CENTRIFUGAL PUMPS “ACm”



TECHNICAL FEATURES

- Suitable for clean water and liquids that are not chemically aggressive to the pump materials.
- Reliable and easy to use: widely used in domestic and civil applications such as water distribution with small and medium-sized pressure sets, liquid transfer, and the irrigation of gardens and allotments.
- Install in an enclosed area, or at least sheltered from bad weather.



HBCm (on request)



ACm

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

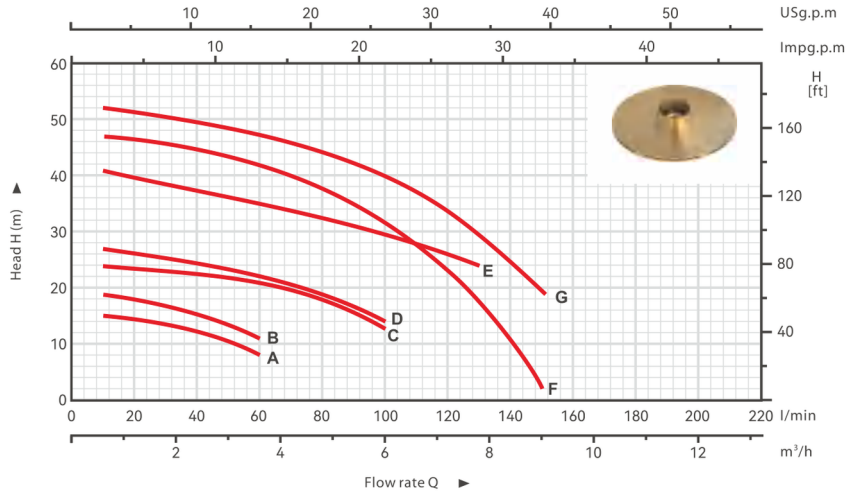
- Liquid temperature up to 60 °C
- Ambient temperature up to 40 °C
- Total suction lift up to 8 m

MATERIALS

COMPONENT	CONSTRUCTION
Pump body	Cast iron
Pump support	Aluminium
Motor housing	Aluminium
Impeller	Brass (0.25~2.2 kW), AISI 304 SS (1.1 kW)
Motor shaft	Carbon steel, AISI 304 SS on request
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	6	6.6	7.2	7.8	8.4	9
				Q (l/min)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150
A	ACm100	0.25	0.33	H (m)	17	16	15	14	13	11	8									
B	ACm130	0.37	0.5	H (m)	19	18	17	16	15	13	11									
C	ACm146	0.55	0.75	H (m)	24	24	23	23	22	22	21	20	18	16	13					
D	ACm158	0.75	1	H (m)	28	27	26	25	23	22	21	20	19	17	14					
E	ACm170	1.1	1.5	H (m)	41	40	39	38	37	36	35	33.8	32.5	31	29.5	28	26	24		
F	ACm190	1.5	2	H (m)	47	46	45	44	42.5	42	41	39.5	38	36.5	34	31	27	20	10	2
G	AC200	2.2	3	H (m)	52	51	49	48	47	46	45	44	42.5	41	39	37	34	30	26	19

TECHNICAL DATA

NO.	MODEL	INLET / OUTLET (inch)	N.W. (kg)	L × W × H (mm)
A	ACm100	1" × 1"	6.2	290 × 180 × 230
B	ACm130	1" × 1"	6.6	290 × 180 × 230
C	ACm146	1" × 1"	9.8	325 × 205 × 275
D	ACm158	1" × 1"	10.8	325 × 205 × 275
E	ACm170	1" × 1"	17.8	400 × 245 × 305
F	ACm190	1¼" × 1"	21.8	430 × 260 × 310
G	AC200	1¼" × 1"	22	430 × 260 × 310

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