SELF-PRIMING JET PUMPS “AJm”



TECHNICAL FEATURES

- Suitable for clean water and liquids that are not chemically aggressive to the pump materials.
- Self-priming jet pump designed to pump water even where air is present.
- Reliable and easy to use: recommended for domestic applications such as water distribution with small or medium-sized pressure sets and the irrigation of gardens and allotments.
- Install in an enclosed area, or at least sheltered from bad weather.



HBJm-M (on request)



AJm-M



HBJm-3BL/M/H



AJm-3BL/M/H

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

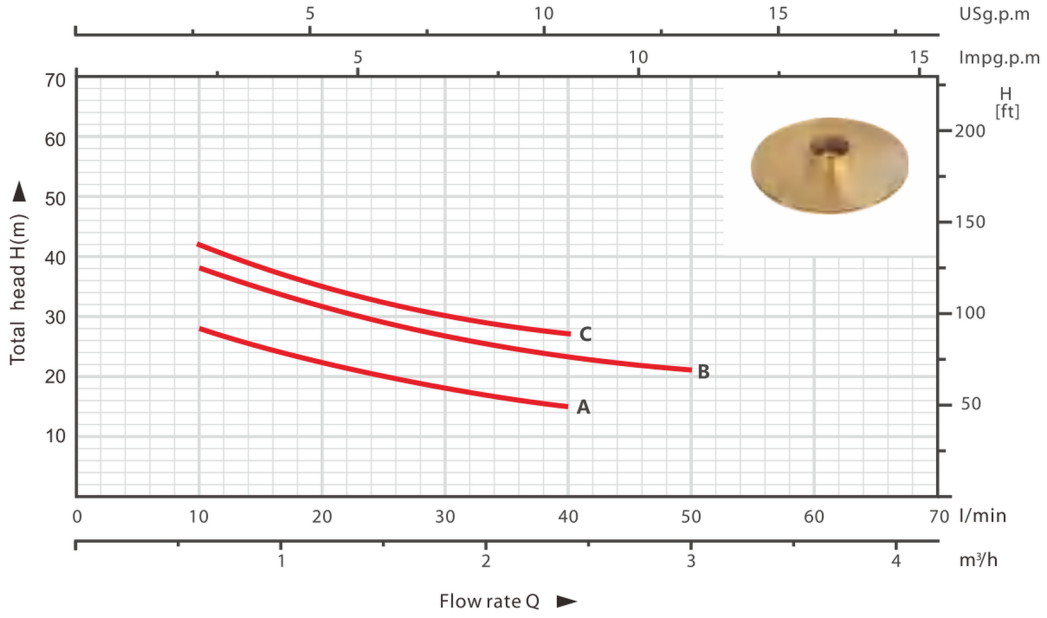
- Liquid temperature up to 60 °C
- Ambient temperature up to 40 °C
- Total suction lift up to 9 m

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MATERIALS

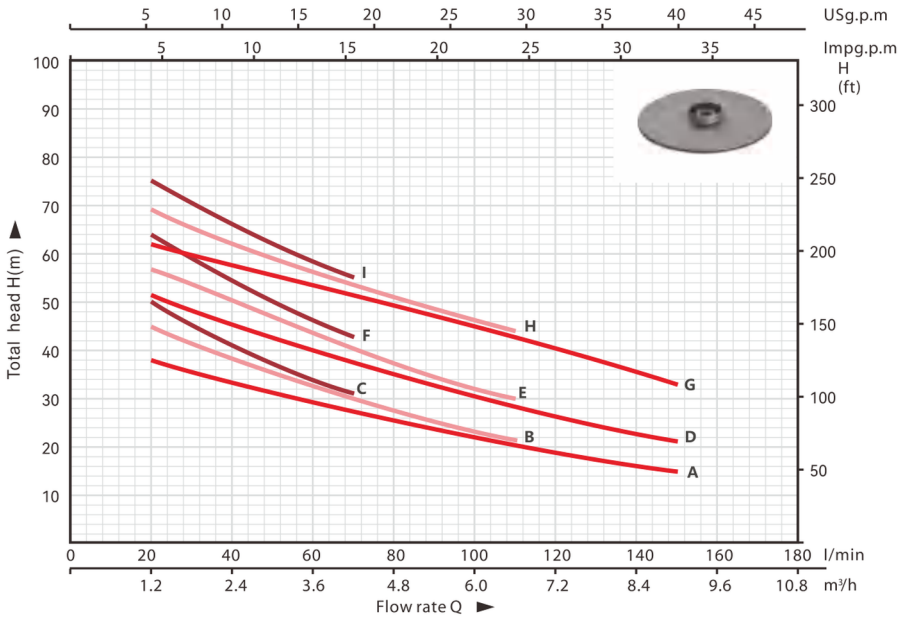
COMPONENT	AJm-M	HBJm-3BL/M/H / AJm-3BL/M/H
Pump body	Cast iron	Cast iron
Pump support	Aluminium	Aluminium
Motor housing	Aluminium	Aluminium
Impeller	Brass	AISI 304 SS
Diffuser	Techno-polymer	Techno-polymer
Motor shaft	Carbon steel, AISI 304 SS on request	Carbon steel, AISI 304 SS on request
Mechanical seal	Ceramic / Graphite	Ceramic / Graphite

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
				Q (l/min)	0	10	20	30	40	50
A	AJm-6M	0.37	0.5	H (m)	35	28	22	18	15	
B	AJm-10M	0.75	1	H (m)	43	38	31.5	27	23.5	21
C	AJm-10H	0.75	1	H (m)	51	42	35	30	27	

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NO.	MODEL	POWER kW	POWER HP	Q (m³/h)	0	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4	6.6	7.8	8.4	9
				Q (l/min)	0	20	30	40	50	60	70	80	90	110	130	140	150
A	AJm-3CL	1.1	1.5	H (m)	42	38	36	34	32	30	28	26	24	20.5	17.5	16	15
B	AJm-3CM	1.1	1.5	H (m)	52	45	42	38.5	35	32	29.5	27.5	25.5	21.5			
C	AJm-3CH	1.1	1.5	H (m)	64	50	45.5	41.5	38	34.5	31						
D	AJm-3BL	1.5	2	H (m)	55	51	48.5	46	43.5	40.5	38	35.5	33	28.5	24.5	23	21.5
E	AJm-3BM	1.5	2	H (m)	65	57	54.5	51	47	43.5	40.5	37.5	34.5	30			
F	AJm-3BH	1.5	2	H (m)	76	64	58.5	54	50	46	42.5						
G	AJ-3AL	2.2	3	H (m)	66	62	60	58	55.5	53	50.5	48.5	46.5	42	38	35.5	33
H	AJ-3AM	2.2	3	H (m)	76	69	65.5	62	59	56	53	50.5	48	44			
I	AJ-3AH	2.2	3	H (m)	88	75	70	65	61	58	55						

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TECHNICAL DATA

NO.	MODEL	INLET / OUTLET (inch)	N.W. (kg)	L × W × H (mm)
A	AJm-6M	1" × 1"	8	370 × 185 × 201
B	AJm-10M	1" × 1"	11.6	420 × 205 × 235
C	AJm-10H	1" × 1"	11.6	420 × 205 × 235
A	AJm-3CL	1¼" × 1"	22	570 × 230 × 280
B	AJm-3CM	1¼" × 1"	22	570 × 230 × 280
C	AJm-3CH	1¼" × 1"	22	570 × 230 × 280
D	AJm-3BL	1¼" × 1"	22.8	570 × 230 × 280
E	AJm-3BM	1¼" × 1"	22.8	570 × 230 × 280
F	AJm-3BH	1¼" × 1"	22.8	570 × 230 × 280
G	AJ-3AL	1¼" × 1"	24.5	570 × 230 × 280
H	AJ-3AM	1¼" × 1"	24.5	570 × 230 × 280
I	AJ-3AH	1¼" × 1"	24.5	570 × 230 × 280

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