CENTRIFUGAL PUMPS “HBMS”



TECHNICAL FEATURES

- Suitable for liquid transfer and circulation in light industry, pressure boosting and household water supply, cooling systems and air-conditioning systems.



HBMS70



HBMS210

MOTOR

- Two-pole induction motor (n = 2850 rpm)
- Insulation class B; protection IPX5
- Continuous service S1
- Thermal protector on single-phase versions
- Single-phase 220 V / 50 Hz
- Three-phase 380 V / 50 Hz

WORKING CONDITION

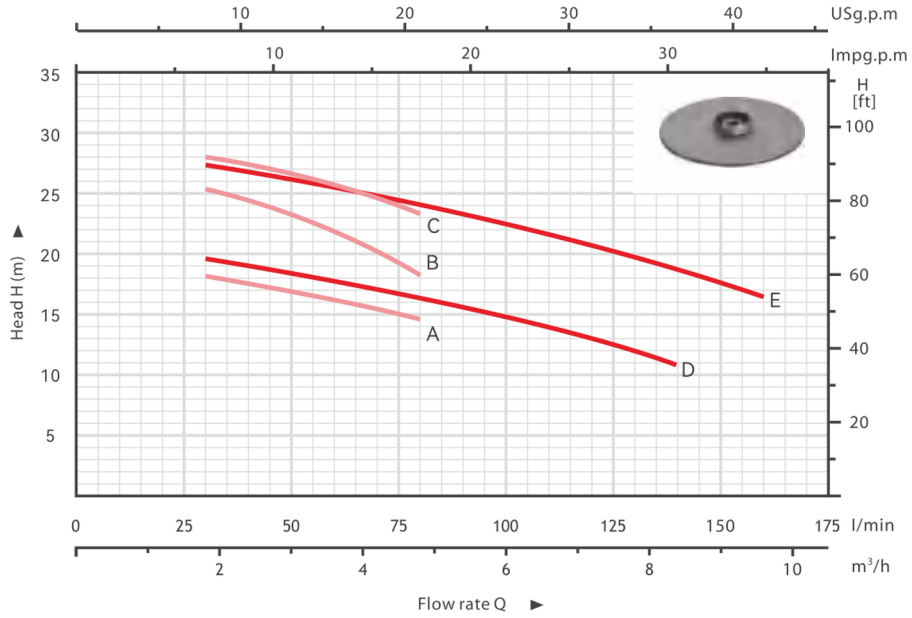
- Liquid temperature up to 60 °C
- Ambient temperature up to 40 °C
- Total suction lift up to 8 m

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MATERIALS

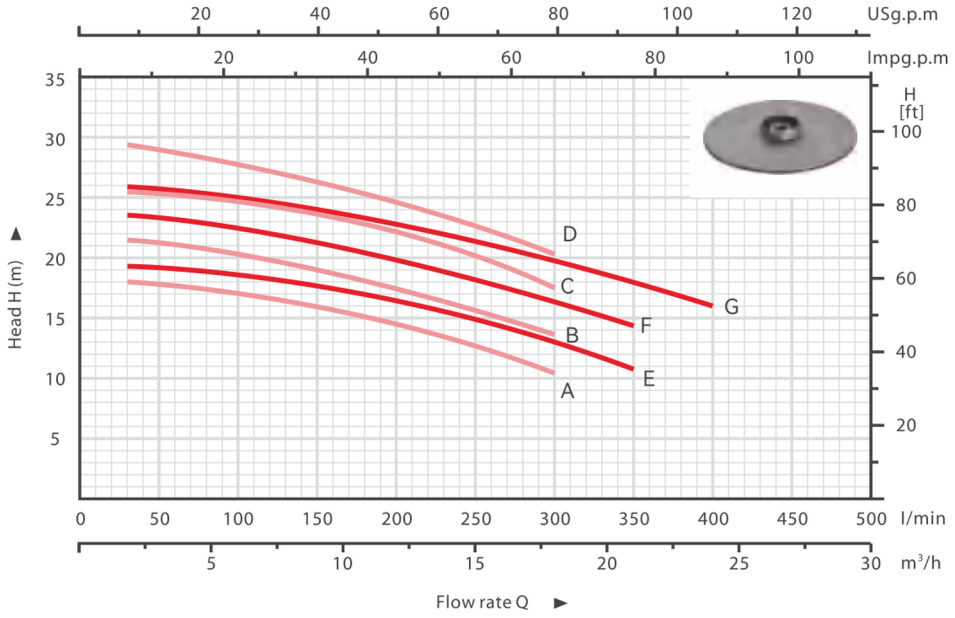
COMPONENT	CONSTRUCTION
Pump body	AISI 304 SS
Pump support	Aluminium
Motor housing	Aluminium
Impeller	AISI 304 SS
Motor shaft	AISI 304 SS
Mechanical seal	SiC / Graphite

PERFORMANCE CHART AT n = 2850 RPM



NO.	MODEL	POWER kW	POWER HP	Q (m³/h)	0	1.8	2.4	3.6	4.8	6	7.2	8.4	9.6
				Q (l/min)	0	30	40	60	80	100	120	140	160
A	HBMS(m)70/0.37	0.37	0.5	H (m)	21	18.1	17.5	16.1	14.7				
B	HBMS(m)70/0.55	0.55	0.75	H (m)	28.5	25.2	24.1	21.4	18.1				
C	HBMS(m)70/0.75	0.75	1	H (m)	30	28	27.3	25.5	23.2				
D	HBMS(m)120/0.55	0.55	0.75	H (m)	22	19.6	19	17.6	16.1	14.6	12.7	10.9	
E	HBMS(m)120/1.1	1.1	1.5	H (m)	30	27.2	26.7	25.4	23.7	22	20.2	18.4	16.3

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NO.	MODEL	POWER kW	POWER HP	Q (m³/h)	0	1.8	2.4	3.6	4.8	6	7.2	8.4	9.6	10.8	12	15	18	21	24
				Q (l/min)	0	30	40	60	80	100	120	140	160	180	200	250	300	350	400
A	HBMS(m)210/0.75	0.75	1	H (m)	18	17.9	17.8	17.7	17.5	17.3	17	16.5	15.9	15.2	14.5	12.5	10.5		
B	HBMS(m)210/1.1	1.1	1.5	H (m)	22	21.4	21.3	21	20.7	20.4	20	19.6	19.1	18.5	17.9	16.1	13.9		
C	HBMS(m)210/1.5	1.5	2	H (m)	26	25.5	25.4	25.1	24.8	24.4	23.9	23.4	22.8	22.2	21.6	19.6	17.4		
D	HBMS(m)210/2.2	2.2	3	H (m)	30	29.4	29.2	28.8	28.4	27.9	27.4	26.9	26.3	25.6	24.9	22.7	20.2		
E	HBMS(m)370/1.1	1.1	1.5	H (m)	19.5	19.1	19	18.8	18.6	18.3	17.9	17.5	17.1	16.6	16.1	14.6	12.9	10.8	
F	HBMS(m)370/1.5	1.5	2	H (m)	23.5	23.4	23.3	23.1	22.8	22.5	22.1	21.7	21.2	20.7	20.1	18.5	16.6	14.5	
G	HBMS(m)370/2.2	2.2	3	H (m)	26	25.9	25.8	25.6	25.4	25.1	24.7	24.3	23.8	23.3	22.8	21.1	19.5	17.8	16

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TECHNICAL DATA

NO.	MODEL	INLET / OUTLET (inch)	N.W. (kg)	L × W × H (mm)
A	HBMS(m)70/0.37	G1¼" × G1"	10	400 × 235 × 275
B	HBMS(m)70/0.55	G1¼" × G1"	11.2	400 × 235 × 275
C	HBMS(m)70/0.75	G1¼" × G1"	12	400 × 235 × 275
D	HBMS(m)120/0.55	G1¼" × G1"	11.2	400 × 235 × 275
E	HBMS(m)120/1.1	G1¼" × G1"	15.3	430 × 235 × 275
A	HBMS(m)210/0.75	G1½" × G1¼"	12.8	410 × 235 × 275
B	HBMS(m)210/1.1	G1½" × G1¼"	15.3	440 × 235 × 275
C	HBMS(m)210/1.5	G1½" × G1¼"	16.9	440 × 235 × 275
D	HBMS(m)210/2.2	G1½" × G1¼"	18.9	440 × 235 × 275
E	HBMS(m)370/1.1	G2" × G1¼"	15.3	440 × 235 × 275
F	HBMS(m)370/1.5	G2" × G1¼"	17	440 × 235 × 275
G	HBMS(m)370/2.2	G2" × G1¼"	19	440 × 235 × 275

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