CENTRIFUGAL PUMPS “HCm-1”



TECHNICAL FEATURES

- Suitable for clean water and liquids that are not chemically aggressive to the pump materials.
- Reliable and easy to use: widely used in domestic and civil applications such as water distribution with small and medium-sized pressure sets, liquid transfer, and the irrigation of gardens and allotments.
- Install in an enclosed area, or at least sheltered from bad weather.

MOTOR

- Two-pole induction motor (n = 2850 rpm)
- Insulation class B; protection IP44
- Continuous service S1
- Thermal protector on single-phase versions
- Single-phase 220 V / 50 Hz (60 Hz on request)
- Three-phase 380 V / 50 Hz (60 Hz on request)

WORKING CONDITION

- Liquid temperature up to 60 °C
- Ambient temperature up to 40 °C
- Total suction lift up to 8 m

MATERIALS

COMPONENT	CONSTRUCTION
Pump body	Cast iron
Pump support	Cast iron
Motor housing	Aluminium
Impeller	Brass
Motor shaft	Carbon steel, AISI 304 SS on request
Mechanical seal	Ceramic / Graphite

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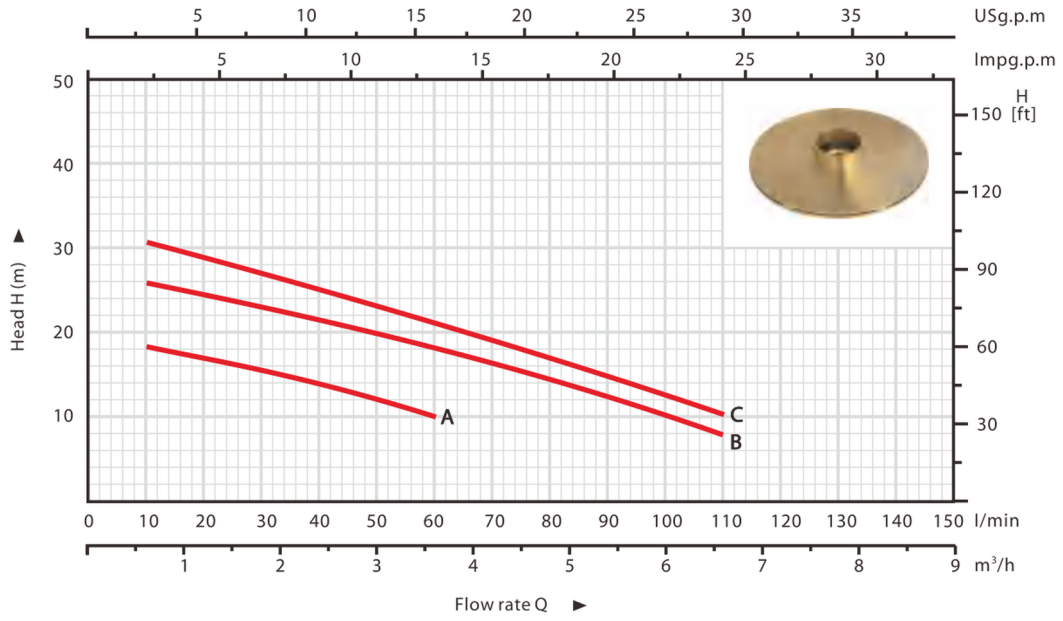
PERFORMANCE CHART AT n = 2850 RPM



NO.	MODEL	POWER kW	POWER HP	Q (m³/h)	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4	6	6.6
				Q (l/min)	0	10	20	30	40	50	60	70	80	90	100	110
A	HCm130-1	0.37	0.5	H (m)	20	18.5	17	15.5	14	12	10					
B	HCm146-1	0.55	0.75	H (m)	26	25	24	23	21.5	20	18.5	17	15	13	10.5	7.5
C	HCm158-1	0.75	1	H (m)	32	30.5	29	27.5	25.8	24	22.5	20.5	18.5	16	13	10

TECHNICAL DATA

NO.	MODEL	INLET / OUTLET (inch)	N.W. (kg)	L × W × H (mm)
A	HCm130-1	1" × 1"	9.5	285 × 188 × 240
B	HCm146-1	1" × 1"	13	315 × 197 × 255
C	HCm158-1	1" × 1"	15.5	320 × 210 × 275

Performance values at n = 2850 rpm, 50 Hz. Specifications are subject to change without notice.