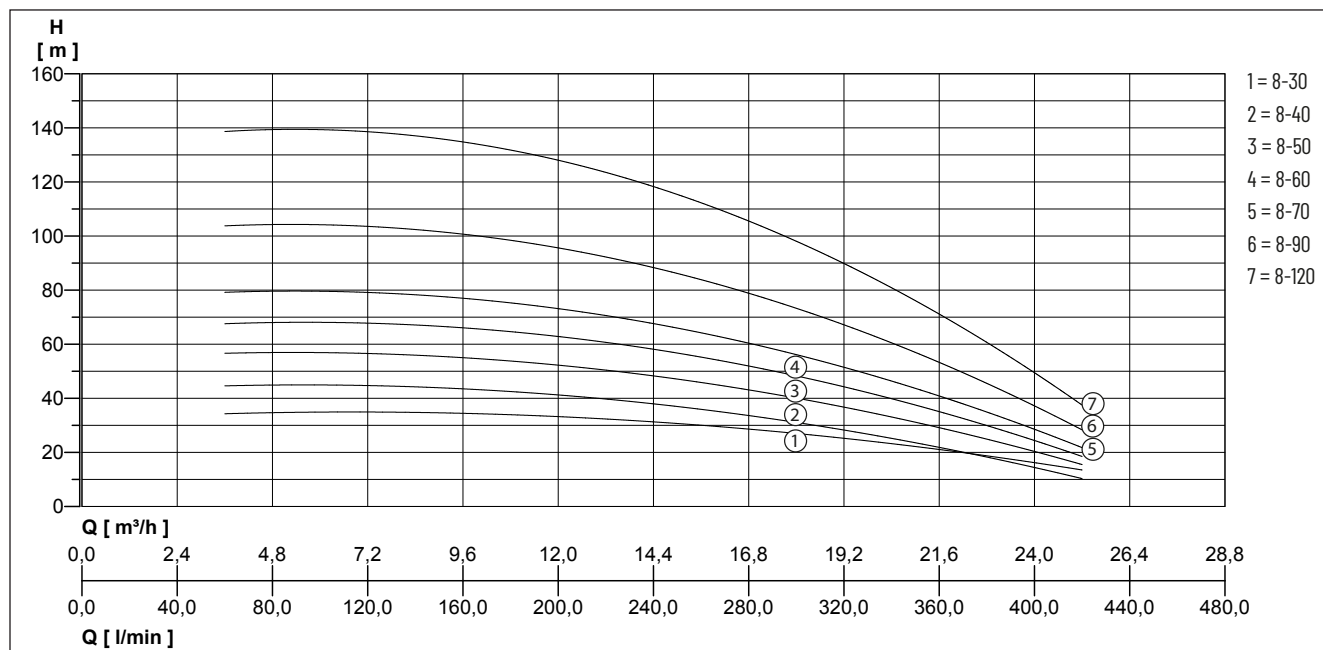
DIMENSIONS [mm]

Type	L1	L2	L3	L4	L5	P1	P2	P3	P4	P5	H1	H2	H3	D1	D2
EASY20/DHR9 20M-GI	515	95	485	370		280	82	420	450	588	110	335	660	2 1/2"	2"
EASY20/DHR9 20T-GI	515	95	485	370	520	280	82	420	450	713	110	335	560	2 1/2"	2"
EASY20/DHR9 30M-GI	515	95	485	370		280	82	420	450	588	110	335	660	2 1/2"	2"
EASY20/DHR9 30T-GI	515	95	485	370	520	280	82	420	450	713	110	335	560	2 1/2"	2"
EASY20/DHR9 40M-GI	515	95	485	370		310	112	420	450	618	110	335	660	2 1/2"	2"
EASY20/DHR9 40T-GI	515	95	485	370	520	310	112	420	450	743	110	335	560	2 1/2"	2"
EASY20/DHR9 50M-GI	515	95	485	370		340	142	420	450	648	110	335	660	2 1/2"	2"
EASY20/DHR9 50T-GI	515	95	485	370	520	340	142	420	450	773	110	335	560	2 1/2"	2"
EASY20/DHR9 60T-GI	515	95	485	370	520	370	172	420	450	803	110	335	560	2 1/2"	2"

EASYBOOST 20 MULTINOX VE +

BOOSTER SETS - FIX SPEED

PERFORMANCE



We reserve the right to change specifications without notice. Pump performance is subject to ISO 9906 ISO 9906:2012 - Grade 3B tolerances.

Type	Flow rate Q [m³/h]	0	3.6	7.2	10.8	14.4	18	21.6	25.2
EASY20 MULTINOX VE+ 8-30 M/T GI	Delivery head H [m]	36	35	35	33	30	25	28	10
EASY20 MULTINOX VE+ 8-40 M/T GI		46	45	44	42	39	32	20	11
EASY20 MULTINOX VE+ 8-50 M/T GI		57	57	56	53	50	40	28	16
EASY20 MULTINOX VE+ 8-60 T GI		69	68	67	64	60	48	34	19
EASY20 MULTINOX VE+ 8-70 T GI		80	80	78	74	70	56	40	22
EASY20 MULTINOX VE+ 8-90 T GI		105	104	103	98	90	73	52	29
EASY20 MULTINOX VE+ 8-120 T GI		140	139	138	131	120	98	70	38

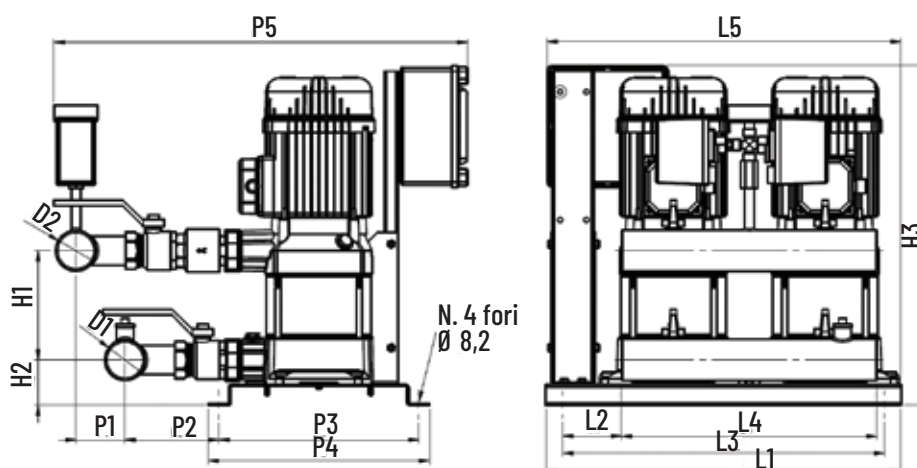
EASYBOOST 20 MULTINOX VE +

Type	Code No.	Voltage	Motor rating 2xP2	Type of enclosure	Ambient temperature max.	Operating pressure max.	Weight
EASY20 MULTINOX VE+ 8-30 M GI	UPG01030-EB	1/N/PE~230 V	1.0 kW	IP 44	50 °C	14 bar	69 kg
EASY20 MULTINOX VE+ 8-30 T GI	UPG11030-EB	3/N/PE~400 V	1.0 kW	IP 44	50 °C	14 bar	75 kg
EASY20 MULTINOX VE+ 8-40 M GI	UPG01040-EB	1/N/PE~230 V	1.2 kW	IP 44	50 °C	14 bar	73 kg
EASY20 MULTINOX VE+ 8-40 T GI	UPG11040-EB	3/N/PE~400 V	1.2 kW	IP 44	50 °C	14 bar	79 kg
EASY20 MULTINOX VE+ 8-50 M GI	UPG01050-EB	1/N/PE~230 V	1.5 kW	IP 44	50 °C	14 bar	77 kg
EASY20 MULTINOX VE+ 8-50 T GI	UPG11050-EB	3/N/PE~400 V	1.5 kW	IP 44	50 °C	14 bar	83 kg
EASY20 MULTINOX VE+ 8-60 T GI	UPG11060-EB	3/N/PE~400 V	1.7 kW	IP 44	50 °C	14 bar	87 kg
EASY20 MULTINOX VE+ 8-70 T GI	UPG11070-EB	3/N/PE~400 V	1.9 kW	IP 44	50 °C	14 bar	91 kg
EASY20 MULTINOX VE+ 8-90 T GI	UPG11090-EB	3/N/PE~400 V	3.0 kW	IP 44	50 °C	14 bar	109 kg
EASY20 MULTINOX VE+ 8-120 T GI	UPG11120-EB	3/N/PE~400 V	4.0 kW	IP 44	50 °C	14 bar	115 kg

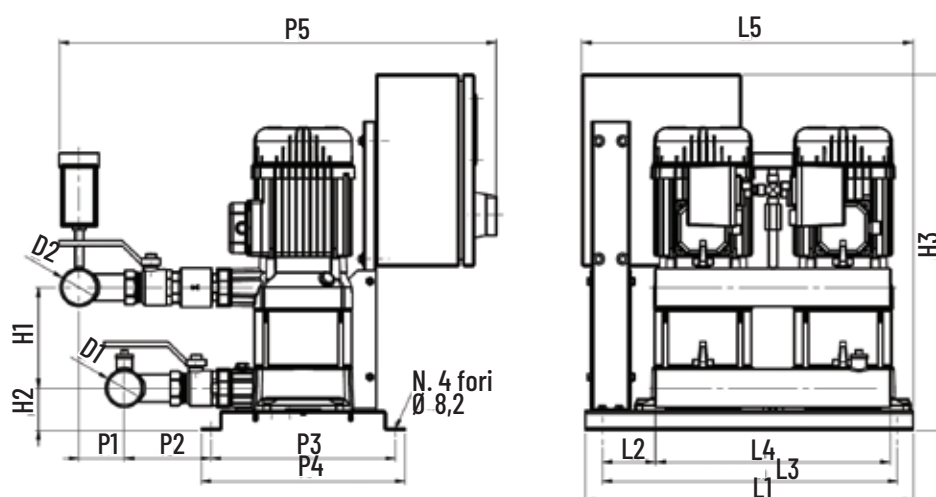
EASYBOOST 20 MULTINOX VE +

BOOSTER SETS - FIX SPEED

Single phase



Three phase



EASYBOOST 20 MULTINOX VE +

BOOSTER SETS - FIX SPEED

DIMENSIONS [mm]

Type	L1	L2	L3	L4	L5	P1	P2	P3	P4	P5	H1	H2	H3	D1	D2
EASY20 MULTINOX VE+ 8-30 M GI	515	95	485	370	520	71	138	290	320	675	130	64	510	2"	2"
EASY20 MULTINOX VE+ 8-30 T GI	515	95	485	370	520	71	138	290	320	690	130	64	560	2"	2"
EASY20 MULTINOX VE+ 8-40 M GI	515	95	485	370	520	71	138	290	320	675	157	64	510	2"	2"
EASY20 MULTINOX VE+ 8-40 T GI	515	95	485	370	520	71	138	290	320	690	157	64	560	2"	2"
EASY20 MULTINOX VE+ 8-50 M GI	515	95	485	370	520	71	138	290	320	675	184	64	510	2"	2"
EASY20 MULTINOX VE+ 8-50 T GI	515	95	485	370	520	71	138	290	320	690	184	64	560	2"	2"
EASY20 MULTINOX VE+ 8-60 T GI	515	95	485	370	520	71	138	290	320	690	211	64	560	2"	2"
EASY20 MULTINOX VE+ 8-70 T GI	515	95	485	370	520	71	138	290	320	690	238	64	560	2"	2"
EASY20 MULTINOX VE+ 8-90 T GI	515	95	485	370	520	71	138	290	320	690	292	64	750	2"	2"
EASY20 MULTINOX VE+ 8-120 T GI	515	95	485	370	520	71	138	290	320	690	292	64	750	2"	2"

PRESSOMAT

BOOSTER SETS - FIX SPEED

- High hydraulic efficiency
- Sturdy and resistant
- Piping in stainless steel AISI 304
- Compact



DESCRIPTION

These are automatic pressure booster set for the pressurization of distribution networks with single phase and three-phase power supply.

The pumps are controlled by two differential pressure switches with adjustable settings, via an electrical panel with an analogue electronic board for:

- the sequential start-up of the pumps
- the inversion of the start-up order
- timer settable from 0 to 180», only for the three-phase version
- protection against dry running

When the network pressure reaches the value for the closing of the electrical contact of pressure switch n.1, a pump starts.

If the pressure continues to fall, when the closing value of the second pressure switch is reached, the second pump is started up.

When the value of the network pressure increases, the pressure switches open their contact causing the relative pump to stop.

At the end of each cycle, the automatic inverter changes the starting order of the pumps (once pressure switch n.1 is associated to pump n.1; in the next cycle to pump n.2).

If the two pressure switches close at the same time, the electronic board will delay the start-up of the second pump avoiding abrupt changes in pressure and the overload of the power supply.

MECHANICAL DATA

Operating pressure max.	16 bar	Temperature of the liquid max.	40 °C
Type of liquid	clean water without suspended solids or abrasive material		

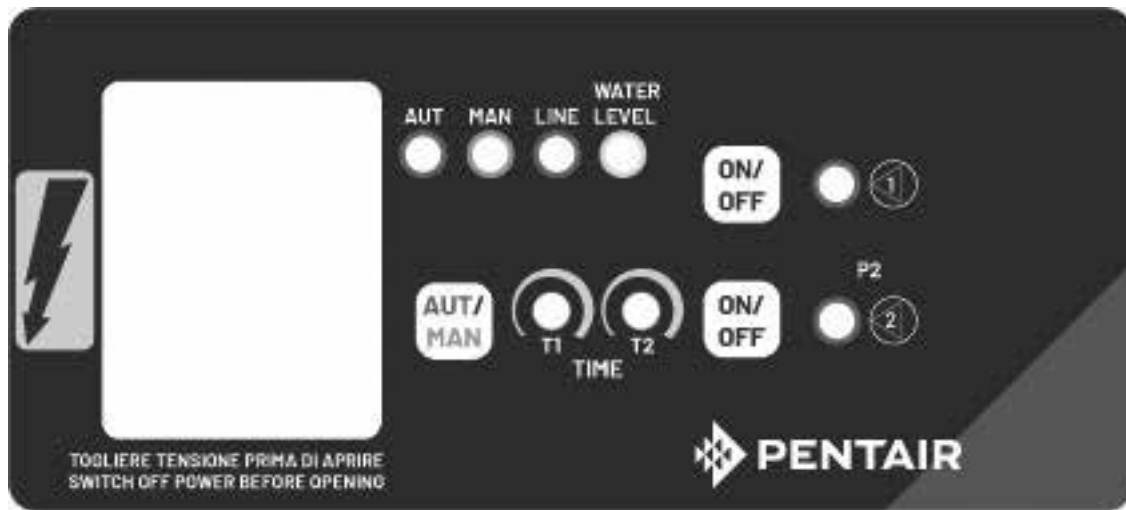
ELECTRICAL DATA

Type of enclosure	IP 55	Ambient temperature max.	50 °C
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PRESSOMAT

BOOSTER SETS - FIX SPEED

SINGLE PHASE ELECTRICAL PANEL



Electrical panel

- Box in plastic material IP55
- Main circuit breaker
- Electronic control panel with manual - automatic buttons for each pump
- SML electronic board
- Pump start-up relay

Main functions

- Cyclic inversion of the start-up order of the pumps after each cycle end
- ON/OFF control of the level of the tank or the pressure of the supply duct by means of a float switch or a different differential pressure switch.

Signals and controls

- LED indicating the presence of power
- LED indicating the low water level in the tank or an insufficient pressure in the supply duct (aqueduct)
- LED indicating the operation of each pump

External control devices

- Two adjustable differential pressure switches ON/OFF
- ON/OFF float switch, located in the water collection tank, or
- Reverse pressure switch inserted in the water supply duct (aqueduct)

PRESSOMAT

BOOSTER SETS - FIX SPEED

THREE PHASE ELECTRICAL PANEL



Electrical panel

- Box in metal IP54
- Main switch
- Keyboard with electronic board SA
- Fuses, contactor and thermal relay for each pump
- Transformer with fuses for the auxiliary circuit
- M-0-T switch for each pump
- Star-delta starter for motors above 7.5 kW

Main functions

- Cyclic inversion of the start-up order of the pumps after each cycle end
- ON/OFF control of the level of the tank or the pressure of the supply duct by means of a float switch or a different differential pressure switch
- Timer of the pumps settable from 0 to 180 seconds, after the opening of the pressure switch operation contact

Signals and controls

- LED indicating the presence of power
- LED indicating the low water level in the tank or an insufficient pressure in the supply duct (aqueduct)
- LED indicating the operation of each pump
- LED indicating that one of the two thermal relays has tripped because of an overload
- LED indicating manual or automatic operation
- Buttons to select manual or automatic control
- Buttons to start or stop each pump (manual operation)

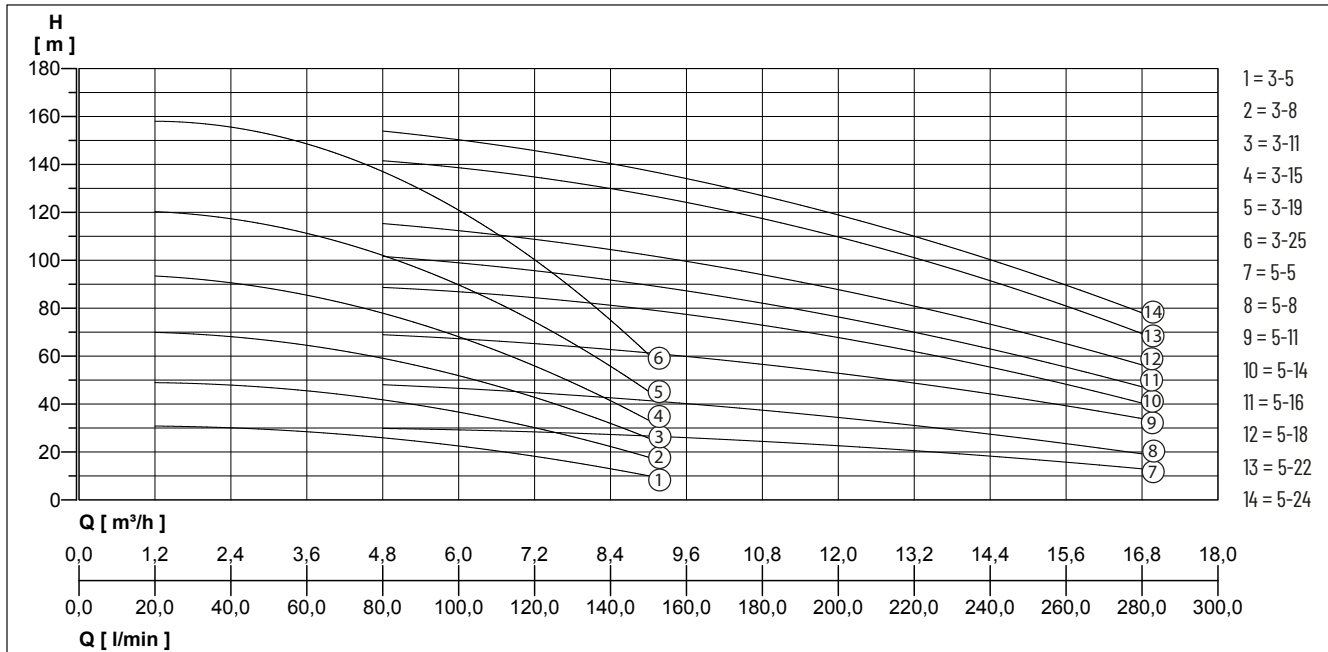
External control devices

- Two adjustable differential pressure switches ON/OFF
- ON/OFF float switch, located in the water collection tank, or
- 3 electrodes for the electronic control of the level of the tank, or
- Reverse pressure switch inserted in the water supply duct (aqueduct)

PRESSOMAT PM 20 PVM 3 - 5

BOOSTER SETS - FIX SPEED

PERFORMANCE



We reserve the right to change specifications without notice. Pump performance is subject to ISO 9906 ISO 9906:2012 - Grade 3B tolerances.

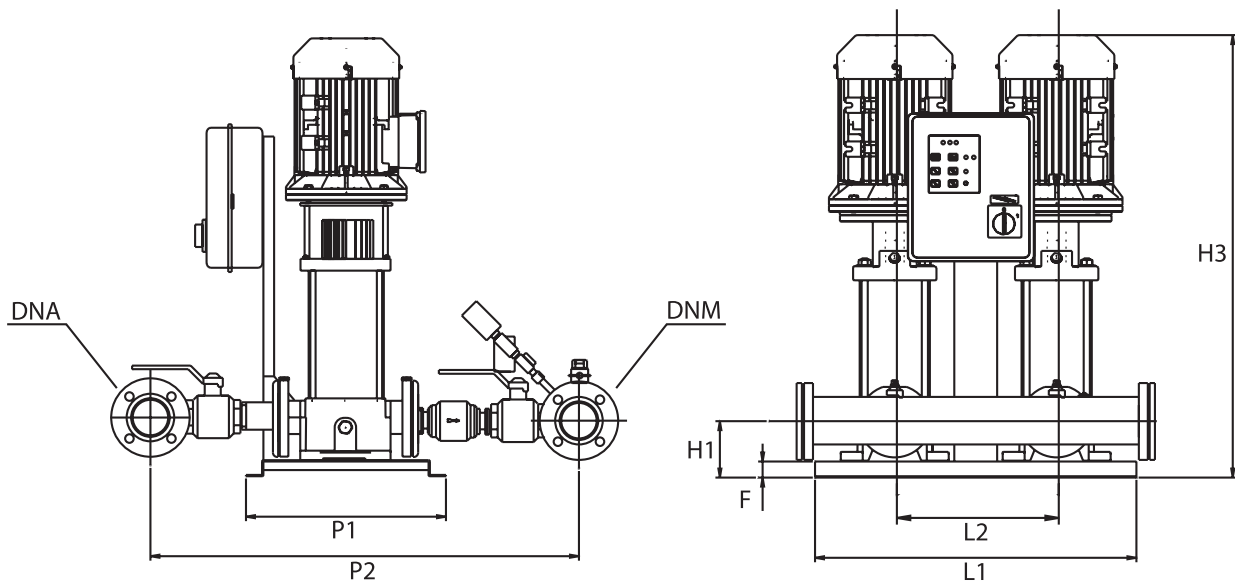
Type	Flow rate Q [m^3/h]	0	1	2	4	4.8	5	6	7	7.2	8	9	9.6	12	14.4	16.8
PMD20 PVM 3-5 F	Delivery head H [m]	40	31	30	28		26	23	18		13	10				
PMS20/PMD20 PVM 3-8 F		50	49	48	45		42	37	30		22	18				
PMS20/PMD20 PVM 3-11 F		72	70	68	64		60	52	42		32	26				
PMS20/PMD20 PVM 3-15 F		97	94	90	85		78	68	57		41	33				
PMS20/PMD20 PVM 3-19 F		123	121	117	110		102	90	76		55	45				
PMD20 PVM 3-25 F		165	157	156	150		138	120	98		75	62				
PMS20/PMD20 PVM 5-5 F		32				30				28			26	23	18	13
PMS20/PMD20 PVM 5-8 F		52				48				45			40	34	28	19
PMD20 PVM 5-11 F		74				69				65			60	53	44	34
PMD20 PVM 5-14 F		93				89				84			77	68	56	40
PMD20 PVM 5-16 F		107				102				95			87	77	63	47
PMD20 PVM 5-18 F		120				115				109			100	88	72	57
PMD20 PVM 5-22 F		148				142				134			124	110	92	69
PMD20 PVM 5-24 F		164				154				146			133	120	100	78

PRESSOMAT PM 20 PVM 3 - 5

BOOSTER SETS - FIX SPEED

PRESSOMAT PM 20 PVM 3 - 5

Type	Code No.	Voltage	Motor rating 2xP2	Weight
PMD20 PVM 3-5 F	UP460000	3/N/PE~400 V	0.37 kW	72 kg
PMS20 PVM 3-8 F	UP450010	1/N/PE~230 V	0.75 kW	68 kg
PMD20 PVM 3-8 F	UP460010	3/N/PE~400 V	0.75 kW	74 kg
PMS20 PVM 3-11 F	UP450020	1/N/PE~230 V	1.10 kW	74 kg
PMD20 PVM 3-11 F	UP460020	3/N/PE~400 V	1.10 kW	80 kg
PMS20 PVM 3-15 F	UP450030	1/N/PE~230 V	1.10 kW	89 kg
PMD20 PVM 3-15 F	UP460030	3/N/PE~400 V	1.10 kW	95 kg
PMS20 PVM 3-19 F	UP450040	1/N/PE~230 V	1.50 kW	100 kg
PMD20 PVM 3-19 F	UP460040	3/N/PE~400 V	1.50 kW	106 kg
PMD20 PVM 3-25 F	UP460050	3/N/PE~400 V	2.20 kW	122 kg
PMS20 PVM 5-5 F	UP450060	1/N/PE~230 V	0.75 kW	62 kg
PMD20 PVM 5-5 F	UP460060	3/N/PE~400 V	0.75 kW	72 kg
PMS20 PVM 5-8 F	UP450070	1/N/PE~230 V	1.10 kW	70 kg
PMD20 PVM 5-8 F	UP460070	3/N/PE~400 V	1.10 kW	78 kg
PMD20 PVM 5-11 F	UP460080	3/N/PE~400 V	2.20 kW	83 kg
PMD20 PVM 5-14 F	UP460090	3/N/PE~400 V	2.20 kW	90 kg
PMD20 PVM 5-16 F	UP460100	3/N/PE~400 V	2.20 kW	95 kg
PMD20 PVM 5-18 F	UP460110	3/N/PE~400 V	3.00 kW	100 kg
PMD20 PVM 5-22 F	UP460120	3/N/PE~400 V	4.00 kW	110 kg
PMD20 PVM 5-24 F	UP460130	3/N/PE~400 V	4.00 kW	115 kg



PRESSOMAT PM 20 PVM 3 - 5

BOOSTER SETS - FIX SPEED

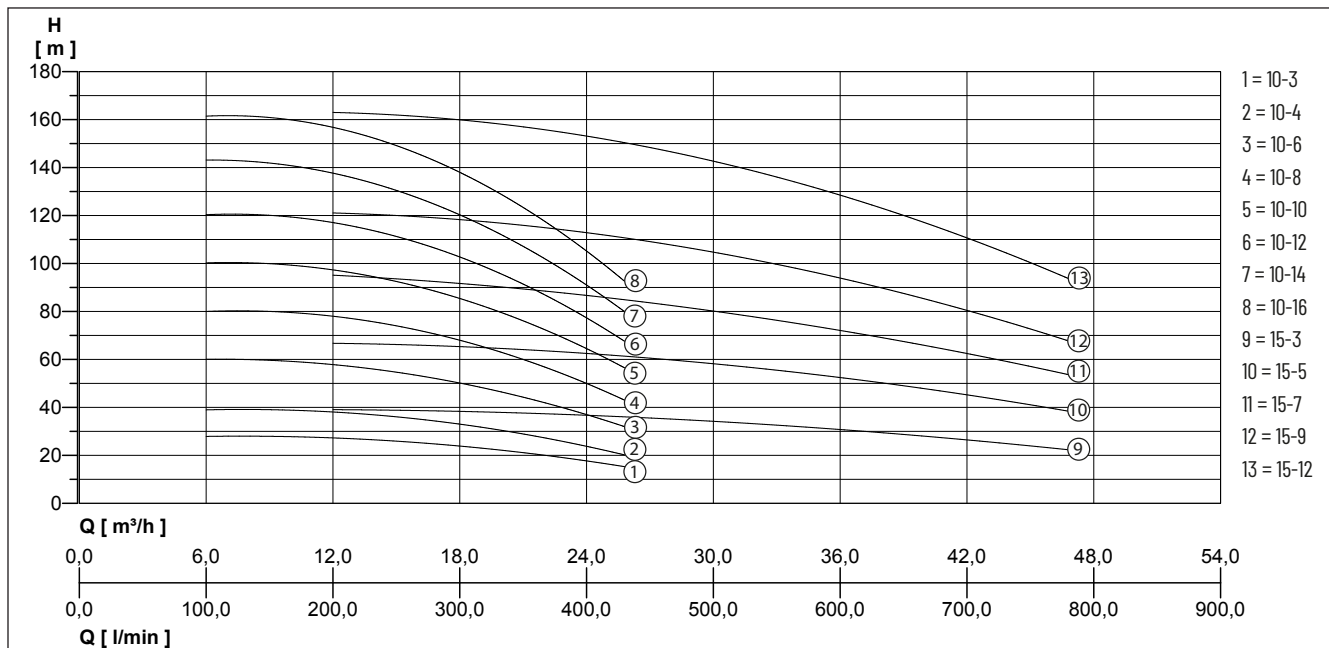
DIMENSIONS [mm]

Type	F	L1	L2	P1	P2	H1	H2	H3	DNA	DNM
PMD20 PVM 3-5 F	30	600	370	320	620	80	775	510	2"	2"
PMS20/PMD20 PVM 3-8 F	30	600	370	320	620	80	775	610	2"	2"
PMS20/PMD20 PVM 3-11 F	30	600	370	320	620	80	775	664	2"	2"
PMS20/PMD20 PVM 3-15 F	30	600	370	320	620	80	775	736	2"	2"
PMS20/PMD20 PVM 3-19 F	30	600	370	320	620	80	775	880	2"	2"
PMD20 PVM 3-25 F	30	600	370	320	620	80	775	988	2"	2"
PMS20/PMD20 PVM 5-5 F	30	600	370	320	620	80	775	601	2"	2"
PMS20/PMD20 PVM 5-8 F	30	600	370	320	620	80	775	682	2"	2"
PMD20 PVM 5-11 F	30	600	370	320	620	80	775	835	2"	2"
PMD20 PVM 5-14 F	30	600	370	320	620	80	775	916	2"	2"
PMD20 PVM 5-16 F	30	600	370	320	620	80	775	970	2"	2"
PMD20 PVM 5-18 F	30	600	370	320	620	80	775	1053	2"	2"
PMD20 PVM 5-22 F	30	600	370	320	620	80	775	1171	2"	2"
PMD20 PVM 5-24 F	30	600	370	320	620	80	775	1225	2"	2"

PRESSOMAT PM 20 PVM 10 - 15

BOOSTER SETS - FIX SPEED

PERFORMANCE



We reserve the right to change specifications without notice. Pump performance is subject to ISO 9906 ISO 9906:2012 - Grade 3B tolerances.

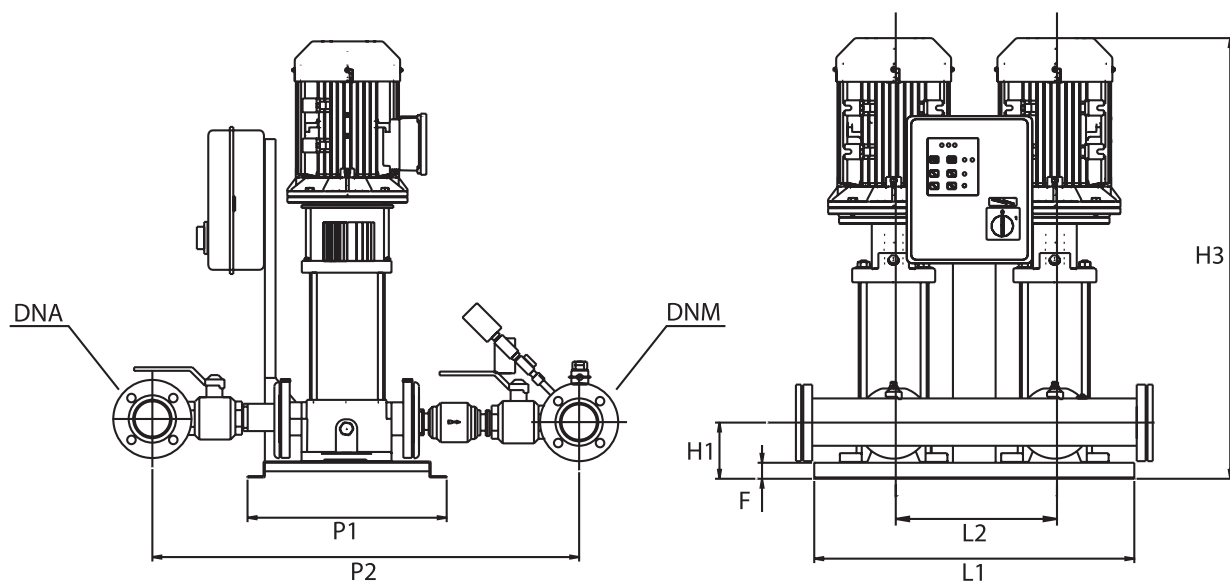
Type	Flow rate Q [m³/h]	0	6	12	18	24	26	36	42	47
PMS20/PMD20 PVM 10-3 F	Delivery head H [m]	28.0	28.0	27.0	24.0	18.0	15.0			
PMS20/PMD20 PVM 10-4 F		39.0	39.0	38.0	33.0	24.0	20.0			
PMD20 PVM 10-6 F		60.0	60.0	58.0	50.0	37.0	32.0			
PMD20 PVM 10-8 F		80.0	80.0	78.0	68.0	50.0	43.0			
PMD20 PVM 10-10 F		100.0	100.0	98.0	85.0	64.0	57.0			
PMD20 PVM 10-12 F		120.0	120.0	118.0	102.0	77.0	68.0			
PMD20 PVM 10-14 F		142.0	143.0	138.0	120.0	91.0	80.0			
PMD20 PVM 10-16 F		160.0	161.0	158.0	137.0	105.0	93.0			
PMD20 PVM 15-3 F		39.8		39.2		36.3		31.0	26.8	22.0
PMD20 PVM 15-5 F		68.0		66.9		62.0		52.7	45.7	38.0
PMD20 PVM 15-7 F		97.0		95.0		87.0		72.0	62.0	54.0
PMD20 PVM 15-9 F		124.0		121.0		113.0		94.0	80.0	68.0
PMY20 PVM 15-12 F		166.0		163.0		153.0		129.0	110.0	94.0

PRESSOMAT PM 20 PVM 10 - 15

Type	Code No.	Voltage	Motor rating 2xP2	Weight
PMS20 PVM 10-3 F	UP450110	1/N/PE~230 V	1.1 kW	116 kg
PMD20 PVM 10-3 F	UP460140	3/N/PE~400 V	1.1 kW	106 kg
PMS20 PVM 10-4 F	UP450120	1/N/PE~230 V	1.5 kW	126 kg
PMD20 PVM 10-4 F	UP460150	3/N/PE~400 V	1.5 kW	114 kg
PMD20 PVM 10-6 F	UP460160	3/N/PE~400 V	2.2 kW	120 kg
PMD20 PVM 10-8 F	UP460170	3/N/PE~400 V	3.0 kW	136 kg
PMD20 PVM 10-10 F	UP460180	3/N/PE~400 V	4.0 kW	146 kg
PMD20 PVM 10-12 F	UP460190	3/N/PE~400 V	4.0 kW	160 kg
PMD20 PVM 10-14 F	UP460200	3/N/PE~400 V	5.5 kW	170 kg
PMD20 PVM 10-16 F	UP460210	3/N/PE~400 V	5.5 kW	180 kg
PMD20 PVM 15-3 F	UP460220	3/N/PE~400 V	3.0 kW	175 kg
PMD20 PVM 15-5 F	UP460230	3/N/PE~400 V	4.0 kW	200 kg
PMD20 PVM 15-7 F	UP460240	3/N/PE~400 V	5.5 kW	220 kg
PMD20 PVM 15-9 F	UP460250	3/N/PE~400 V	7.5 kW	250 kg
PMY20 PVM 15-12 F	UP460260	3/N/PE~400 V	11.0 kW	270 kg

PRESSOMAT PM 20 PVM 10 - 15

BOOSTER SETS - FIX SPEED



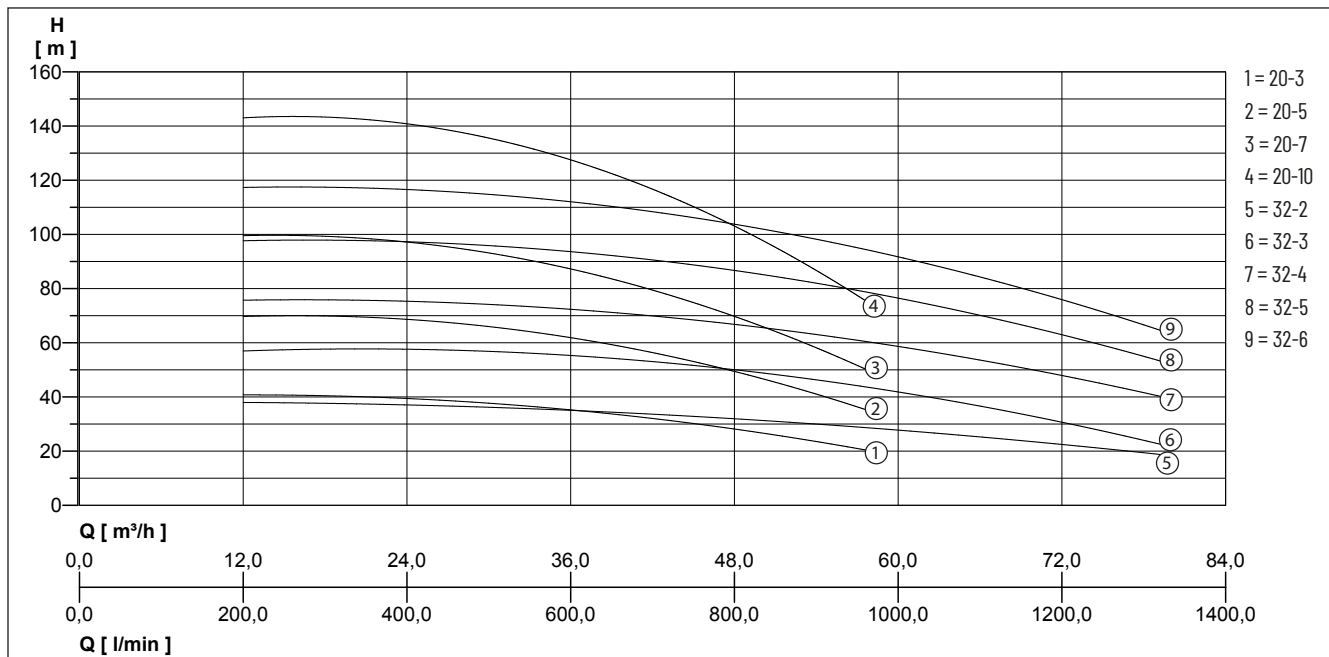
DIMENSIONS [mm]

Type	F	L1	L2	P1	P2	H1	H2	H3	DNA	DNM
PMS20/PMD20 PVM 10-3 F	30	620	370	320	720	120	775	612	2 1/2"	2 1/2"
PMS20/PMD20 PVM 10-4 F	30	620	370	320	720	120	775	714	2 1/2"	2 1/2"
PMD20 PVM 10-6 F	30	620	370	320	720	120	775	774	2 1/2"	2 1/2"
PMD20 PVM 10-8 F	30	680	370	320	720	120	775	864	2 1/2"	2 1/2"
PMD20 PVM 10-10 F	30	680	370	320	720	120	775	934	2 1/2"	2 1/2"
PMD20 PVM 10-12 F	30	680	370	320	720	120	775	994	2 1/2"	2 1/2"
PMD20 PVM 10-14 F	30	680	370	320	720	120	775	1122	2 1/2"	2 1/2"
PMD20 PVM 10-16 F	30	680	370	320	720	120	775	1182	2 1/2"	2 1/2"
PMD20 PVM 15-3 F	30	620	370	380	860	120		781	3"	2 1/2"
PMD20 PVM 15-5 F	30	620	370	380	860	120		881	3"	2 1/2"
PMD20 PVM 15-7 F	30	620	370	380	860	120		1039	3"	2 1/2"
PMD20 PVM 15-9 F	30	620	370	380	860	120		1165	3"	2 1/2"
PMY20 PVM 15-12 F	30	620	370	380	860	120		1484	3"	2 1/2"

PRESSOMAT PM 20 PVM 20 - 32

BOOSTER SETS - FIX SPEED

PERFORMANCE



We reserve the right to change specifications without notice. Pump performance is subject to ISO 9906 ISO 9906:2012 - Grade 3B tolerances.

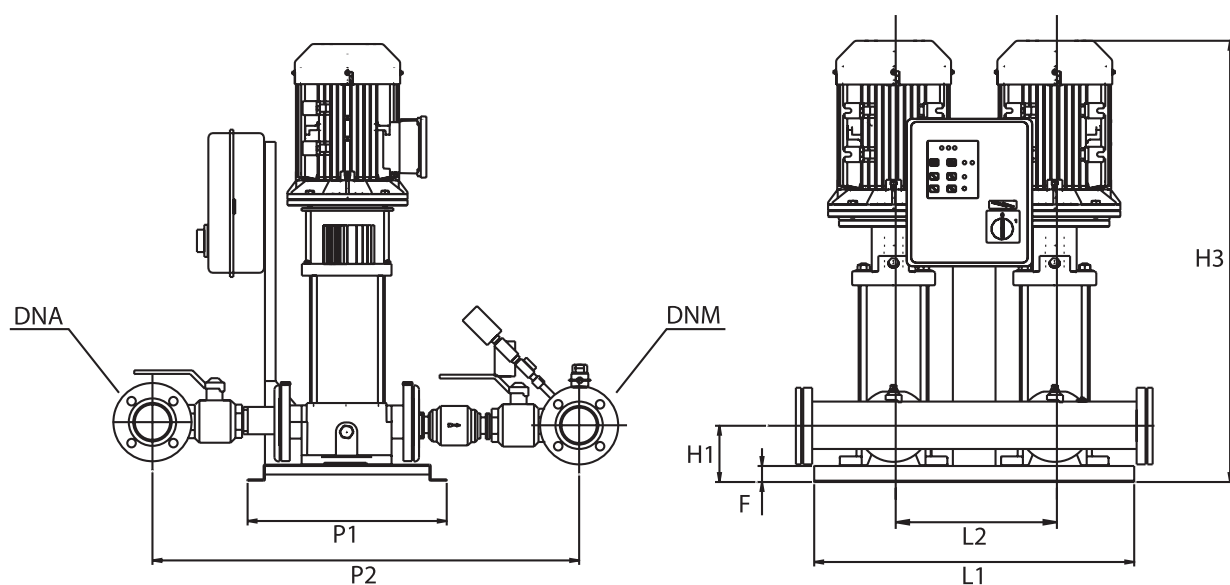
Type	Flow rate Q [m^3/h]	0	12	24	36	48	57.6	60	72	79.2
PMD20 PVM 20-3 F	Delivery head H [m]	42	41	39	35	29	20			
PMD20 PVM 20-5 F		72	70	68	62	50	35			
PMD20 PVM 20-7 F		101	100	96	88	70	50			
PMY20 PVM 20-10 F		146	144	139	127	106	74			
PMD20 PVM 32-2 F		39	38	37	35	32		28	22	19
PMD20 PVM 32-3 F		58	58	57	54	49		43	35	30
PMD20 PVM 32-4 F		76	76	75	72	67		59	48	40
PMY20 PVM 32-5 F		98	98	97	93	87		77	63	53
PMY20 PVM 32-6 F		117	118	116	111	104		93	76	64

PRESSOMAT PM 20 PVM 20 - 32

Type	Code No.	Voltage	Motor rating 2xP2	Weight
PMD20 PVM 20-3 F	UP460270	3/N/PE~400 V	4.0 kW	181 kg
PMD20 PVM 20-5 F	UP460280	3/N/PE~400 V	5.5 kW	220 kg
PMD20 PVM 20-7 F	UP460290	3/N/PE~400 V	7.5 kW	232 kg
PMY20 PVM 20-10 F	UP460300	3/N/PE~400 V	11.0 kW	260 kg
PMD20 PVM 32-2 F	UP460310	3/N/PE~400 V	4.0 kW	330 kg
PMD20 PVM 32-3 F	UP460320	3/N/PE~400 V	5.5 kW	350 kg
PMD20 PVM 32-4 F	UP460330	3/N/PE~400 V	7.5 kW	370 kg
PMY20 PVM 32-5 F	UP460340	3/N/PE~400 V	11.0 kW	390 kg
PMY20 PVM 32-6 F	UP460350	3/N/PE~400 V	11.0 kW	410 kg

PRESSOMAT PM 20 PVM 20 - 32

BOOSTER SETS - FIX SPEED



DIMENSIONS [mm]

Type	F	L1	L2	P1	P2	H1	H3	DNA	DNM
PMD20 PVM 20-3 F	30	620	370	380	860	120	795	3"	2 1/2"
PMD20 PVM 20-5 F	30	620	370	380	860	120	955	3"	2 1/2"
PMD20 PVM 20-7 F	30	620	370	380	860	180	1083	3"	2 1/2"
PMY20 PVM 20-10 F	30	620	370	380	860	180	1405	3"	2 1/2"
PMD20 PVM 32-2 F	80	860	440	700	1060	230	900	4"	3"
PMD20 PVM 32-3 F	80	860	440	700	1060	230	1006	4"	3"
PMD20 PVM 32-4 F	80	860	440	700	1060	230	1112	4"	3"
PMY20 PVM 32-5 F	80	860	440	700	1060	230	1399	4"	3"
PMY20 PVM 32-6 F	80	860	440	700	1060	230	1469	4"	3"

CPS20

BOOSTER SETS - FIX SPEED

- Reliable
- Easy to install
- Pressure remains constant during supply
- Low energy consumption



DESCRIPTION

The new series of variable speed pressurization booster set CPS20 represents a reliable solution which is easy to use, for residential and industrial applications. The system involves the installation in parallel of two inverters integrated directly on the motor of each pump installed. The two frequency converters communicate and alternate the starting order of each work cycle, always keeping the pressure constant in the distribution system.

APPLICATIONS

- Lifting and distribution of water in domestic systems in continuous or intermittent operation
- Pressurization systems
- Irrigation
- Industry
- Washes

MECHANICAL DATA

Type of liquid	clean water without suspended solids or abrasive material		
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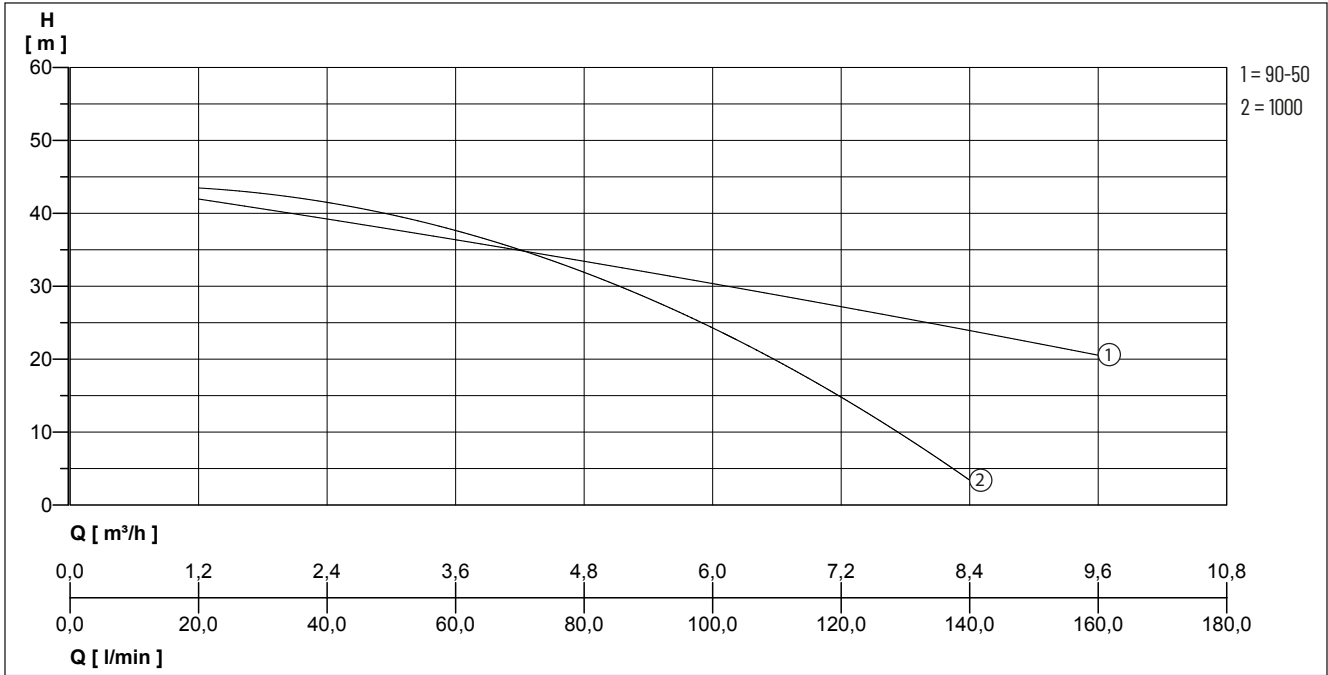
ELECTRICAL DATA

Voltage	1/N/PE~230 V		
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CPS20 JET - JETINOX

BOOSTER SETS - FIX SPEED

PERFORMANCE



We reserve the right to change specifications without notice. Pump performance is subject to ISO 9906 ISO 9906:2012 - Grade 3B tolerances.

Type	Flow rate Q [m³/h]	1.2	2.4	3.6	4.8	6	7.2	8.4	9.6
CPS20-Jetinox 90/50	Delivery head H [m]	42	39	37	33	30	27	25	20
CPS20-Jet 1000		44	41	37	32	25	15	3	

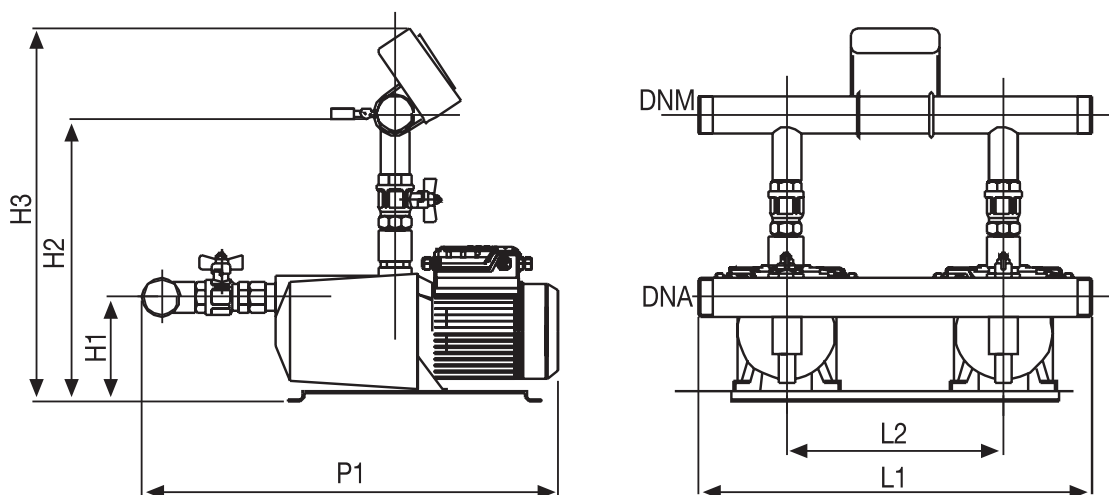
CPS20 JET - JETINOX

Type	Code No.	Motor rating 2xP1	Current 2xI	Temperature of the liq-uid max.	Weight
CPS20-Jetinox 90/50	UI601160	1.5 kW	9.0 A	50 °C	70 kg
CPS20-Jet 1000	UI601150	1.1 kW	7.7 A	50 °C	65 kg

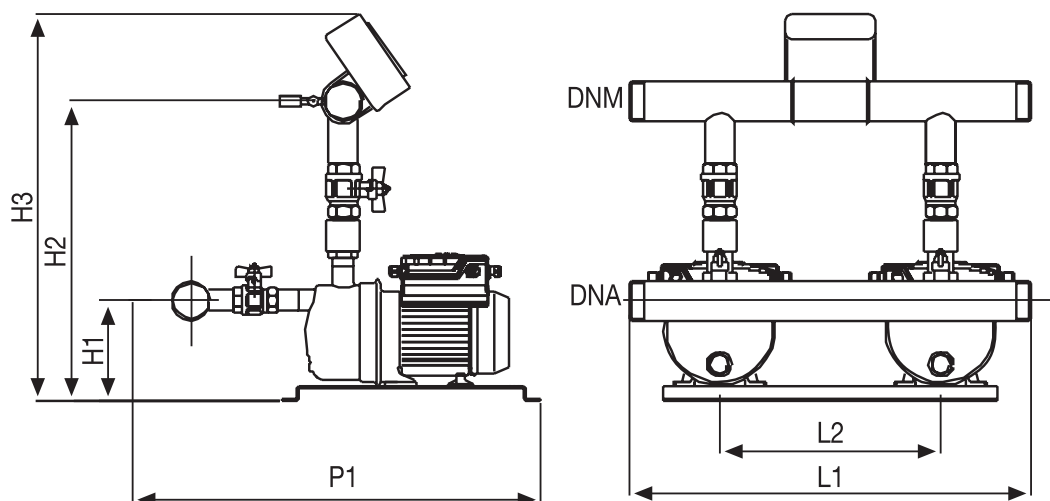
CPS20 JET - JETINOX

BOOSTER SETS - FIX SPEED

JET



JETINOX



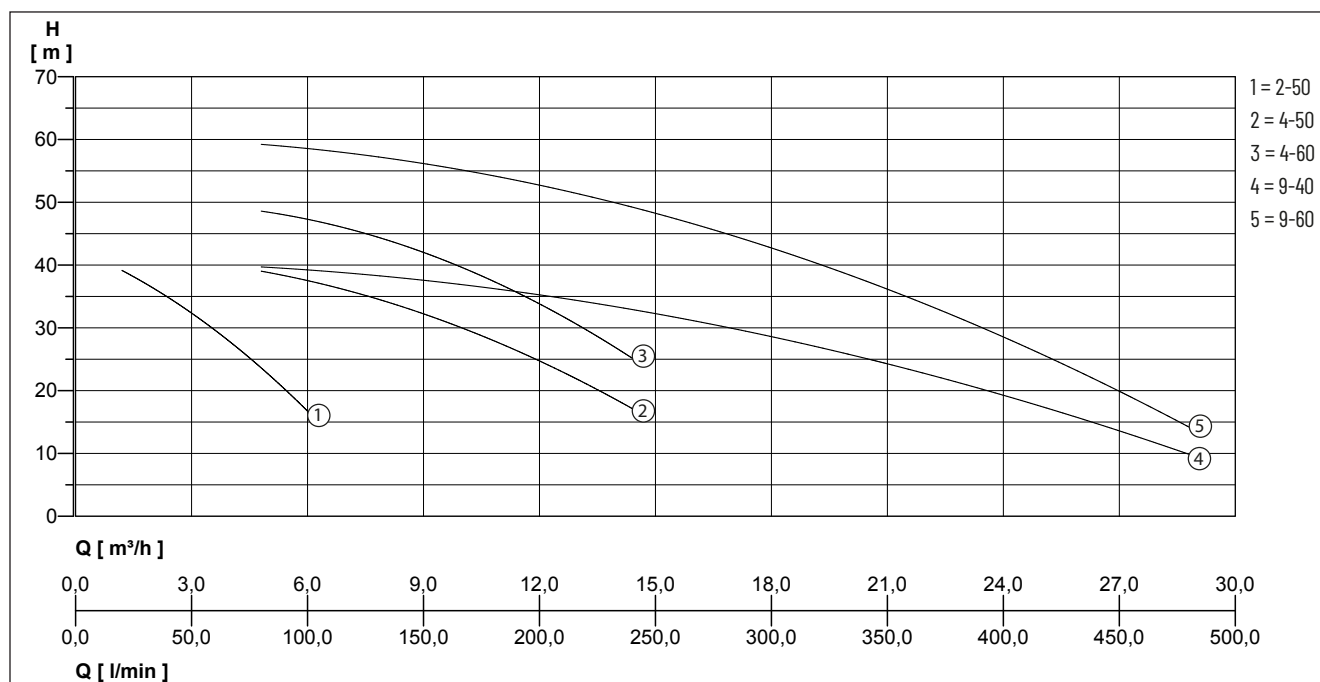
DIMENSIONS [mm]

Type	L1	L2	P1	H1	H2	H3	DNA	DNM
CPS20-Jetinox 90/50	540	310	590	188	443	648	2"	1 1/2"
CPS20-Jet 1000	670	370	620	190	420	625	2"	2"

CPS20 DHR

BOOSTER SETS - FIX SPEED

PERFORMANCE



We reserve the right to change specifications without notice. Pump performance is subject to ISO 9906 ISO 9906:2012 - Grade 3B tolerances.

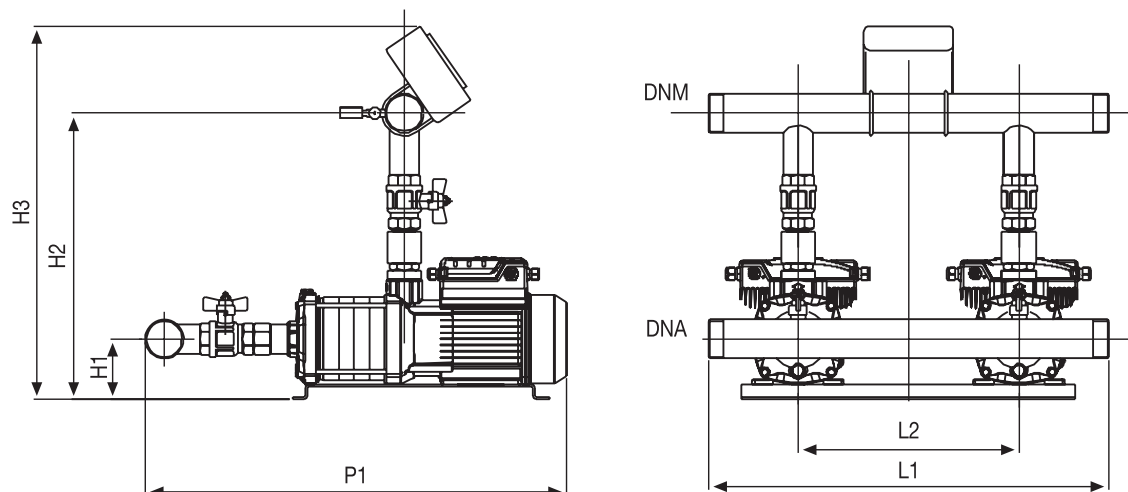
Type	Flow rate Q [m³/h]	1.2	2.4	3.6	4.8	6	7.2	9.6	12	14.4	19.2	24	28.8
CPS20/DHR 2-50	Delivery head H [m]	39	35	30	23	17							
CPS20/DHR 4-50					39	38	35	31	25	17			
CPS20/DHR 4-60					49	47	45	41	34	25			
CPS20/DHR 9-40					40	39	38	38	35	33	27	19	10
CPS20/DHR 9-60					60	58	57	56	53	49	40	29	14

CPS20 DHR

Type	Code No.	Motor rating 2xP1	Current 2xI	Temperature of the liquid max.	Weight
CPS20/DHR 2-50	UI601000	1.0 kW	5.5 A	90 °C	57 kg
CPS20/DHR 4-50	UI601010	1.1 kW	10.6 A	90 °C	62 kg
CPS20/DHR 4-60	UI601020	1.1 kW	9.5 A	90 °C	68 kg
CPS20/DHR 9-40	UI601030	1.1 kW	9.5 A	90 °C	77 kg
CPS20/DHR 9-60	UI601180	2.2 kW	15.8 A	90 °C	89 kg

CPS20 DHR

BOOSTER SETS - FIX SPEED



DIMENSIONS [mm]

Type	L1	L2	P1	H1	H2	H3	DNA	DNM
CPS20/DHR 2-50	540	310	525	100	365	572	2 1/2"	1 1/2"
CPS20/DHR 4-50	540	310	587	100	365	572	2"	1 1/2"
CPS20/DHR 4-60	540	310	640	110	377	585	2"	1 1/2"
CPS20/DHR 9-40	670	370	610	110	445	660	2 1/2"	2"
CPS20/DHR 9-60	670	370	670	110	445	660	2 1/2"	2"

CPS20

BOOSTER SETS - FIX SPEED

VARIO 1-20/MULTI EVO-E

BOOSTER SETS - VARIABLE SPEED

- Compact dimensions
- Sturdy and resistant
- High hydraulic efficiency
- Pressure remains constant during supply



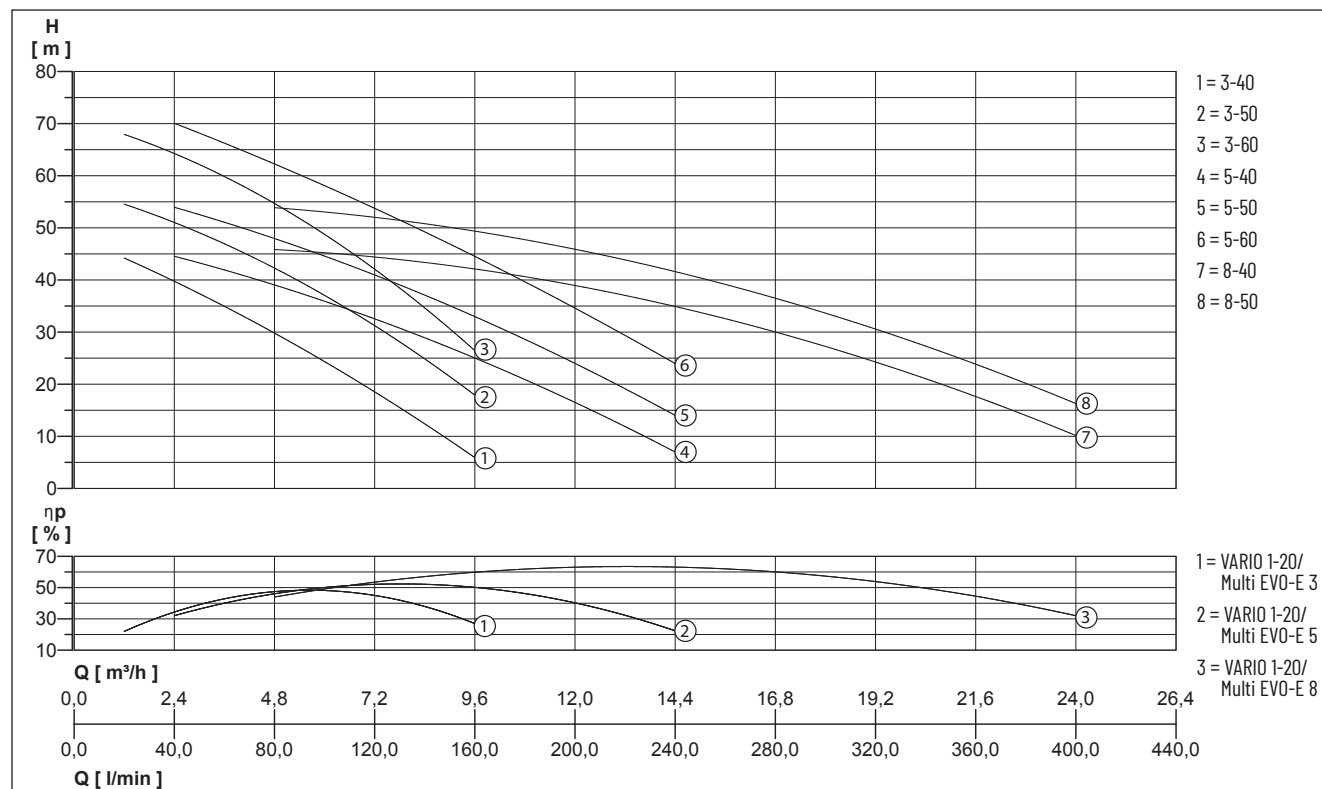
DESCRIPTION

The new series of variable speed pressurization boosters VARIO 1-20 represents a reliable solution which is easy to use, for residential and industrial applications. The system involves the installation in parallel of two inverters integrated directly on the motor of each pump installed. The two frequency converters communicate and alternate the starting order of each work cycle, always keeping the pressure constant in the distribution system.

APPLICATIONS

- Lifting and distribution of water in domestic systems in continuous or intermittent operation
- Pressurization systems
- Washing systems
- Irrigation

PERFORMANCE



We reserve the right to change specifications without notice. Pump performance is subject to ISO 9906 ISO 9906:2012 - Grade 3B tolerances.

VARIO 1-20/MULTI EVO-E

BOOSTER SETS - VARIABLE SPEED

Type	Flow rate Q [m³/h]	1.2	2.4	3.6	4.8	6	7.2	9.6	12	14.4	16.8	19.2	21.6	24
VARIO1-20/Multi EVO-E 3-40	Delivery head H [m]	44.0	40.0	35.0	30.0	24.0	18.5	6.0						
VARIO1-20/Multi EVO-E 3-50		54.5	51.0	47.0	42.5	37.0	31.0	18.0						
VARIO1-20/Multi EVO-E 3-60		68.0	64.0	60.0	55.0	48.5	42.0	26.5						
VARIO1-20/Multi EVO-E 5-40			44.5	42.0	39.0	36.0	32.5	25.0	16.5	7.0				
VARIO1-20/Multi EVO-E 5-50			54.0	51.0	48.0	44.5	41.0	33.0	24.0	14.0				
VARIO1-20/Multi EVO-E 5-60			70.0	66.5	62.0	58.0	54.0	44.5	34.5	24.0				
VARIO1-20/Multi EVO-E 8-40					46.0	45.0	44.5	42.0	39.0	35.0	30.0	24.0	18.0	10.0
VARIO1-20/Multi EVO-E 8-50					54.0	53.0	52.0	49.0	46.0	42.0	36.5	30.5	23.5	16.5

MECHANICAL DATA

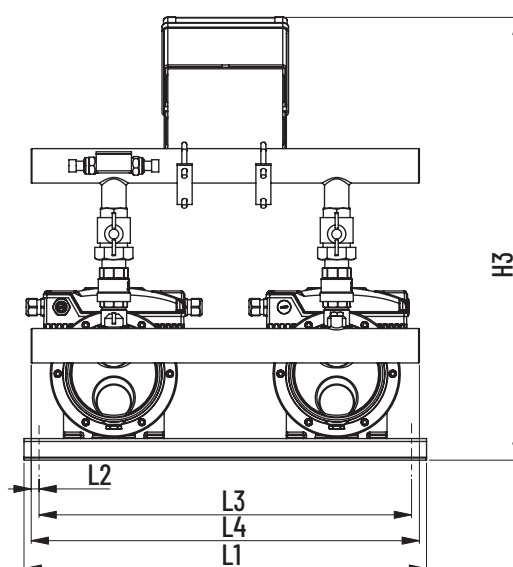
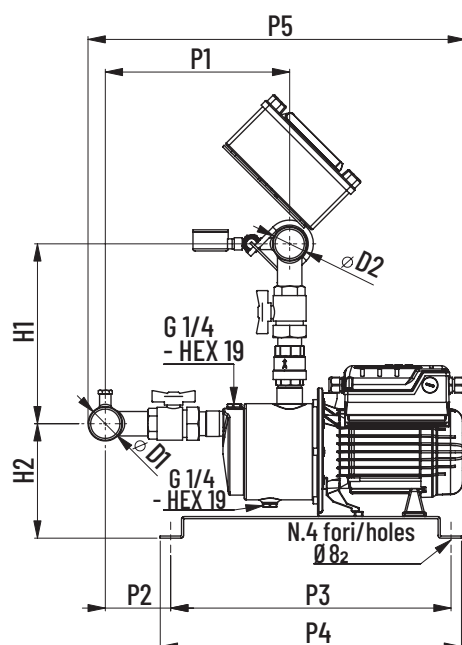
Operating pressure max.	8 bar		
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ELECTRICAL DATA

Voltage	1/N/PE~230 V	Ambient temperature max.	40 °C
Type of enclosure	IP 55	Frequency	50 Hz

VARIO 1-20/MULTI EVO-E

Type	Code No.	Motor rating 2xP1	Current 2xI	Weight
VARIO1-20/Multi EVO-E 3-40	UI601730	0.80 kW	5.3 A	45.6 kg
VARIO1-20/Multi EVO-E 3-50	UI601740	1.00 kW	7.0 A	49.6 kg
VARIO1-20/Multi EVO-E 3-60	UI601750	1.35 kW	8.7 A	53.0 kg
VARIO1-20/Multi EVO-E 5-40	UI601760	1.00 kW	7.0 A	49.0 kg
VARIO1-20/Multi EVO-E 5-50	UI601770	1.25 kW	8.5 A	52.2 kg
VARIO1-20/Multi EVO-E 5-60	UI601780	1.80 kW	11.5 A	56.4 kg
VARIO1-20/Multi EVO-E 8-40	UI601790	1.60 kW	10.2 A	58.0 kg
VARIO1-20/Multi EVO-E 8-50	UI601800	2.00 kW	12.5 A	60.2 kg



VARIO 1-20/MULTI EVO-E

BOOSTER SETS - VARIABLE SPEED

DIMENSIONS [mm]

Type	L1	L2	L3	L4	P1	P2	P3	P4	P5	H1	H2	H3	D1	D2
VARIO1-20/Multi EVO-E 3-40	560	15	510	540	257	91	390	420	523	250	160	615	1 1/2"	1 1/2"
VARIO1-20/Multi EVO-E 3-50	560	15	510	540	280	113	390	420	567	250	160	615	1 1/2"	1 1/2"
VARIO1-20/Multi EVO-E 3-60	560	15	510	540	302	136	390	420	589	250	160	615	1 1/2"	1 1/2"
VARIO1-20/Multi EVO-E 5-40	560	15	510	540	283	119	390	420	574	255	155	615	2"	1 1/2"
VARIO1-20/Multi EVO-E 5-50	560	15	510	540	305	141	390	420	596	255	155	615	2"	1 1/2"
VARIO1-20/Multi EVO-E 5-60	560	15	510	540	327	163	390	420	653	255	155	615	2"	1 1/2"
VARIO1-20/Multi EVO-E 8-40	560	15	510	540	300	136	390	420	623	300	155	660	2"	2"
VARIO1-20/Multi EVO-E 8-50	560	15	510	540	327	163	390	420	623	300	155	660	2"	2"

VARIO 1-20/MULTI EVO-E

BOOSTER SETS - VARIABLE SPEED

VARIO 1-20/MULTI EVO-E P

BOOSTER SETS - VARIABLE SPEED

- Compact dimensions
- High hydraulic performance
- Robust
- Easy to use



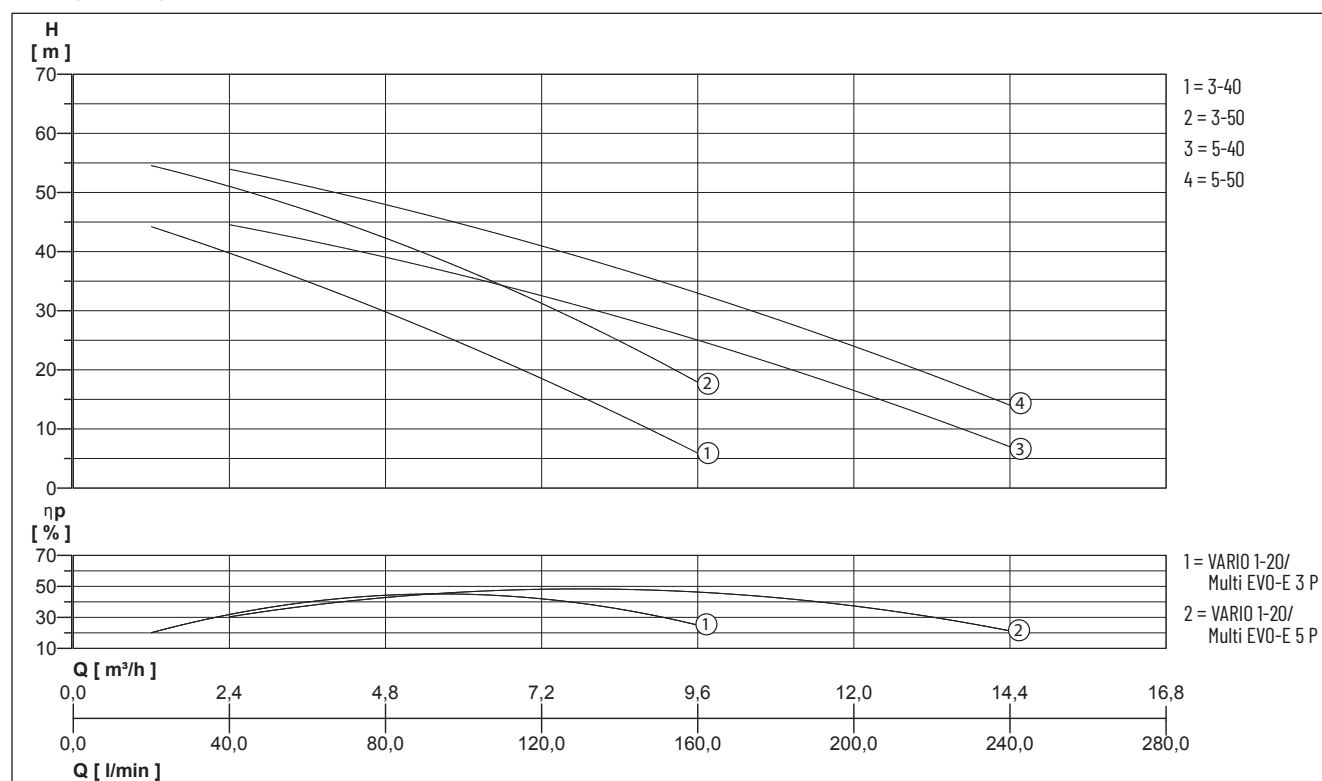
DESCRIPTION

The new series of VARIO 1-20 variable speed pressurization units represent a reliable, easy-to-use solution in residential and commercial applications. The system consists in the parallel installation of two inverters, incorporated directly onto the motor of each installed electric pump. The two frequency converters communicate and alternate the starting order of each operating cycle, maintaining a constant pressure in the distribution system.

APPLICATIONS

- Lifts and distributes water in domestic systems
- Pressurization systems
- Washing systems
- Irrigation

PERFORMANCE



We reserve the right to change specifications without notice. Pump performance is subject to ISO 9906 ISO 9906:2012 - Grade 3B tolerances.

VARIO 1-20/MULTI EVO-E P

BOOSTER SETS - VARIABLE SPEED

Type	Flow rate Q [m³/h]	1.2	2.4	3.6	4.8	6	7.2	9.6	12	14.4
VARIO1-20/Multi EVO-E 3-40 P	Delivery head H [m]	44.0	40.0	35.0	30.0	24.0	18.5	6.0		
VARIO1-20/Multi EVO-E 3-50 P		54.5	51.0	47.0	42.5	37.0	31.0	18.0		
VARIO1-20/Multi EVO-E 5-40 P			44.5	42.0	39.0	36.0	32.5	25.0	16.5	7.0
VARIO1-20/Multi EVO-E 5-50 P			54.0	51.0	48.0	44.5	41.0	33.0	24.0	14.0

MECHANICAL DATA

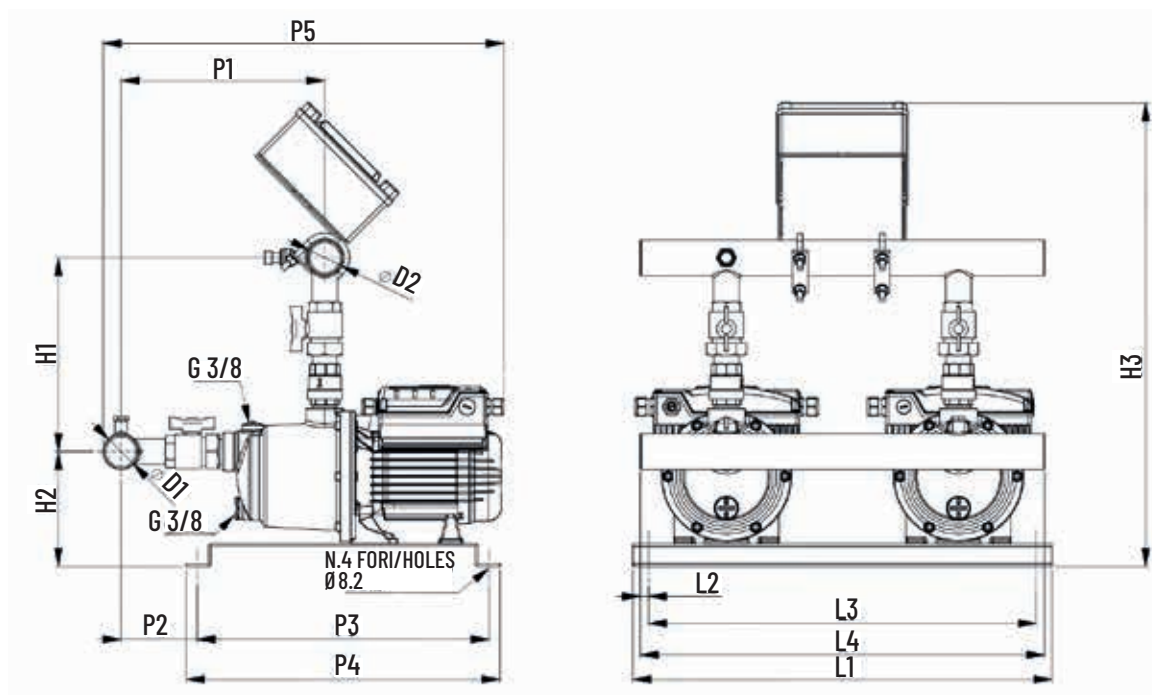
Operating pressure max.	7 bar		
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ELECTRICAL DATA

Voltage	1/N/PE~230 V	Ambient temperature max.	40 °C
Type of enclosure	IP 55	Frequency	50 Hz

VARIO 1-20/MULTI EVO-E P

Type	Code No.	Motor rating 2xP1	Current 2xl	Weight
VARIO1-20/Multi EVO-E 3-40 P	UI601810	0.80 kW	5.3 A	44.6 kg
VARIO1-20/Multi EVO-E 3-50 P	UI601820	1.00 kW	7.0 A	48.6 kg
VARIO1-20/Multi EVO-E 5-40 P	UI601830	1.00 kW	7.0 A	48.6 kg
VARIO1-20/Multi EVO-E 5-50 P	UI601840	1.25 kW	8.5 A	51.2 kg



DIMENSIONS [mm]

Type	L1	L2	L3	L4	P1	P2	P3	P4	P5	H1	H2	H3	D1	D2
VARIO1-20/Multi EVO-E 3-40 P	560	15	510	540	272	102	390	420	535	260	153	615	1 1/2"	1 1/2"
VARIO1-20/Multi EVO-E 3-50 P	560	15	510	540	272	102	390	420	552	260	153	615	1 1/2"	1 1/2"
VARIO1-20/Multi EVO-E 5-40 P	560	15	510	540	272	102	390	420	552	260	153	615	1 1/2"	1 1/2"
VARIO1-20/Multi EVO-E 5-50 P	560	15	510	540	272	102	390	420	552	260	153	615	1 1/2"	1 1/2"

VARIO 1-20

BOOSTER SETS - VARIABLE SPEED

- Easy to install
- Low energy consumption
- Pressure remains constant during supply



DESCRIPTION

The new series of variable speed pressurization booster set VARIO 1-20 represents a reliable solution which is easy to use, for residential and industrial applications. The system involves the installation in parallel of two inverters integrated directly on the motor of each pump installed. The two frequency converters communicate and alternate the starting order of each work cycle, always keeping the pressure constant in the distribution system.

APPLICATIONS

- Lifting and distribution of water in domestic systems in continuous or intermittent operation
- Pressurization systems
- Irrigation
- Industry
- Washes

MECHANICAL DATA

Operating pressure max.	16 bar	Type of liquid	clean water without suspended solids or abrasive material
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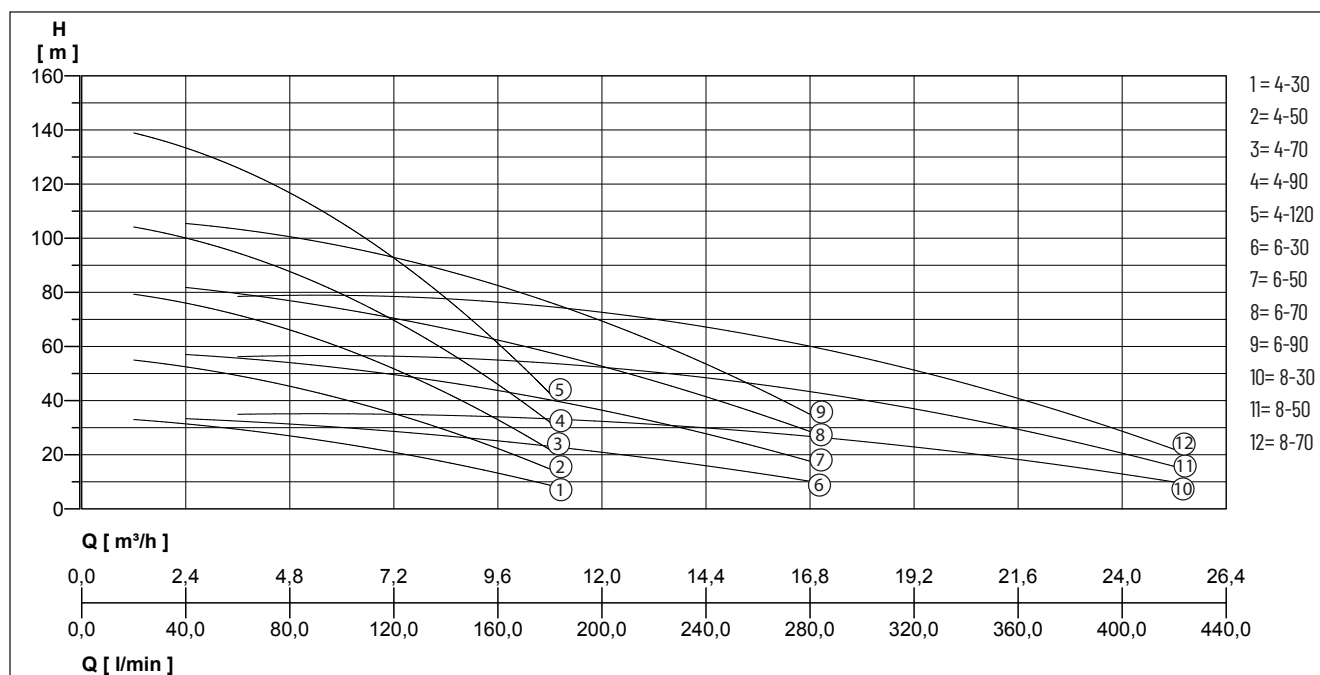
ELECTRICAL DATA

Voltage	1/N/PE~230 V	Ambient temperature max.	50 °C
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VARIO 1-20 MULTINOX VE +

BOOSTER SETS - VARIABLE SPEED

PERFORMANCE



We reserve the right to change specifications without notice. Pump performance is subject to ISO 9906 ISO 9906:2012 - Grade 3B tolerances.

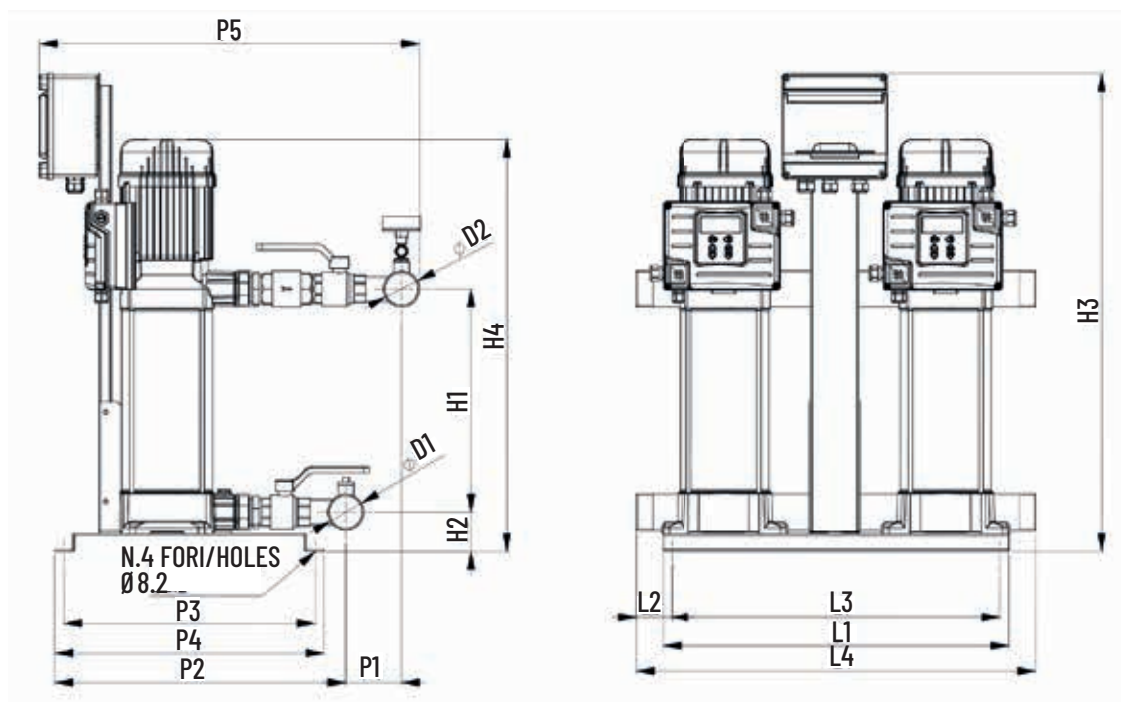
Type	Flow rate Q [m³/h]	1.2	2.4	3.6	4.8	6	7.2	8.4	9.6	10.8	12	14.4	16.8	18	21.6	25.2
VARIO1-20 MULTINOX VE+ 4-30	Delivery head H [m]	33	31	30	27	24	21	17	13	9						
VARIO1-20 MULTINOX VE+ 4-50		55	52	50	45	41	35	29	22	15						
VARIO1-20 MULTINOX VE+ 4-70		79	76	72	67	59	51	43	33	22						
VARIO1-20 MULTINOX VE+ 4-90		104	100	95	88	79	69	59	46	32						
VARIO1-20 MULTINOX VE+ 4-120		138	134	127	117	105	92	78	61	43						
VARIO1-20 MULTINOX VE+ 6-30			34	32	31	30	28	27	26	23	21	16	10			
VARIO1-20 MULTINOX VE+ 6-50			58	56	53	51	49	47	44	41	37	28	17			
VARIO1-20 MULTINOX VE+ 6-70			83	80	77	76	61	68	64	59	55	42	27			
VARIO1-20 MULTINOX VE+ 6-90			107	103	99	97	92	88	83	76	71	54	34			
VARIO1-20 MULTINOX VE+ 8-30				35	35	35	35	35	34	33	32	30	27	25	18	10
VARIO1-20 MULTINOX VE+ 8-50				57	57	56	56	56	54	53	52	50	45	40	28	16
VARIO1-20 MULTINOX VE+ 8-70				80	79	78	78	77	75	74	73	70	60	56	40	22

VARIO 1-20 MULTINOX VE +

Type	Code No.	Motor rating 2xP2	Current 2xI	Type of enclosure	Temperature of the liquid max.	Weight
VARIO1-20 MULTINOX VE+ 4-30	UI601680	0.50 kW	4.40 A	IP 44	50 °C	71 kg
VARIO1-20 MULTINOX VE+ 4-50	UI601690	0.84 kW	6.71 A	IP 44	50 °C	79 kg
VARIO1-20 MULTINOX VE+ 4-70	UI601700	1.17 kW	9.39 A	IP 44	50 °C	87 kg
VARIO1-20 MULTINOX VE+ 4-90	UI601710	1.50 kW	12.08 A	IP 44	50 °C	89 kg
VARIO1-20 MULTINOX VE+ 4-120	UI601720	2.00 kW	16.30 A	IP 44	50 °C	93 kg
VARIO1-20 MULTINOX VE+ 6-30	UI601640	0.67 kW	5.95 A	IP 44	50 °C	71 kg
VARIO1-20 MULTINOX VE+ 6-50	UI601650	1.10 kW	9.02 A	IP 44	50 °C	79 kg
VARIO1-20 MULTINOX VE+ 6-70	UI601660	1.50 kW	13.82 A	IP 44	50 °C	87 kg
VARIO1-20 MULTINOX VE+ 6-90	UI601670	2.00 kW	15.75 A	IP 44	50 °C	89 kg
VARIO1-20 MULTINOX VE+ 8-30	UI601610	1.00 kW	8.70 A	IP 44	50 °C	71 kg
VARIO1-20 MULTINOX VE+ 8-50	UI601620	1.50 kW	14.40 A	IP 44	50 °C	79 kg
VARIO1-20 MULTINOX VE+ 8-70	UI601630	1.90 kW	15.50 A	IP 44	50 °C	87 kg

VARIO 1-20 MULTINOX VE +

BOOSTER SETS - VARIABLE SPEED



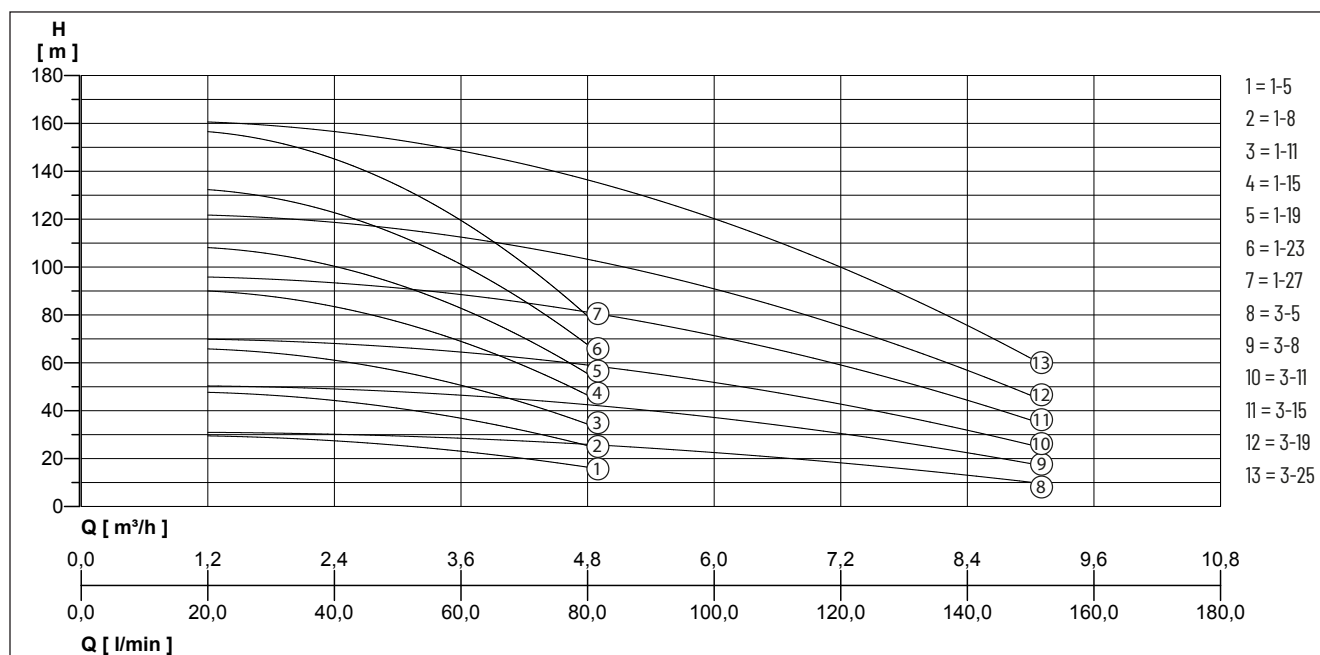
DIMENSIONS [mm]

Type	L1	L2	L3	L4	P1	P2	P3	P4	P5	H1	H2	H3	H4	D1	D2
VARIO1-20 MULTINOX VE+ 4-30	580	70	530	670	90	485	420	450	635	130	65	800	446	2"	2"
VARIO1-20 MULTINOX VE+ 4-50	580	70	530	670	90	485	420	450	635	184	65	800	500	2"	2"
VARIO1-20 MULTINOX VE+ 4-70	580	70	530	670	90	485	420	450	635	238	65	800	554	2"	2"
VARIO1-20 MULTINOX VE+ 4-90	580	70	530	670	90	485	420	450	635	292	65	800	608	2"	2"
VARIO1-20 MULTINOX VE+ 4-120	580	70	530	670	90	485	420	450	635	373	65	800	690	2"	2"
VARIO1-20 MULTINOX VE+ 6-30	580	70	530	670	90	485	420	450	635	130	65	800	446	2"	2"
VARIO1-20 MULTINOX VE+ 6-50	580	70	530	670	90	485	420	450	635	184	65	800	500	2"	2"
VARIO1-20 MULTINOX VE+ 6-70	580	70	530	670	90	485	420	450	635	238	65	800	554	2"	2"
VARIO1-20 MULTINOX VE+ 6-90	580	70	530	670	90	485	420	450	635	292	65	800	608	2"	2"
VARIO1-20 MULTINOX VE+ 8-30	580	70	530	670	90	485	420	450	635	130	65	800	446	2"	2"
VARIO1-20 MULTINOX VE+ 8-50	580	70	530	670	90	485	420	450	635	184	65	800	500	2"	2"
VARIO1-20 MULTINOX VE+ 8-70	580	70	530	670	90	485	420	450	635	238	65	800	554	2"	2"

VARIO 1-20 PVM 1-3

BOOSTER SETS - VARIABLE SPEED

PERFORMANCE



We reserve the right to change specifications without notice. Pump performance is subject to ISO 9906 ISO 9906:2012 - Grade 3B tolerances.

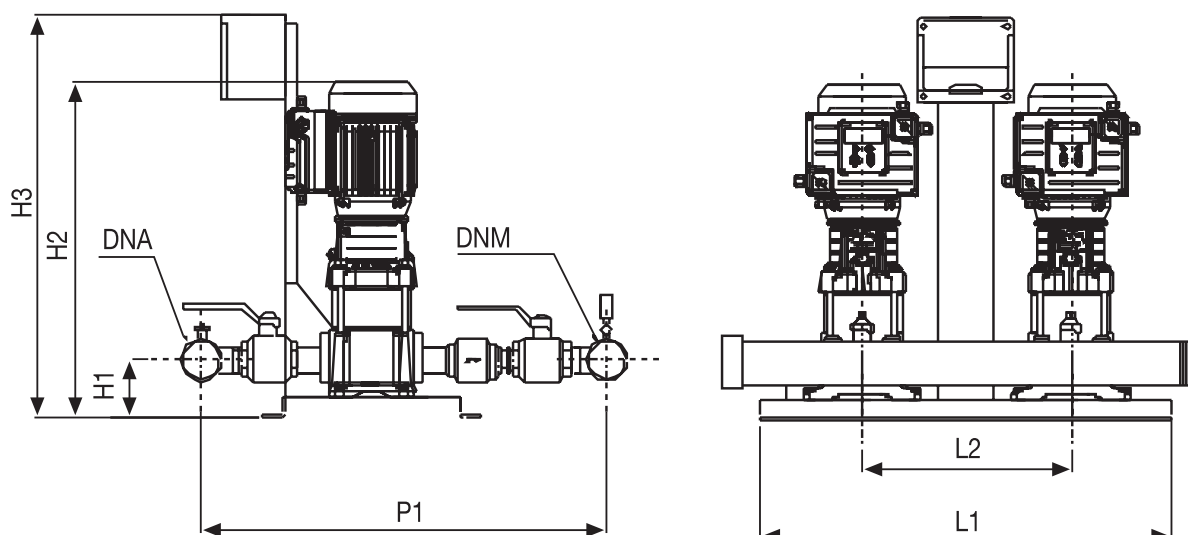
Type	Flow rate Q [m^3/h]	0	1.2	2.4	3.6	4.8	6	7.2	8.4	9
VARIO1-20 PVM 1-5 F	Delivery head H [m]	30.4	29.4	27.7	22.8	16.5				
VARIO1-20 PVM 1-8 F		48.8	47.6	44.5	36.6	25.5				
VARIO1-20 PVM 1-11 F		67.2	65.7	61.4	50.3	34.5				
VARIO1-20 PVM 1-15 F		91.6	89.9	83.8	68.6	46.6				
VARIO1-20 PVM 1-19 F		110.0	108.0	100.7	82.4	55.6				
VARIO1-20 PVM 1-23 F		134.5	132.2	123.1	100.7	67.7				
VARIO1-20 PVM 1-27 F		159.0	156.4	145.6	119.0	79.7				
VARIO1-20 PVM 3-5 F		31.9	31.1	30.0	28.3	26.2	22.6	18.0	13.3	10.0
VARIO1-20 PVM 3-8 F		51.9	50.5	48.9	46.2	42.9	37.3	30.1	22.7	17.8
VARIO1-20 PVM 3-11 F		71.8	70.0	67.9	64.1	59.6	52.1	42.1	32.1	25.7
VARIO1-20 PVM 3-15 F		98.4	96.0	93.2	88.0	81.9	71.7	58.2	44.7	36.1
VARIO1-20 PVM 3-19 F		125.0	121.9	118.4	111.9	104.2	91.3	74.3	57.2	46.5
VARIO1-20 PVM 3-25 F		164.9	160.8	156.3	147.8	137.6	120.8	98.4	76.0	62.1

VARIO 1-20 PVM 1-3

Type	Code No.	Motor rating 2xP2	Current 2xl	Type of enclosure	Temperature of the liquid max.	Weight
VARIO1-20 PVM 1-5 F	UI601400	0.37 kW	2.7 A	IP 55	120 °C	60 kg
VARIO1-20 PVM 1-8 F	UI601410	0.55 kW	4.1 A	IP 55	120 °C	62 kg
VARIO1-20 PVM 1-11 F	UI601420	0.55 kW	4.4 A	IP 55	120 °C	67 kg
VARIO1-20 PVM 1-15 F	UI601430	0.75 kW	5.8 A	IP 55	120 °C	73 kg
VARIO1-20 PVM 1-19 F	UI601440	1.10 kW	7.4 A	IP 55	120 °C	80 kg
VARIO1-20 PVM 1-23 F	UI601450	1.10 kW	8.3 A	IP 55	120 °C	90 kg
VARIO1-20 PVM 1-27 F	UI601460	1.50 kW	9.9 A	IP 55	120 °C	94 kg
VARIO1-20 PVM 3-5 F	UI601470	0.37 kW	3.0 A	IP 55	120 °C	62 kg
VARIO1-20 PVM 3-8 F	UI601480	0.75 kW	4.8 A	IP 55	120 °C	65 kg
VARIO1-20 PVM 3-11 F	UI601490	1.10 kW	6.6 A	IP 55	120 °C	73 kg
VARIO1-20 PVM 3-15 F	UI601500	1.10 kW	9.0 A	IP 55	120 °C	75 kg
VARIO1-20 PVM 3-19 F	UI601510	1.50 kW	11.0 A	IP 55	120 °C	80 kg
VARIO1-20 PVM 3-25 F	UI601520	2.20 kW	15.0 A	IP 55	120 °C	90 kg

VARIO 1-20 PVM 1-3

BOOSTER SETS - VARIABLE SPEED



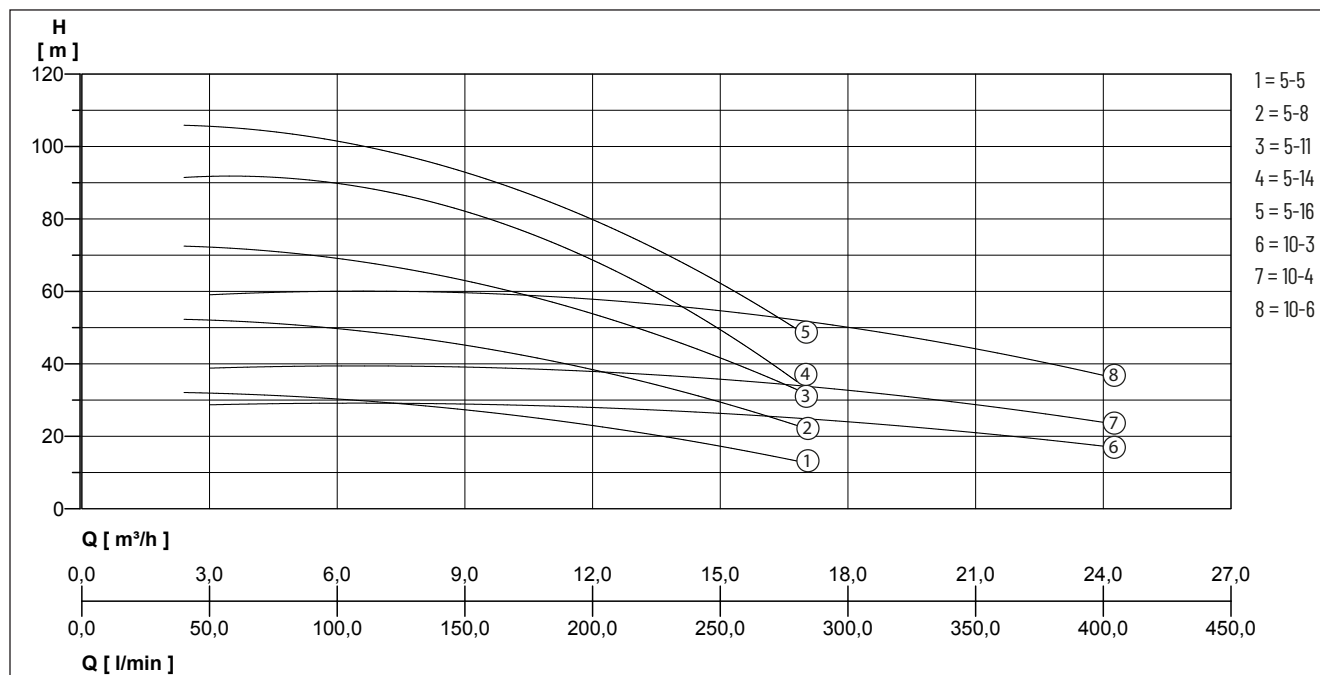
DIMENSIONS [mm]

Type	L1	L2	P1	H1	H2	H3	DNA	DNM
VARIO1-20 PVM 1-5 F	600	370	620	105	580	700	2"	2"
VARIO1-20 PVM 1-8 F	600	370	620	105	594	700	2"	2"
VARIO1-20 PVM 1-11 F	600	370	620	105	648	700	2"	2"
VARIO1-20 PVM 1-15 F	600	370	620	105	766	700	2"	2"
VARIO1-20 PVM 1-19 F	600	370	620	105	838	700	2"	2"
VARIO1-20 PVM 1-23 F	600	370	620	105	910	700	2"	2"
VARIO1-20 PVM 1-27 F	600	370	620	105	1030	700	2"	2"
VARIO1-20 PVM 3-5 F	600	370	620	105	540	700	2"	2"
VARIO1-20 PVM 3-8 F	600	370	620	105	640	700	2"	2"
VARIO1-20 PVM 3-11 F	600	370	620	105	694	700	2"	2"
VARIO1-20 PVM 3-15 F	600	370	620	105	766	700	2"	2"
VARIO1-20 PVM 3-19 F	600	370	620	105	886	700	2"	2"
VARIO1-20 PVM 3-25 F	600	370	620	105	994	700	2"	2"

VARIO 1-20 PVM 5-10

BOOSTER SETS - VARIABLE SPEED

PERFORMANCE



We reserve the right to change specifications without notice. Pump performance is subject to ISO 9906 ISO 9906:2012 - Grade 3B tolerances.

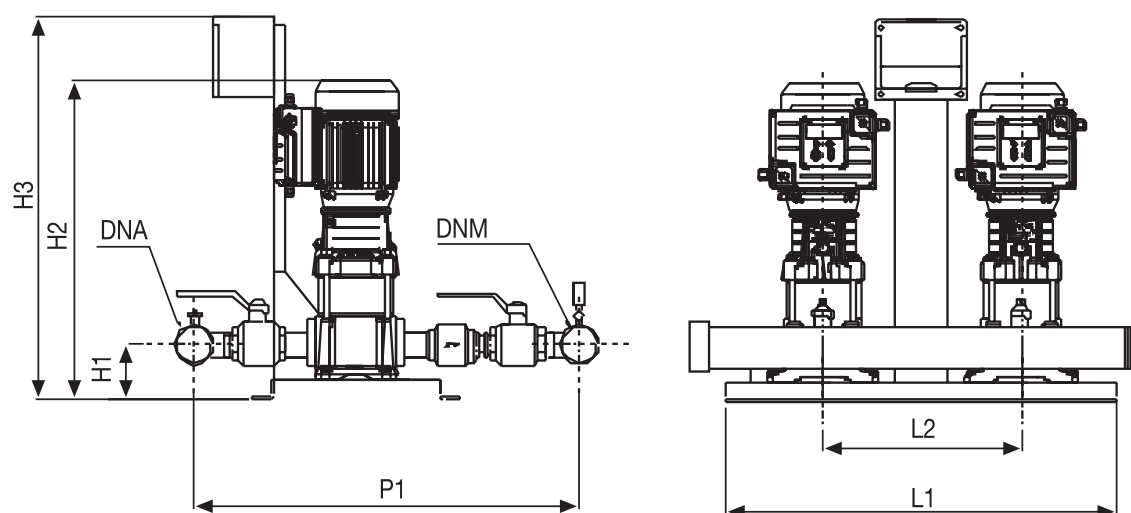
Type	Flow rate Q [m³/h]	0	3	4.8	6	7.2	9	9.6	12	14.4	15	16.8	18	21	24
VARIO1-20 PVM 5-5 F	Delivery head H [m]	32.3		31.1		29.4		26.8	22.9	18.0		13.5			
VARIO1-20 PVM 5-8 F		52.9		51.1		48.5		44.3	38.2	30.5		23.6			
VARIO1-20 PVM 5-11 F		73.5		71.1		67.5		61.8	53.5	43.0		33.8			
VARIO1-20 PVM 5-14 F		94.1		91.1		86.6		79.4	68.9	55.8		43.9			
VARIO1-20 PVM 5-16 F		107.8		104.5		99.3		91.0	79.1	64.7		50.7			
VARIO1-20 PVM 10-3 F		28.6	28.9		29.0		28.7		27.8		26.4		24.4	21.0	17.1
VARIO1-20 PVM 10-4 F		38.8	39.1		39.2		38.9		37.7		35.8		33.2	28.8	23.6
VARIO1-20 PVM 10-6 F		59.2	59.4		59.8		59.4		57.5		54.7		50.8	44.2	36.5

VARIO 1-20 PVM 5-10

Type	Code No.	Motor rating 2xP2	Current 2xl	Type of enclosure	Temperature of the liquid max.	Weight
VARIO1-20 PVM 5-5 F	UI601530	0.75 kW	5.4 A	IP 55	120 °C	76 kg
VARIO1-20 PVM 5-8 F	UI601540	1.10 kW	8.7 A	IP 55	120 °C	80 kg
VARIO1-20 PVM 5-11 F	UI601550	2.20 kW	12.0 A	IP 55	120 °C	92 kg
VARIO1-20 PVM 5-14 F	UI601560	2.20 kW	15.2 A	IP 55	120 °C	98 kg
VARIO1-20 PVM 5-16 F	UI601570	2.20 kW	17.4 A	IP 55	120 °C	100 kg
VARIO1-20 PVM 10-3 F	UI601580	1.10 kW	2.4 A	IP 55	120 °C	100 kg
VARIO1-20 PVM 10-4 F	UI601590	1.50 kW	3.2 A	IP 55	120 °C	110 kg
VARIO1-20 PVM 10-6 F	UI601600	2.20 kW	4.8 A	IP 55	120 °C	120 kg

VARIO 1-20 PVM 5-10

BOOSTER SETS - VARIABLE SPEED



DIMENSIONS [mm]

Type	L1	L2	P1	H1	H2	H3	DNA	DNM
VARIO1-20 PVM 5-5 F	600	370	660	105	631	810	2"	2"
VARIO1-20 PVM 5-8 F	600	370	660	105	712	810	2"	2"
VARIO1-20 PVM 5-11 F	600	370	660	105	841	810	2"	2"
VARIO1-20 PVM 5-14 F	600	370	660	105	922	810	2"	2"
VARIO1-20 PVM 5-16 F	600	370	660	105	976	810	2"	2"
VARIO1-20 PVM 10-3 F	620	370	700	100	612	820	2 1/2"	2 1/2"
VARIO1-20 PVM 10-4 F	620	370	700	100	714	820	2 1/2"	2 1/2"
VARIO1-20 PVM 10-6 F	620	370	700	100	714	820	2 1/2"	2 1/2"

VARIO 1-20

BOOSTER SETS - VARIABLE SPEED

VARIO 3-20

BOOSTER SETS - VARIABLE SPEED

- Easy to install
- Versatile operation
- Low power consumption



DESCRIPTION

The new series of variable speed pressurization booster set VARIO3-20 represents a reliable solution which is easy to use, for residential and industrial applications. The system involves the installation of two pumps in parallel featuring electronic control. VARIO3 is an electronic device capable of changing the frequency of a pump. Integrated directly on the motor, it allows to adjust its speed so as to supply the same pressure at all times, even when the water demand changes.

When the system pressure drops below the set threshold, the module starts the first pump of the unit to restore to set-point pressure; the speed of rotation of the pump varies according to the water demand so, a greater demand will correspond to a higher speed, until the maximum speed set has been reached, after which, if the system requires greater performance, the module will activate the second pump to keep the pressure stable. As the water demand decreases, the speed of the last pump started is reduced, until it turns off. The module will keep the first pump on until the minimum set speed has been reached, after which, if there are no further pressure drops, the pump will be stopped. VARIO3-20 features five operating modes to meet the operating needs.

MECHANICAL DATA

Operating pressure max.	16 bar	Type of liquid	clean water without suspended solids or abrasive material
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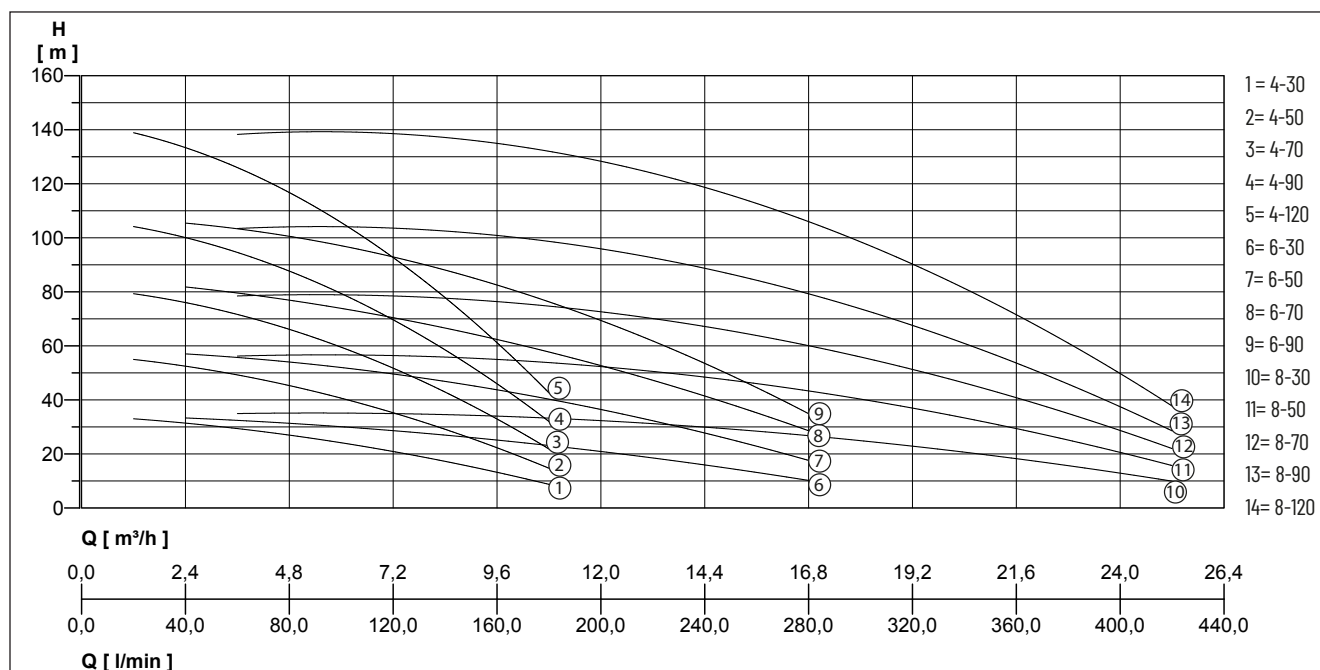
ELECTRICAL DATA

Voltage	3/N/PE~400 V	Ambient temperature max.	50 °C
Type of enclosure	IP 55		

VARIO 3-20 MULTINOX VE +

BOOSTER SETS - VARIABLE SPEED

PERFORMANCE



We reserve the right to change specifications without notice. Pump performance is subject to ISO 9906 ISO 9906:2012 - Grade 3B tolerances.

Type	Flow rate Q [m^3/h]	1.2	2.4	3.6	4.8	6	7.2	8.4	9.6	10.8	12	14.4	16.8	18	21.6	25.2
VARIO3-20 MULTINOX VE+ 4-30	Delivery head H [m]	33	31	30	27	24	21	17	13	9						
VARIO3-20 MULTINOX VE+ 4-50		55	52	50	45	41	35	29	22	15						
VARIO3-20 MULTINOX VE+ 4-70		79	76	72	67	59	51	43	33	22						
VARIO3-20 MULTINOX VE+ 4-90		104	100	95	88	79	69	59	46	32						
VARIO3-20 MULTINOX VE+ 4-120		138	134	127	117	105	92	78	61	43						
VARIO3-20 MULTINOX VE+ 6-30			34	32	31	30	28	27	26	23	21	16	10			
VARIO3-20 MULTINOX VE+ 6-50			58	56	53	51	49	47	44	41	37	28	17			
VARIO3-20 MULTINOX VE+ 6-70			83	80	77	76	61	68	64	59	55	42	27			
VARIO3-20 MULTINOX VE+ 6-90			107	103	99	97	92	88	83	76	71	54	34			
VARIO3-20 MULTINOX VE+ 8-30				35	35	35	35	35	34	33	32	30	27	25	18	10
VARIO3-20 MULTINOX VE+ 8-50				57	57	56	56	56	54	53	52	50	45	40	28	16
VARIO3-20 MULTINOX VE+ 8-70				80	79	78	78	77	75	74	73	70	60	56	40	22
VARIO3-20 MULTINOX VE+ 8-90				104	104	104	103	103	101	98	94	90	82	73	52	29
VARIO3-20 MULTINOX VE+ 8-120				139	139	139	138	138	135	131	126	120	109	98	70	38

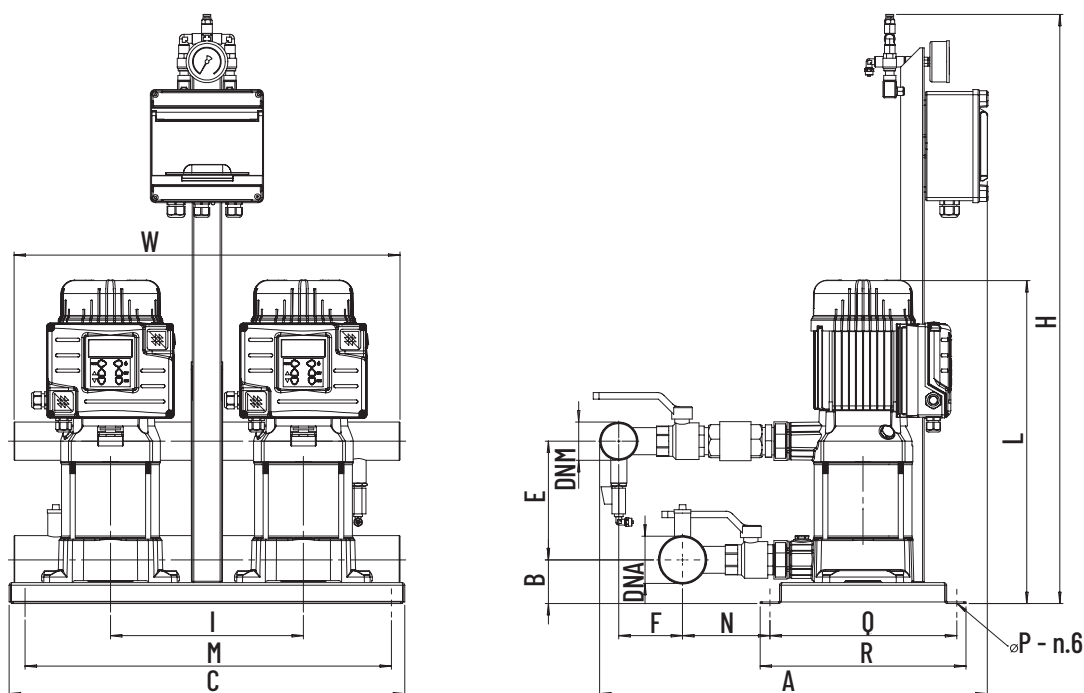
VARIO 3-20 MULTINOX VE +

BOOSTER SETS - VARIABLE SPEED

VARIO 3-20 MULTINOX VE +

Type	Code No.	Motor rating 2xP2	Current 2xI	Temperature of the liquid max.	Weight
VARIO3-20 MULTINOX VE+ 4-30	UI710280	0.50 kW	2.54 A	50 °C	69 kg
VARIO3-20 MULTINOX VE+ 4-50	UI710290	0.84 kW	3.90 A	50 °C	77 kg
VARIO3-20 MULTINOX VE+ 4-70	UI710300	1.17 kW	5.46 A	50 °C	85 kg
VARIO3-20 MULTINOX VE+ 4-90	UI710310	1.50 kW	7.22 A	50 °C	87 kg
VARIO3-20 MULTINOX VE+ 4-120	UI710320	2.00 kW	9.42 A	50 °C	91 kg
VARIO3-20 MULTINOX VE+ 6-30	UI710240	0.67 kW	3.58 A	50 °C	69 kg
VARIO3-20 MULTINOX VE+ 6-50	UI710250	1.10 kW	5.26 A	50 °C	77 kg
VARIO3-20 MULTINOX VE+ 6-70	UI710260	1.50 kW	8.21 A	50 °C	85 kg
VARIO3-20 MULTINOX VE+ 6-90	UI710270	2.00 kW	9.13 A	50 °C	87 kg
VARIO3-20 MULTINOX VE+ 8-30	UI710210	1.00 kW	2.60 A	50 °C	69 kg
VARIO3-20 MULTINOX VE+ 8-50	UI710220	1.50 kW	4.33 A	50 °C	77 kg
VARIO3-20 MULTINOX VE+ 8-70	UI710230	1.90 kW	6.13 A	50 °C	85 kg
VARIO3-20 MULTINOX VE+ 8-90	UI700180	3.00 kW	9.70 A	50 °C	110 kg
VARIO3-20 MULTINOX VE+ 8-120	UI700190	4.00 kW	12.30 A	50 °C	116 kg

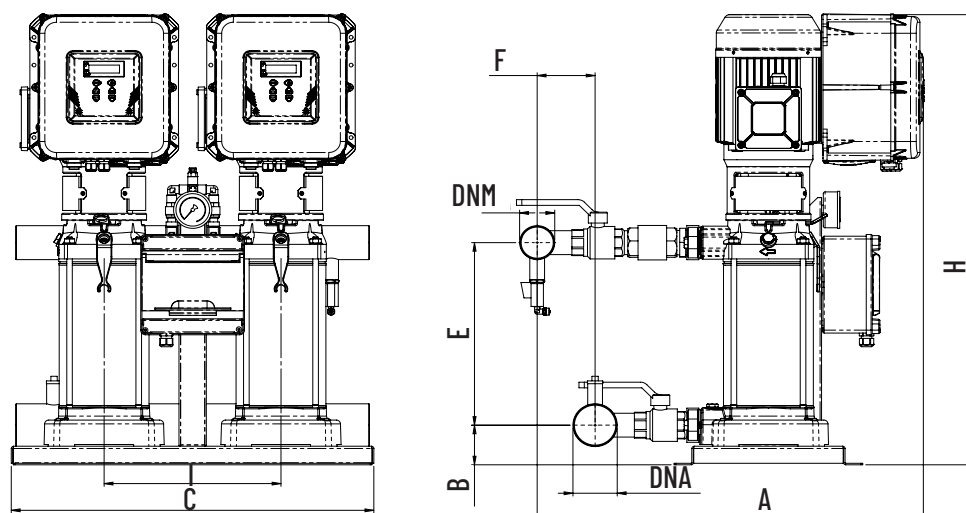
Fig. 1



VARIO 3-20 MULTINOX VE +

BOOSTER SETS - VARIABLE SPEED

Fig. 2



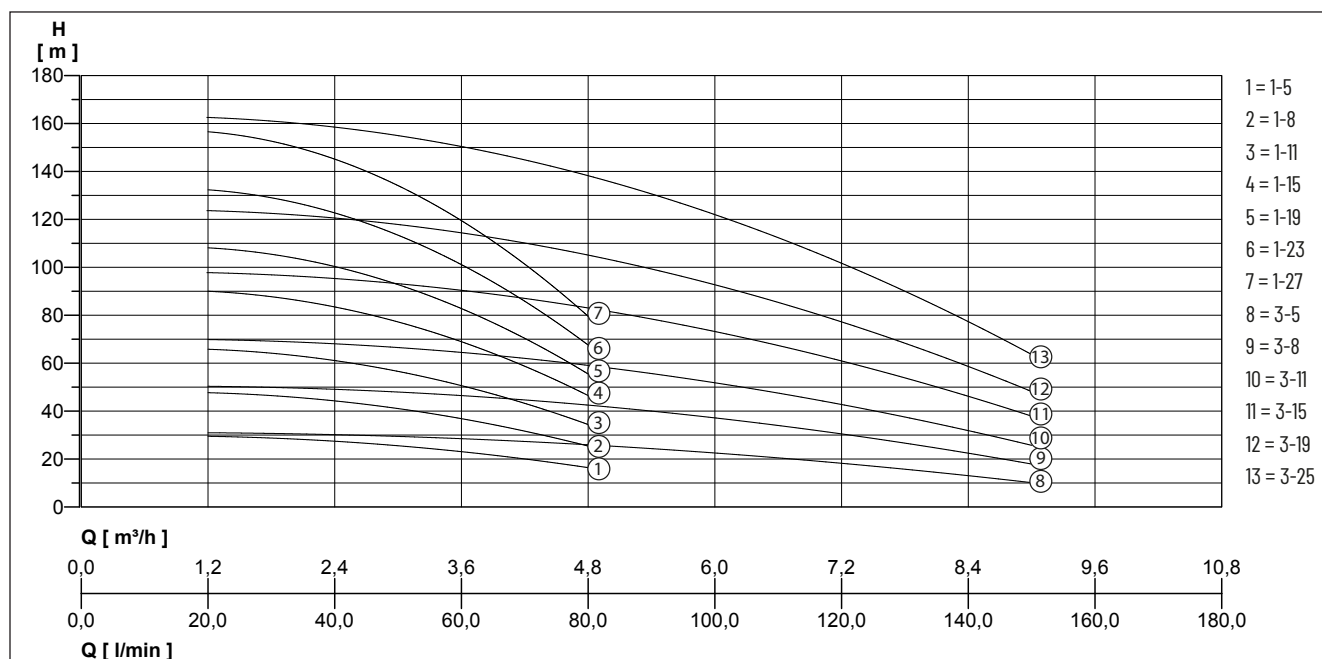
DIMENSIONS [mm]

Type	Fig.	A	B	C	F	H	I	L	M	N	P	Q	R	W	DNA	DNM	E
VARIO3-20 MULTINOX VE+ 4-30	1	615	68	608,5	96	910	300	449	578,5	145	10,5	290	320	600	2 1/2"	2"	130
VARIO3-20 MULTINOX VE+ 4-50	1	615	68	608,5	96	910	300	503	578,5	145	10,5	290	320	600	2 1/2"	2"	184
VARIO3-20 MULTINOX VE+ 4-70	1	615	68	608,5	96	910	300	557	578,5	145	10,5	290	320	600	2 1/2"	2"	238
VARIO3-20 MULTINOX VE+ 4-90	1	615	68	608,5	96	910	300	611	578,5	145	10,5	290	320	600	2 1/2"	2"	292
VARIO3-20 MULTINOX VE+ 4-120	1	615	68	608,5	96	910	300	693	578,5	145	10,5	290	320	600	2 1/2"	2"	373
VARIO3-20 MULTINOX VE+ 6-30	1	615	68	608,5	96	910	300	449	578,5	145	10,5	290	320	600	2 1/2"	2"	130
VARIO3-20 MULTINOX VE+ 6-50	1	615	68	608,5	96	910	300	503	578,5	145	10,5	290	320	600	2 1/2"	2"	184
VARIO3-20 MULTINOX VE+ 6-70	1	615	68	608,5	96	910	300	557	578,5	145	10,5	290	320	600	2 1/2"	2"	238
VARIO3-20 MULTINOX VE+ 6-90	1	615	68	608,5	96	910	300	611	578,5	145	10,5	290	320	600	2 1/2"	2"	292
VARIO3-20 MULTINOX VE+ 8-30	1	615	68	608,5	96	910	300	449	578,5	145	10,5	290	320	600	2 1/2"	2"	130
VARIO3-20 MULTINOX VE+ 8-50	1	615	68	608,5	96	910	300	503	578,5	145	10,5	290	320	600	2 1/2"	2"	184
VARIO3-20 MULTINOX VE+ 8-70	1	615	68	608,5	96	910	300	557	578,5	145	10,5	290	320	600	2 1/2"	2"	238
VARIO3-20 MULTINOX VE+ 8-90	2	780	68	608,5	96	765	300	765	578,5	145	10,5	290	320	600	2 1/2"	2"	292
VARIO3-20 MULTINOX VE+ 8-120	2	780	68	608,5	96	890	300	890	578,5	145	10,5	290	320	600	2 1/2"	2"	373

VARIO 3-20 PVM 1-3

BOOSTER SETS - VARIABLE SPEED

PERFORMANCE



We reserve the right to change specifications without notice. Pump performance is subject to ISO 9906 ISO 9906:2012 - Grade 3B tolerances.

Type	Flow rate Q [m³/h]	0	1.2	2.4	3.6	4.8	6	7.2	8.4	9
VARIO3-20 PVM 1-5 F	Delivery head H [m]	30.4	29.4	27.7	22.8	16.5				
VARIO3-20 PVM 1-8 F		48.8	47.6	44.5	36.6	25.5				
VARIO3-20 PVM 1-11 F		67.2	65.7	61.4	50.3	34.5				
VARIO3-20 PVM 1-15 F		91.6	89.9	83.8	68.6	46.6				
VARIO3-20 PVM 1-19 F		110.0	108.0	100.7	82.4	55.6				
VARIO3-20 PVM 1-23 F		134.5	132.2	123.1	100.7	67.7				
VARIO3-20 PVM 1-27 F		159.0	156.4	145.6	119.0	79.7				
VARIO3-20 PVM 3-5 F		31.9	31.1	30.0	28.3	26.2	22.6	18.0	13.3	10.0
VARIO3-20 PVM 3-8 F		51.9	50.5	48.9	46.2	42.9	37.3	30.1	22.7	17.8
VARIO3-20 PVM 3-11 F		71.8	70.0	67.9	64.1	59.6	52.1	42.1	32.1	25.7
VARIO3-20 PVM 3-15 F		98.4	96.0	93.2	88.0	81.9	71.7	58.2	44.7	36.1
VARIO3-20 PVM 3-19 F		125.0	121.9	118.4	111.9	104.2	91.3	74.3	57.2	46.5
VARIO3-20 PVM 3-25 F		164.9	160.8	156.3	147.8	137.6	120.8	98.4	76.0	62.1

VARIO 3-20 PVM 1-3

Type	Code No.	Motor rating 2xP2	Current 2xI	Temperature of the liquid max.	Weight
VARIO3-20 PVM 1-5 F	UI710000	0.37 kW	1.50 A	120 °C	60 kg
VARIO3-20 PVM 1-8 F	UI710010	0.55 kW	2.30 A	120 °C	62 kg
VARIO3-20 PVM 1-11 F	UI710020	0.55 kW	3.20 A	120 °C	67 kg
VARIO3-20 PVM 1-15 F	UI710030	0.75 kW	4.40 A	120 °C	73 kg
VARIO3-20 PVM 1-19 F	UI710040	1.10 kW	5.50 A	120 °C	80 kg
VARIO3-20 PVM 1-23 F	UI710050	1.10 kW	6.70 A	120 °C	90 kg
VARIO3-20 PVM 1-27 F	UI710060	1.50 kW	7.80 A	120 °C	94 kg
VARIO3-20 PVM 3-5 F	UI710070	0.37 kW	0.90 A	120 °C	62 kg
VARIO3-20 PVM 3-8 F	UI710080	0.75 kW	1.45 A	120 °C	65 kg
VARIO3-20 PVM 3-11 F	UI710090	1.10 kW	2.00 A	120 °C	73 kg
VARIO3-20 PVM 3-15 F	UI710100	1.10 kW	2.70 A	120 °C	75 kg
VARIO3-20 PVM 3-19 F	UI710110	1.50 kW	3.40 A	120 °C	80 kg
VARIO3-20 PVM 3-25 F	UI710120	2.20 kW	4.50 A	120 °C	90 kg

VARIO 3-20 PVM 1-3

BOOSTER SETS - VARIABLE SPEED

Fig. 1

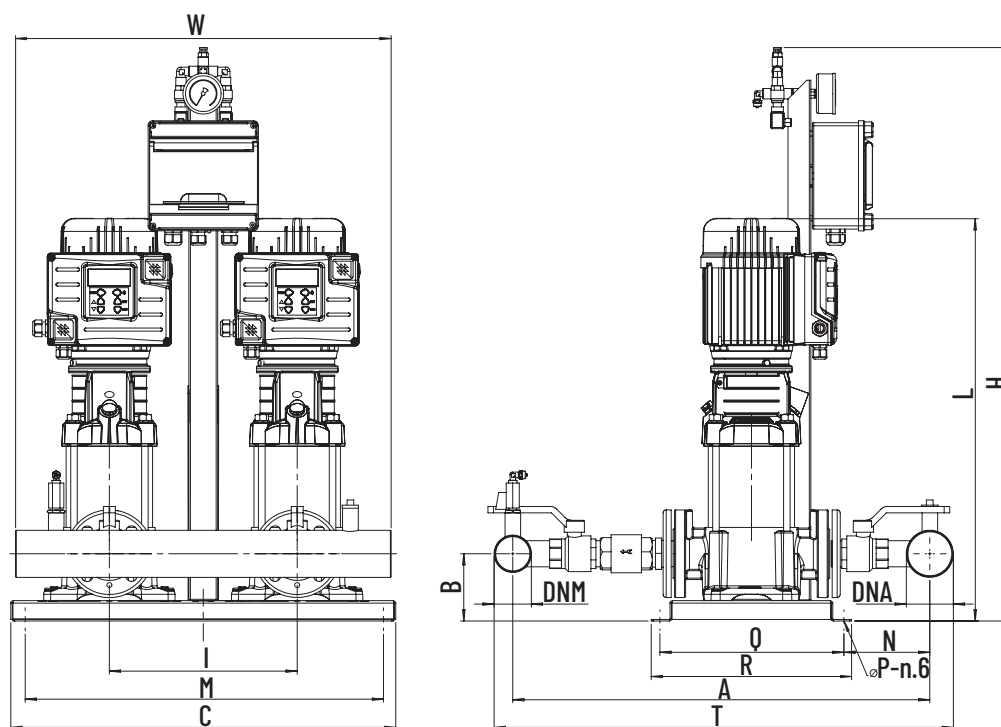
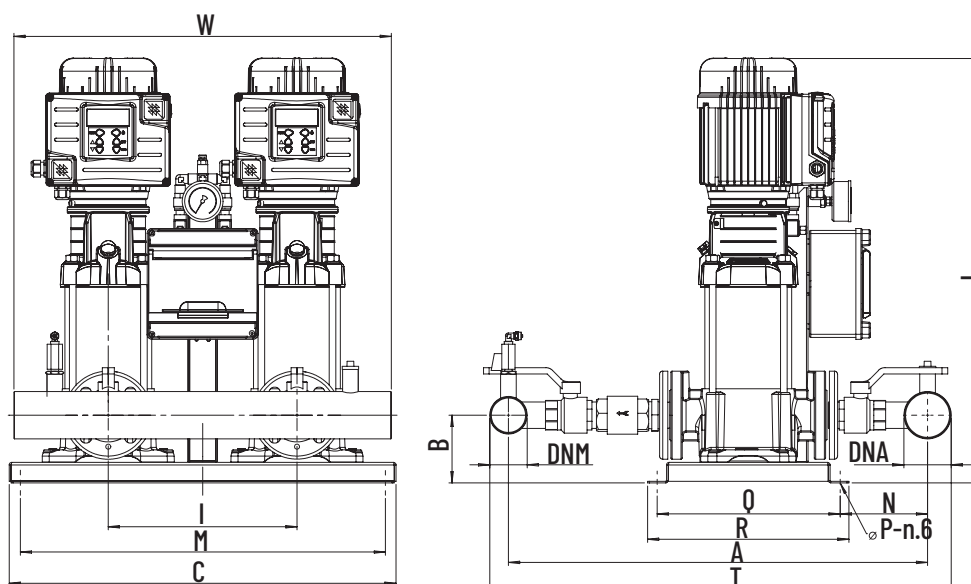


Fig. 2



VARIO 3-20 PVM 1-3

BOOSTER SETS - VARIABLE SPEED

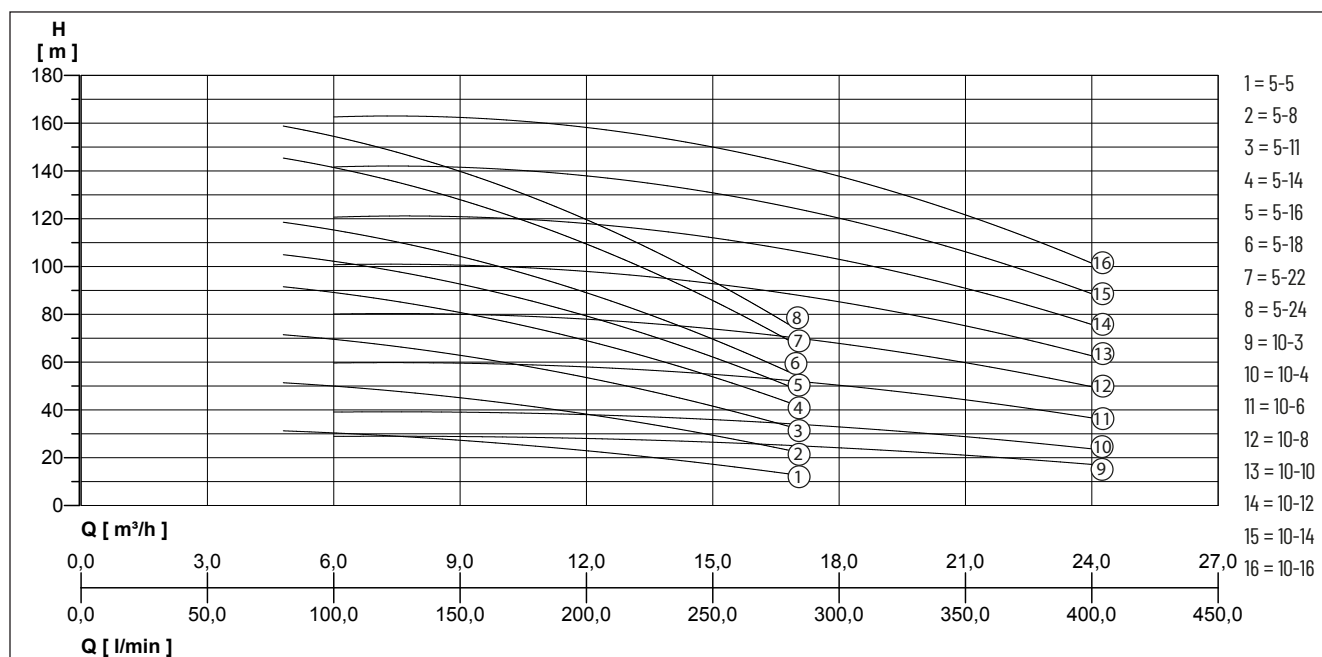
DIMENSIONS [mm]

Type	Fig.	A	B	C	H	I	L	M	N	P	Q	R	T	W	DNA	DNM
VARIO3-20 PVM 1-5 F	1	690	108	615	910	300	543	578,5	145	10,5	290	320	757	600	2"	2"
VARIO3-20 PVM 1-8 F	1	690	108	615	910	300	597	578,5	145	10,5	290	320	757	600	2"	2"
VARIO3-20 PVM 1-11 F	2	690	108	615		300	651	578,5	145	10,5	290	320	757	600	2"	2"
VARIO3-20 PVM 1-15 F	2	690	108	615		300	769	578,5	145	10,5	290	320	757	600	2"	2"
VARIO3-20 PVM 1-19 F	2	690	108	615		300	841	578,5	145	10,5	290	320	757	600	2"	2"
VARIO3-20 PVM 1-23 F	2	690	108	615		300	913	578,5	145	10,5	290	320	757	600	2"	2"
VARIO3-20 PVM 1-27 F	2	690	108	615		300	1033	578,5	145	10,5	290	320	757	600	2"	2"
VARIO3-20 PVM 3-5 F	1	690	108	615	910	300	543	578,5	145	10,5	290	320	757	600	2"	2"
VARIO3-20 PVM 3-8 F	1	690	108	615	910	300	643	578,5	145	10,5	290	320	757	600	2"	2"
VARIO3-20 PVM 3-11 F	2	690	108	615		300	697	578,5	145	10,5	290	320	757	600	2"	2"
VARIO3-20 PVM 3-15 F	2	690	108	615		300	769	578,5	145	10,5	290	320	757	600	2"	2"
VARIO3-20 PVM 3-19 F	2	690	108	615		300	889	578,5	145	10,5	290	320	757	600	2"	2"
VARIO3-20 PVM 3-25 F	2	690	108	615		300	997	578,5	145	10,5	290	320	757	600	2"	2"

VARIO 3-20 PVM 5-10

BOOSTER SETS - VARIABLE SPEED

PERFORMANCE



We reserve the right to change specifications without notice. Pump performance is subject to ISO 9906 ISO 9906:2012 - Grade 3B tolerances.

Type	Flow rate Q [m³/h]	0	4.8	6	7.2	9.6	12	14.4	16.8	18	24
VARIO3-20 PVM 5-5 F	Delivery head H [m]	32.3	31.1		29.4	26.8	22.9	18.0	13.5		
VARIO3-20 PVM 5-8 F		52.9	51.1		48.5	44.3	38.2	30.5	23.6		
VARIO3-20 PVM 5-11 F		73.5	71.1		67.5	61.8	53.5	43.0	33.8		
VARIO3-20 PVM 5-14 F		94.1	91.1		86.6	79.4	68.9	55.8	43.9		
VARIO3-20 PVM 5-16 F		107.8	104.5		99.3	91.0	79.1	64.7	50.7		
VARIO3-20 PVM 5-18 F		121.5	117.8		112.0	102.7	89.3	71.1	57.4		
VARIO3-20 PVM 5-22 F		149.0	144.5		137.4	126.1	109.7	87.6	70.9		
VARIO3-20 PVM 5-24 F		162.7	157.8		150.1	137.8	119.9	95.9	77.7		
VARIO3-20 PVM 10-3 F		28.6		29.0			27.8			24.4	17.1
VARIO3-20 PVM 10-4 F		38.8		39.2			37.7			33.2	23.6
VARIO3-20 PVM 10-6 F		59.2		59.8			57.5			50.8	36.5
VARIO3-20 PVM 10-8 F		79.6		80.3			77.4			68.4	49.5
VARIO3-20 PVM 10-10 F		99.9		101.0			97.2			86.0	62.4
VARIO3-20 PVM 10-12 F		120.0		121.0			117.0			104.0	75.4
VARIO3-20 PVM 10-14 F		141.0		142.0			137.0			121.2	88.3
VARIO3-20 PVM 10-16 F		161.0		163.0			157.0			139.0	101.0

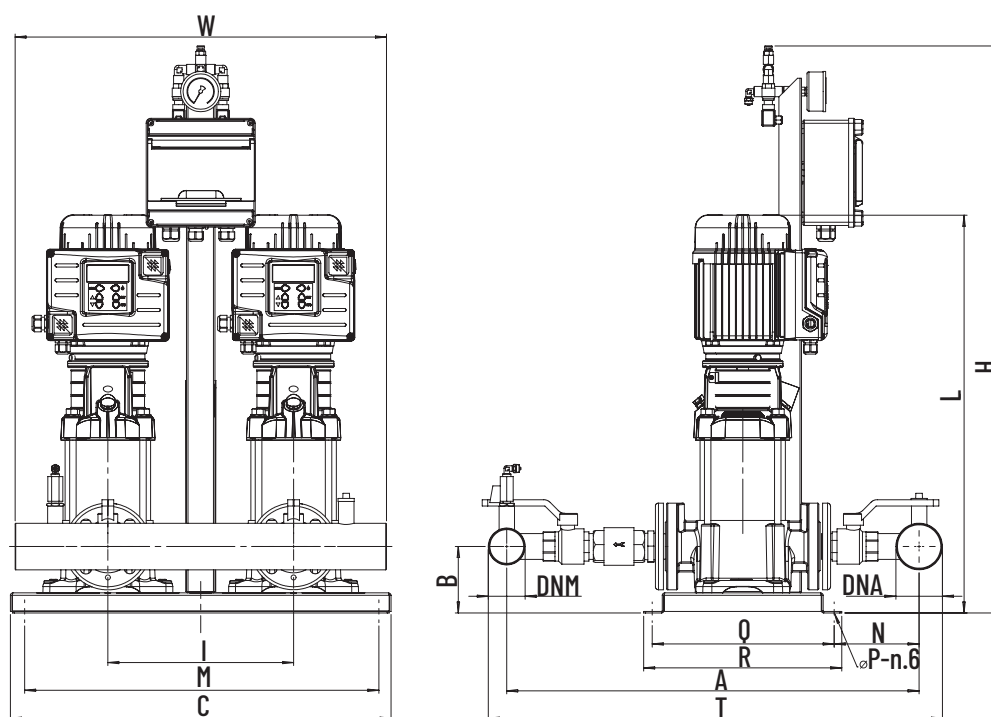
VARIO 3-20 PVM 5-10

BOOSTER SETS - VARIABLE SPEED

VARIO 3-20 PVM 5-10

Type	Code No.	Motor rating 2xP2	Current 2xl	Temperature of the liquid max.	Weight
VARIO3-20 PVM 5-5 F	UI710130	0.75 kW	1.7 A	120 °C	76 kg
VARIO3-20 PVM 5-8 F	UI710140	1.10 kW	2.7 A	120 °C	80 kg
VARIO3-20 PVM 5-11 F	UI710150	2.20 kW	3.7 A	120 °C	92 kg
VARIO3-20 PVM 5-14 F	UI710160	2.20 kW	4.8 A	120 °C	98 kg
VARIO3-20 PVM 5-16 F	UI710170	2.20 kW	5.4 A	120 °C	100 kg
VARIO3-20 PVM 5-18 F	UI700200	3.00 kW	6.1 A	120 °C	142 kg
VARIO3-20 PVM 5-22 F	UI700210	4.00 kW	7.5 A	120 °C	153 kg
VARIO3-20 PVM 5-24 F	UI700220	4.00 kW	8.2 A	120 °C	155 kg
VARIO3-20 PVM 10-3 F	UI710180	1.10 kW	2.4 A	120 °C	85 kg
VARIO3-20 PVM 10-4 F	UI710190	1.50 kW	3.2 A	120 °C	105 kg
VARIO3-20 PVM 10-6 F	UI710200	2.20 kW	4.8 A	120 °C	115 kg
VARIO3-20 PVM 10-8 F	UI700230	3.00 kW	6.4 A	120 °C	135 kg
VARIO3-20 PVM 10-10 F	UI700240	4.00 kW	8.0 A	120 °C	140 kg
VARIO3-20 PVM 10-12 F	UI700250	4.00 kW	9.6 A	120 °C	145 kg
VARIO3-20 PVM 10-14 F	UI700260	5.50 kW	11.0 A	120 °C	150 kg
VARIO3-20 PVM 10-16 F	UI700270	5.50 kW	13.0 A	120 °C	155 kg

Fig. 1



VARIO 3-20 PVM 5-10

BOOSTER SETS - VARIABLE SPEED

Fig. 2

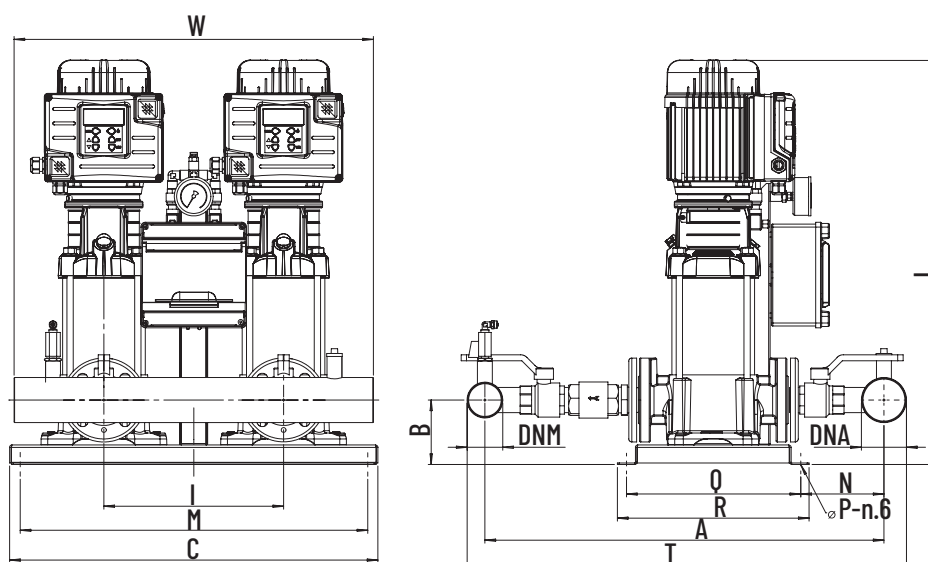
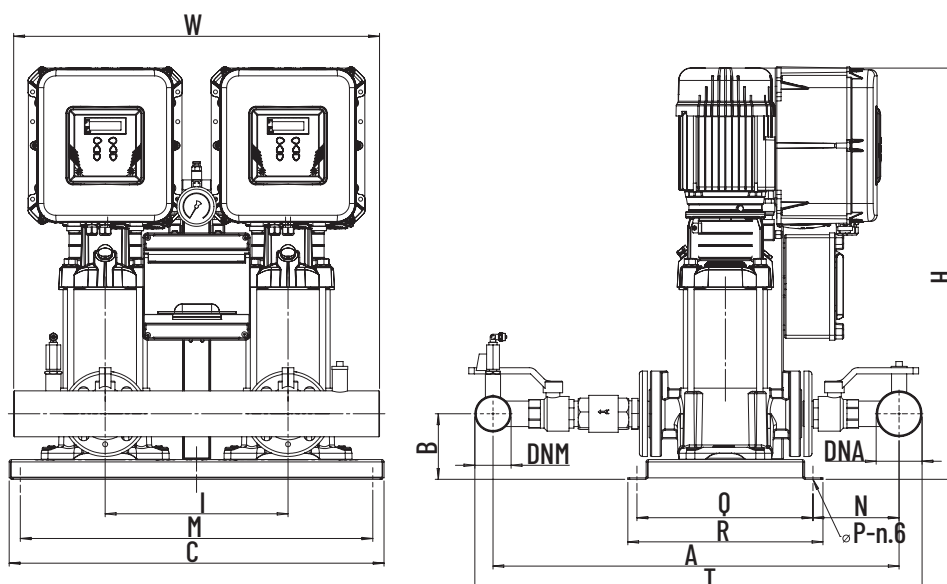


Fig. 3



VARIO 3-20 PVM 5-10

BOOSTER SETS - VARIABLE SPEED

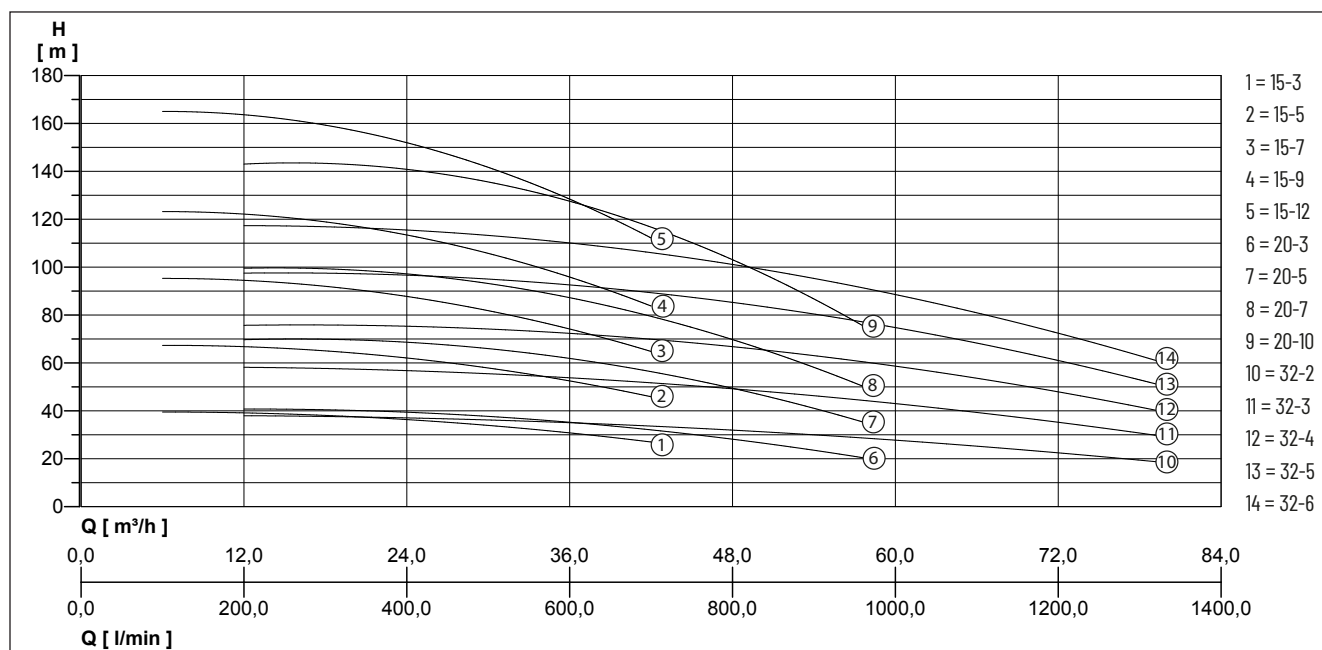
DIMENSIONS [mm]

Type	Fig.	A	B	C	H	I	L	M	N	P	Q	R	T	W	DNA	DNM
VARIO3-20 PVM 5-5 F	1	690	108	615	910	300	634	578,5	145	10,5	290	320	757	600	2"	2"
VARIO3-20 PVM 5-8 F	2	690	108	615		300	715	578,5	145	10,5	290	320	757	600	2"	2"
VARIO3-20 PVM 5-11 F	2	690	108	615		300	844	578,5	145	10,5	290	320	757	600	2"	2"
VARIO3-20 PVM 5-14 F	2	690	108	615		300	925	578,5	145	10,5	290	320	757	600	2"	2"
VARIO3-20 PVM 5-16 F	2	690	108	615		300	979	578,5	145	10,5	290	320	757	600	2"	2"
VARIO3-20 PVM 5-18 F	3	690	108	615	1091	300		578,5	145	10,5	290	320	757	600	2"	2"
VARIO3-20 PVM 5-22 F	3	690	108	615	1206	300		578,5	145	10,5	290	320	757	600	2"	2"
VARIO3-20 PVM 5-24 F	3	690	108	615	1260	300		578,5	145	10,5	290	320	757	600	2"	2"
VARIO3-20 PVM 10-3 F	1	720	113	620	910	370	645	590	158	10,5	290	320	795	670	2 1/2"	2 1/2"
VARIO3-20 PVM 10-4 F	2	720	113	620		370	723	590	158	10,5	290	320	795	670	2 1/2"	2 1/2"
VARIO3-20 PVM 10-6 F	2	720	113	620		370	783	590	158	10,5	290	320	795	670	2 1/2"	2 1/2"
VARIO3-20 PVM 10-8 F	3	720	113	620	902	370		590	158	10,5	290	320	795	670	2 1/2"	2 1/2"
VARIO3-20 PVM 10-10 F	3	720	113	620	969	370		590	158	10,5	290	320	795	670	2 1/2"	2 1/2"
VARIO3-20 PVM 10-12 F	3	720	113	620	1029	370		590	158	10,5	290	320	795	670	2 1/2"	2 1/2"
VARIO3-20 PVM 10-14 F	3	720	113	620	1158	370		590	158	10,5	290	320	795	670	2 1/2"	2 1/2"
VARIO3-20 PVM 10-16 F	3	720	113	620	1218	370		590	158	10,5	290	320	795	670	2 1/2"	2 1/2"

VARIO 3-20 PVM 15 / PVM 20 / PVM 32

BOOSTER SETS - VARIABLE SPEED

PERFORMANCE



We reserve the right to change specifications without notice. Pump performance is subject to ISO 9906 ISO 9906:2012 - Grade 3B tolerances.

Type	Flow rate Q [m³/h]	0	6	12	18	24	30	36	42	48	57.6	200	400	600	800	1000	1200	1320
VARIO3-20 PVM 15-3 F	Delivery head H [m]	39.8	39.6	39.2	37.8	36.3	34.1	31.0	26.8									
VARIO3-20 PVM 15-5 F		68.0	67.4	66.9	64.7	62.0	58.1	52.7	45.7									
VARIO3-20 PVM 15-7 F		96.2	95.3	94.7	91.6	87.7	82.0	74.4	64.6									
VARIO3-20 PVM 15-9 F		124.4	123.2	122.4	118.4	113.4	106.0	96.0	83.6									
VARIO3-20 PVM 15-12 F		166.6	165.0	163.9	158.8	151.9	141.9	128.6	112.0									
VARIO3-20 PVM 20-3 F		42.0		41.0		39.0		35.0		29.0	20.0							
VARIO3-20 PVM 20-5 F		72.0		70.0		68.0		62.0		50.0	35.0							
VARIO3-20 PVM 20-7 F		101.0		100.0		96.0		88.0		70.0	50.0							
VARIO3-20 PVM 20-10 F		146.0		144.0		139.0		127.0		106.0	74.0							
VARIO3-20 PVM 32-2 F		39.0										38.0	37.0	35.0	32.0	28.0	22.0	19.0
VARIO3-20 PVM 32-4 F		76.0										76.0	75.0	72.0	67.0	59.0	48.0	40.0
VARIO3-20 PVM 32-5 F		97.0										98.0	96.0	92.0	86.0	75.0	61.0	51.0
VARIO3-20 PVM 32-3 F		58.0										58.0	57.0	54.0	49.0	43.0	35.0	30.0
VARIO3-20 PVM 32-6 F		118.0										118.0	115.0	109.0	101.0	90.0	73.0	60.0

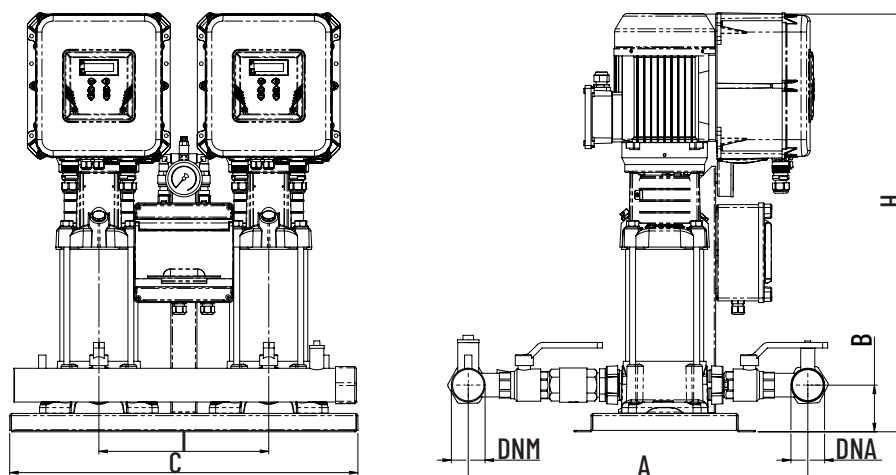
VARIO 3-20 PVM 15 / PVM 20 / PVM 32

BOOSTER SETS - VARIABLE SPEED

VARIO 3-20 PVM 15 / PVM 20 / PVM 32

Type	Code No.	Motor rating 2xP2	Current 2xl	Temperature of the liquid max.	Weight
VARIO3-20 PVM 15-3 F	UI700280	3.0 kW	5.1 A	120 °C	140 kg
VARIO3-20 PVM 15-5 F	UI700290	4.0 kW	8.5 A	120 °C	160 kg
VARIO3-20 PVM 15-7 F	UI700300	5.5 kW	12.0 A	120 °C	210 kg
VARIO3-20 PVM 15-9 F	UI700310	7.5 kW	15.0 A	120 °C	226 kg
VARIO3-20 PVM 15-12 F	UI700320	11.0 kW	20.0 A	120 °C	250 kg
VARIO3-20 PVM 20-3 F	UI700330	4.0 kW	8.5 A	120 °C	140 kg
VARIO3-20 PVM 20-5 F	UI700340	5.5 kW	11.9 A	120 °C	160 kg
VARIO3-20 PVM 20-7 F	UI700350	7.5 kW	15.3 A	120 °C	180 kg
VARIO3-20 PVM 20-10 F	UI700360	11.0 kW	20.4 A	120 °C	210 kg
VARIO3-20 PVM 32-2 F	UI700370	4.0 kW	7.1 A	120 °C	300 kg
VARIO3-20 PVM 32-4 F	UI700390	7.5 kW	14.3 A	120 °C	360 kg
VARIO3-20 PVM 32-5 F	UI700400	11.0 kW	17.8 A	120 °C	380 kg
VARIO3-20 PVM 32-3 F	UI700380	5.5 kW	10.7 A	120 °C	320 kg
VARIO3-20 PVM 32-6 F	UI700410	11.0 kW	21.4 A	120 °C	420 kg

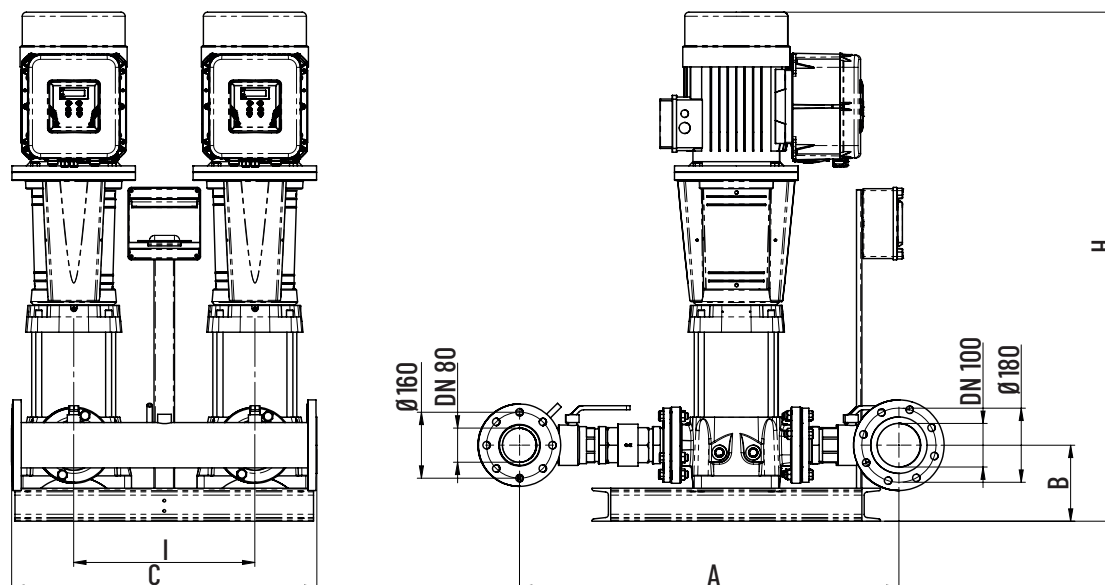
Fig.1



VARIO 3-20 PVM 15 / PVM 20 / PVM 32

BOOSTER SETS - VARIABLE SPEED

Fig.2



DIMENSIONS [mm]

Type	Fig.	A	B	C	H	I	DNA	DNM
VARIO3-20 PVM 15-3 F	1	850	125	710	816	360	3"	3"
VARIO3-20 PVM 15-5 F	1	850	125	710	913	360	3"	3"
VARIO3-20 PVM 15-7 F	1	850	125	710	1072	360	3"	3"
VARIO3-20 PVM 15-9 F	1	850	125	710	1182	360	3"	3"
VARIO3-20 PVM 15-12 F	1	850	125	710	1507	360	3"	3"
VARIO3-20 PVM 20-3 F	1	850	125	710	690	360	3"	3"
VARIO3-20 PVM 20-5 F	1	850	125	710	845	360	3"	3"
VARIO3-20 PVM 20-7 F	1	850	125	710	992	360	3"	3"
VARIO3-20 PVM 20-10 F	1	850	125	710	1122	360	3"	3"
VARIO3-20 PVM 32-2 F	1	950	185	750	982	440	4"	3"
VARIO3-20 PVM 32-4 F	2	950	185	750	1179	440	4"	3"
VARIO3-20 PVM 32-5 F	2	950	185	750	1472	440	4"	3"
VARIO3-20 PVM 32-3 F	2	950	185	750	1089	440	4"	3"
VARIO3-20 PVM 32-6 F	2	950	185	750	1542	440	4"	3"

VARIO 3-30

BOOSTER SETS - VARIABLE SPEED

- Easy to install
- Versatile operation
- Low power consumption



DESCRIPTION

The new series of variable speed pressurization booster set VARIO 3-30 represents a reliable solution which is easy to use, for residential and industrial applications. The system involves the installation of three pumps in parallel featuring electronic control. VARIO3 is an electronic device capable of changing the frequency of a pump. Integrated directly on the motor, it allows to adjust its speed so as to supply the same pressure at all times, even when the water demand changes.

When the system pressure drops below the set threshold, the module starts the first pump of the unit to restore to set-point pressure; the speed of rotation of the pump varies according to the water demand so, a greater demand will correspond to a higher speed, until the maximum speed set has been reached, after which, if the system requires greater performance, the module will activate the second and then the third pump to keep the pressure stable. As the water demand decreases, the speed of the last pump started is reduced, until it turns off. The module will keep the first pump on until the minimum set speed has been reached, after which, if there are no further requests for water, the pump will be stopped. VARIO3-30 features five operating modes to meet the operating needs.

MECHANICAL DATA

Operating pressure max.	16 bar	Type of liquid	clean water without suspended solids or abrasive material
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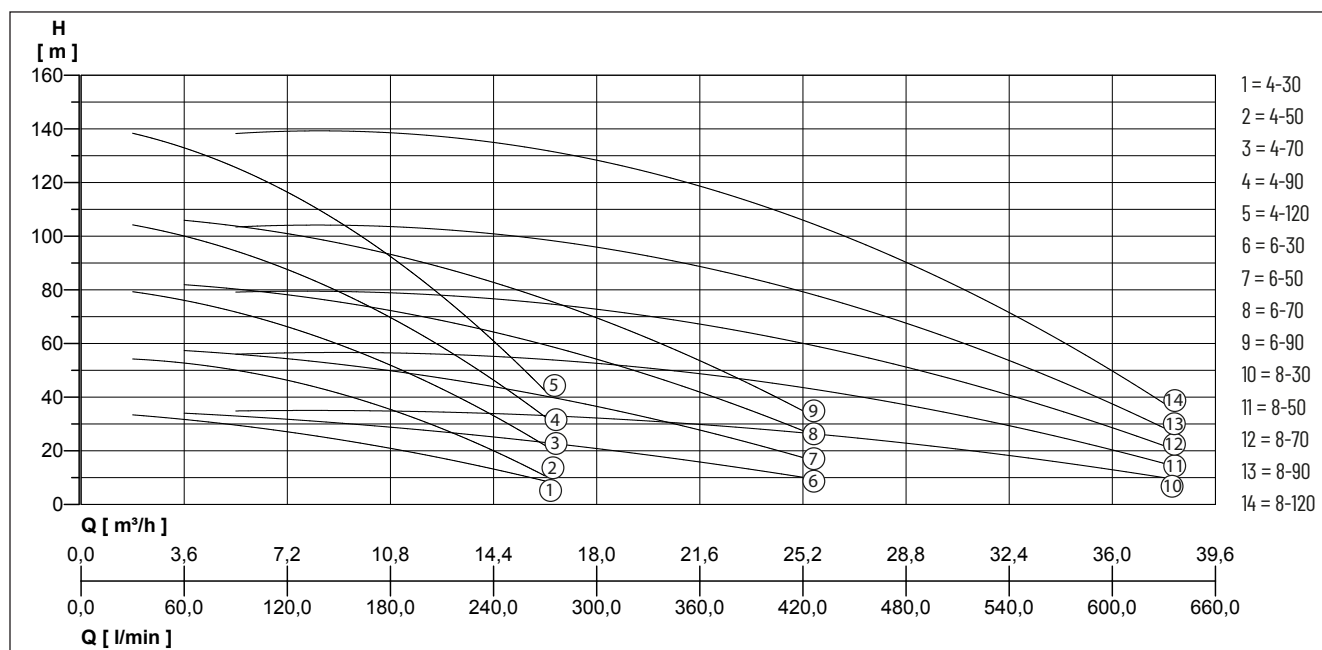
ELECTRICAL DATA

Voltage	3/N/PE~400 V	Ambient temperature max.	50 °C
Type of enclosure	IP 55		

VARIO 3-30 MULTINOX VE +

BOOSTER SETS - VARIABLE SPEED

PERFORMANCE



We reserve the right to change specifications without notice. Pump performance is subject to ISO 9906 ISO 9906:2012 - Grade 3B tolerances.

Type	Flow rate Q [m³/h]	1.8	3.6	5.4	7.2	9	10.8	12.6	14.4	16.2	18	21.6	25.2	27	32.4	37.8
VARIO3-30 MULTINOX VE+ 4-30	Delivery head H [m]	33	32	30	27	24	21	17	13	9						
VARIO3-30 MULTINOX VE+ 4-50		55	52	50	46	41	35	29	22	15						
VARIO3-30 MULTINOX VE+ 4-70		79	76	72	67	60	51	42	34	22						
VARIO3-30 MULTINOX VE+ 4-90		104	100	95	88	79	69	58	48	32						
VARIO3-30 MULTINOX VE+ 4-120		138	133	126	117	105	92	78	60	43						
VARIO3-30 MULTINOX VE+ 6-30			34	33	32	30	29	27	25	23	21	16	10			
VARIO3-30 MULTINOX VE+ 6-50			58	56	54	52	49	47	44	41	37	28	17			
VARIO3-30 MULTINOX VE+ 6-70			83	80	77	76	71	69	64	60	55	42	27			
VARIO3-30 MULTINOX VE+ 6-90			107	104	100	97	92	88	83	77	71	54	34			
VARIO3-30 MULTINOX VE+ 8-30				35	35	35	35	34	34	33	32	30	27	25	18	10
VARIO3-30 MULTINOX VE+ 8-50				57	56	56	56	56	55	54	53	50	44	40	28	16
VARIO3-30 MULTINOX VE+ 8-70				80	80	79	78	77	76	75	73	69	60	56	40	22
VARIO3-30 MULTINOX VE+ 8-90				104	104	104	103	103	101	98	94	90	82	73	52	29
VARIO3-30 MULTINOX VE+ 8-120				139	139	139	138	138	135	131	126	120	109	98	70	38

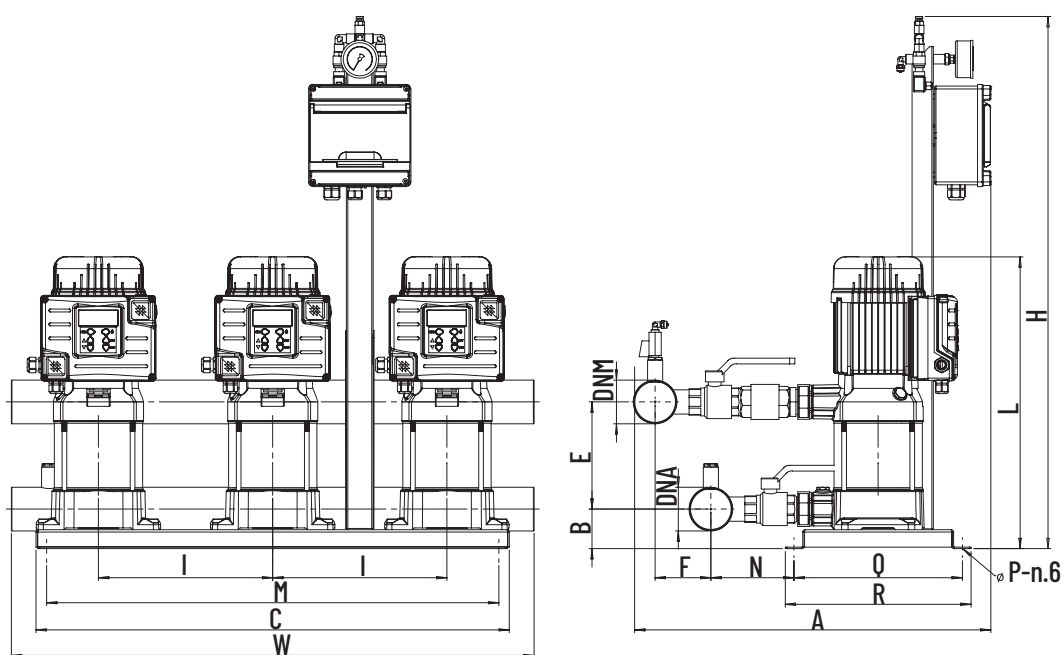
VARIO 3-30 MULTINOX VE +

BOOSTER SETS - VARIABLE SPEED

VARIO 3-30 MULTINOX VE +

Type	Code No.	Motor rating 3xP2	Current 3xI	Temperature of the liquid max.	Weight
VARIO3-30 MULTINOX VE+ 4-30	UI810280	0.50 kW	2.54 A	50 °C	116 kg
VARIO3-30 MULTINOX VE+ 4-50	UI810290	0.84 kW	3.90 A	50 °C	129 kg
VARIO3-30 MULTINOX VE+ 4-70	UI810300	1.17 kW	5.46 A	50 °C	141 kg
VARIO3-30 MULTINOX VE+ 4-90	UI810310	1.50 kW	7.22 A	50 °C	144 kg
VARIO3-30 MULTINOX VE+ 4-120	UI810320	2.00 kW	9.42 A	50 °C	150 kg
VARIO3-30 MULTINOX VE+ 6-30	UI810240	0.67 kW	3.58 A	50 °C	117 kg
VARIO3-30 MULTINOX VE+ 6-50	UI810250	1.10 kW	5.26 A	50 °C	129 kg
VARIO3-30 MULTINOX VE+ 6-70	UI810260	1.50 kW	8.21 A	50 °C	141 kg
VARIO3-30 MULTINOX VE+ 6-90	UI810270	2.00 kW	9.13 A	50 °C	144 kg
VARIO3-30 MULTINOX VE+ 8-30	UI810210	1.00 kW	2.60 A	50 °C	117 kg
VARIO3-30 MULTINOX VE+ 8-50	UI810220	1.50 kW	4.33 A	50 °C	129 kg
VARIO3-30 MULTINOX VE+ 8-70	UI810230	1.90 kW	6.13 A	50 °C	141 kg
VARIO3-30 MULTINOX VE+ 8-90	UI800180	3.00 kW	9.70 A	50 °C	178 kg
VARIO3-30 MULTINOX VE+ 8-120	UI800190	4.00 kW	12.30 A	50 °C	185 kg

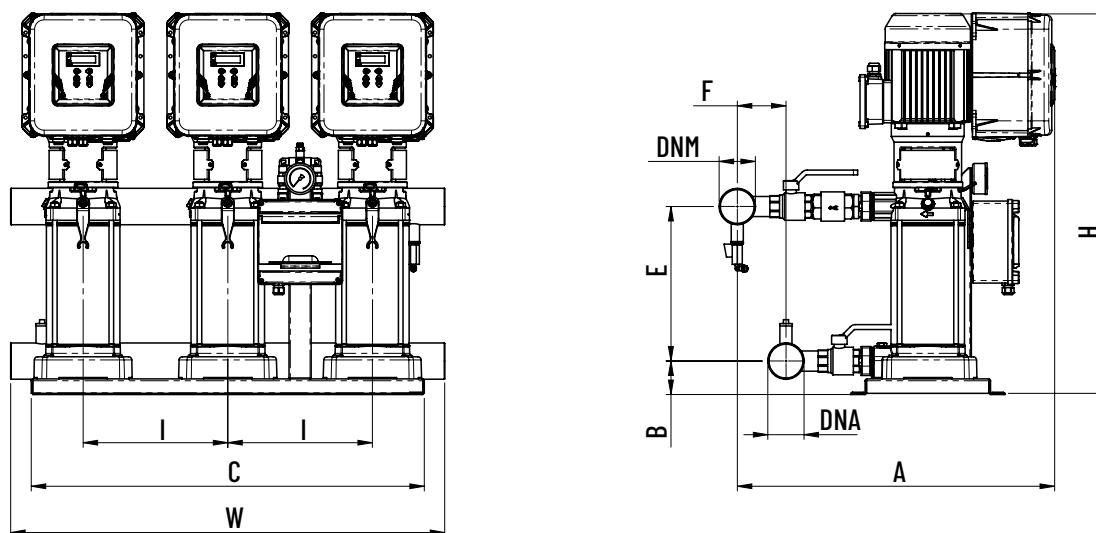
Fig. 1



VARIO 3-30 MULTINOX VE +

BOOSTER SETS - VARIABLE SPEED

Fig. 2



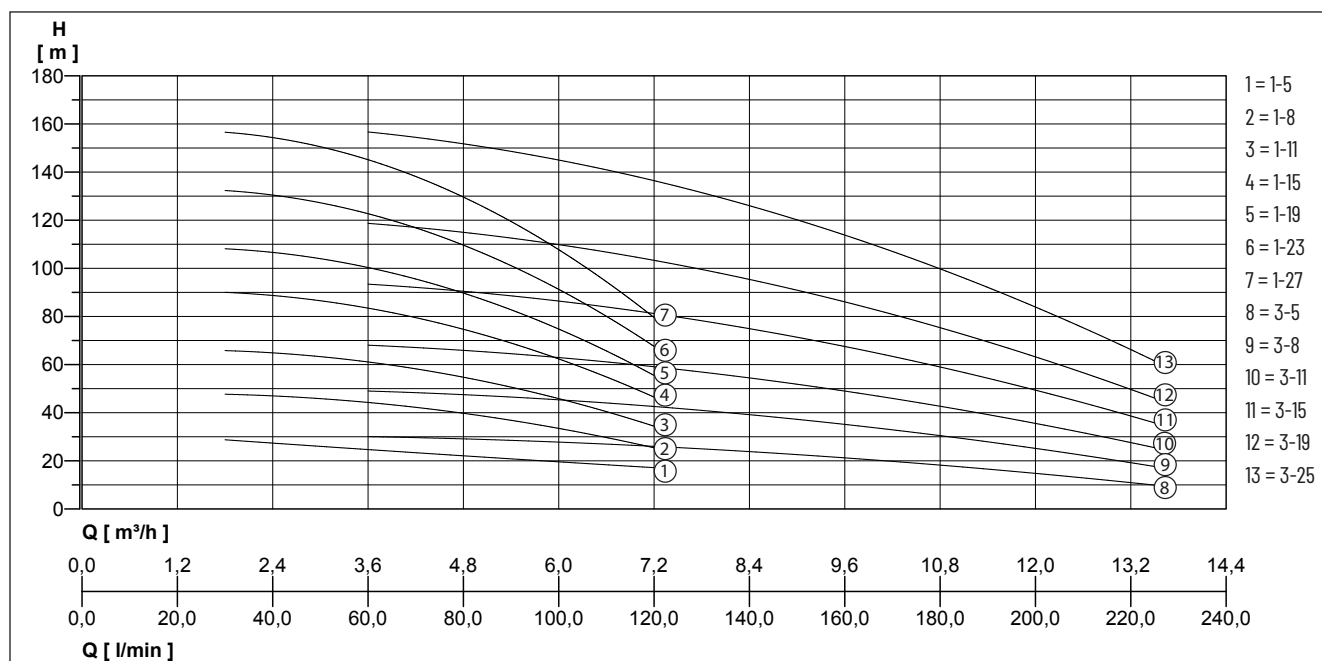
DIMENSIONS [mm]

Type	Fig.	A	B	C	F	H	I	L	M	N	P	Q	R	W	DNA	DNM	E
VARIO3-30 MULTINOX VE+ 4-30	1	615	68	815	96	910	300	449	778,5	145	10,5	290	320	900	2 1/2"	2 1/2"	130
VARIO3-30 MULTINOX VE+ 4-50	1	615	68	815	96	910	300	503	778,5	145	10,5	290	320	900	2 1/2"	2 1/2"	184
VARIO3-30 MULTINOX VE+ 4-70	1	615	68	815	96	910	300	557	778,5	145	10,5	290	320	900	2 1/2"	2 1/2"	238
VARIO3-30 MULTINOX VE+ 4-90	1	615	68	815	96	910	300	611	778,5	145	10,5	290	320	900	2 1/2"	2 1/2"	292
VARIO3-30 MULTINOX VE+ 4-120	1	615	68	815	96	910	300	693	778,5	145	10,5	290	320	900	2 1/2"	2 1/2"	373
VARIO3-30 MULTINOX VE+ 6-30	1	615	68	815	96	910	300	449	778,5	145	10,5	290	320	900	2 1/2"	2 1/2"	130
VARIO3-30 MULTINOX VE+ 6-50	1	615	68	815	96	910	300	503	778,5	145	10,5	290	320	900	2 1/2"	2 1/2"	184
VARIO3-30 MULTINOX VE+ 6-70	1	615	68	815	96	910	300	557	778,5	145	10,5	290	320	900	2 1/2"	2 1/2"	238
VARIO3-30 MULTINOX VE+ 6-90	1	615	68	815	96	910	300	611	778,5	145	10,5	290	320	900	2 1/2"	2 1/2"	292
VARIO3-30 MULTINOX VE+ 8-30	1	615	68	815	96	910	300	449	778,5	145	10,5	290	320	900	2 1/2"	2 1/2"	130
VARIO3-30 MULTINOX VE+ 8-50	1	615	68	815	96	910	300	503	778,5	145	10,5	290	320	900	2 1/2"	2 1/2"	184
VARIO3-30 MULTINOX VE+ 8-70	1	615	68	815	96	910	300	557	778,5	145	10,5	290	320	900	2 1/2"	2 1/2"	238
VARIO3-30 MULTINOX VE+ 8-90	2	780	68	815	96	765	300	765	778,5	145	10,5	290	320	900	2 1/2"	2 1/2"	292
VARIO3-30 MULTINOX VE+ 8-120	2	780	68	815	96	890	300	890	778,5	145	10,5	290	320	900	2 1/2"	2 1/2"	373

VARIO 3-30 PVM 1-3

BOOSTER SETS - VARIABLE SPEED

PERFORMANCE



We reserve the right to change specifications without notice. Pump performance is subject to ISO 9906 ISO 9906:2012 - Grade 3B tolerances.

Type	Flow rate Q [m³/h]	0	1.8	3.6	5.4	7.2	10.8	13.5
VARIO3-30 PVM 1-5 F	Delivery head H [m]	30.4	29.4	22.7	22.8	16.5		
VARIO3-30 PVM 1-8 F		48.8	47.6	44.5	36.6	25.5		
VARIO3-30 PVM 1-11 F		67.2	65.7	61.4	50.3	34.5		
VARIO3-30 PVM 1-15 F		91.6	89.9	83.8	68.6	46.6		
VARIO3-30 PVM 1-19 F		110.0	108.0	100.7	82.4	55.6		
VARIO3-30 PVM 1-23 F		134.5	132.2	123.1	100.7	67.7		
VARIO3-30 PVM 1-27 F		159.0	156.4	145.6	119.0	79.7		
VARIO3-30 PVM 3-5 F		31.9		30.0		26.2	18.0	10.0
VARIO3-30 PVM 3-8 F		51.9		48.9		42.9	30.1	17.8
VARIO3-30 PVM 3-11 F		71.8		67.9		59.6	42.1	25.7
VARIO3-30 PVM 3-15 F		98.4		93.2		81.9	58.2	36.1
VARIO3-30 PVM 3-19 F		125.0		118.4		104.2	74.3	46.5
VARIO3-30 PVM 3-25 F		164.9		156.3		137.6	98.4	62.1

VARIO 3-30 PVM 1-3

Type	Code No.	Motor rating 3xP2	Current 3xI	Temperature of the liquid max.	Weight
VARIO3-30 PVM 1-5 F	UI810000	0.37 kW	1.50 A	120 °C	90 kg
VARIO3-30 PVM 1-8 F	UI810010	0.55 kW	2.30 A	120 °C	93 kg
VARIO3-30 PVM 1-11 F	UI810020	0.55 kW	3.20 A	120 °C	101 kg
VARIO3-30 PVM 1-15 F	UI810030	0.75 kW	4.40 A	120 °C	110 kg
VARIO3-30 PVM 1-19 F	UI810040	1.10 kW	5.50 A	120 °C	120 kg
VARIO3-30 PVM 1-23 F	UI810050	1.10 kW	6.70 A	120 °C	135 kg
VARIO3-30 PVM 1-27 F	UI810060	1.50 kW	7.80 A	120 °C	141 kg
VARIO3-30 PVM 3-5 F	UI810070	0.37 kW	0.90 A	120 °C	93 kg
VARIO3-30 PVM 3-8 F	UI810080	0.75 kW	1.45 A	120 °C	98 kg
VARIO3-30 PVM 3-11 F	UI810090	0.75 kW	2.00 A	120 °C	110 kg
VARIO3-30 PVM 3-15 F	UI810100	1.10 kW	2.70 A	120 °C	113 kg
VARIO3-30 PVM 3-19 F	UI810110	1.50 kW	3.40 A	120 °C	120 kg
VARIO3-30 PVM 3-25 F	UI810120	2.20 kW	4.50 A	120 °C	135 kg

VARIO 3-30 PVM 1-3

BOOSTER SETS - VARIABLE SPEED

Fig. 1

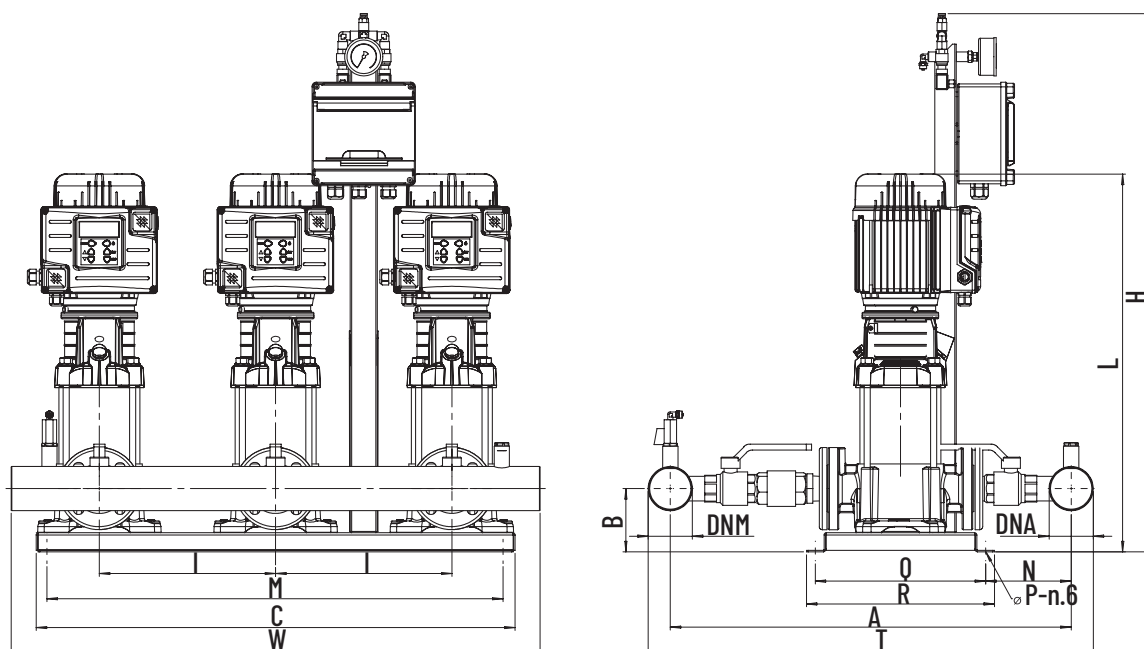
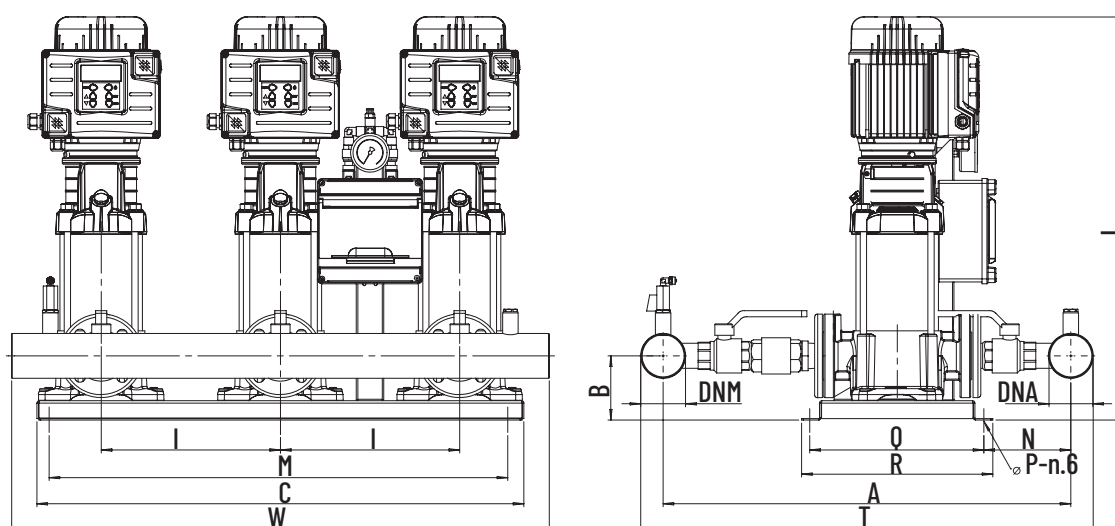


Fig. 2



VARIO 3-30 PVM 1-3

BOOSTER SETS - VARIABLE SPEED

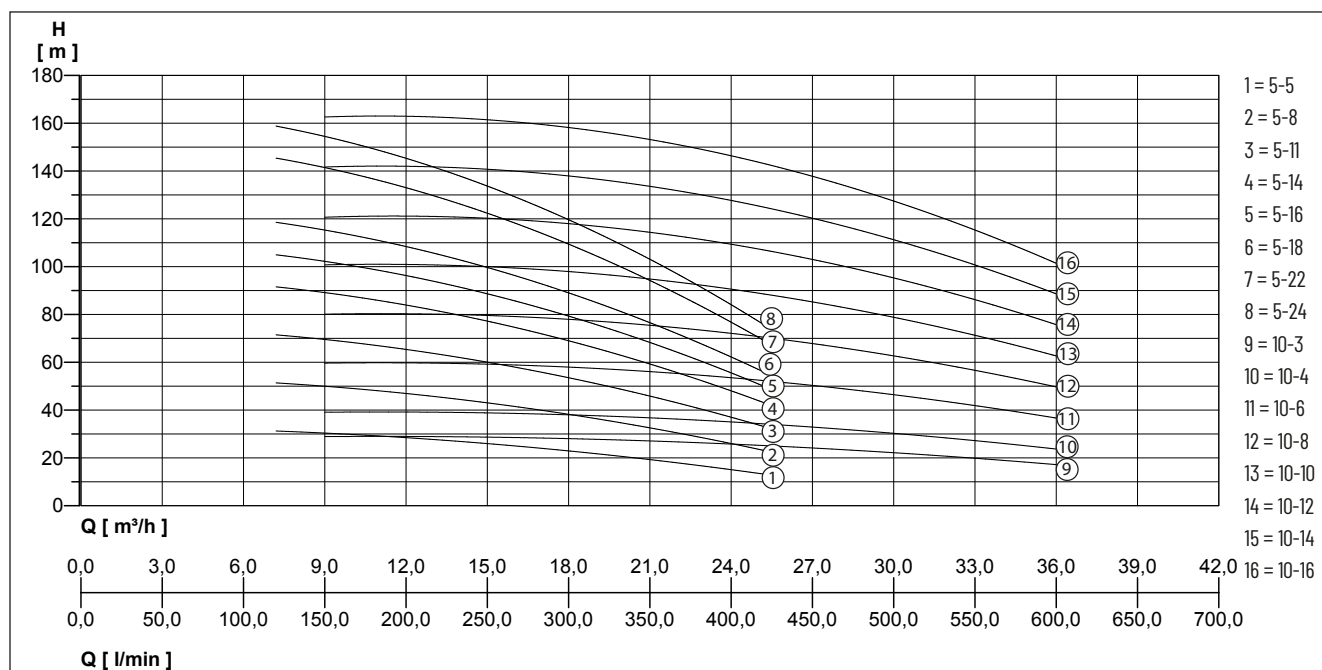
DIMENSIONS [mm]

Type	Fig.	A	B	C	H	I	L	M	N	P	Q	R	T	W	DNA	DNM
VARIO3-30 PVM 1-5 F	1	690	108	815	910	300	543	778,5	145	10,5	290	320	765	900	2 1/2"	2 1/2"
VARIO3-30 PVM 1-8 F	1	690	108	815	910	300	597	778,5	145	10,5	290	320	765	900	2 1/2"	2 1/2"
VARIO3-30 PVM 1-11 F	2	690	108	815	651	300	651	778,5	145	10,5	290	320	765	900	2 1/2"	2 1/2"
VARIO3-30 PVM 1-15 F	2	690	108	815	769	300	769	778,5	145	10,5	290	320	765	900	2 1/2"	2 1/2"
VARIO3-30 PVM 1-19 F	2	690	108	815	841	300	841	778,5	145	10,5	290	320	765	900	2 1/2"	2 1/2"
VARIO3-30 PVM 1-23 F	2	690	108	815	913	300	913	778,5	145	10,5	290	320	765	900	2 1/2"	2 1/2"
VARIO3-30 PVM 1-27 F	2	690	108	815	1033	300	1033	778,5	145	10,5	290	320	765	900	2 1/2"	2 1/2"
VARIO3-30 PVM 3-5 F	1	690	108	815	910	300	543	778,5	145	10,5	290	320	765	900	2 1/2"	2 1/2"
VARIO3-30 PVM 3-8 F	1	690	108	815	910	300	643	778,5	145	10,5	290	320	765	900	2 1/2"	2 1/2"
VARIO3-30 PVM 3-11 F	2	690	108	815	697	300	697	778,5	145	10,5	290	320	765	900	2 1/2"	2 1/2"
VARIO3-30 PVM 3-15 F	2	690	108	815	769	300	769	778,5	145	10,5	290	320	765	900	2 1/2"	2 1/2"
VARIO3-30 PVM 3-19 F	2	690	108	815	889	300	889	778,5	145	10,5	290	320	765	900	2 1/2"	2 1/2"
VARIO3-30 PVM 3-25 F	2	690	108	815	997	300	997	778,5	145	10,5	290	320	765	900	2 1/2"	2 1/2"

VARIO 3-30 PVM 5-10

BOOSTER SETS - VARIABLE SPEED

PERFORMANCE



We reserve the right to change specifications without notice. Pump performance is subject to ISO 9906 ISO 9906:2012 - Grade 3B tolerances.

Type	Flow rate Q [m^3/h]	0	7.2	9	10.8	14.4	18	21.6	25.2	27	36
VARIO3-30 PVM 5-5 F	Delivery head H [m]	32.0	31.0		30.0	30.0	29.0	28.0	13.5		
VARIO3-30 PVM 5-8 F		52.0	51.0		50.0	48.0	47.0	45.0	23.6		
VARIO3-30 PVM 5-11 F		74.0	72.0		70.0	69.0	68.0	65.0	33.8		
VARIO3-30 PVM 5-14 F		93.0	91.0		90.0	89.0	87.0	84.0	43.9		
VARIO3-30 PVM 5-16 F		107.0	105.0		101.0	102.0	98.0	95.0	50.7		
VARIO3-30 PVM 5-18 F		122.0	117.8		112.0	102.7	89.3	71.1	57.4		
VARIO3-30 PVM 5-22 F		149.0	144.5		137.4	126.1	110.0	87.6	70.9		
VARIO3-30 PVM 5-24 F		163.0	157.8		150.1	137.8	120.0	95.9	77.7		
VARIO3-30 PVM 10-3 F		28.6		29.0			27.8			24.4	17.1
VARIO3-30 PVM 10-4 F		38.8		39.2			37.7			33.2	23.6
VARIO3-30 PVM 10-6 F		59.2		59.8			57.5			50.8	36.5
VARIO3-30 PVM 10-8 F		79.6		80.3			77.4			68.4	49.5
VARIO3-30 PVM 10-10 F		99.9		101.0			97.2			86.0	62.4
VARIO3-30 PVM 10-12 F		120.0		121.0			117.0			104.0	75.4
VARIO3-30 PVM 10-14 F		141.0		142.0			137.0			121.2	88.3
VARIO3-30 PVM 10-16 F		161.0		163.0			157.0			139.0	101.0

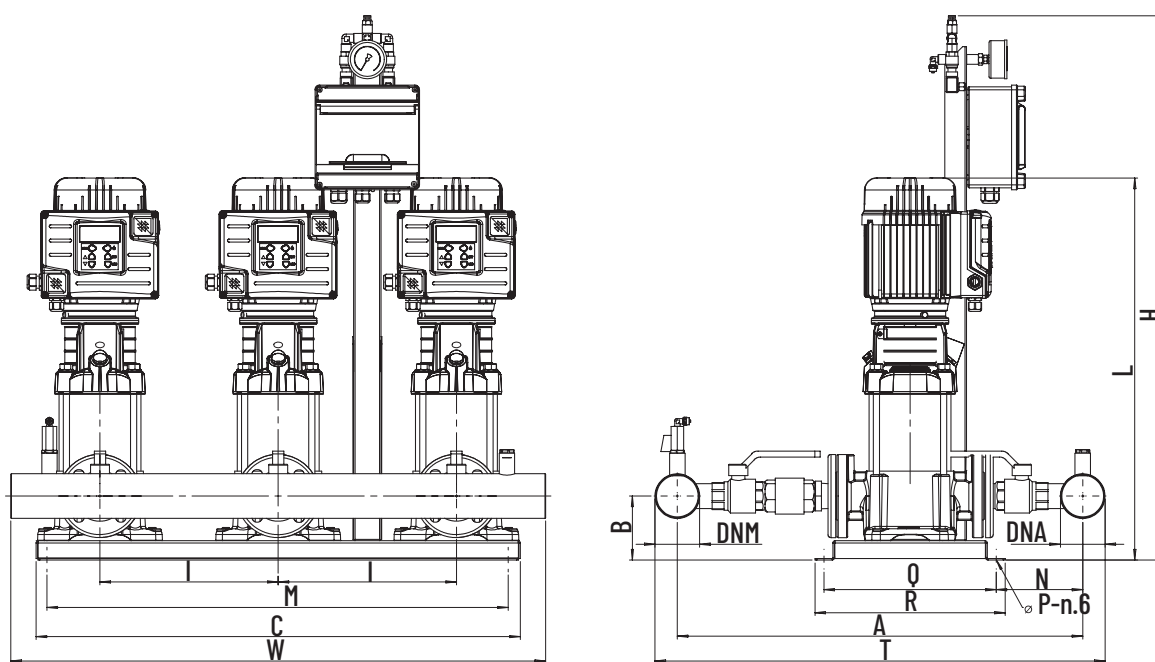
VARIO 3-30 PVM 5-10

BOOSTER SETS - VARIABLE SPEED

VARIO 3-30 PVM 5-10

Type	Code No.	Motor rating 3xP2	Current 3xl	Temperature of the liquid max.	Weight
VARIO3-30 PVM 5-5 F	UI810130	0.75 kW	1.7 A	120 °C	114 kg
VARIO3-30 PVM 5-8 F	UI810140	1.10 kW	2.7 A	120 °C	120 kg
VARIO3-30 PVM 5-11 F	UI810150	2.20 kW	3.7 A	120 °C	138 kg
VARIO3-30 PVM 5-14 F	UI810160	2.20 kW	4.8 A	120 °C	147 kg
VARIO3-30 PVM 5-16 F	UI810170	2.20 kW	5.4 A	120 °C	150 kg
VARIO3-30 PVM 5-18 F	UI800200	3.00 kW	6.1 A	120 °C	224 kg
VARIO3-30 PVM 5-22 F	UI800210	4.00 kW	7.5 A	120 °C	229 kg
VARIO3-30 PVM 5-24 F	UI800220	4.00 kW	8.2 A	120 °C	248 kg
VARIO3-30 PVM 10-3 F	UI810180	1.50 kW	2.4 A	120 °C	128 kg
VARIO3-30 PVM 10-4 F	UI810190	2.00 kW	3.2 A	120 °C	158 kg
VARIO3-30 PVM 10-6 F	UI810200	2.20 kW	4.8 A	120 °C	173 kg
VARIO3-30 PVM 10-8 F	UI800230	3.00 kW	6.4 A	120 °C	147 kg
VARIO3-30 PVM 10-10 F	UI800240	4.00 kW	8.0 A	120 °C	150 kg
VARIO3-30 PVM 10-12 F	UI800250	4.00 kW	9.6 A	120 °C	224 kg
VARIO3-30 PVM 10-14 F	UI800260	5.50 kW	11.2 A	120 °C	229 kg
VARIO3-30 PVM 10-16 F	UI800270	5.50 kW	12.8 A	120 °C	248 kg

Fig. 1



VARIO 3-30 PVM 5-10

BOOSTER SETS - VARIABLE SPEED

Fig. 2

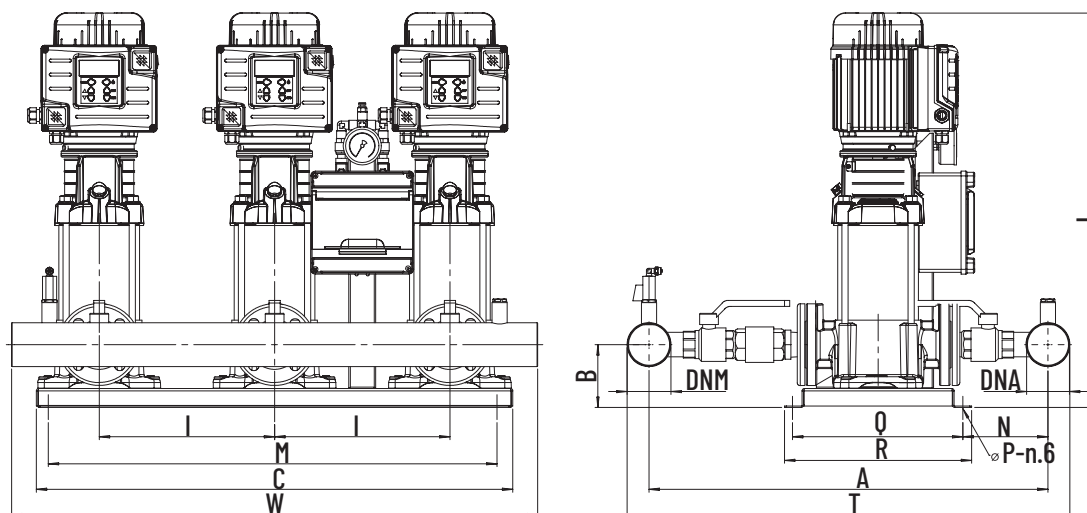
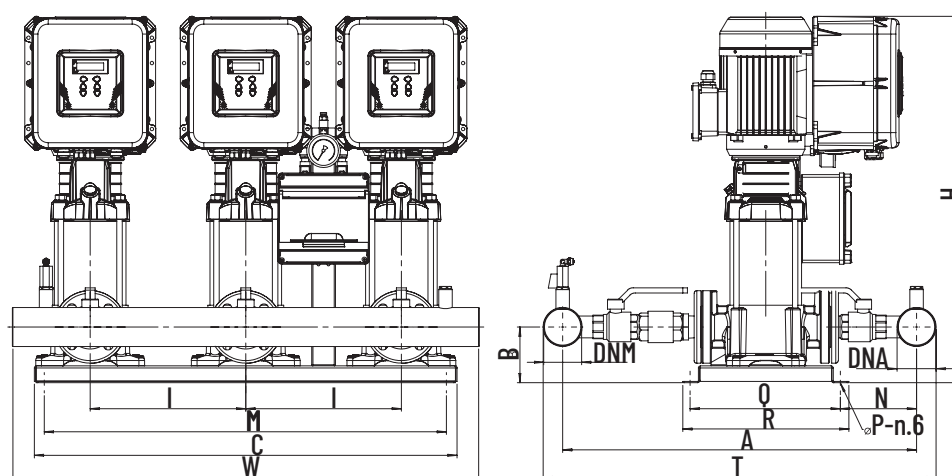


Fig. 3



VARIO 3-30 PVM 5-10

BOOSTER SETS - VARIABLE SPEED

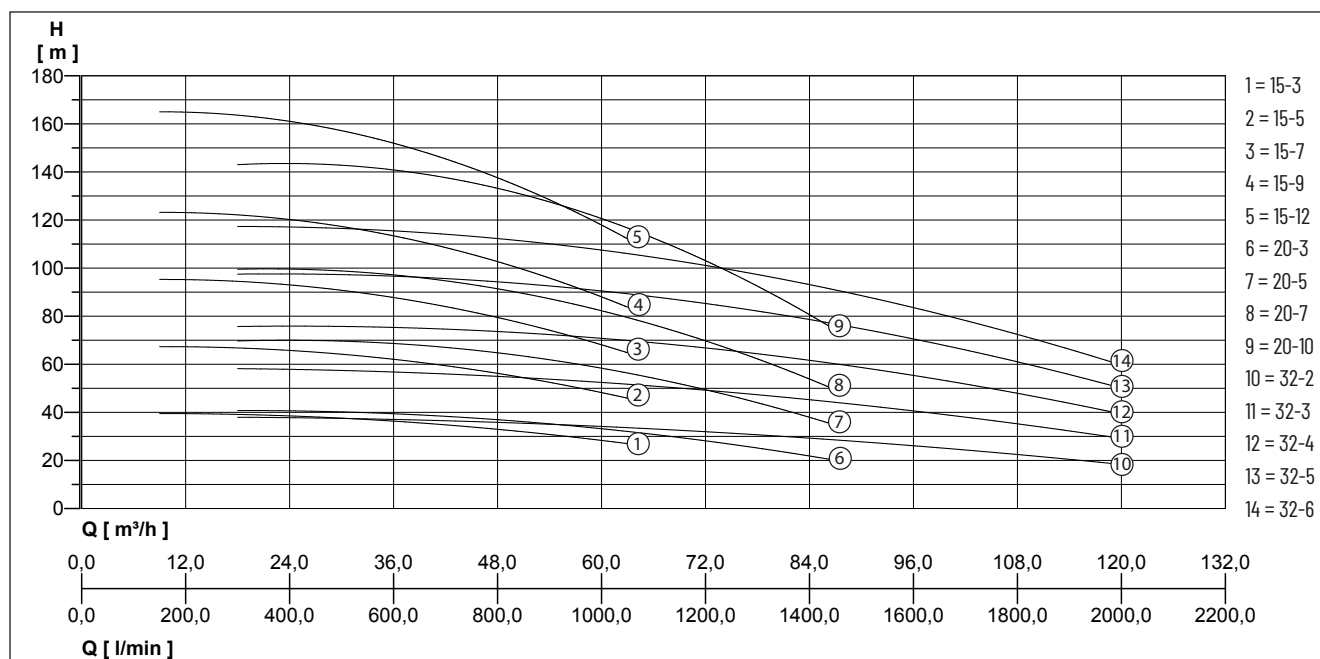
DIMENSIONS [mm]

Type	Fig.	A	B	C	H	I	L	M	N	P	Q	R	T	W	DNA	DNM
VARIO3-30 PVM 5-5 F	1	690	108	815	910	300	634	778,5	145	10,5	290	320	765	900	2 1/2"	2 1/2"
VARIO3-30 PVM 5-8 F	2	690	108	815	715	300	715	778,5	145	10,5	290	320	765	900	2 1/2"	2 1/2"
VARIO3-30 PVM 5-11 F	2	690	108	815	844	300	844	778,5	145	10,5	290	320	765	900	2 1/2"	2 1/2"
VARIO3-30 PVM 5-14 F	2	690	108	815	925	300	925	778,5	145	10,5	290	320	765	900	2 1/2"	2 1/2"
VARIO3-30 PVM 5-16 F	2	690	108	815	979	300	979	778,5	145	10,5	290	320	765	900	2 1/2"	2 1/2"
VARIO3-30 PVM 5-18 F	3	690	108	815	1091	300		778,5	145	10,5	290	320	765	900	2 1/2"	2 1/2"
VARIO3-30 PVM 5-22 F	3	690	108	815	1206	300		778,5	145	10,5	290	320	765	900	2 1/2"	2 1/2"
VARIO3-30 PVM 5-24 F	3	690	108	815	1260	300		778,5	145	10,5	290	320	765	900	2 1/2"	2 1/2"
VARIO3-30 PVM 10-3 F	1	720	113	1000	910	370	645	963,5	158	10,5	290	320	795	1040	2 1/2"	2 1/2"
VARIO3-30 PVM 10-4 F	2	720	113	1000	723	370	723	963,5	158	10,5	290	320	795	1040	2 1/2"	2 1/2"
VARIO3-30 PVM 10-6 F	2	720	113	1000	783	370	783	963,5	158	10,5	290	320	795	1040	2 1/2"	2 1/2"
VARIO3-30 PVM 10-8 F	3	720	113	1000	902	370		963,5	158	10,5	290	320	795	1040	2 1/2"	2 1/2"
VARIO3-30 PVM 10-10 F	3	720	113	1000	969	370		963,5	158	10,5	290	320	795	1040	2 1/2"	2 1/2"
VARIO3-30 PVM 10-12 F	3	720	113	1000	1029	370		963,5	158	10,5	290	320	795	1040	2 1/2"	2 1/2"
VARIO3-30 PVM 10-14 F	3	720	113	1000	1158	370		963,5	158	10,5	290	320	795	1040	2 1/2"	2 1/2"
VARIO3-30 PVM 10-16 F	3	720	113	1000	1218	370		963,5	158	10,5	290	320	795	1040	2 1/2"	2 1/2"

VARIO 3-30 PVM 15 / PVM 20 / PVM 32

BOOSTER SETS - VARIABLE SPEED

PERFORMANCE



We reserve the right to change specifications without notice. Pump performance is subject to ISO 9906 ISO 9906:2012 - Grade 3B tolerances.

Type	Flow rate Q [m^3/h]	0	9	18	27	36	45	54	63	72	86.4	90	108	118.8
VARIO3-30 PVM 15-3 F	Delivery head H [m]	39.8	39.6	39.2	37.8	36.3	34.1	31.0	26.8					
VARIO3-30 PVM 15-5 F		68.0	67.4	66.9	64.7	62.0	58.1	52.7	45.7					
VARIO3-30 PVM 15-7 F		96.2	95.3	94.7	91.6	87.7	82.0	74.4	64.6					
VARIO3-30 PVM 15-9 F		124.4	123.2	122.4	118.4	113.4	106.0	96.0	83.6					
VARIO3-30 PVM 15-12 F		166.6	165.0	163.9	158.8	151.9	141.9	128.6	112.0					
VARIO3-30 PVM 20-3 F		42.0		41.0		39.0		35.0		29.0	20.0			
VARIO3-30 PVM 20-5 F		72.0		70.0		68.0		62.0		50.0	35.0			
VARIO3-30 PVM 20-7 F		101.0		100.0		96.0		88.0		70.0	50.0			
VARIO3-30 PVM 20-10 F		146.0		144.0		139.0		127.0		106.0	74.0			
VARIO3-30 PVM 32-2 F		39.0		38.0		37.0		35.0		32.0		28.0	22.0	19.0
VARIO3-30 PVM 32-3 F		58.0		58.0		57.0		54.0		49.0		43.0	35.0	30.0
VARIO3-30 PVM 32-4 F		76.0		76.0		75.0		72.0		67.0		59.0	48.0	40.0
VARIO3-30 PVM 32-5 F		97.0		98.0		96.0		92.0		86.0		75.0	61.0	51.0
VARIO3-30 PVM 32-6 F		118.0		118.0		115.0		109.0		101.0		90.0	73.0	60.0

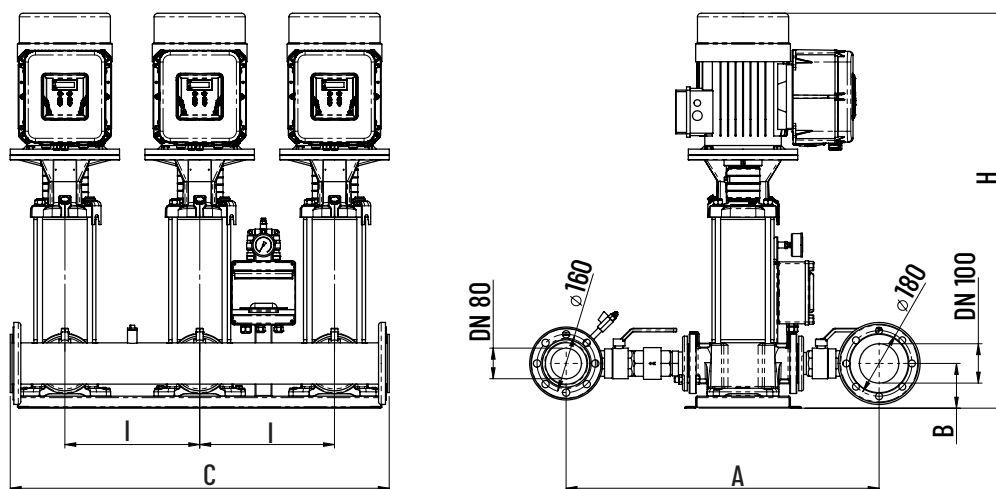
VARIO 3-30 PVM 15 / PVM 20 / PVM 32

BOOSTER SETS - VARIABLE SPEED

VARIO 3-30 PVM 15 / PVM 20 / PVM 32

Type	Code No.	Motor rating 3xP2	Current 3xl	Temperature of the liquid max.	Weight
VARIO3-30 PVM 15-3 F	UI800280	3.0 kW	5.1 A	120 °C	207 kg
VARIO3-30 PVM 15-5 F	UI800290	4.0 kW	8.5 A	120 °C	252 kg
VARIO3-30 PVM 15-7 F	UI800300	5.5 kW	11.9 A	120 °C	354 kg
VARIO3-30 PVM 15-9 F	UI800310	7.5 kW	15.3 A	120 °C	381 kg
VARIO3-30 PVM 15-12 F	UI800320	11.0 kW	20.4 A	120 °C	500 kg
VARIO3-30 PVM 20-3 F	UI800330	4.0 kW	8.5 A	120 °C	243 kg
VARIO3-30 PVM 20-5 F	UI800340	5.5 kW	11.9 A	120 °C	345 kg
VARIO3-30 PVM 20-7 F	UI800350	7.5 kW	15.3 A	120 °C	372 kg
VARIO3-30 PVM 20-10 F	UI800360	11.0 kW	20.4 A	120 °C	492 kg
VARIO3-30 PVM 32-2 F	UI800370	4.0 kW	7.1 A	120 °C	418 kg
VARIO3-30 PVM 32-3 F	UI800380	5.5 kW	10.7 A	120 °C	485 kg
VARIO3-30 PVM 32-4 F	UI800390	7.5 kW	14.3 A	120 °C	515 kg
VARIO3-30 PVM 32-5 F	UI800400	11.0 kW	17.8 A	120 °C	644 kg
VARIO3-30 PVM 32-6 F	UI800410	11.0 kW	21.4 A	120 °C	656 kg

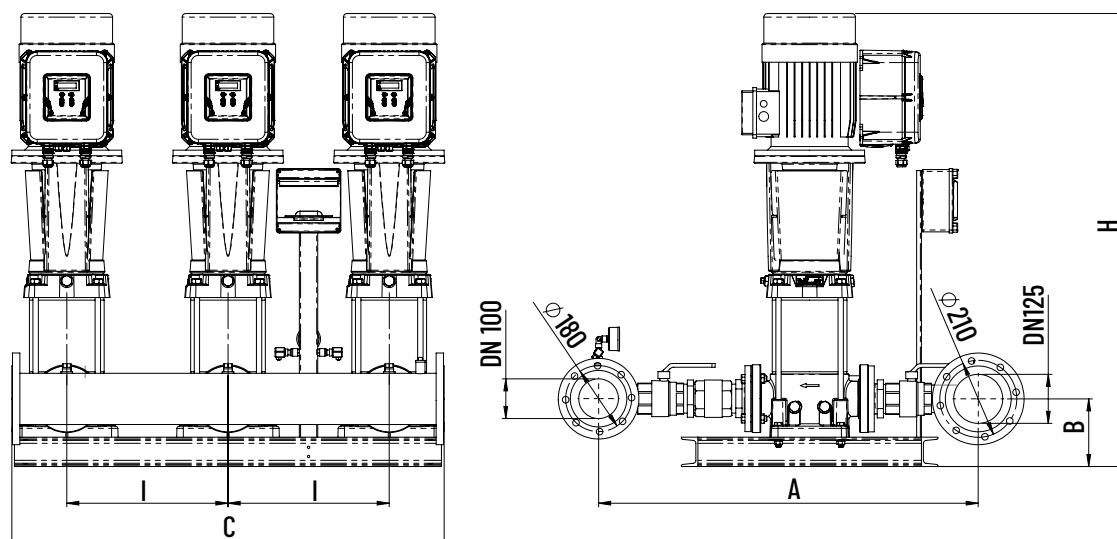
Fig.1



VARIO 3-30 PVM 15 / PVM 20 / PVM 32

BOOSTER SETS - VARIABLE SPEED

Fig.2



DIMENSIONS [mm]

Type	Fig.	A	B	C	H	I	DNA	DNM
VARIO3-30 PVM 15-3 F	1	860	125	1040	786	370	3"	3"
VARIO3-30 PVM 15-5 F	1	860	125	1040	883	370	3"	3"
VARIO3-30 PVM 15-7 F	1	860	125	1040	1042	370	3"	3"
VARIO3-30 PVM 15-9 F	1	860	125	1040	1152	370	3"	3"
VARIO3-30 PVM 15-12 F	1	860	125	1040	1417	370	3"	3"
VARIO3-30 PVM 20-3 F	1	860	125	1040	793	370	3"	3"
VARIO3-30 PVM 20-5 F	1	860	125	1040	952	370	3"	3"
VARIO3-30 PVM 20-7 F	1	860	125	1040	1062	370	3"	3"
VARIO3-30 PVM 20-10 F	1	860	125	1040	1387	370	3"	3"
VARIO3-30 PVM 32-2 F	2	1040	185	1180	982	440	4"	3"
VARIO3-30 PVM 32-3 F	2	1040	185	1180	1089	440	4"	3"
VARIO3-30 PVM 32-4 F	2	1040	185	1180	1179	440	4"	3"
VARIO3-30 PVM 32-5 F	2	1040	185	1180	1472	440	4"	3"
VARIO3-30 PVM 32-6 F	2	1040	185	1180	1542	440	4"	3"

SECTION 5



DIGITAL PT 8
DIGITAL PRESSURE SWITCH

PAG. 265



CONTROL PANELS

PAG. 271



VSD
ELECTRONIC FREQUENCY
CONVERTER

PAG. 266



PRESSURE TANKS

PAG. 273



FLUSSCONTROL
ELECTRONIC PRESSURE
REGULATOR

PAG. 270



ACCESSORIES
ACCESSORIES AND FILTERS

PAG. 276

PENTAIR STA-RITE **DIGITAL PT8**

- Alarm in case of low air pressure inside the tank (considering high number of pump start and stop)
- Dry running and motor overheating protection
- Function ART (Automatic Reset Test): when the device is disconnected due to dry running it has been conceived to be able to automatically try to reconnect until the water is back in the system.



DESCRIPTION

DIGITAL PT8 is an electronic pressure switch with an integrated digital pressure gauge. It can manage the start and stop of single-phase electric pumps up to 2,2 Kw. Cut-in and cut-out pressure implementation can be set easily and accurately through an user friendly control panel. It can operate as a differential pressure switch, as an inverted pressure switch, or just with max. or minimum pressures.

DIGITAL PT8 includes also instantaneous current lecture, it controls and manages the overcurrent, the dry running of the pump and the fast cycling protection.

MECHANICAL DATA

Dry run protection	Yes	Temperature of the liquid max.	50 °C
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ELECTRICAL DATA

Voltage	1/N/PE~230 V	Type of enclosure	IP 55
Motor rating 3xP1	2.2 kW	Motor protection	Integrated
Current	30 A	Frequency	50/60 Hz

DIGITAL PT8

Type	Code No.
DIGITAL PT8	ZB902610

VSD

ELECTRONIC FREQUENCY CONVERTER

- Energy savings
- Constant output pressure with an increase of comfort for the final user
- Silent operation
- Multi purpose solution
- Inter flow sensor
- Control panel LCD display



DESCRIPTION

VSD (Variable Speed Drive) is a static frequency converter that controls the speed of an electric pump to maintain constant pressure even when water demand changes.

This regulation is possible through a pressure sensor and a flow sensor connected to the inverter.

Versions:

VSD Easy controls a single-phase or three-phase pump, it is easy to install and set, it is only necessary to select the pressure set-point. The supply VOLT. of the device is single-phase 230V.

VSD controls a three-phase pump and it is able to communicate with another hydraulic device thanks to the installation of a communication cable. The supply VOLT. can be single phase 230V or three-phase 400V depending on the model.

APPLICATIONS

- To start and stop single-phase surface or submersed pumps.

MECHANICAL DATA

Dry run protection	Yes	Temperature of the liquid max.	40 °C
Operating pressure max.	16 bar		

ELECTRICAL DATA

Type of enclosure	IP 55	Frequency	50/60 Hz
Ambient temperature max.	50 °C		

VSD

Type	Code No.	Voltage	Pump voltage	Motor protection	Weight
VSD EASY 9 M/M	ZB902490	1/N/PE~230 V	1/N/PE~230 V	9 A	2.5 kg
VSD EASY 6 M/T	ZB902500	1/N/PE~230 V	3/N/PE~230 V	6 A	2.5 kg
VSD EASY 10 M/T	ZB902510	1/N/PE~230 V	3/N/PE~230 V	10 A	2.5 kg
VSD 6 M/T	ZB902520	1/N/PE~230 V	3/N/PE~230 V	6 A	2.7 kg
VSD 10 M/T	ZB902530	1/N/PE~230 V	3/N/PE~230 V	10 A	2.7 kg
VSD 9 T/T	ZB902540	3/N/PE~400 V	3/N/PE~400 V	9 A	4.3 kg
VSD 14 T/T	ZB902550	3/N/PE~400 V	3/N/PE~400 V	14 A	6.1 kg

VSD

ELECTRONIC FREQUENCY CONVERTER

Fig. 1

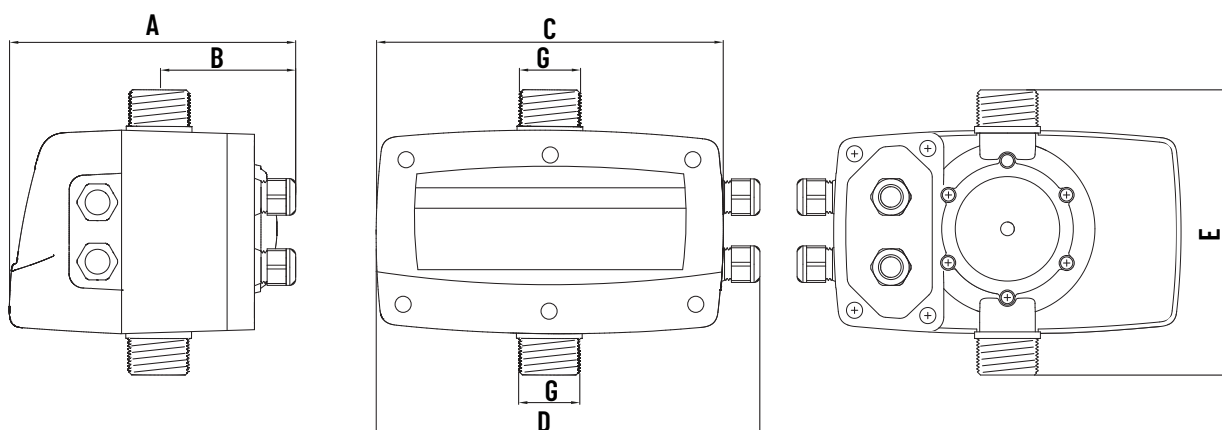
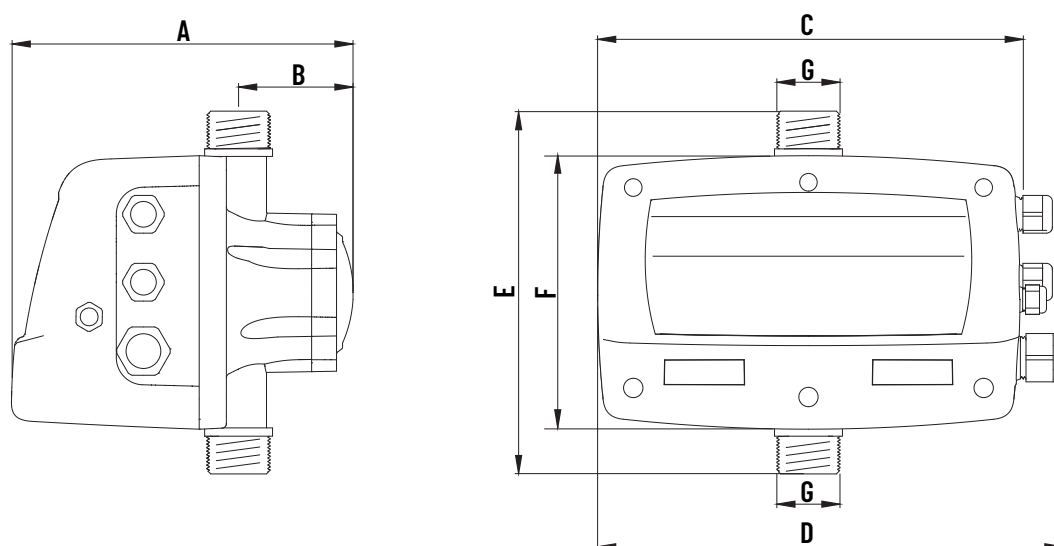


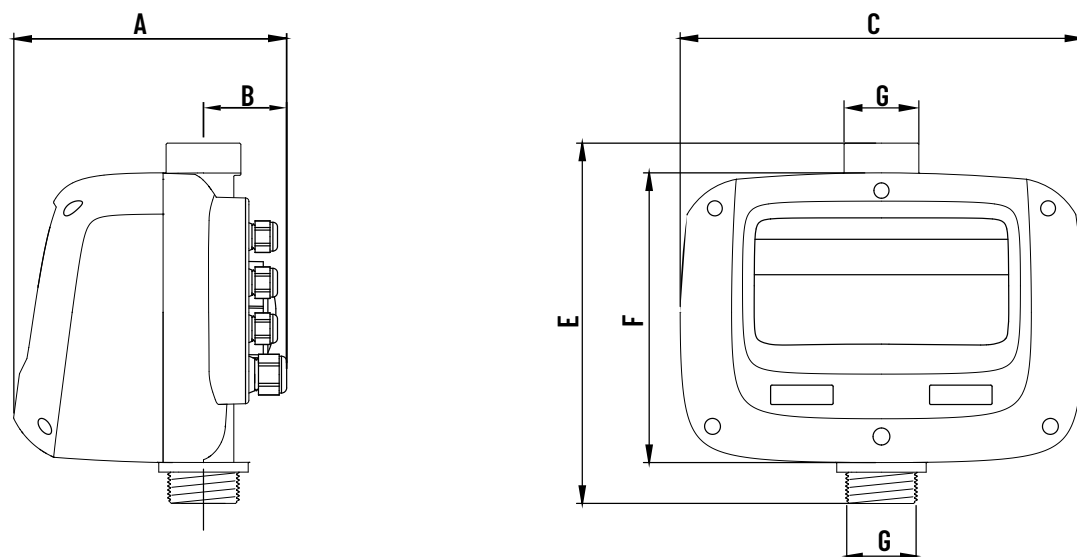
Fig. 2



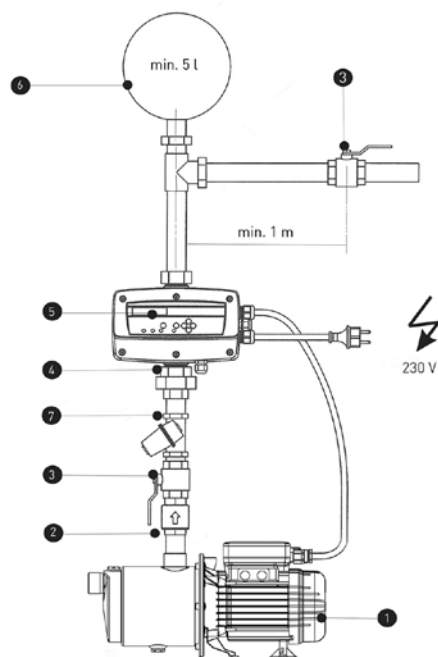
VSD

ELECTRONIC FREQUENCY CONVERTER

Fig. 3



Installation



VSD

ELECTRONIC FREQUENCY CONVERTER

DIMENSIONS [mm]

Type	Fig.	A	B	C	D	F	E	D
VSD EASY 9 M/M	1	196	93	237	262		196	1 1/4"
VSD EASY 6 M/T	1	196	93	237	262		196	1 1/4"
VSD EASY 10 M/T	1	196	93	237	262		196	1 1/4"
VSD 6 M/T	1	196	93	237	262		196	1 1/4"
VSD 10 M/T	1	196	93	237	262		196	1 1/4"
VSD 9 T/T	2	226	76	280	310	181	240	1 1/4"
VSD 14 T/T	3	238	72	350		252	313	2"

FLUSSCONTROL

ELECTRONIC PRESSURE REGULATOR

- Reduces the effects of water hammer.
- Replaces the traditional system of the expansion module
- Requires no maintenance
- Protection in case of a lack of water
- Very easy to install
- Keeps the pressure constant during distribution



DESCRIPTION

This device starts and stops the pump when the valve is opened and closed. In the event of no intake flow, the electronic system will block the pump protecting it from dry running.

Once the causes that led the pump to be blocked have been overcome, simply press the red Restart (reset) button to restore normal operation. In the event of a temporary power failure, the unit will reset automatically once powered again.

APPLICATIONS

- To start and stop single-phase surface or submersed pumps.
- Keeps the pressure constant during distribution
- Starts and stops the pump in function of the opening and closing the valve.

ELECTRICAL DATA

Voltage	1/N/PE~230 V	Ambient temperature max.	40 °C
Type of enclosure	IP 65	Frequency	50/60 Hz

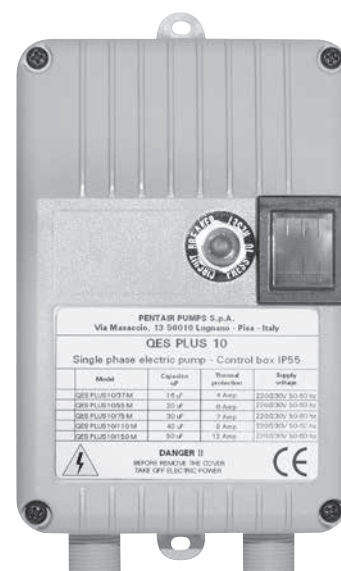
FLUSSCONTROL

Type	Code No.	Motor rating P1	Motor protection	Operating pressure max.	Temperature of the liquid max.	Weight
Flusscontrol	ZB401960	1.5 kW	< 10 A	12 bar	65 °C	1.07 kg
	ZB902360 - with cable					
Flusscontrol basic	ZB902310	1.1 kW	< 8 A	8 bar	60 °C	0.80 kg
	ZB902480 - with cable and plug					

QES PLUS

SINGLE PHASE ELECTRICAL PANEL

- Protection level IP55
- Capacitor included
- Manual via switch or automatic via external remote control



DESCRIPTION

Single phase electrical panel to control a submersed pump with direct start

MECHANICAL DATA

Weight	0.6 kg	
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ELECTRICAL DATA

Voltage	1/N/PE~230 V	Ambient temperature max.	40 °C
Type of enclosure	IP 55		

QES PLUS

Type	Code No.	Motor rating P1	Motor protection
QES PLUS 10/37 M	UZQ12710	0.55 kW	4 A
QES PLUS 10/55 M	UZQ12720	0.75 kW	6 A
QES PLUS 10/75 M	UZQ12730	1.00 kW	7 A
QES PLUS 10/110 M	UZQ12740	1.50 kW	9 A
QES PLUS 10/150 M	UZQ12750	2.00 kW	12 A

EASYCONTROLLER

EASYCONTROLLER

- Three configurations: surface, submersible, drainage
- Single phase and three phase
- 1 or 2 pumps
- Remote controls (BMS)
- Universal control unit
- Made in Italy



DESCRIPTION

EASYCONTROLLER control panels are indicated for residential and industrial applications and they control single and three phase electric pumps installed as:

1 or 2 surface pumps or boosters for pressurizing

1 or 2 drainage pumps or boosters for sewage

ELECTRICAL DATA

Ambient temperature max.	50 °C	Frequency	50 Hz
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EASYCONTROLLER

Type	Code No.	Voltage	Motor rating P2 2xP2	Motor protection	Type of enclosure	HxWxL [mm]	Weight
Control for 1 pump							
EASYCONTROLLER M10-240	UZQ14010	1/N/PE~230 V	2.4 kW -	1 ... 13 A	IP6X	200 x 100 x 170	1.2 kg
EASYCONTROLLER D10-110	UZQ14080	3/N/PE~230 V 3/N/PE~400 V	0.5 kW - 1.1 kW	1.6 ... 2.5 A	IP 54	335 x 150 x 250	6.9 kg
EASYCONTROLLER D10-150	UZQ14090	3/N/PE~230 V 3/N/PE~400 V	1.0 kW - 1.5 kW	2.5 ... 4 A	IP 54	335 x 150 x 250	6.9 kg
EASYCONTROLLER D10-220	UZQ14100	3/N/PE~230 V 3/N/PE~400 V	1.5 kW - 2.2 kW	4 ... 6.3 A	IP 54	335 x 150 x 250	6.9 kg
EASYCONTROLLER D10/110-400	UZQ14110	3/N/PE~230 V 3/N/PE~400 V	2.4 kW - 4.0 kW	6.3 ... 10 A	IP 54	335 x 150 x 250	6.9 kg
EASYCONTROLLER D10/750	UZQ14210	3/N/PE~230 V 3/N/PE~400 V	4.0 kW - 7.5 kW	10 ... 16 A	IP 54	335 x 150 x 250	6.9 kg
Control for 2 pumps							
EASYCONTROLLER M20-240	UZQ14020	1/N/PE~230 V	- 2.4 kW	1 ... 13 A	IP6X	200 x 100 x 170	1.2 kg
EASYCONTROLLER D20-110	UZQ14150	3/N/PE~230 V 3/N/PE~400 V	- 0.5 kW 1.1 kW	1.6 ... 2.5 A	IP 54	335 x 150 x 250	6.9 kg
EASYCONTROLLER D20-150	UZQ14140	3/N/PE~230 V 3/N/PE~400 V	- 1.0 kW 1.5 kW	2.5 ... 4 A	IP 54	335 x 150 x 250	6.9 kg
EASYCONTROLLER D20-220	UZQ14130	3/N/PE~230 V 3/N/PE~400 V	- 1.5 kW 2.2 kW	4 ... 6.3 A	IP 54	335 x 150 x 250	6.9 kg
EASYCONTROLLER D20-400	UZQ14120	3/N/PE~230 V 3/N/PE~400 V	- 2.4 kW 4.0 kW	6.3 ... 10 A	IP 54	335 x 150 x 250	6.9 kg
EASYCONTROLLER D20-750	UZQ14220	3/N/PE~230 V 3/N/PE~400 V	- 4.0 kW 7.5 kW	10 ... 16 A	IP 54	450 x 230 x 320	9.7 kg

PRESSURE TANKS

PRESSURE TANKS

- 7 models 100% stainless steel
- Many possible uses for commercial market



DESCRIPTION

PRESSURE TANKS - Stainless steel

Sta Rite pressure tanks are made of stainless steel AISI 304 in 7 models with the aim to meet all the requirements of civil and industrial systems and ensure the suitability of the product for use with food. Especially suitable for humid rooms CE certified.

HORIZONTAL: Interchangeable bromobutyl membrane with a capacity of 24 litres per membrane, with a bracket to mount the pump and a support foot. Pre-load 1.5 bar.

VERTICAL: Interchangeable bromobutyl membrane with a capacity of 8-20-24 litres. The latter also in the solution without membrane and with air supply. Pre-load 1.5 bar.

PRESSURE TANKS - Painted steel

Pressure tanks for water lifting systems, in painted steel, from 2 to 500 litres, with interchangeable membrane.

Painted carbon steel flange.

CE certified. Preload: 1.5 bar in models from 2 to 24 lt - 2.0 bar in models from 60 to 500 lt CE Certified.

PRESSURE TANKS

Type	Code No.	Operating pressure max.	Alignment	Membrane	Feet bracket	Capacity	Weight
Material:Stainless steel							
VES INOX N 8	ZA006450	8 bar	vertical	Bromobutyl	No	8 l	2.40 kg
VES INOX N 20	ZA006460	8 bar	vertical	Bromobutyl	No	20 l	3.30 kg
VES INOX N 24	ZA006570	8 bar	vertical	Bromobutyl	No	24 l	5.00 kg
VES INOX N 24 H	ZA006470	8 bar	horizontal	Bromobutyl	Yes	24 l	4.20 kg
VAA 24	ZA006610	8 bar	-	-	No	24 l	4.20 kg
Material:Painted steel							
VES 2	ZAM04200	6 bar	-	Rubber for food use	No	2 l	0.95 kg
VES 24 V	ZA000140	6 bar	vertical	Rubber for food use	No	24 l	4.10 kg
VES 24 H	ZA003850	6 bar	horizontal	Rubber for food use	Yes	24 l	4.80 kg
VEC 60 V	ZA009070-CE	10 bar	vertical	Butyl rubber	Yes	60 l	17.50 kg
VEC 100 V	ZA009080-CE	10 bar	vertical	Butyl rubber	Yes	100 l	19.00 kg
VEC 200 V	ZA009090-CE	10 bar	vertical	Butyl rubber	Yes	200 l	37.00 kg
VEC 300 V	ZA009100-CE	10 bar	vertical	Butyl rubber	Yes	300 l	54.00 kg
VEC 500 V	ZA009110-CE	10 bar	vertical	Butyl rubber	Yes	500 l	104.00 kg

PRESSURE TANKS

PRESSURE TANKS

Fig. 1

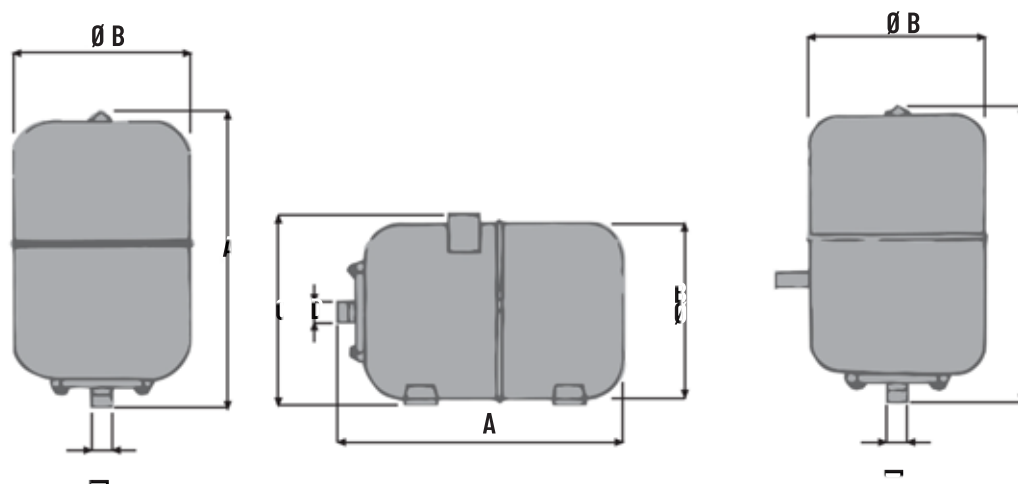
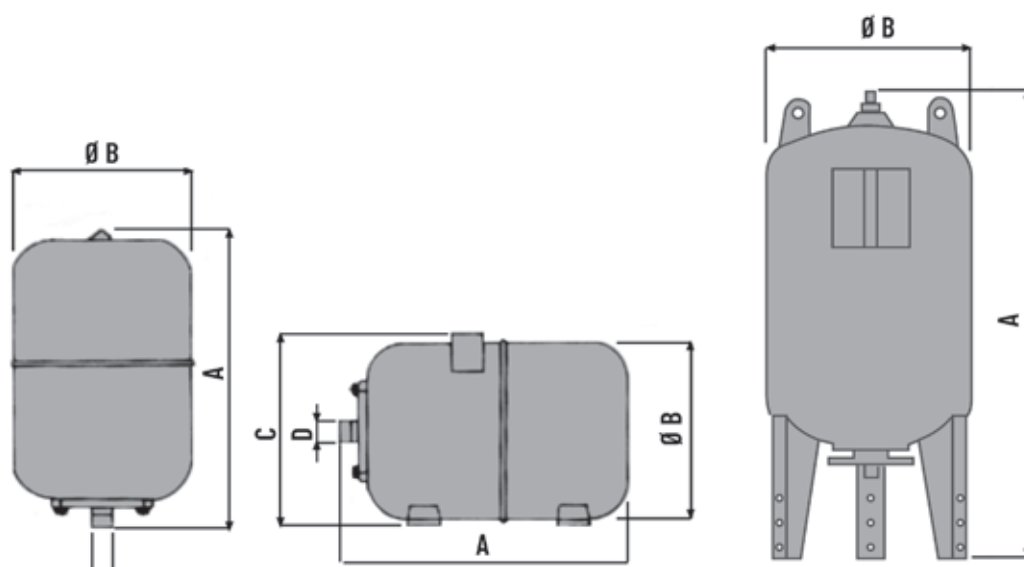


Fig. 2



PRESSURE TANKS

PRESSURE TANKS

DIMENSIONS [mm]

Type	Fig.	A	B	C	D
VES INOX N 8	1	280	226		1"
VES INOX N 20	1	390	272		1"
VES INOX N 24	1	430	272		1"
VES INOX N 24 H	1	430	272	330	1"
VAA 24	1	430	272	443	1"
VES 2	2	175	155		1" M
VES 24 V	2	415	295		1" M
VES 24 H	2	415		310	1" M
VEC 60 V	2	845	382		1" M
VEC 100 V	2	950	450		1" M
VEC 200 V	2	1225	550		1 1/2" M
VEC 300 V	2	1405	630		1 1/2" M
VEC 500 V	2	1550	780		1 1/2" M

ACCESSORIES

				Code No.
	Pressure switch			
	Pressure switch	6 ATM max.	Italtecnica	ZA010840
	Pressure switch	12 ATM max.	Italtecnica	ZA006400
	Pressure switch	Reverse LP3	1/4" F Italtecnica	ZA009550
	Pressure switch	6 ATM max.	Telemecanique	ZA000630
	Pressure switch	12 ATM max.	Telemecanique	ZA000640
	Pressure gauge			
	Pressure gauge	radial connection	6 ATM	ZB902700
	Pressure gauge	rear radial connection	6 ATM	ZB902150
	Pressure gauge	radial connection	10 ATM	ZB902690
	Pressure gauge	rear radial connection	10 ATM	ZB902680
	Microstart			
	MICROSTART 3-3 Emptying/Filling		QES PLUS - AT	ZA000590
	MICROSTART 10-2 Filling		All panels that use external control	
	MICROSTART 5-2 Filling		All panels that use external control	ZA000650
	MICROSTART 10-2 (PVC) Filling		All panels that use external control	ZA000750
	Hose			
	Hose	1" x mm 500 M-F		ZA000270
	Hose	1" x mm 600 M-F		ZA003060
	Hose	1" x mm 700 M-F		ZA003160
	Hose	1" x mm 800 M-F		ZA003070
	Hose	1" 1/4 x mm 400 M-F		ZA007430
	Brass fitting			
	Brass fitting	A 3 ways 1"		ZA000240
	Brass fitting	A 5 ways 1"		ZA010490
	Membrane			
	Bromobutyl membrane for stainless steel pressure tanks			ZA006380
	Rubber membrane for 2 litre pressure tank			ZA003050
	Rubber membrane for 24 litre pressure tank			ZA010200
	Butyl membrane for 60 litre pressure tank			ZA009190
	Butyl membrane for 100 litre pressure tank			ZA009200
	Butyl membrane for 200 litre pressure tank			ZA009210
	Butyl membrane for 300 litre pressure tank			ZA009220
	Butyl membrane for 500 litre pressure tank			ZA009230
	Intake kit			
	Intake kit	4 m 1"	with bottom valve	ZA004520
	Intake kit	7 m 1"	with bottom valve	ZA007110
	Male fitting	1"	for intake kit	ZA004080

ACCESSORIES

				Code No.
	Valve			
	Plastic bottom valve	1"		ZA000020
	Brass bottom valve	1"	with stainless steel filter	ZA003000
	Brass bottom valve	1" 1/4	with stainless steel filter	ZA003190
	Brass bottom valve	1" 1/2	with stainless steel filter	ZA003200
	Brass bottom valve	2"	with stainless steel filter	ZA003210
	Brass non-return valve	1"		ZA002020
	Brass non-return valve	1" 1/4		ZA003220
	Brass non-return valve	1" 1/2		ZA003230
	Brass non-return valve	2"		ZA003240
	Ball valve with integral passage	2" F		ZA008430
	Ball check valve			
	Ball check valve	Stainless steel	1" 1/4 F	ZA009320
	Ball check valve	Stainless steel	1" 1/2 F	ZA009310
	Ball check valve	Stainless steel	2" F	ZA009310
	Float			
	Float 3 m. 3 wires	for emptying/filling		ZA000590
	Float 10 m. 3 wires	for emptying/filling		ZA008510
	Float 5 m. 2 wires	for emptying H05 - RNF		ZA000650
	PVC float 10 m. 2 wires	for filling		ZA000750
	Float 10 m. 2 wires	with plug and socket in PVC		
	Floating cable H07-RNF			ZA010600
	Counterweights for float			ZA000820
	Cable			
	Neoprene cable H07 RNF 4 wires	1 SQ.MM		ZA000420
	Neoprene cable H07 RNF 4 wires	1.5 SQ.MM		ZA000430
	Neoprene cable H07 RNF 4 wires	2.5 SQ.MM		ZA000440
	Neoprene cable H07 RNF 4 wires	4 SQ.MM		ZA000450
	Neoprene cable H07 RNF 4 wires	6 SQ.MM		ZA000460
	Neoprene cable H07 RNF 4 wires	10 SQ.MM		ZA000470
	Joint			
	Joint kit	heat shrink	for cables up to 4 x 2.5	ZA003370
	Joint kit	heat shrink	for cables up to 4 x 6	ZA003390
	Joint kit	casting resin joints	for cables up to 4x10	ZA003380
	Heat shrink joint	1 - 2.5 sq.mm		ZA009410
	Heat shrink joint	4 - 6 sq.mm		ZA009430
	Casting resin joint up to 4 x 10 sq.mm			ZA009450
	Hose connection			
	Elbow hose connection	1" 1/4 female ø 30 mm		ZA000900
	Elbow hose connection	1" 1/2 female ø 40 mm		ZA000910
	Elbow hose connection	2" female ø 50 mm		ZA000920

FILTER CARTRIDGES

					Code No.
Container for cartridges					
	1" connection	min. quantity: 1			ZB900010
	1" connection	min. quantity: 1			ZB900030
Filter cartridges					
	Cartridge 7"	NY (nylon mesh)	for filter conn. 1"	nom. filtration: 60 µm / min. quantity: 20	ZB401550
	Cartridge 10"	FA (wrapped wire)	for filter conn. 1"	nom. filtration: 20 µm / min. quantity: 20	ZB401360
	Cartridge 10"	FA (wrapped wire)	for filter conn. 1" 1/4	nom. filtration: 20 µm / min. quantity: 20	ZB401570
	Cartridge 10"	NY (nylon mesh)	for filter conn. 1"	nom. filtration: 60 µm / min. quantity: 20	ZB401380
	Cartridge 10"	NY (nylon mesh)	for filter conn. 1" 1/4	nom. filtration: 60 µm / min. quantity: 20	ZB401580
	Cartridge 10"	CA (nylon mesh)	+ active carbon diam. 1	nom. filtration: 60 µm / min. quantity: 20	ZB401420
	Cartridge 10"	PL (crystal polyphosphates)	diam. 11	min. quantity: 1	ZB401620

GENERAL SALES CONDITIONS

I. Definitions

"Conditions" means the standard terms and conditions of sale set out in this document and (unless the context otherwise requires) includes any special terms and conditions agreed in writing between the Purchaser and Pentair, and "Contract Terms" has the same meaning.

"Confidential Information" means any information that is treated as confidential by either party, including trade secrets, technology, information pertaining to business operations and strategies, and information pertaining to customers, pricing and marketing.

"Contract" means the contract for the purchase and sale of the Goods and "Agreement" has the same meaning.

"Goods" means the goods and/or services which Pentair is to supply in accordance with these Conditions.

"Parties" means Pentair and Purchaser.

"Pentair" means the party who will sell and supply the Goods to the Purchaser in accordance with these Conditions.

"Purchaser" means the party whose order for the Goods is accepted by Pentair in accordance with these Conditions.

II. General

All business transactions between the Parties are governed by these Contract Terms, unless special written agreements are entered into before order confirmation in individual cases. The terms and conditions of the Purchaser are not binding upon Pentair, unless agreed to by Pentair in writing and before order confirmation.

III. Conclusion of Contract

1. Pentair's offers are limited to those Goods explicitly listed in the offer and strictly exclude any building, assembly or installation work not mentioned, including installation material or site work. Consultation or offers are free of charge and to the best of the Pentair's knowledge, but non-binding. All documentation accompanying offers remains Pentair's property. Documentation may not be copied or disclosed to third parties without Pentair's permission and shall, on request, be returned without delay.

2. No order or variation shall be binding on Pentair unless and until accepted in writing by Pentair, and only then shall it constitute the Contract. No agent or other representative of Pentair has any authority from Pentair to make or vary any agreement on behalf of Pentair, unless subsequently notified by Pentair in writing. Every order or variation accepted by Pentair includes only such Goods as are expressly specified or incorporated in Pentair's written acceptance.

4. Pentair may, from time to time, agree to build products to Purchaser's specifications. In such a case Purchaser shall always be responsible for all expenses incurred by Pentair to comply with Purchaser's specification, such as, but not limited to expenses incurred for tooling (jigs, dies, tools, molds and patterns), expenses related to ordering of raw materials, components or other parts and any other commitments entered into by Purchaser, even during the preparatory phase when no firm Contract is in place. Purchaser shall at all times be obliged to purchase and pay for all customized products that are produced by Pentair. Unless otherwise agreed in writing, any equipment (including, but not limited to jigs, dies, tools, molds and patterns) made for the manufacture of customer specified products shall be, and remain, the sole property of Pentair, notwithstanding that Purchaser may have been charged for all or part of the cost therefore.

5. No quotation, estimate or tender issued by Pentair shall constitute an offer to sell the Goods. Any order placed by the Purchaser in response to such a quotation or tender shall constitute an offer made to Pentair in accordance with the Contract Terms and shall only be binding on Pentair if it is accepted by Pentair in writing and shall then constitute the Contract.

6. Orders received and accepted by Pentair shall not be subject to cancellation without Pentair's consent, and cancellation of any Contract to which the Purchaser is a party will not constitute sufficient reason for cancellation of any order placed by the Purchaser.

IV. Delivery and Time for Delivery

1 All delivery times given in written offers or mentioned elsewhere are approximate only and therefore non-binding. The delivery period starts on the day the order is confirmed or when the Purchaser takes cooperative actions which may be required (e.g. payment of an agreed advance payment). The period is interrupted should a payment not be made on time, as agreed, or should the Purchaser not provide outstanding data or specifications needed for the design of the apparatus or plant at the agreed time. The period starts again as soon as Pentair receives the overdue payment or the delayed technical data are transmitted. Non-compliance with the delivery time does not entitle the Purchaser to damages (liquidated or otherwise) or any other form of compensation, nor release the Purchaser from the order.

2 Unforeseen impediments for which Pentair cannot be held responsible irrespective whether they arise in Pentair's own factory or at a sub-supplier, such as: force majeure events, mobilization, war or other delays for which Pentair cannot be held responsible, such as production faults, general material procurement problems, operational faults, transport delays and similar circumstances preventing on schedule performance at the agreed price, are justified reasons for us to cancel the delivery obligations, fully or in part, or to extend the delivery period by the duration of the obstructions. The Purchaser may withdraw from the Contract should relevant faults lead to a delay in performance of more than 12 months. Other rights of withdrawal shall remain unaffected thereby.

V. Prices

Unless otherwise stated in these Contract Terms, the Contract price of the Goods is FCA, Pentair's warehouse or factory (Incoterms 2020) and is deemed to exclude VAT and other taxes, which shall be charged at the rate applicable at the date of the invoice.

VI. Terms of payment

So far as the law permits, the Contract price must be paid before the end of the month following the date of invoice (unless alternative credit or payment terms have been agreed by Pentair in writing). Interest will be payable on any sums outstanding after the due date, at the rate of 1.5% per month.

VII. Retention of title

1. Goods delivered by Pentair remain in Pentair's ownership until all payments due under the Contract have been received.
2. To the extent that ownership of goods is transferred to third parties by incorporation into property and the like, the Purchaser shall cede its claims against such parties to Pentair, as collateral for Pentair's claim, until the latter has been fully settled. With current accounts, the reserved property shall serve as collateral for Pentair's balance claim.

VIII. Intellectual Property Infringement

Pentair will defend Purchaser to the extent of any rightful claim that any Goods furnished under the Contract infringe upon any intellectual property rights, and Pentair will pay all direct damages and costs awarded by a court of competent jurisdiction with respect to such claim. The Purchaser or user must promptly notify Pentair of any such claim, and cooperate fully with Pentair in the defence of such claim, or Pentair will have no duty under this paragraph.

IX. Shipment

Unless the Parties otherwise expressly agree in writing, the following provisions apply: Shipment is always at the risk of the Purchaser. Pentair accepts liability for shipment-related damages only in the event that it carried out the delivery itself and if such damage was caused by at least gross negligence on its side. Pentair shall provide reasonable support to the Purchaser in asserting its claims for compensation against the carrier if shipment was handled by a third party. Such claims should initially be against the carrier (railways, post office, freight forwarder). Replacements are provided only on the basis of a new order at currently valid prices. Any deviations in the delivery note or the invoice as well as transport damage should be reported to us in writing immediately, no later than within 3 days of receipt of the Goods.

X. Confidentiality

Pentair and the Purchaser shall maintain any Confidential Information in strict confidence and shall not disclose the same to any third party or use Confidential Information except for the performance of the Contract and proper and lawful use by the Purchaser (or an affiliate of the Purchaser) of the work or Goods for tenders, sale, manufacture, erection, commissioning and/or servicing of equipment. Nothing contained herein shall preclude the Purchaser from: (a) sharing any or all of the Confidential Information with any of its affiliates or (b) disclosing Confidential Information received from Pentair as part of any work or Goods to the user or their respective employees, directors, agents and/or advisors, to the extent necessary for the performance of the work and provided that they are similarly bound by undertakings of confidence, restricted use and non-disclosure. Further, nothing contained herein shall prevent disclosure of Confidential Information: (a) with a view to complying with the requirements of any applicable law and/or an order of the court or arbitral tribunal or (b) to the extent necessary to resolve a claim or dispute, or to the extent necessary for the Purchaser to resolve a claim or dispute with third parties and/or insurance claims, provided always that the Party so required to disclose any such Confidential Information of the other Party, timely informs and consults the other Party and takes all reasonable steps to minimize the extent of the Confidential Information disclosed and to make such disclosure in confidence.

XI. Liability

1. Notwithstanding anything to the contrary, Pentair's cumulative liability howsoever arising, including under this Contract (including, without limitation, all the obligations related to the schedule and scope of work and deliveries of Goods, warranties and indemnifications, both express and implied, arising from the Contract), in tort (including negligence) or under statute will not exceed the relevant purchase price payable to Pentair under the Contract.
2. Notwithstanding any other provision to the contrary, so far as the law permits, Pentair shall not be liable under this Contract, in contract, under any indemnity, tort (including negligence), by statute or otherwise for loss or damage (whether direct or indirect) of profits, revenues, use, production, contracts, corruption or destruction of data or for any indirect, special or consequential loss or damage whatsoever.

XII. Compliance with Law

1. In performing this Contract, the Purchaser shall comply with all applicable laws, trade embargos, regulations, orders and other restrictions and without limiting the generality of the foregoing, do the following: (a) the Purchaser shall comply with the various national and local laws and regulations concerning occupational health, safety and pollution

affected by the use, installation and operation of the Goods and other matters over which Pentair has no control, and (b) Pentair assumes no responsibility for compliance with those laws and regulations, whether by way of indemnity, warranty or otherwise.

2. Unless otherwise expressly agreed in writing, the Purchaser shall ensure and procure that it has all licenses, consents, approvals, permissions and authorizations ("**Licenses**") required in respects of the Goods.

3. Notwithstanding any provision in these Conditions to the contrary, Purchaser acknowledges to have understood Pentair's position of no transactions with Cuba, Iran, North Korea, Sudan, Syria, and the disputed Ukraine region of Crimea ("**Pentair's Position**"), and confirms that it will comply with Pentair's Position on any transactions involving the Goods.

4. Purchaser agrees not to sell, export or transfer any Goods (including, without limitation, any technical information or services supplied) to any other countries except in full compliance with all applicable governmental requirements, including but not limited to applicable US export, US re-export legislation, and measures administered by the European Union and its Member States, or the government agencies of any other countries. Any violation by the Purchaser or the end customer, of the applicable laws or regulations of the US or any other government, or where the Purchaser breaches Pentair's Position, notwithstanding whether or not this is contrary to any aforementioned applicable laws or regulations, shall be deemed a material breach of this Contract and sufficient basis for Pentair to reject any or all orders or to terminate this Contract. Compliance with applicable legal requirements and Pentair's Position is a prerequisite for Pentair to perform its obligations under this Contract, and if the Purchaser fails to comply with such legal requirements, then the Purchaser is incapable of meeting its obligations with Pentair and therefore is in breach of this Contract.

5. The Parties intend that no payments or transfers of value shall be made which have the purpose or effect of public or commercial bribery, acceptance of or acquiescence in extortion or kickbacks or other unlawful or improper means of obtaining business. The Parties will not, directly or indirectly, pay, offer, authorize or promise any monies or anything of value (such as gifts, contributions, travel, or entertainment) to any person or organization, including any employee of Pentair or Pentair's customers, or any government official (which includes any employee or official of any governmental authority, government owned or controlled entity, public international organization or political party or any candidate for political office) for the purpose of influencing their acts or decisions. Purchaser will take appropriate actions to ensure that any person representing or acting under its instruction or control will also comply with this clause. Purchaser will not request that Pentair takes any action which is prohibited or penalized under any anti-boycott law or regulation and any such request will be deemed null and void. Nothing in this clause or in any such request will be construed to require an agreement by Pentair to take action which is prohibited or penalized under any anti-boycott law or regulation. Without limitation, Pentair will not be required under any circumstances to take any action or make payments that Pentair believes, in good faith, would cause it or its affiliated companies to be in violation of any Anti-Corruption Laws (Anti-Corruption Laws include, collectively, the UK Bribery Act 2010, laws under the OECD Anti-Bribery Convention, the United States Foreign Corrupt Practices Act and local anti-corruption laws).

6. Except as disclosed in writing to Pentair, the Purchaser represents that it does not believe or have any reason to believe that there are any actual or potential conflicts of interest regarding its relationship with Pentair, including family members who could benefit from the commercial relationship between the Purchaser and Pentair. Neither Pentair nor any of its representatives are or have any family members who are government officials in a position to influence the Purchaser's commercial relationship with Pentair.

7. The Purchaser will maintain complete and accurate books and records in accordance with generally accepted accounting principles in Purchaser's jurisdiction, consistently applied, properly and accurately recording any and all transactions involving or in any way related to Pentair. The Purchaser will maintain a system of internal accounting controls reasonably designed to ensure that its assets are used only in accordance with its management directives and that it maintains no off-the-book accounts.

8. If at any time Pentair believes in good faith that the Purchaser has breached the warranties, representations or agreements in this section XII, Pentair has the right to select an independent third party to conduct an audit at Pentair's expense, to verify the Purchaser's adherence to the terms in this section. The Purchaser will fully cooperate in such audit.

9. The Purchaser will notify Pentair promptly if: (a) the Purchaser has reason to believe that a breach of this Agreement (including, without limitation, this section XII) has occurred or is likely to occur; or (b) if any conflicts of interest arise. Purchaser will send all such notices to ethics@pentair.com.

10. Any breach of the warranties, representations or agreements of this section XII will constitute a material breach of this Agreement and be grounds for immediate termination for cause of any order and Pentair may withhold any delivery of Goods until such time that Pentair has received confirmation to its reasonable satisfaction that no breach has occurred or will occur. Purchaser will indemnify and hold Pentair harmless against any actions, legal claims, demands, proceedings, losses, damages, costs, expenses and other liabilities of whatever nature resulting from Purchaser's breach of the representations, warranties and agreements contained in the this section XII. Without limitation, Pentair expressly reserves the right to refuse to enter into or perform any order, and to cancel any order, if Pentair in its sole discretion determines that such order could violate any applicable law or regulation of the United States, or any other governments. The parties agree that any such refusal or cancellation of any order, or termination of this Agreement by Pentair, as described above, will not constitute a breach of any of Pentair's obligations under this Agreement, and the Purchaser hereby waives any and all claims against Pentair for any loss, cost or expense related thereto.

XIII. Relationship Data & Privacy

Pentair may collect, process and transfer certain personal data in managing its business relationship with Purchaser, such as the names and contact details of Purchaser's personnel involved in the Contract or involved in maintaining or managing Purchaser's use of the Goods. Pentair will handle such personal data in accordance with Pentair's Privacy Notice, which is available at: <https://www.pentair.com/en/privacy-notice.html> Purchaser will provide any necessary notice to and obtain any legally-required consent from its personnel, or affiliates for Pentair's use of their personal data.

XIV. Applicable law and jurisdiction

Unless otherwise mutually agreed, the terms of this Contract shall be interpreted and enforced according to the national law applicable in the country where Pentair is incorporated, excluding principles of conflict of laws and the Convention on Contracts for the International Sale of Goods. Any disputes which may arise from these Conditions and/or the Contract shall be submitted solely to the competent Court of the city where Pentair has its registered office.

XV. Miscellaneous

1. Pentair's warranty terms and conditions (if any) applicable to this contract will be detailed in a separate written document. To the extent permitted by law, those separate, written Warranty Terms & Conditions will be the sole warranty of Pentair and Pentair hereby expressly disclaims and Purchaser waives all other warranties expressed, implied in law or implied in fact, including any warranties of merchantability or fitness for a particular purpose.
2. Any notice required or permitted to be given by either party to the other under these Conditions shall be in writing addressed to that other party at its registered office or principal place of business or such other address as, at the relevant time, has been notified to the party giving the notice.
3. No waiver by Pentair of any breach of the Contract by the Purchaser shall be considered as a waiver of any subsequent breach of the same or any other provision.
4. If any provision of these Conditions is held by any competent authority to be invalid or unenforceable in whole or in part, the validity of the other provisions of these Conditions and the remainder of the provision in question shall not be affected thereby.

WARRANTY TERMS & CONDITIONS

Pentair warrants the Goods (and any component parts) against defects in materials and workmanship under normal use and service for the period set forth in the Warranty Table below. If the Goods do not appear on the Warranty Table, the warranty period is one (1) year.

All warranty periods will start from the invoice date.

Goods/Brand	Warranty Period:
STA-RITE pumps	2 years
STA-RITE accessories	2 years

In these Warranty Terms & Conditions:

"Conditions" means these warranty terms and conditions, as set out in this document and (unless the context otherwise requires) includes any special warranty terms and conditions separately agreed in writing between the Purchaser and Pentair.

"Goods" means the goods which Pentair has supplied to the Purchaser and to which these Conditions are intended to apply.

"Pentair" means the party who has sold and supplied the Goods to which these Conditions apply.

"Purchaser" means the party who has purchased the Goods to which these Conditions apply.

The following additional terms apply to these Conditions:

1. Pentair does not warrant accessories or components that are not manufactured by Pentair. This include any service parts used that are manufactured by other companies, including but not limited to, motors, pistons, seal kits, spacer kits, bypass valves, brine connections & devices, or any other non-Pentair parts. Such items may carry warranties offered by the original manufacturers and, to the extent possible, Pentair will, if expressly requested in writing to do so by the Purchaser, assign to Purchaser its rights under the original manufacturer's warranty, without recourse to Pentair.
2. Purchaser must give Pentair notice in writing of any alleged defect covered by this warranty (together with all identifying details, including the serial number, the type of Goods, and the date of purchase) within thirty (30) days of the discovery of such defect and in any event during the warranty period. No claim made after the expiration of the warranty

period shall be valid.

3. This warranty is based on the use of original equipment manufacturer (OEM) replacement parts. Pentair assumes no responsibility or liability if alterations, non-authorized design modifications and/or non-OEM replacement parts are incorporated. If requested by Pentair, any Goods (or its component parts) must be promptly returned to Pentair prior to any attempted repair, or sent to an authorized service station designated by Pentair, and Purchaser shall prepay all shipping expenses. Pentair shall not be liable for any loss or damage to Goods in transit, nor will any warranty claim be valid unless the returned Goods are received intact and undamaged as a result of shipment. Repaired or replaced material returned to customer will be shipped FCA (Incoterms 2020), Pentair's warehouse or factory. Pentair will not give Purchaser credit for parts or Goods returned to Pentair, and will not accept delivery of any such parts or Goods, unless Purchaser has obtained Pentair's approval in writing. Unless otherwise stated in the Warranty Table, this warranty extends to repaired or replaced parts of Pentair's manufacture for six (6) months or for the remainder of the original warranty period applicable to the Goods or parts being repaired or replaced, whichever is greater.

4. If multiple problems occur which are related to each other, the warranty period of the root cause will be taken as the warranty period for all affected components.

5. Pentair may substitute new Goods or improve part(s) of any Goods judged defective without further liability. All repairs or services performed by Pentair, which are not covered by this warranty, will be charged in accordance with Pentair's standard prices then in effect.

6. Under the terms of this warranty, Pentair shall not be liable for: (a) consequential, incidental, collateral, special or liquidated losses or damages; (b) defects caused by normal wear and tear, abnormal conditions of use, failure to maintain, clean, use or operate as per Pentair's product manual or other written guidelines (including, but not limited to applicable codes and ordinances), accident, neglect, abuse or misuse of the Goods; (c) the expense of, and loss or damage caused by, repairs or alterations made by anyone other than

Pentair; (d) damage caused by failure to maintain water conditions or water chemistry, by water freezing, membrane fouling or scaling, debris build-up, abrasive materials, chemicals, gases, liquids, scale deposits, corrosion, lightning, improper voltage, mishandling, or other similar conditions; (e) damage due to hydro-pneumatic or pneumatic use; (f) damage caused by friction, wear, chemical attack, or debris build-up on wear parts ("wear parts" include, but are not limited to: pistons, piston rods, seals, spacers, end cap quad rings, and parts requiring replacement under recommended maintenance procedures, such as filter housing O-rings and gaskets); (g) any loss, damage, or expense relating to or resulting from installation, removal or reinstallation of Goods; (h) any labor costs or charges incurred in repairing or replacing defective Goods or parts, including the cost of reinstalling parts that are repaired or replaced by Pentair; (i) any expense of shipment of Goods or repaired or replacement parts; or (j) any other loss, damage or expense of any nature, including, without limitation, accidental damage, fire, acts of God, or other circumstances outside Pentair's control.

7. TO THE EXTENT PERMITTED BY LAW, THIS WARRANTY IS THE SOLE WARRANTY OF PENTAIR AND PENTAIR HEREBY EXPRESSLY DISCLAIMS AND PURCHASER WAIVES ALL OTHER WARRANTIES EXPRESSED, IMPLIED IN LAW OR IMPLIED IN FACT, INCLUDING ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. PENTAIR'S SOLE OBLIGATION UNDER THIS WARRANTY SHALL BE, AT ITS OPTION, TO REPAIR OR REPLACE ANY GOODS (OR ITS COMPONENT PARTS) WHICH HAS A DEFECT COVERED BY THIS WARRANTY, OR TO REFUND THE PURCHASE PRICE OF SUCH GOODS OR PART.



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