

AS-112
AS-312



AS-123
AS-323



AS-333
AS-353



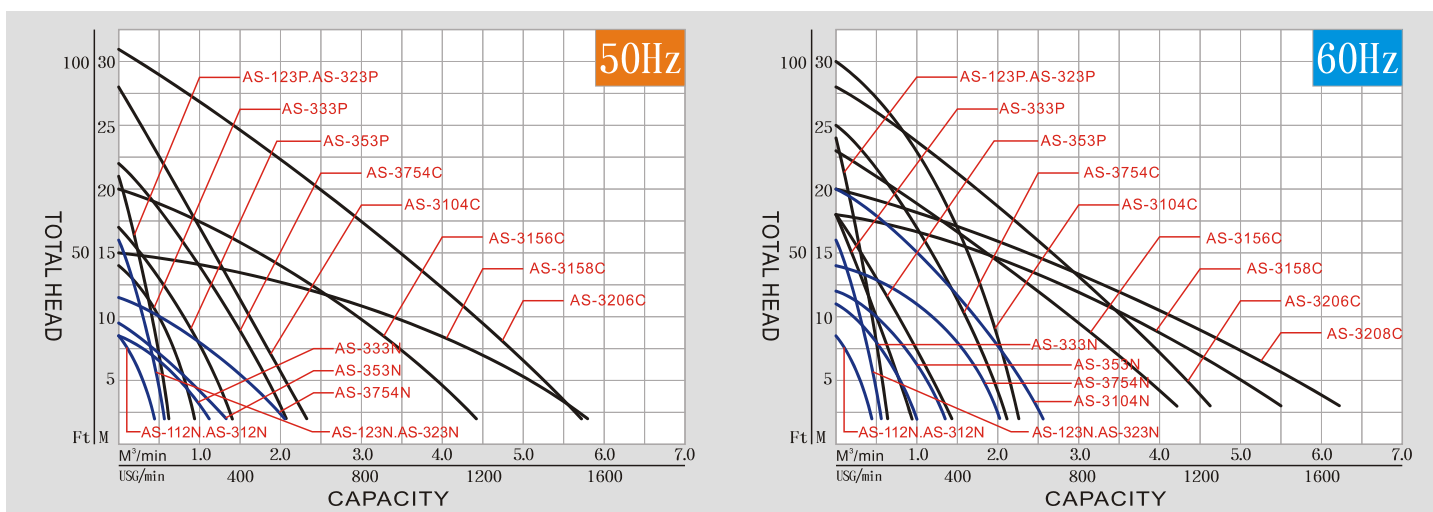
AS-3754
AS-3104



AS-3156
AS-3158
AS-3206
AS-3208



PERFORMANCE CURVE



SPECIFICATION

Model	Type	Frequency	Phase	Start Method	Power	Caliber	Pole/Rotation	Std.Head	Std.Flow	Max.Head	Max.Flow	AS Weight	TOS-AS Weight	Solid Passage	
Impeller	TYPE	Hz	PH		HP KW	Inch mm	P/rpm	M	M³/min	M	M³/min	KG	KG	mm	
Semi-open Impeller	TOS-AS-123P	50	60	1Ø	Direct	2 1.5	3" 80	2P / 2850 / 3450	7 M 8 M	0.5 0.5	21M 24M	0.65 0.78	40 60	32	
	TOS-AS-323P	50	60	3Ø	Direct	2 1.5	3" 80	2P / 2850 / 3450	7 M 8 M	0.5 0.5	21M 24M	0.65 0.78	38 58	32	
	TOS-AS-333P	50	60	3Ø	Direct	3 2.2	3" 80	4P / 1425 / 1725	10M 10M	0.5 0.5	14M 18M	1.00 1.21	72 92	50	
	TOS-AS-353P	50	60	3Ø	Direct	5 3.7	3" 80	4P / 1425 / 1725	13M 13M	0.5 0.5	17M 18M	1.50 1.58	76 96	70	
Channel Impeller	TOS-AS-3754C	50	60	3Ø	Direct	7½ 5.5	4" 100	4P / 1425 / 1725	14M 17M	1.0 1.0	22M 25M	2.20 2.23	145 165	48	
	TOS-AS-3104C	50	60	3Ø	Direct	10 7.5	4" 100	4P / 1425 / 1725	17M 23M	1.0 1.0	28M 30M	2.50 2.32	150 170	48	
	TOS-AS-3156C	50	60	3Ø	Y-Δ	15 11	6" 150	4P / 1425 / 1725	12M 12M	2.5 2.5	20M 23M	4.70 4.70	265 340	70	
	TOS-AS-3158C	50	60	3Ø	Y-Δ	15 11	8" 200	4P / 1425 / 1725	7 M 7 M	4.5 4.5	15M 18M	6.17 6.17	270 360	80	
	TOS-AS-3206C	50	60	3Ø	Y-Δ	20 15	6" 150	4P / 1425 / 1725	20M 16M	2.5 2.5	31M 28M	6.00 5.00	280 355	70	
TOS-AS-3208C		60	3Ø	Y-Δ	20 15	8" 200	4P / --- / 1725		9 M		4.5	20M	6.95	285 375	80
Non-clog Impeller	TOS-AS-112N	50	60	1Ø	Direct	1 0.75	2" 50	4P / 1425 / 1725	5 M 5 M	0.3 0.3	8.5M 8.5M	0.50 0.50	34 44	50	
	TOS-AS-312N	50	60	2Ø	Direct	1 0.75	2" 50	4P / 1425 / 1725	5 M 5 M	0.3 0.3	8.5M 8.5M	0.50 0.50	32 42	50	
	TOS-AS-123N	50	60	1Ø	Direct	2 1.5	3" 80	2P / 2850 / 3450	10M 10M	0.3 0.3	16M 16M	0.60 0.60	40 60	45	
	TOS-AS-323N	50	60	3Ø	Direct	2 1.5	3" 80	2P / 2850 / 3450	10M 10M	0.3 0.3	16M 16M	0.60 0.60	38 58	45	
	TOS-AS-333N	50	60	3Ø	Direct	3 2.2	3" 80	4P / 1425 / 1725	6 M 8 M	0.6 0.5	8.5M 11M	1.30 1.18	71 91	57	
	TOS-AS-353N	50	60	3Ø	Direct	5 3.7	3" 80	4P / 1425 / 1725	6 M 10M	0.7 0.5	9.5M 12M	1.60 1.45	75 95	42	
	TOS-AS-3754N	50	60	3Ø	Direct	7½ 5.5	4" 100	4P / 1425 / 1725	8 M 11M	1.0 1.0	11.5M 14M	2.30 2.12	143 163	65	
TOS-AS-3104N		60	3Ø	Direct	10 7.5	4" 100	4P / --- / 1725		15M		1.0	20M	2.68	148 168	60

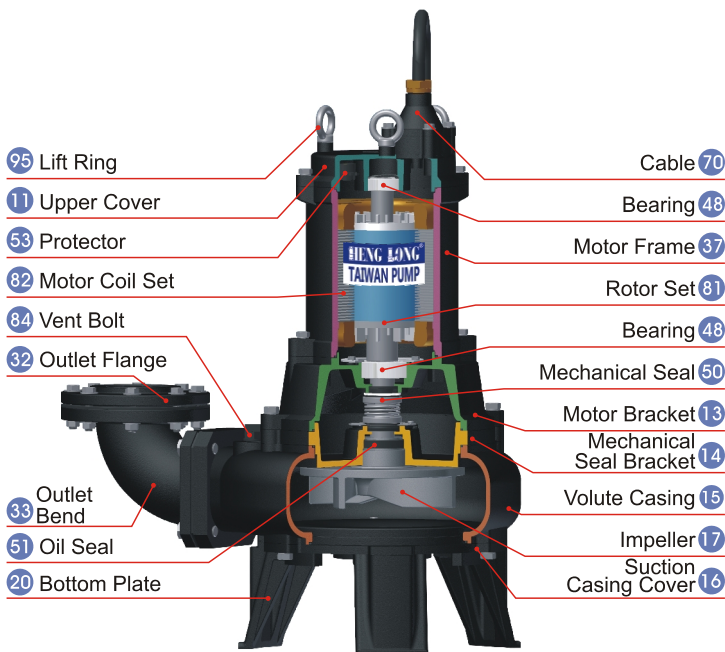


Apparatus Use Sewage Submersible Pump

APPLICATION

1. Building wastewater treatment system, sewage treatment plant, community market, sanitary sewer.
2. Drainage wastewater from paper industry, dyeing industry, food-stuff industry, leather industry and iron and steel industry.
3. Fishery, animal husbandry, dairy farm, piggery, fecal sewage tank and industry water supply.
4. Other sewage or sump treatment system.

STRUCTURAL DRAWING



MATERIAL AND STANDARD TABLE

Caliber		50 · 80 · 100 · 150 · 200(mm)		
Coating		Epoxy		
Liquid	Temperature	0°C~40°C (32°F~104°F)		
	Application	Drainage of wastewater of building, farming, animal husbandry, Industry and sewer.		
	The lowest depth	▽30 M		
Pump	Structure	Impeller	Semi-open · Channel · Vortex Impeller	
		Seal	Dual Mechanical Seal	
	Material	Upper Cover	FC-200	
		Bearing	Heavy-duty bearing	
		Impeller	FCD-450	
		Volute Casing	FC-200	
		Suction Casing Cover	FC-200	
		Bottom Plate	FC-200	
		Seal	Lubricant	ISO VG. # 32
			Motor Side	Carbon / Ceramic
Pump Side	Silicon Carbide / Silicon Carbide			
Inner Protector	Below 15HP models are optional			
Motor	Type	Submersible dry type		
	Insulation class	F class (155°C)		
	Inner protector	1-10HP: Auto Reset Motor Protector		
		15-20HP: Miniature Thermal Protector		
	Material	Casing	FC-200	
		Main Shaft	SUS-410 / SUS420	
Cable		Standard VCT / Optional		

*Spare parts and material of pump could be made by request.