HORIZONTAL MULTISTAGE PUMPS “HMC90-SH”



TECHNICAL FEATURES

- Suitable for clean water, even where air is present, and for liquids that are not chemically aggressive to the pump materials.
- Designed to pump water even where air is present.
- Quiet, reliable and energy-efficient: recommended for domestic and civil applications such as pressurisation and water distribution with pressure sets, rainwater recovery and irrigation systems.
- Install in an enclosed area, or at least sheltered from bad weather.



HMC90-SH



HMC90-SH

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

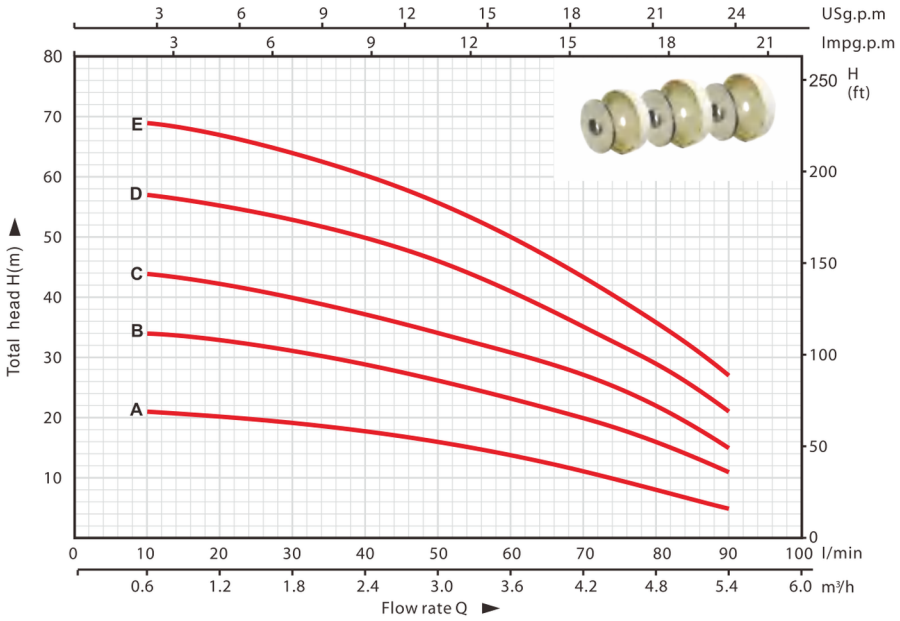
- Liquid temperature up to 60 °C
- Ambient temperature up to 40 °C
- Total suction lift up to 8 m

MATERIALS

COMPONENT	CONSTRUCTION
Pump body	Cast iron + Stainless steel
Pump support	Cast iron
Motor housing	Aluminium
Impeller	AISI 304 SS, Techno-polymer on request
Motor shaft	AISI 304 SS
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	HMC90-2SH	0.45	0.6	H (m)	22	21	20	19	18	16	14	11	8	5
B	HMC90-3SH	0.65	0.9	H (m)	35	34	33	31	29	26	23	20	16	11
C	HMC90-4SH	0.75	1	H (m)	45	44	42	40	37	34	31	27	22	15
D	HMC90-5SH	1	1.3	H (m)	58	57	55	53	50	46	41	35	29	21
E	HMC90-6SH	1.3	1.75	H (m)	70	69	67	64	60	56	50	43	36	27

TECHNICAL DATA

NO.	MODEL	INLET / OUTLET (inch)	N.W. (kg)	L × W × H (mm)
A	HMC90-2SH	1" × 1"	8.7	395 × 185 × 195
B	HMC90-3SH	1" × 1"	11.2	464 × 190 × 215
C	HMC90-4SH	1" × 1"	12.2	489 × 190 × 215
D	HMC90-5SH	1" × 1"	13.3	514 × 190 × 215
E	HMC90-6SH	1" × 1"	17.1	559 × 245 × 255

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