



CPM

Centrifugal Pump

Capacity up to 133 L/h(8m³ /h)

Head up to 48m

APPLICATION LIMITS

Maximum operating depth 7m below water level

Liquid temperature +40°C

Ambient temperature up to +40°C



INSTALLATION & USE

Recommended for pumping clean water without abrasive particles, and liquids that are chemically nonaggressive for the pump materials.

Reliable, easy to use and economical. Hence, these pumps are suitable for domestic use and in particular, for the distribution of water for the irrigation of gardens and allotments.

The pumps should be installed in enclosed environment or at least sheltered from inclement weather.

CONSTRUCTION

Pump Body: Cast iron

Impeller: stainless steel

Motor Shaft: 304 stainless steel shaft

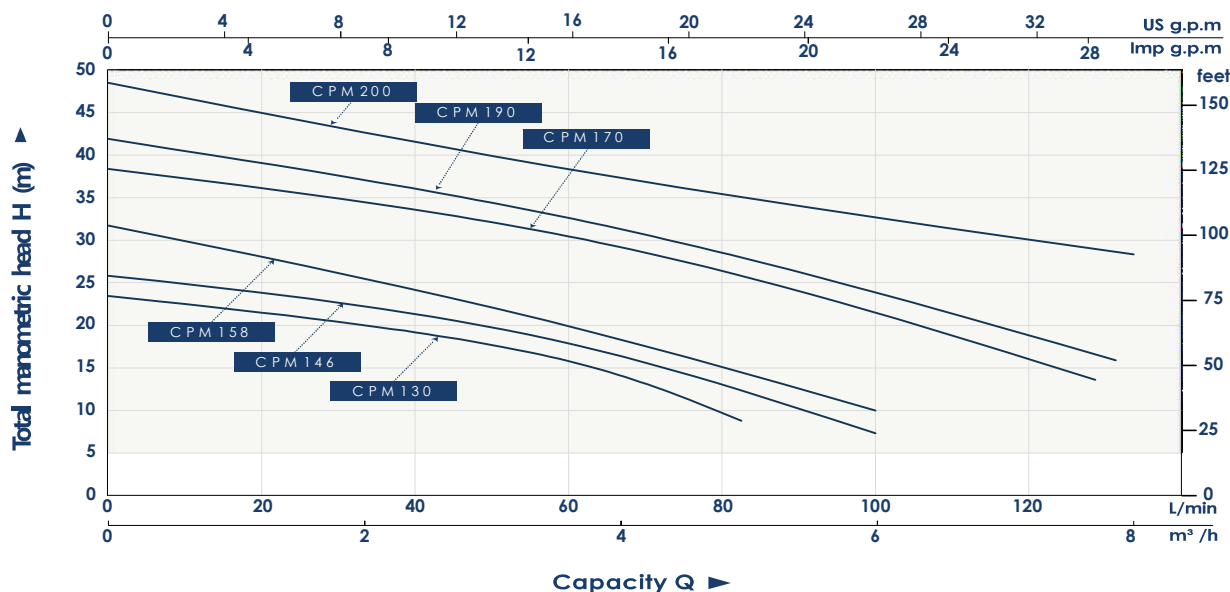
Mechanical Seal: Ceramic - graphite

Electric Motor: Cpm: Single-phase 230V-50Hz with condenser and thermal overload protector built into the copper winding. Cp: three-phase 380/400V-50Hz.

Insulation: Class F.

Protection: IP 44.

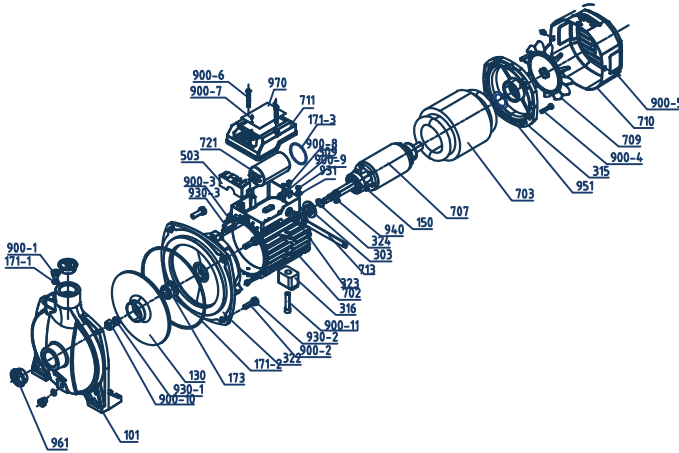
PERFORMANCE



Model	Power		Max Head	Max. Flow		Size	Suct. Max.	Q(m³/h)													
	KW	HP	M	L/min	m³/H	Inch	M	0	0.9	1.8	2.7	3.6	4.5	5.4	6.3	7.2	8				
CPm130	0.37	0.5	23	83	5	1"x1"	7	0	15	30	45	60	75	90	105	120	133				
CPm146	0.55	0.75	26	100	6	1"x1"	7	23	21.9	20.5	18.6	15.8	11.7	-	-	-	-				
CPm158	0.75	1	32	100	6	1"x1"	7	26	23.4	21.8	20	17.8	14.4	10	-	-	-				
CPm170	1.1	1.5	38	125	7.5	1 1/4"x1"	7	32	25.7	24.5	22.6	19.8	16.8	12.6	-	-	-				
CPm190	1.5	2	42	130	7.8	1"x1"	7	38	36	34	32.3	30.6	27.1	23.8	21.6	16.9	-				
CPm200	2.2	3	48	133	8	1"x1"	7	42	38.7	36.4	34.2	32.5	29.7	25.2	22.6	18.2	-				
								48	46	43.5	40.7	38.1	36.3	34.6	33	30.6	27.9				

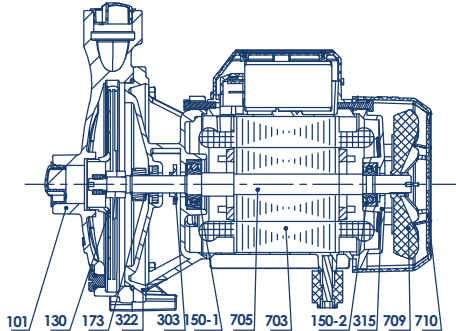
Surface Pumps

DIAGRAM



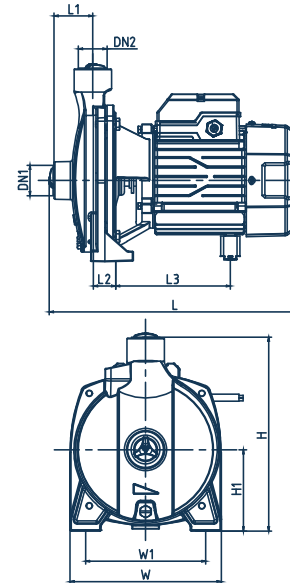
101	Pump body	721	Run capacitor
130	Impeller	900-1	Vent cock
150	Bearing	900-2	Hexagon headed bolt
171-1	O ring	900-3	Hexagon headed bolt
171-2	O ring	900-4	Hexagon headed bolt
171-3	O ring	900-5	Phillips pan head screw
173	Mechanical seal	900-6	Phillips pan head screw
303	Water retaining ring	900-7	Nameplate rivet
309	Cable pressing plate	900-8	Phillips pan head screw
315	End cover	900-9	Cross recessed round head screw with washer
316	Foot	900-10	Slotted hexagon nut
322	Coupling	900-11	Hexagon socket head cap screw
323	Cable gland	930-1	Spring washer
324	Circlip	930-2	Spring washer
503	Terminal Block	930-3	Spring washer
702	Barrel	931	External tooth Lock washer
703	Stator core with winding	940	Key
707	Cast aluminum rotor	951	Wave washer
709	Fan	961	Dust cover
710	Fan cover	971	Nameplate
711	Terminal box		
713	Cable		

Product parameters



POS.	COMPONENT	CONSTRUCTION CHARACTERISTICS
101	Pump body	Cast iron
130	Impeller	Stainless steel
150-1	Bearing	6202-2RZ
150-2	Bearing	6202-2RZ
173	MECHANICAL SEAL	Ceramic - graphite
303	Water retaining ring	Rubber
315	End cover	Cast iron
322	Coupling	Cast iron
703	stator	Stator core with winding
705	ROTOR	Cast aluminum rotor
709	Fan	Plastic PP
710	Fan cover	Plastic ABS

product dimensions



Model	DN1	DN2	Dimension(mm)							
			L	W	H	L1	L2	L3	W1	W2
CPm130	1"	1"	269	161	217	45	35	114	125	87
CPm146	1"	1"	312	175	231	48.5	36	131	140	100
CPm158	1"	1"	312	190	248	48.5	40.5	132.5	151	103
CPm170	1.25"	1"	359	205	274	50.5	38	169	164	119
CPm190	1"	1"	355	229	296	50.5	41	155	187	126
CPm200	1"	1"	418	229	282	50.5	41	184	187	117