SMART SELF-PRIMING PUMPS “HQSm-A”



TECHNICAL FEATURES

- Suitable for clean water free of abrasive particles and liquids that are not chemically aggressive to the pump materials.
- Easy to use and economical: ideal for domestic use, in particular for water distribution with small pressure sets and for the irrigation of gardens and allotments.
- Supplied complete with a flap check valve.
- Keeps the water pressure stable so that water heaters work normally.
- Install in an enclosed area, or at least sheltered from bad weather.



HQSm-A



MOTOR

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

WORKING CONDITION

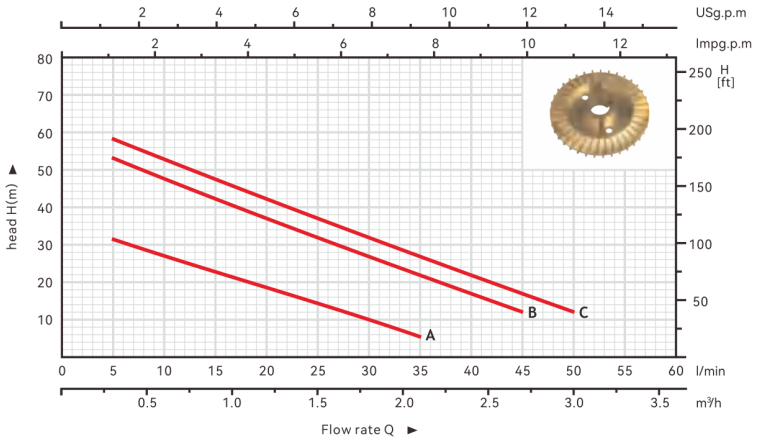
- Liquid temperature up to 80 °C
- Ambient temperature up to 40 °C
- Total suction lift up to 9 m

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MATERIALS

COMPONENT	CONSTRUCTION
Pump body	Cast iron + AISI 304 SS insert
Pump cover	Cast iron (electrophoresis) + AISI 304 SS insert
Motor housing	Aluminium
Impeller	Brass
Motor shaft	AISI 304 SS
Mechanical seal	Ceramic / Graphite

PERFORMANCE CHART AT n = 2850 RPM



NO.	MODEL	POWER kW	POWER HP	Q (m³/h)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3
				Q (l/min)	0	5	10	15	20	25	30	35	40	45	50
A	HQSm60-A	0.37	0.5	H (m)	35	31	27	22.5	18.5	14.5	10	5.5			
B	HQSm70-A	0.55	0.75	H (m)	58	53	47	42	37	32	27	22	17	12	
C	HQSm80-A	0.75	1	H (m)	65	58.5	52.5	47.5	42	37	32	27	22	17	12

TECHNICAL DATA

NO.	MODEL	INLET / OUTLET (inch)	N.W. (kg)	L × W × H (mm)
A	HQSm60-A	1" × 1"	8.3	298 × 220 × 273
B	HQSm70-A	1" × 1"	12.3	313 × 232 × 290
C	HQSm80-A	1" × 1"	13.6	313 × 232 × 290

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