CPM
CENTRIFUGAL PUMP

This series of electric pumps features a compact design, lightweight construction, and easy installation, making it an ideal solution for efficient and energy-saving water transfer applications. Designed for reliable performance, it is suitable for a wide range of domestic, agricultural, and light commercial uses.

Typical applications include farmland irrigation, sprinkler systems, garden watering, greenhouse water supply, aquaculture water circulation and drainage, well water extraction, and household water pressure boosting. Its versatility and dependable operation make it an excellent choice for everyday water supply requirements.

MODEL DESCRIPTION

CP m 130

- 130 — Size of impeller
- m — Single Phase Motor (Omitted for three-phase motor)
- CP — Product code



PUMP CONFIGURATION

Pump Body:	Cast iron, electrophoretic coating
Impeller:	Stainless steel
Mechanical Seal:	Ceramic-graphite
Connecting parts:	Cast iron, electrophoretic coatin

PUMP FEATURES

- Low noise operation
- Overload protection
- Small size, light weight
- New pump body, better performance

PUMP USE PRECAUTIONS

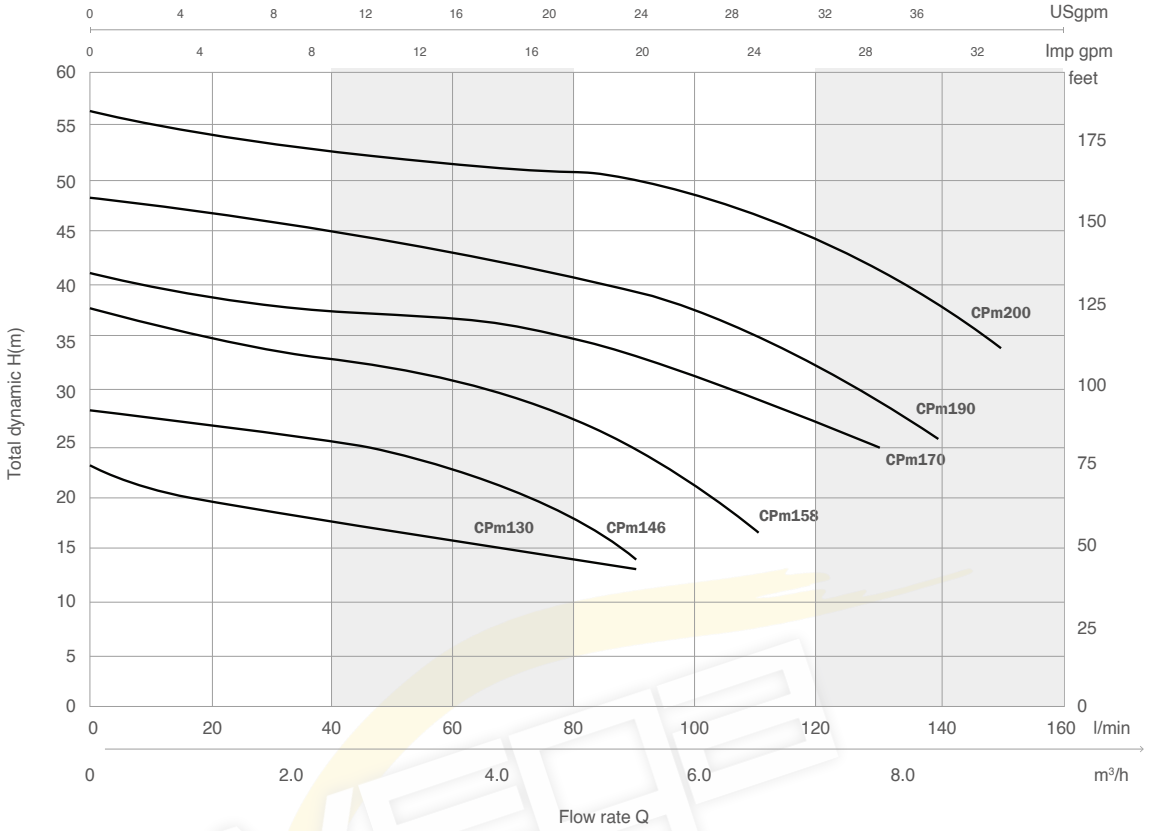
- Before the first use, the water storage tank should be filled with water;
- The PH value of the medium is between 6.5-8.5;
- Maximum working pressure:
  - 0.5MPa (CPm 130/146/158)
  - 0.7MPa (CPm 170)
  - 1.0MPa (CPm 190/200)
- Insulation class: F

TECHNICAL SPECIFICATIONS

Max.Power	Up to 2.2 kW
Max.Flow	150 l/min
Max.Head	56m
Suct. Max	7m
Liquid Temperature	<40°C

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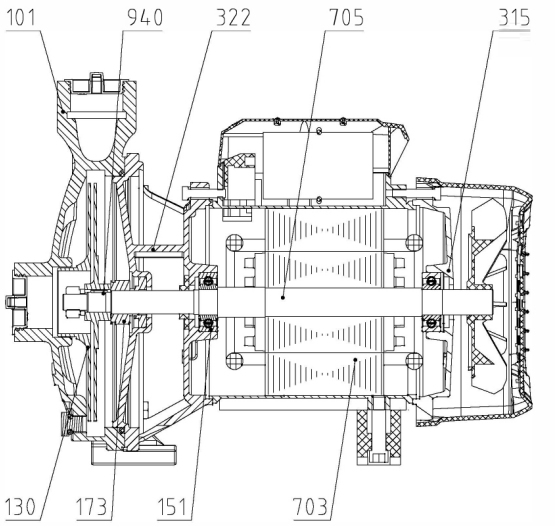
PERFORMANCE CURVE



PERFORMANCE TABLE

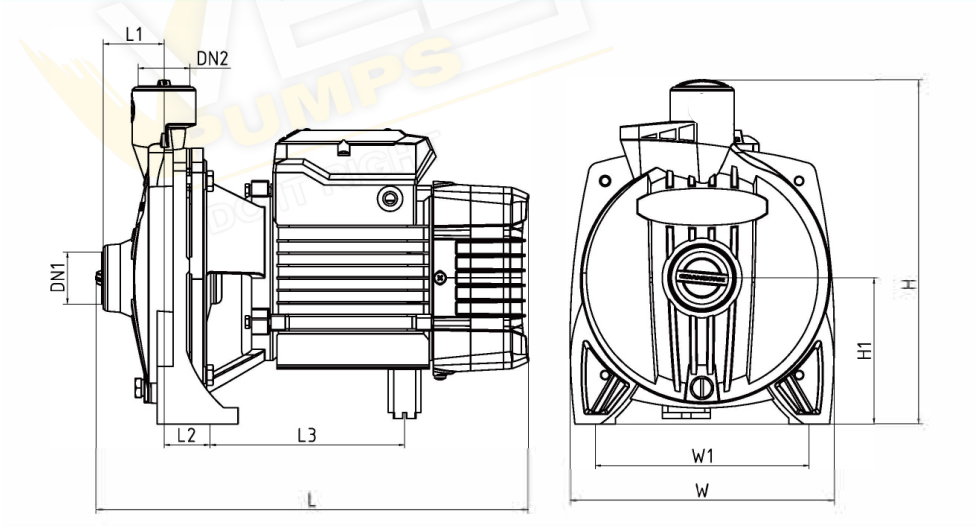
Model		Power	Suct. Max	Size	Q(m³/h)	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4	6	6.6	7.2	7.8	8.4	9
Single-phase	Three-phase	kW	m	Inch	Q(l/min)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150
CPm130		0.37	7	1"×1"	H(m)	23	20.5	19.5	18.5	17.5	17	16	15	14	13	-	-	-	-	-	-
CPm146		0.55	7	1"×1"		28	27	26	25.5	25	24	22.5	20.5	17.5	14	-	-	-	-	-	-
CPm158	CP158	0.75	7	1"×1"		37.5	36	34.5	33.5	33	32	31	29.5	27	24	20.5	16.5	-	-	-	-
CPm170	CP170	1.1	7	1.25"×1"		41	39	38.5	38	37.5	37	36.5	35.5	34	32.5	31	29	27	24.5	-	-
CPm190	CP190	1.5	7	1.25"×1"		48	46	45.5	45	44.5	44	43	42	40.5	39.5	38	35	32	29	25.5	-
CPm200	CP200	2.2	7	1.25"×1"		56	53	52.7	52.5	52.2	52	51.5	51	50.5	49.5	49	46.5	44	41.5	38	34

PUMP CONFIGURATION



POS.	COMPONENT	MATERIAL
101	PUMP BODY	Cast iron
130	IMPELLER	Stainless steel
151	BEARING	Deep groove ball bearings
173	MECHANICAL SEAL	Ceramic - graphite
315	END COVER	Cast iron
322	COUPLING	Cast iron
703	STATOR CORE	Stator core with winding
705	ROTOR	Cast aluminium rotors
940	KEY	Stainless steel

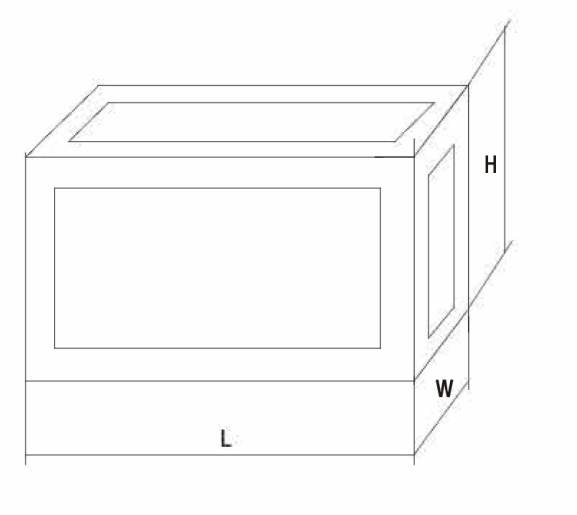
DIMENSIONS



MODEL		DIMENSIONS (mm)									
		DN1	DN2	L	W	H	L1	L2	L3	W1	H1
CPm130		1"	1"	267	161	215.5	42.6	33	114	126	85
CPm146		1"	1"	310.5	192.5	245	45.4	43.5	132	155	106.5
CPm158	CP158	1"	1"	310.5	192.5	245	45.4	43.5	132	155	106.5
CPm170	CP170	1"/1.25"	1"	365	208.5	266	48	33.7	182.5	170	110
CPm190	CP190	1.25"	1"	356	235	293	51.8	44.2	161.5	195	117
CPm200	CP200	1.25"	1"	414	235	293	51.8	44.2	183	195	117

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PACKAGING DIMENSIONS



Model	G.W (kg)	N.W (kg)	L (cm)	W (cm)	H (cm)
CPm130	10.6	10	29	18	25.5
CPm146	15	14.4	33.5	19.5	27
CPm158	16	15.4	34.5	21	28.5
CPm170	22.7	21.7	39.5	26	31.5
CPm190	26	24.5	39.5	26	31.5
CPm200	34.1	31.1	44	25.5	31
CP158	15.7	15	34.5	21	28.5
CP170	22.4	21.4	39.5	26	31.5
CP190	25.5	23.5	39.5	26	31.5
CP200	33.5	30.5	44	25.5	31