

CPS10/DHI

FREQUENCY CONVERTER - SINGLE PHASE

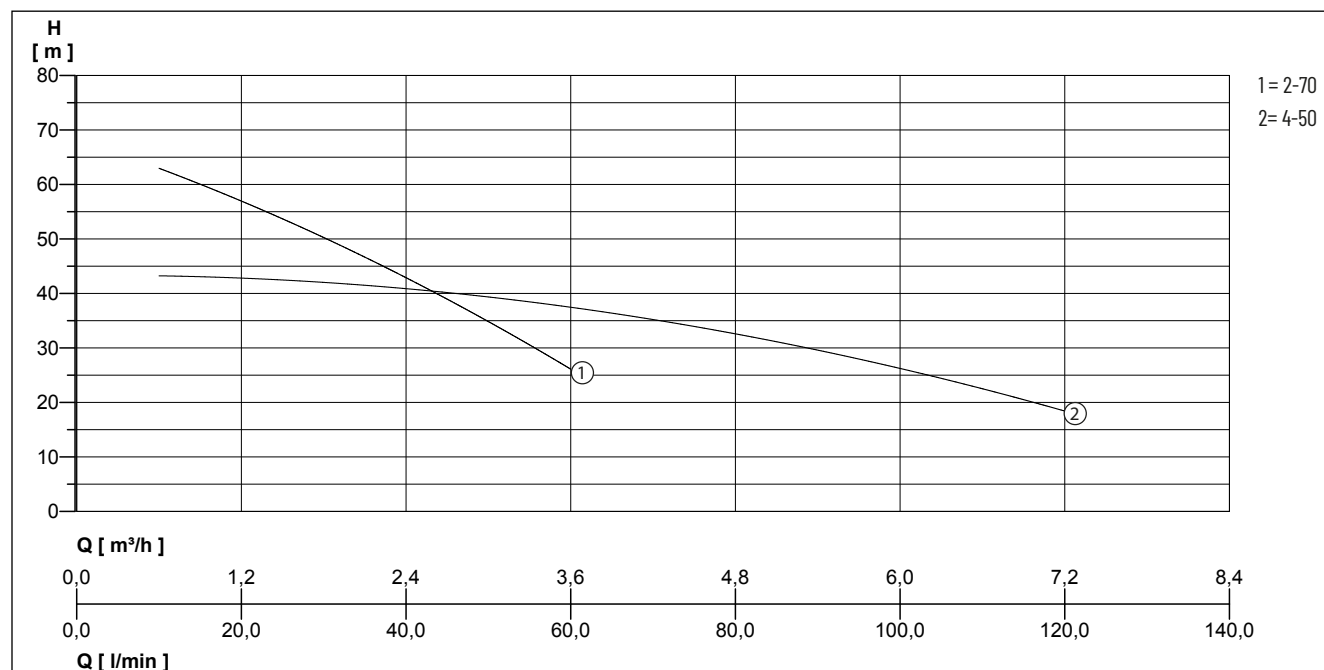
- High reliability - thanks to the durable and innovative design
- Quiet operation - improved user comfort thanks to its quiet operation
- Compact dimensions
- Many possible uses for the residential market



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

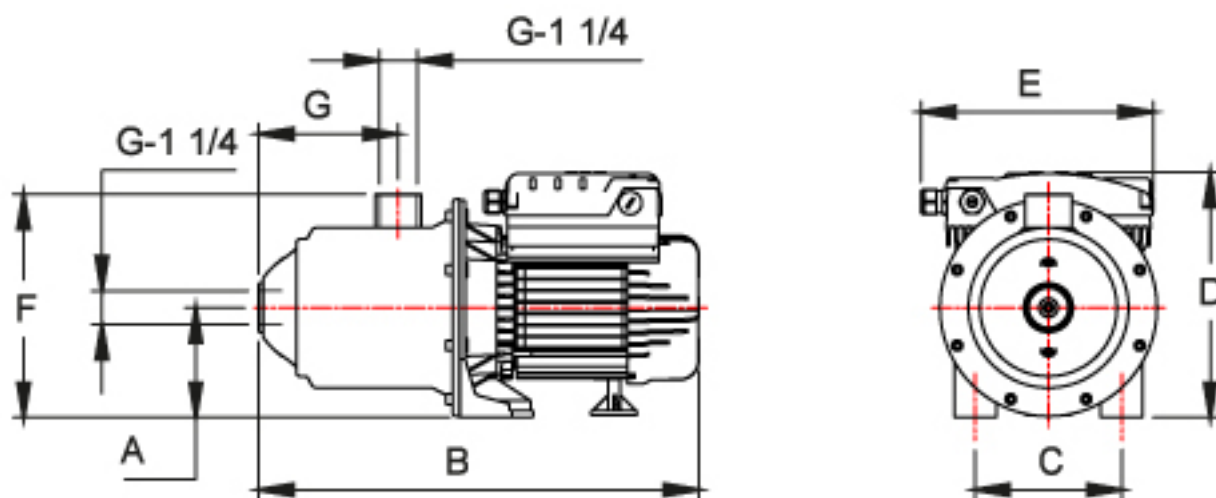
Shaft	Stainless steel Europe: EN10088-1 X2CrNiMo17-12-2 (1.4404) USA: AISI 316	Diffuser	Stainless steel X CrNiMo 17-12-03 (AISI 316)
Impeller	Stainless steel X CrNiMo 17-12-03 (AISI 316)	Mechanical seal	Graphite
Motor housing	Cast iron EN GJL 200	Counterface	Ceramic
Pump housing	Stainless steel X CrNiMo 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	E~	DNA	DNM	E
CPS10/DHI 2-70	105	421	141	235	213	134	222	1 1/4"	1 1/4"	232
CPS10/DHI 4-50	105	421	141	235	213	134	222	1 1/4"	1 1/4"	232

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



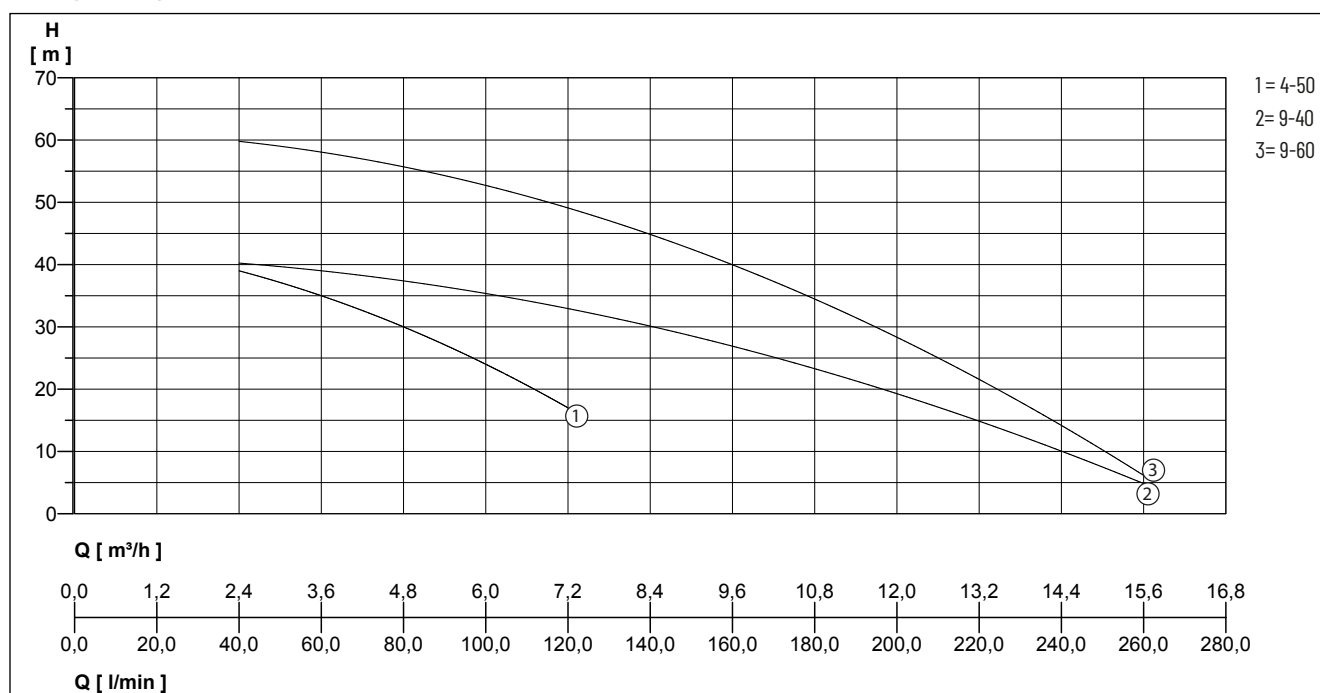
DESCRIPTION

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

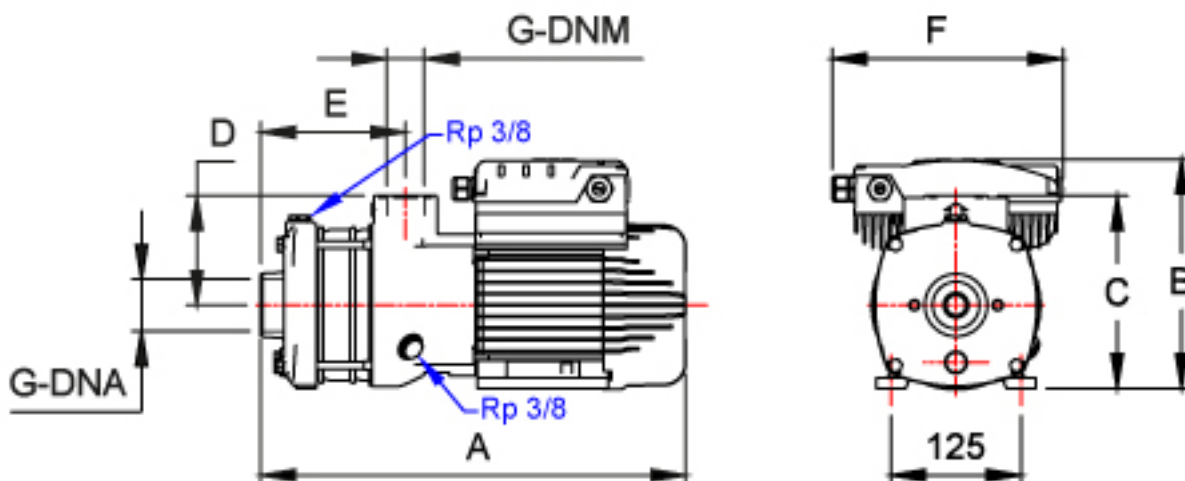
Shaft	Stainless steel X5 CrNi 1810 (AISI 304)	Mechanical seal	Ceramic / Graphite / NBR
Impeller	Stainless steel X5CrNi18-10 (AISI 304)	Operating pressure max.	10 bar 6 bar
Motor housing	Cast aluminium	Type of liquid	clean water without suspended solids or abrasive material
Diffuser	Stainless steel X5CrNi18-10 (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		Current	Weight
		P1	P2		
CPS10/DHR 4-50	N4700930	1.25 kW	0.9 kW	9.1 A	18.0 kg
CPS10/DHR 9-40	N4700940	1.70 kW	1.3 kW	12.5 A	21.1 kg
CPS10/DHR 9-60	N4700950	2.35 kW	1.5 kW	18.4 A	26.0 kg



DIMENSIONS [mm]

Type	A	B	C	D	F	E~	DNA	DNM	E
CPS10/DHR 4-50	394	205	137,5	66,5	222	173	1 1/4"	1"	190
CPS10/DHR 9-40	408	220	185	105	222	137	1 1/4"	1 1/4"	137
CPS10/DHR 9-60	468	220	185	105	222	198	1 1/2"	1 1/4"	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



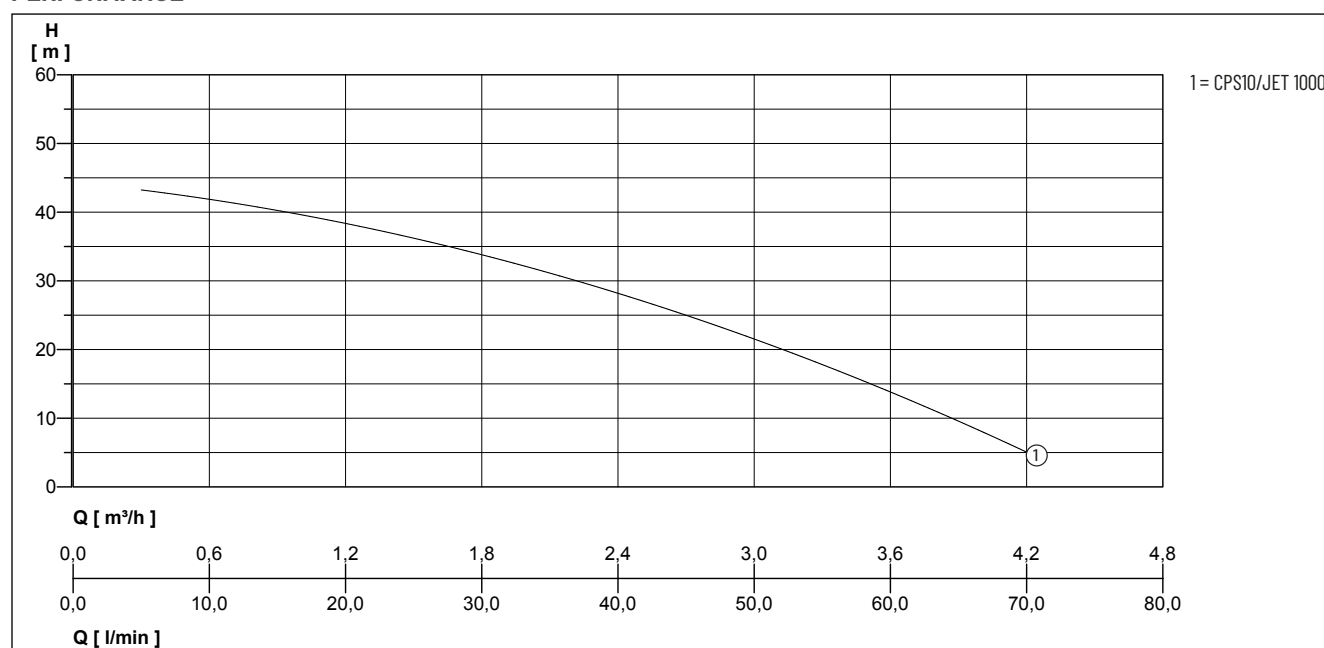
DESCRIPTION

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

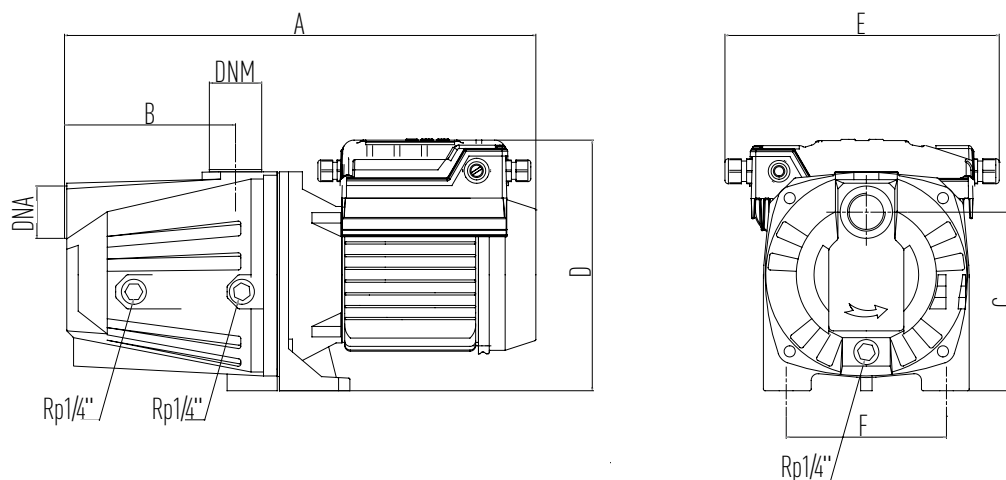
Shaft	Stainless steel X 12 CrNiS 1809 (AISI 416)	Operating pressure max.	6 bar
Impeller	Technopolymer	Type of liquid	clean water without suspended solids or abrasive material
Motor housing	Cast iron EN GJL 200	Temperature of the liquid max.	50 °C
Pump housing	Cast iron EN GJL 200	Gasket	NBR 70 Shore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

ELECTRICAL DATA

Voltage	1/N/PE~230 V	Type of enclosure	IP55 (if installed on motors with a degree of protection IP55 or above)
Motor rating P1	1.1 kW	Insulation class	F
Motor rating P2	0.75 kW	Ambient temperature max.	40 °C
Current	7.7 A	Rotation speed	2850 rpm

CPS10/JET

Type	Code No.
CPS10/JET 1000	N4700960



DIMENSIONS [mm]

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

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

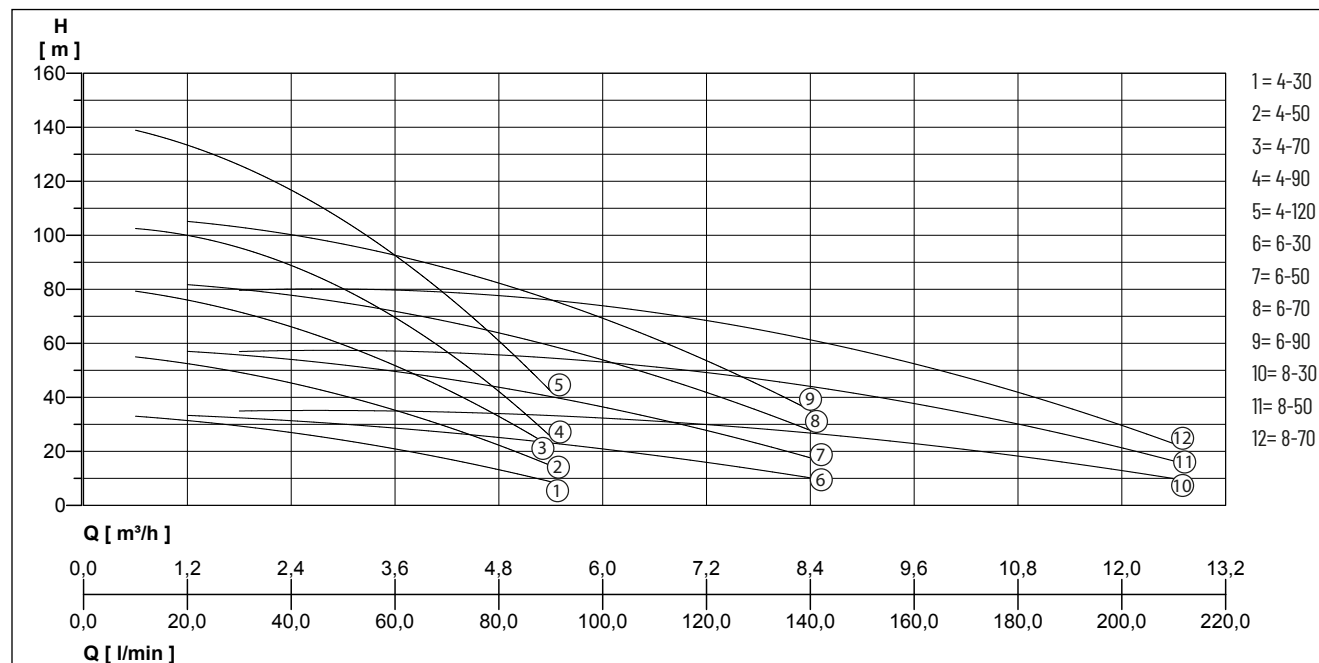
- High reliability - thanks to the durable and innovative design
- Quiet operation - improved user comfort thanks to its quiet operation
- Many possible uses for the residential market
- High performances



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

Run dry 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)	Saughöhe max.	6 m
		Gasket	NBR

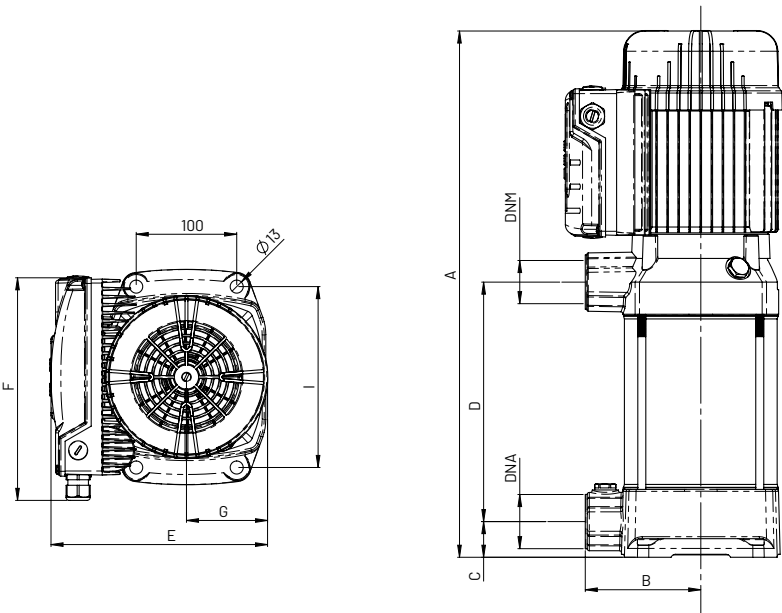
ELECTRICAL DATA

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		Current	Weight
		P1	P2		
CPS10 MULTINOX VE+ 4-30	N4700870	0.75 kW	0.75 kW	5.0 A	21 kg
CPS10 MULTINOX VE+ 4-50	N4700970	1.10 kW	1.30 kW	7.5 A	25 kg
CPS10 MULTINOX VE+ 4-70	N4700980	1.60 kW	1.30 kW	10.3 A	29 kg
CPS10 MULTINOX VE+ 4-90	N4700990	2.00 kW	1.50 kW	11.0 A	30 kg
CPS10 MULTINOX VE+ 4-120	N4701000	2.60 kW	1.50 kW	17.8 A	32 kg
CPS10 MULTINOX VE+ 6-30	N4700880	0.70 kW	0.90 kW	8.0 A	21 kg
CPS10 MULTINOX VE+ 6-50	N4701010	1.50 kW	1.30 kW	11.6 A	25 kg
CPS10 MULTINOX VE+ 6-70	N4701020	2.10 kW	1.50 kW	15.2 A	29 kg
CPS10 MULTINOX VE+ 6-90	N4701030	2.41 kW	1.50 kW	16.0 A	30 kg
CPS10 MULTINOX VE+ 8-30	N4701040	1.20 kW	1.30 kW	8.0 A	21 kg
CPS10 MULTINOX VE+ 8-50	N4701050	2.00 kW	1.30 kW	12.5 A	25 kg
CPS10 MULTINOX VE+ 8-70	N4701060	2.60 W	1.50 kW	16.0 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/PVM 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

Run dry 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		

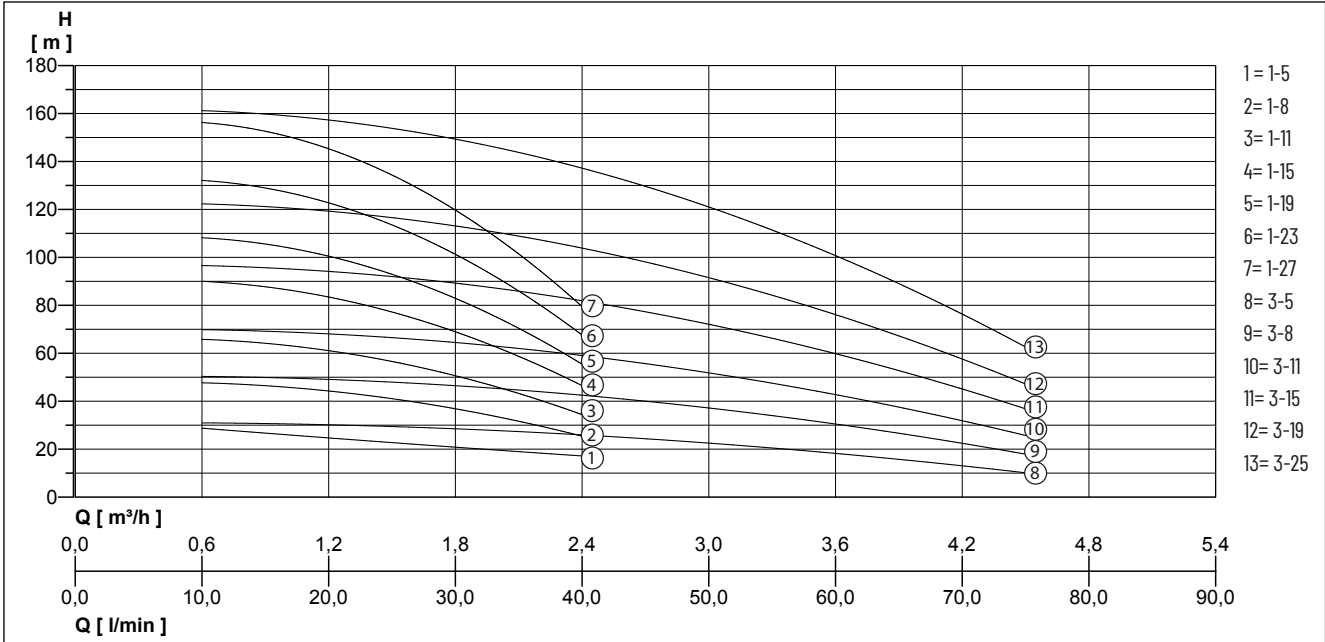
ELECTRICAL DATA

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

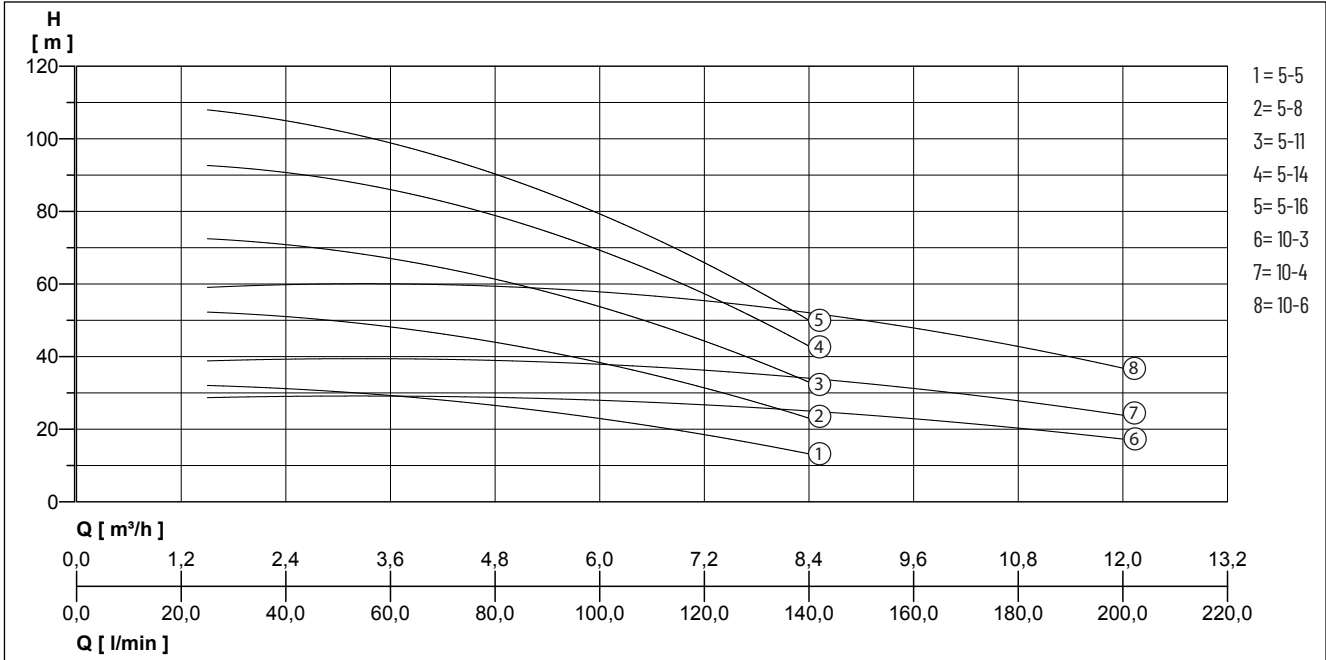
CPS 10/PVM 1 PVM 3

Type	Code No.	Motor rating		Current	Weight
		P1	P2		
CPS10 PVM 1-5	N4700890	0.4 kW	0.37 kW	3.4 A	29 kg
CPS10 PVM 1-8	N4700910	0.6 W	0.55 kW	4.1 A	31 kg
CPS10 PVM 1-11	N4700920	0.7 kW	0.55 kW	4.8 A	32 kg
CPS10 PVM 1-15	N4700530	-	0.80 kW	5.8 A	36 kg
CPS10 PVM 1-19	N4700540	-	1.10 kW	7.4 A	38 kg
CPS10 PVM 1-23	N4700550	-	1.10 kW	8.3 A	40 kg
CPS10 PVM 1-27	N4700560	-	1.50 kW	9.9 A	50 kg
CPS10 PVM 3-5	N4700900	0.4 W	0.37 kW	3.0 A	29 kg
CPS10 PVM 3-8	N4700580	-	0.80 kW	4.8 A	33 kg
CPS10 PVM 3-11	N4700590	-	1.10 kW	6.6 A	35 kg
CPS10 PVM 3-15	N4700600	-	1.10 kW	9.0 A	37 kg
CPS10 PVM 3-19	N4700610	-	1.50 kW	11.0 A	47 kg
CPS10 PVM 3-25	N4700620	-	2.20 kW	15.0 A	52 kg

CPS 10/PVM 5 PVM 10

FREQUENCY CONVERTER - SINGLE PHASE

PERFORMANCE



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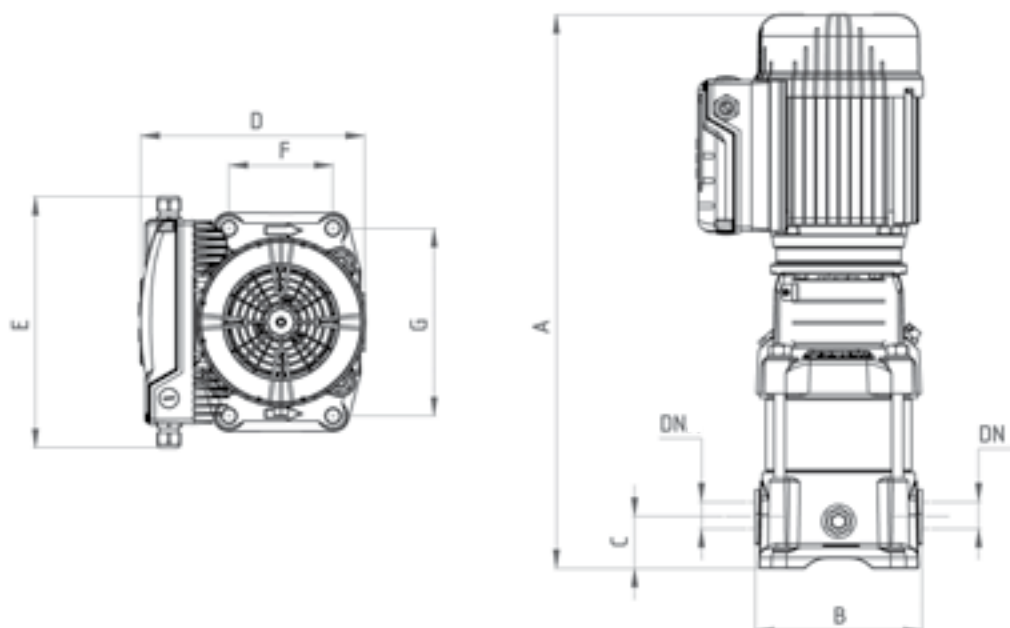
Type	Flow rate Q [m³/h]	0	1.5	2.4	3	3.6	4.5	4.8	6	7.2	7.5	8.4	9	10.5	12
CPS10 PVM 5-5	Delivery head H [m]	32.3		31.1		29.4		26.8	22.9	18.0		13.5			
CPS10 PVM 5-8		52.9		51.1		48.5		44.3	38.2	30.5		23.6			
CPS10 PVM 5-11		73.5		71.1		67.5		61.8	53.5	43.0		33.8			
CPS10 PVM 5-14		94.1		91.1		86.6		79.4	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