CENTRIFUGAL PUMPS “HCm-5”



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

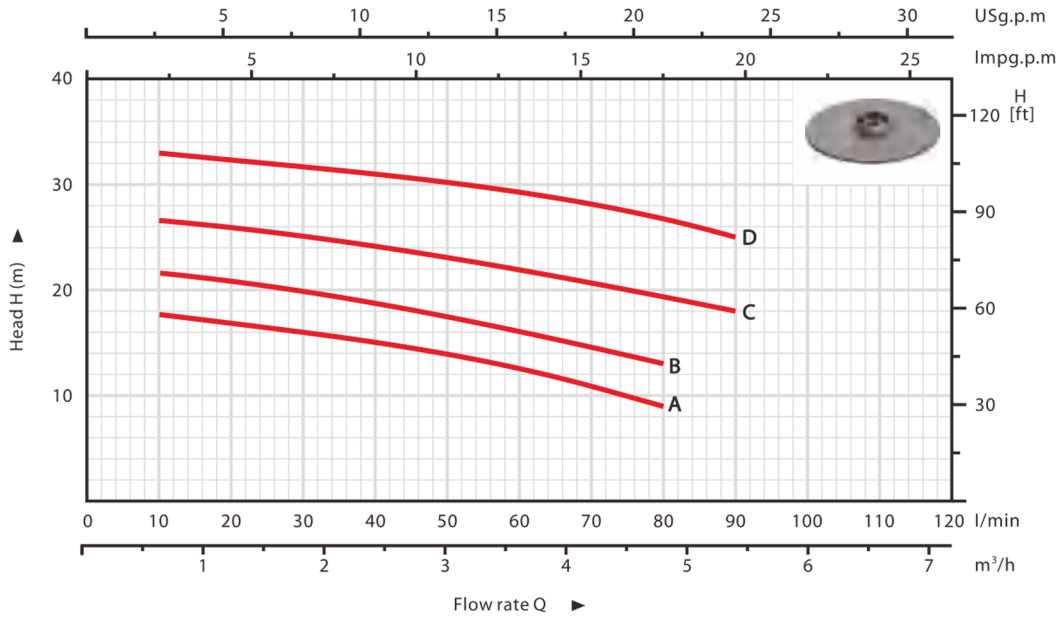
- Liquid temperature up to 60 °C
- Ambient temperature up to 40 °C
- Total suction lift up to 8 m

MATERIALS

COMPONENT	CONSTRUCTION
Pump body	Cast iron
Pump support	Aluminium
Motor housing	Aluminium
Impeller	AISI 304 SS
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
				Q (l/min)	0	10	20	30	40	50	60	70	80	90
A	HCm100-5	0.25	0.33	H (m)	18	17.5	16.8	16	15	14	12.5	11	9	
B	HCm130-5	0.37	0.5	H (m)	22	21.5	20.8	20	19	17.5	16	14.5	13	
C	HCm146-5	0.55	0.75	H (m)	27	26.5	26	25	24	23	22	21	19.5	18
D	HCm158-5	0.75	1	H (m)	34	33	32.3	31.5	30.8	30	29	28	26.5	25

TECHNICAL DATA

NO.	MODEL	INLET / OUTLET (inch)	N.W. (kg)	L × W × H (mm)
A	HCm100-5	1" × 1"	7.2	299 × 175 × 233
B	HCm130-5	1" × 1"	8.1	299 × 175 × 233
C	HCm146-5	1" × 1"	11.4	325 × 205 × 270
D	HCm158-5	1" × 1"	12.7	325 × 205 × 270

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