

A SERIES WASTEWATER / SUMP SUBMERSIBLE PUMPS

A-05A · A-05B · A-05L · A-21 · A-31

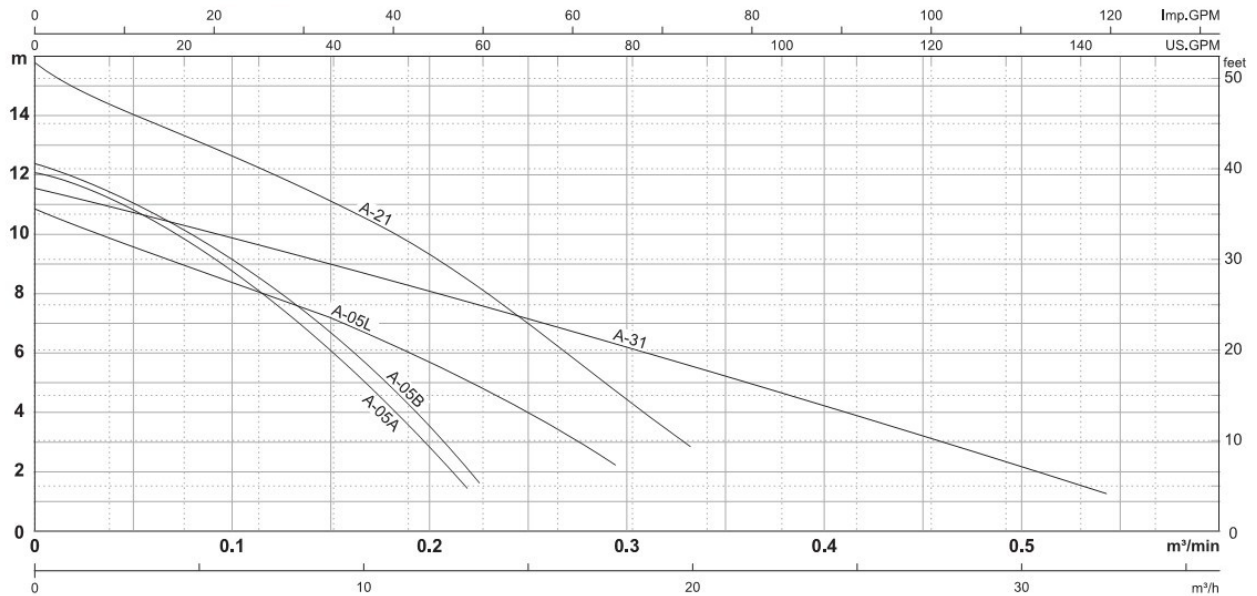
SPECIFICATIONS

Item		Description
Limits of Use	Liquid Temp.	0~40°C(32~104°F)
	Applications	Clean / Dirty Water From Sumps, Basins and Tanks
Type	Frequency	60Hz
	Motor	2P(3600rpm) · Dry Motor (A-05A:Oil Motor)
	Insulation	Class B
	Protection	IP68
	Protector	Auto-cut(0.5HP 1Ø:Overheat)
	Bearing	Ball type
	M.seal	Double M.seals(A-05A:Single M.seals)
Material	Impeller	Semi-open
	Upper Cover	FC200
	Motor Frame	SUS304
	Shaft End	SUS410
	M.seal	CA/CE & SiC/SiC(A-05A:CA/CE)
	Casing	FC200
	Impeller	FC200(A-05A/B:PA)
Optional	Cable	VCT or H07RN-F or SJOW/SOW
Optional		-



Model	Power HP(kW)	Discharge inch(mm)	Standard		MAX		Solid Passage mm(inch)	Weight(W/O Cable)		Phase	Voltage						
			m-m³/min	ft-GPM	m-m³/min	ft-GPM		1Ø-kg(lb)	3Ø-kg(lb)		110V	220V	230V	3Ø	3Ø	3Ø	3Ø
A-05A	0.5(0.4)	2"(50)	8-0.1	25-26	12-0.23	40-60	7.5(1/4")	12(26)	-	Full load Ampere	6.0	3.0	-	-	-	-	-
A-05B	0.5(0.4)	2"(50)	8-0.1	26-26	12-0.23	40-60	7.5(1/4")	13(29)	12(26)		5.6	2.8	1.9	1.9	1.1	1.0	0.8
A-05L	0.5(0.4)	2"(50)	7-0.15	23-40	10.5-0.3	35-80	10(3/8")	16(35)	14(31)		6.6	3.3	2.3	2.2	1.3	1.1	1.0
A-21	1(0.75)	2"(50)	10-0.17	32-45	15-0.35	50-92	10(3/8")	17(37)	15(33)		10.4	5.2	3.4	3.3	1.9	1.6	1.3
A-31	1(0.75)	3"(80)	6-0.3	20-80	11-0.6	35-158	10(3/8")	18(40)	17(37)		10.4	5.2	3.4	3.3	1.9	1.6	1.3

PERFORMANCE CURVES



Model	Power HP(kW)	Discharge inch(mm)	H:feet	Q:US.GPM							Q:m³/min							
				10'	15'	20'	25'	30'	35'	40'	50'	0.05	0.1	0.15	0.2	0.25	0.3	0.4
A-05A	0.5(0.4)	2"(50)	Q:US.GPM	52	46	40	32	24	14	-	-	10.8	8.8	6.1	2.8	-	-	-
A-05B	0.5(0.4)	2"(50)		55	49	42	35	26	16	2	-	11.1	9.2	6.7	3.5	-	-	-
A-05L	0.5(0.4)	2"(50)		73	62	49	35	18	2	-	-	9.6	8.4	7.2	5.7	4.0	-	-
A-21	1(0.75)	2"(50)		87	79	71	63	54	43	30	3	14.0	12.6	11.1	9.3	7.0	4.4	-
A-31	1(0.75)	3"(80)		121	101	81	59	37	14	-	-	10.7	9.9	9.0	8.1	7.2	6.2	4.2