CENTRIFUGAL PUMPS “HFM”



TECHNICAL FEATURES

- Suitable for civil and agricultural applications.
- High efficiency and continuous-duty capability make these pumps ideal for flood and spray irrigation, gardening, agriculture, drawing water from lakes, rivers and wells, and industrial applications that require high flow rates at medium to low head.
- Install in an enclosed area, or at least sheltered from bad weather.



HFM-75



HFM-95

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

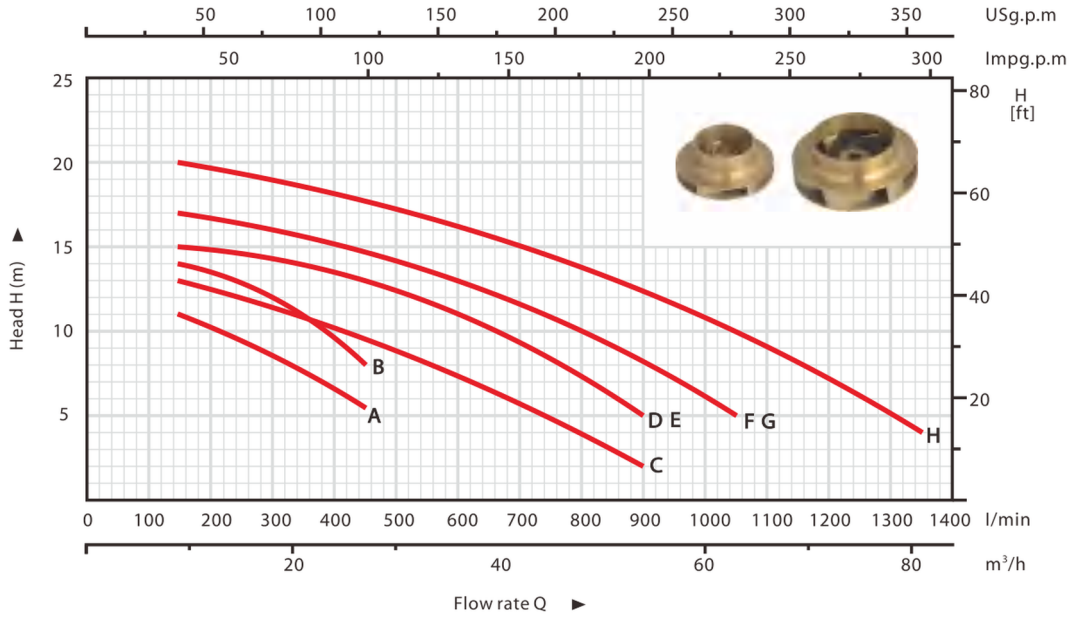
- Liquid temperature up to 60 °C
- Ambient temperature up to 40 °C
- Total suction lift up to 8 m

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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

PERFORMANCE CHART AT n = 2850 RPM



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NO.	MODEL	POWER kW	POWER HP	Q (m^3/h)	0	9	18	27	36	45	54	63	72	81
				Q (l/min)	0	150	300	450	600	750	900	1050	1200	1350
A	HFM-70	0.75	1	H (m)	12	11	8.5	5.5						
B	HFM-75	1.1	1.5	H (m)	15	14	12	8						
C	HFM-80	1.1	1.5	H (m)	14	13	11.5	9.5	7.5	5	2			
D	HFM-85	1.5	2	H (m)	16	15	14	13	11	8.5	5			
E	HFM-90	1.5	2	H (m)	16	15	14	13	11	8.5	5			
F	HFM-95	2.2	3	H (m)	18	17	16	14.5	13	11	8	5		
G	HFM-100	2.2	3	H (m)	18	17	16	14.5	13	11	8	5		
H	HFM-105	3	4	H (m)	20.5	20	19	17.5	16	14.5	12	10	7	4

TECHNICAL DATA

NO.	MODEL	INLET / OUTLET (inch)	N.W. (kg)	L × W × H (mm)
A	HFM-70	2" × 2"	16	360 × 217 × 270
B	HFM-75	2" × 2"	18	360 × 217 × 270
C	HFM-80	3" × 3"	26	475 × 305 × 345
D	HFM-85	3" × 3"	27.5	475 × 305 × 345
E	HFM-90	4" × 4"	31	475 × 305 × 345
F	HFM-95	4" × 4"	35	530 × 305 × 350
G	HFM-100	3" × 3"	32	530 × 305 × 350
H	HFM-105	4" × 4"	39	560 × 305 × 350

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