



AS SUBMERSIBLE DEWATERING PUMPS

■ FEATURE

- Designed for civil engineering applications; its easy portability, double outer casing and water cooling motor make it possible to run the pump in low water levels.
- Epoxy Resin Cable with IP68 standard for waterproof structure, automatic rest motor protector, and double mechanical seal made of silicon carbide. Durable and leakproof.
- Multi-impeller design with High Chrome Alloy steel (HiCrFC) impeller, wear plate and wear rings with a hardness of 55 - 60 Rockwell. It is the hardest and toughest impeller among the construction pump and against abrasion. The impeller meets the requirements from low to high head, as well as small to big capacity.
- AS 1.5~7.5kW, equipped with a flange discharge connection. The outer cover is built with high strength stainless steel.

■ OUTLET OPTIONAL



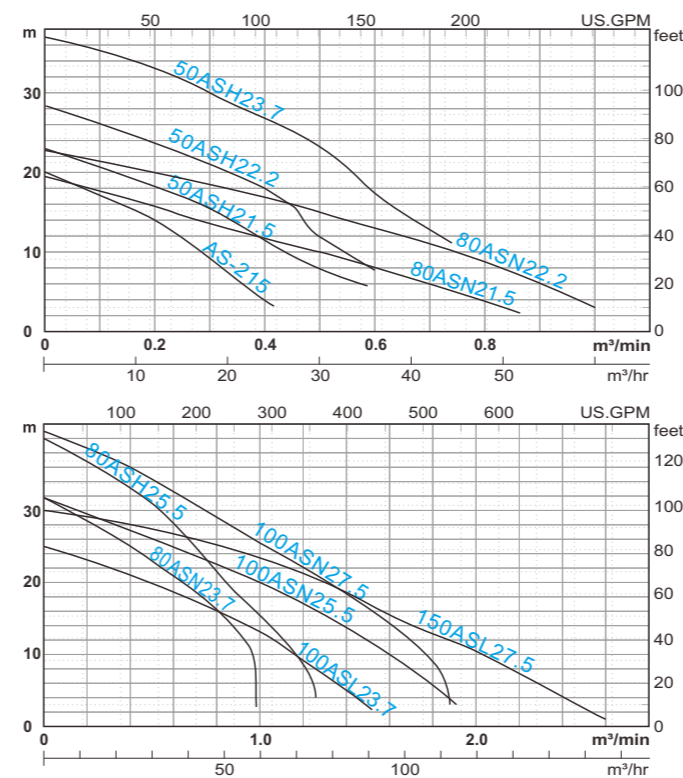
■ APPLICATIONS

- Civil engineering, dewatering of tunneling and ground works, and for use in storm water sewers.
- Dewatering of fluids containing solid sediments.
- Ease of mobility for use by contractors, installers and service industries.

■ PRODUCT NOMENCLATURE

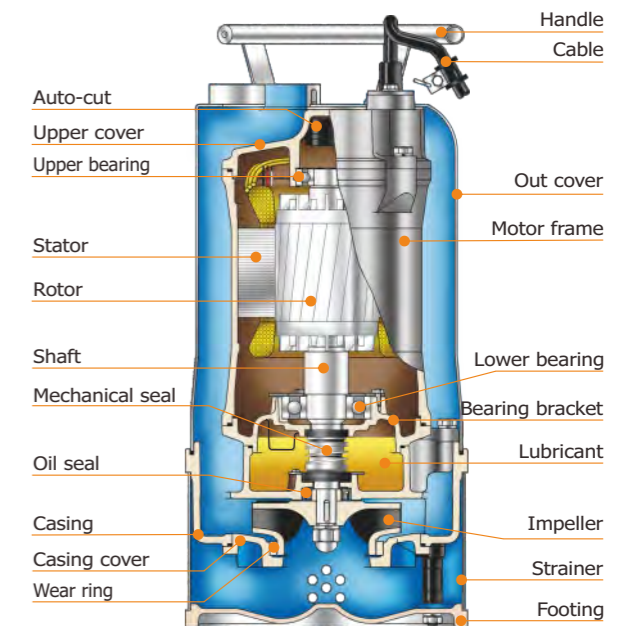
AS	2	15		
Type	Discharge inch	1 1/2 HP		
100	AS	N	2	5.5
Discharge mm	Type	Impeller type (H/N/L)	Pole	kW

■ PERFORMANCE CURVES



■ SPECIFICATIONS

Discharge (mm)		50 • 80 • 100 • 150
Limits Of Use	Liquid Temp.	0~40°C (32~104°F)
	Applications	Construction sites Basins dewatering
	Submersion Depth	30m (100feet)
Type	Frequency	60Hz
	Motor	2P (3600RPM) • Dry Motor
	Insulation	Class B(1.5~3HP) • Class F(5~10HP)
	Protection	IP68
	Protector	Auto-cut
	Bearing	Ball Type
Material	M.seal	Double M.seals
	Impeller	Semi-open(H) • Enclosed-channel(N/L)
	Outer Cover	SUS304
	Upper Cover	FC-200
	Motor Frame	SUS 304(1.5HP) • FC-200 (2~10HP)
	Shaft End	SUS403(1.5~3HP) • SUS304(5~10HP)
	M.seal	Upper: Carbon/Ceramic • Lower: Silicon/Silicon
	Casing	FC-200
Impeller	HiCrFC	
Wear Ring/Plate	HiCrFC	
Cable	VCT or H07RN-F or SJOW/SOW	
Optional	Pumps can be customized to fit specifications	



■ 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 1Ø	B 3Ø	C 1Ø	C 3Ø
AS-215	1 1/2 (1.1)	2" (50)	1/3	Capacitor Direct	13.5 - 0.2	45 - 52	7.5 (1/4")	28 (62)	24 (53)	210	482	423	370	429
50ASH21.5	2 (1.5)	2" (50)	1/3	Capacitor Direct	16.5 - 0.25	55 - 66	10 (1/2")	40 (88)	36 (79)	235	511	466	448	403
50ASH22.2	3 (2.2)	2" (50)	1/3	Capacitor Direct	20.5 - 0.3	68 - 60	10 (1/2")	44 (99)	39 (86)	235	541	466	478	403
50ASH23.7	5 (3.7)	2" (50)	3	Direct	29.5 - 0.3	98 - 80	10 (1/2")	-	44 (97)	235	-	496	-	433
80ASN21.5	2 (1.5)	3" (80)	1/3	Capacitor Direct	10 - 0.5	32 - 132	10 (1/2")	40 (88)	36 (79)	235	511	466	448	403
80ASN22.2	3 (2.2)	3" (80)	1/3	Capacitor Direct	15 - 0.5	50 - 132	10 (1/2")	44 (97)	39 (86)	235	541	466	478	403
80ASN23.7	5 (3.7)	3" (80)	3	Direct	22.5 - 0.5	75 - 132	10 (1/2")	-	44 (97)	235	-	496	-	433
80ASH25.5	7 1/2 (5.5)	3" (80)	3	Direct	30 - 0.5	100 - 132	10 (1/2")	-	69 (152)	286	-	610	-	550
100ASL23.7	5 (3.7)	4" (100)	3	Direct	13 - 1.0	42 - 265	10 (1/2")	-	44 (97)	235	-	511	-	448
100ASN25.5	7 1/2 (5.5)	4" (100)	3	Direct	20 - 1.0	65 - 265	10 (1/2")	-	71 (157)	286	-	610	-	550
100ASN27.5	10 (7.5)	4" (100)	3	Direct	26 - 1.0	85 - 265	10 (1/2")	-	79 (174)	286	-	610	-	550
150ASL27.5	10 (7.5)	6" (150)	3	Direct	17 - 1.5	55 - 396	10 (1/2")	-	81 (179)	286	-	610	-	550

Note: Weight Without Cable & Outlet

