



# HCP PUMP

We make the reliable pumps

## PROFESSIONAL MANUFACTURERS OF SUBMERSIBLE PUMPS

50Hz GENERAL CATALOGUE

ISO 9001 CE DNV GL TÜV



sewage pump, waste water pump, stainless pump, grinder pump, dewatering pump, construction drainage pump,  
large volume pump, axial pump, ejector, deep well pump.

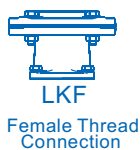
### HCP PUMP MANUFACTURER.,CO.LTD.

# AS SUBMERSIBLE DEWATERING PUMPS



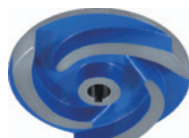
## FEATURE

- Designed for civil engineering applications; its easy portability, double outer casing and water cooling motor make it possible to run the pump to low water level.
- Epoxy Resin Cable with IP68 standard for waterproof structure, automatic rest motor protector, and double mechanical seal made of silicon carbide. Equipped with an AC motor protector, to further obtain the best insulated status. It is a very durable and abrasion resistant pump.
- Multi-impeller design with High Chrome Alloy steel (HiCr) impeller, wear plate and wear rings with a hardness 55~60 Rockwell. Its hardest and toughest impeller, among the construction pump, against abrasion, and meets the requirements from low to high head and small to big capacity.
- AS 1.5~7.5kW, equipped with Flange discharge connection. The outer cover is built with high strength stainless steel.



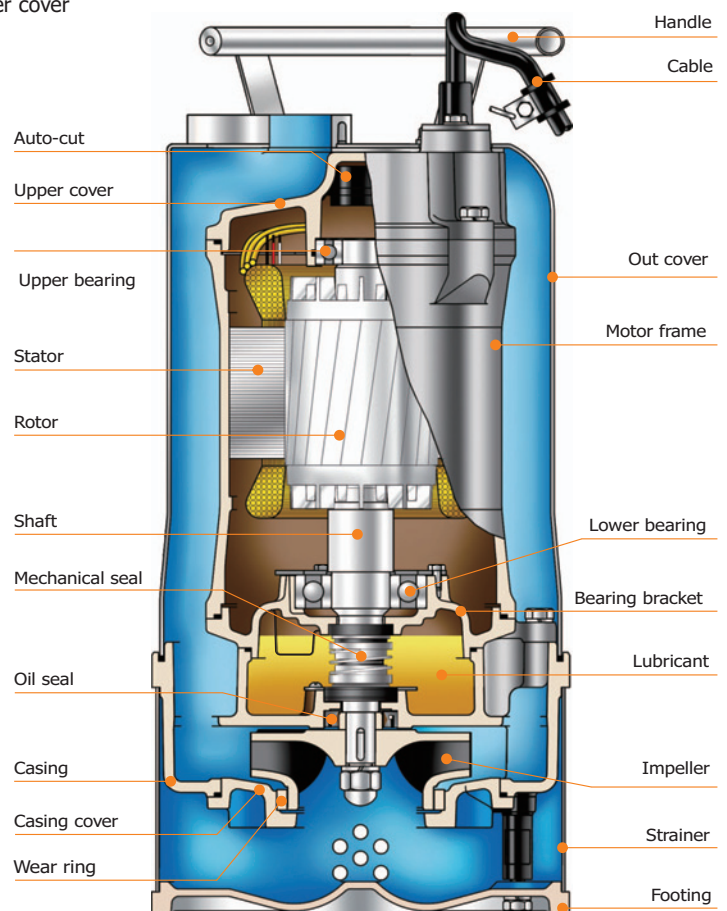
## HiCr impeller

High chrome alloy steel (HiCr) hardness of 55-60 RC. impeller to stand high abrasive applications.



## 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.







AS 1 1/2HP



AS 2~7 1/2HP



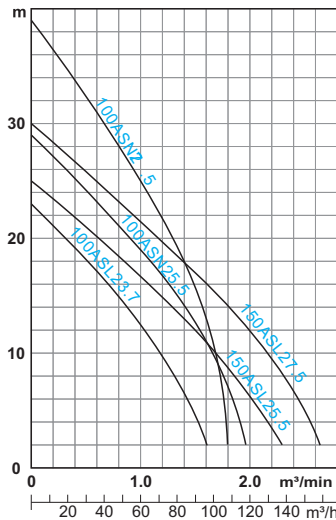
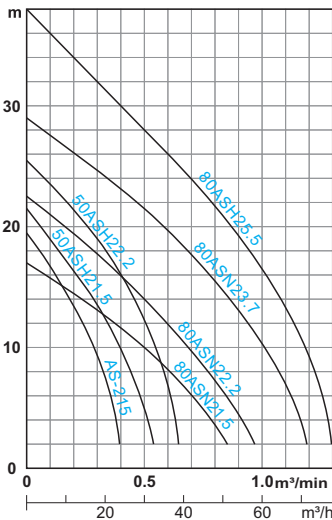
AS 10HP



### ■ PRODUCT NOMENCLATURE

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

### ■ PERFORMANCE CURVES



### ■ PERFORMANCE SPEC.

Model	HP(kW)	Discharge Inch(mm)	Phase Ø	Start Method	Head (m)	Capacity		Solid Passage (mm)	Weight (kg)		Dimension (mm)				
						m³/min	m³/h		1Ø	3Ø	A	B	C	1Ø	3Ø
AS-215	1 1/2 (1.1)	2" (50)	1 3	Capacitor Direct	13.5	0.2	12	7.5	28	24	210	482	423	370	429
50ASH21.5	2 (1.5)	2" (50)	1 3	Capacitor Direct	15	0.25	15	10	40	36	235	511	466	448	403
50ASH22.2	3 (2.2)	2" (50)	1 3	Capacitor Direct	19	0.3	18	10	44	39	235	541	466	478	403
80ASN21.5	2 (1.5)	3" (80)	1 3	Capacitor Direct	10	0.5	30	10	40	36	235	511	466	448	403
80ASN22.2	3 (2.2)	3" (80)	1 3	Capacitor Direct	14	0.5	30	10	45	39	235	541	466	478	403
80ASN23.7	5 (3.7)	3" (80)	3	Direct	21.5	0.5	30	10	44	39	235	511	466	448	403
80ASH25.5	7 1/2 (5.5)	3" (80)	3	Direct	28	0.5	30	10	72	286	610	550			
100ASL23.7	5 (3.7)	4" (100)	3	Direct	12.5	1.0	60	10	44	39	235	511	466	448	403
100ASN25.5	7 1/2 (5.5)	4" (100)	3	Direct	19	1.0	60	10	75	286	610	550			
100ASN27.5	10 (7.5)	4" (100)	3	Direct	25	1.0	60	10	80	286	610	550			
150ASL25.5	7 1/2 (5.5)	6" (150)	3	Direct	12	1.5	90	10	78	286	610	550			
150ASL27.5	10 (7.5)	6" (150)	3	Direct	17	1.5	90	10	81	286	610	550			

Note: Weight Without Cable

### ■ SPECIFICATIONS

Discharge (mm)		<b>50 • 80 • 100 • 150</b>
Limits Of Use	Liquid Temp.	0~40°C (32~104°F)
	Applications	Construction sites • Basins dewatering
	Submersion Depth	30m (100feet)
Type	Frequency	50Hz
	Motor	2P (3000RPM) • Dry Motor
	Insulation	Class B(1.5~3HP)•Class F (5~10HP)
	Protection	IP68
	Protector	Auto-cut
	Bearing	Ball Type
	M.seal	Double M.seals
	Impeller	Semi-open(H) • Enclosed-channel(N/L)
Material	Outer Cover	SUS304
	Upper Cover	FC-200
	Motor Frame	SUS 304(1.5HP)•FC-200 (2~10HP)
	Shaft End	SUS403 (1 1/2~3HP)•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	

