



A WASTEWATER/SUMP SUBMERSIBLE PUMPS

FEATURE

- A precision manufactured motor is achieved by utilizing the highest standard of quality control. All rotors adopt heat treatment methods for drive shaft assembling, and stator winding impregnated with varnish that is heat dried in an industrial oven.
- HCP's professional assembly line, complimented with a synthesized production test, ensures the highest level of pump quality.
- Standard accessories include: cable with an epoxy resin sealed and water resistant cable base; auto-cut, the thermal motor protector; dual mechanical seals and lip seal design.
- The A-05A is a practical pump, with a low temperature, oil filled motor and single seal design (CA/CE).



APPLICATIONS

- Waste water.
- Sump drainage.
- Flood control.
- Dewatering for fish pond or basement and cellars.

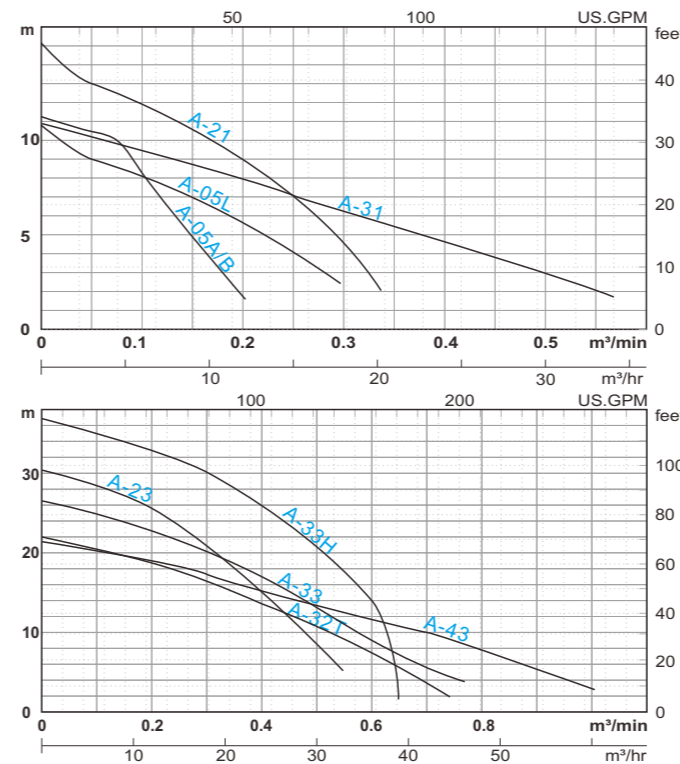
PRODUCT NOMENCLATURE

A	-	05	A
Type		HP	Style
A	-	2	1
Type		Discharge inch	HP



Note: A05-31 3Phase Vortex impeller will cause higher amperage when operated in reverse direction

PERFORMANCE CURVES



PERFORMANCE SPEC.

Model	HP(kW)	Discharge Inch(mm)	Phase Ø	Start Method	Standard		Solid Passage mm(inch)	Weight kg(lb)		Dimension (mm)				
					m - m³/min	ft - GPM		1Ø	3Ø	A	B	C	D	
A-05B	½ (0.4)	2" (50)	1	Capacitor	8 - 0.1	25 - 26	7.5 (¼")	13 (29)	12 (27)	226	-	161	372	372
A-05L	½ (0.4)	2" (50)	1	Capacitor	7 - 0.15	23 - 40	8 (¼")	16 (35)	14 (31)	245	-	173	430	430
A-21	1 (0.75)	2" (50)	1	Capacitor	10 - 0.17	32 - 45	10 (½")	17 (38)	15 (33)	245	-	173	430	430
A-31	1 (0.75)	3" (80)	1	Capacitor	6 - 0.3	20 - 80	10 (½")	18 (40)	17 (38)	278	-	173	457	457
A-32T	2 (1.5)	3" (80)	1	Capacitor	13 - 0.4	42 - 106	11 (½")	37 (82)	32 (71)	385	245	216	575	495
A-23	3 (2.2)	2" (50)	1	Capacitor	25 - 0.2	82 - 52	11 (½")	38 (84)	32 (71)	280	242	216	572	493
A-33	3 (2.2)	3" (80)	1	Capacitor	16 - 0.4	52 - 106	11 (½")	39 (86)	33 (73)	385	245	216	575	495
A-33H	4 (3.0)	3" (80)	1	Capacitor	23 - 0.4	75 - 106	11 (½")	47 (104)	-	385	245	216	575	-
A-43	3 (2.2)	4" (100)	1	Capacitor	10 - 0.7	32 - 185	11 (½")	44 (97)	39 (86)	385	246	216	575	495
A-05A	½ (0.4)	2" (50)	1	Capacitor	8 - 0.1	25 - 26	7.5 (¼")	12 (27)	11 (24)	226	-	161	349	349

Note: Weight Without Cable & Elbow Set

SPECIFICATIONS

Discharge (mm)		50 • 80 • 100
Limits Of Use	Liquid Temp.	0~40°C (32~104°F)
	Applications	Wastewater Sewage and Drainage water
	Submersion Depth	30m (100feet)
Type	Frequency	60Hz
	Motor	2P (3600RPM) • Dry Motor (A-05A: Oil motor)
	Insulation	Class B
	Protection	IP68
Material	Protector	Auto-cut (A-05A 3Ø none, A-05A/B/L 1Ø Overheat)
	Bearing	Ball Type
	M.seal	Double M.seals (A-05A: Single M.seal)
	Impeller	Semi-open (A-43: Enclosed-Channel)
	Upper Cover	FC-200
	Motor Frame	SUS304
	Shaft End	SUS410(0.5~1HP) • SUS403(2~3HP)
	M.seal	Upper: Carbon/Ceramic Lower: Silicon/Silicon (A-05A: carbon/ceramic)
	Casing	FC-200
	Impeller	FC-200(A-05A/B: PA)
Cable	VCT or H07RN-F or SJOW/SOW	
Optional	Pumps can be customized to fit specifications	

