

PROFESSIONAL MANUFACTURERS OF SUBMERSIBLE PUMPS

50Hz GENERAL CATALOGUE

ISO 9001 C E 🖑 🖲 TÜV



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

HCP PUMP MANUFACTURER.,CO.LTD.

AS SUBMERSIBLE DEWATERING PUMPS

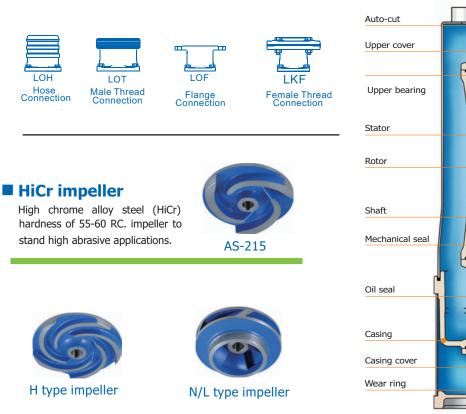


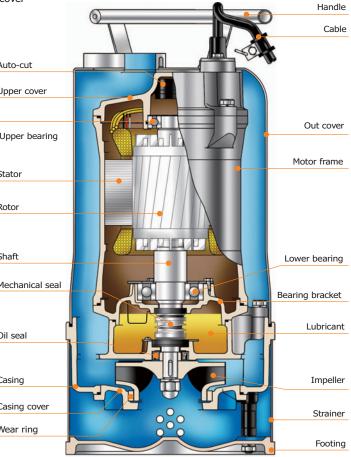
FEATURE

- 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.
- \blacksquare AS 1.5~7.5kW equipped with Flange discharge connection. The outer cover is built with high strength stainless steel.

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.









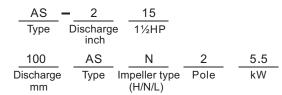


AS 11/2HP

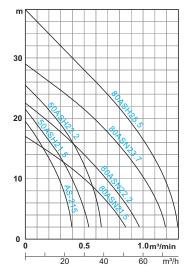
AS 2~7½HP

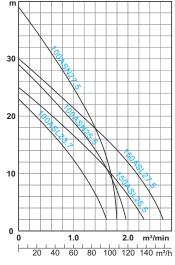
AS 10HP

PRODUCT NOMENCLATURE



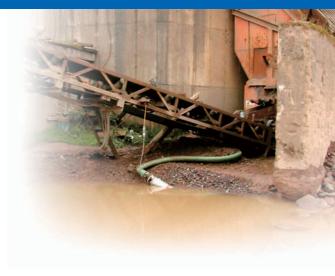
■ PERFORMANCE CURVES





■ PERFORMANCE SPEC.

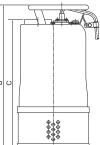
		Discharge	Phase	Start	Head	Capacity		Solid	Weight (kg)		Dimension (mm)					
Model	HP(kW)	Inch(mm)	Ø	Method	(m)	m³/min	m³/h	Passage (mm)	1Ø	3Ø	Α	В	С	1Ø) 3Ø	
AS-215	1½(1.1)	2" (50)	1	Capacitor Direct	13.5	0.2	12	7.5	28	24	210	482	423	370	429	
50ASH21.5	2 (1.5)	2" (50)	1	Capacitor Direct	15	0.25	15	10	40	36	235	511	466	448	403] .
50ASH22.2	3 (2.2)	2" (50)	1	Capacitor Direct	19	0.3	18	10	44	39	235	541	466	478	403	
80ASN21.5	2 (1.5)	3" (80)	1	Capacitor Direct	10	0.5	30	10	40	36	235	511	466	448	403	
80ASN22.2	3 (2.2)	3" (80)	1	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	235	$\overline{\}$	496	\square	433	
80ASH25.5	7½ (5.5)	3" (80)	3	Direct	28	0.5	30	10	\square	72	286	$\overline{\ }$	610	\square	550	
100ASL23.7	5 (3.7)	4" (100)	3	Direct	12.5	1.0	60	10	\square	44	235	$\overline{\ }$	511	\square	448	
100ASN25.5	7½ (5.5)	4" (100)	3	Direct	19	1.0	60	10	\square	75	286	$\overline{\ }$	610	\square	550	_ _
100ASN27.5	10 (7.5)	4" (100)	3	Direct	25	1.0	60	10	\square	80	286	$\overline{\ }$	610	\square	550	
150ASL25.5	7½ (5.5)	6" (150)	3	Direct	12	1.5	90	10		78	286	$\overline{\ }$	610	\square	550	
150ASL27.5	10 (7.5)	6" (150)	3	Direct	17	1.5	90	10	\square	81	286	$\overline{\ }$	610	\square	550	



■ 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)			
	Frequency	50Hz			
	Motor	2P (3000RPM) • Dry Motor			
	Insulation	Class B(1.5~3HP)•Class F (5~10HP)			
Type	Protection	IP68			
Tyl	Protector	Auto-cut			
	Bearing	Ball Type			
	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 (2~10HF			
a	Shaft End	SUS403 (11/2~3HP)•SUS304(5~10HF			
Materia	M.seal	Upper: Carbon/Ceramic • Lower: Silicon/Silico			
W	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			





Note: Weight Without Cable

OTHER SERIES



AF Type Heavy Duty Sewage Pumps 30HP(22kW)~60HP(45kW)

Performance: Max. Head: 42m

Max. Capacity: 30m³/min Features: Complete cast iron, high efficiency motor and large solid handling design for high performance and durability.

Applications : General large-scale sewage and wastewater pumping and drainage for usage at reservoirs, power plants, sewage water treatment plants or industrial waste plants.



Jet Pumps

Fax

: (021) 6497778-9 E-mail : sales@alvadiwipa.com Home : www.alvapompa.com

Performance: Max. Operating Depth: 6m

Max Air Volume: 105m³/hr Features: A strong jet flow of mixed air and water Water is supplied with air through a suction pipe that mixes the water as it enters an expansion pipe. Air is introduced as tiny bubbles in the jet stream, oxygenating and aerating the water Applications: Oxygen aeration of wastewater for

wastewater treatment. Oxygenated water for aqua-culture such as fish farming or hydroponics applications.

Unit of measurements:

	HP	1 HP=0.746kW	1 kW =1.34 HP					
	Length	1m=100cm	1cm=10mm					
-		1inch=2.54cm	1ft=0.3048m					
		1m³/min=1000 l/min						
		1gal/min=3.785 l/min(USA)						
	Capacity	CMD= m³/day CMH= m³/hr						
		CMM= m³/min CMS= m³/sec						
		LPM=I/mim	GPM= gal/min					
ľ		Discharge	Suggesting capacity					
		1"(25mm)	0.04 m³/min					
		11/4"(32 mm)	0.06 m³/min					
		11/2"(40mm)	0.1 m³/min					
		2"(50mm)	0.2 m³/min					
	Disc.diameter	21/2"(65mm)	0.4 m³/min					
		3"(80mm)	0.5 m³/min					
		4"(100mm)	1.0 m³/min					
		5"(125mm)	1.5 m³/min					
		6"(150mm)	2.0 m³/min					
		8"(200mm)	4.0 m ³ /min					
		10"(250mm)	6.0 m³/min					
		12"(300mm)	10.0 m³/min					
		E class120°C	B class130℃					
	Insulation class	F class155°C	H class180°C					

HCP PUMP MANUFACTURER CO., LTD. PT. **ALVA** DIWIPA ANUGERAH •Komplek Ruko Glodok Plaza Blok F 116 JI. Pinangsia Raya. Jakarta 11180 Phone : (021) 6289558 (Hunting)



LA Type Axial Pumps 50HP(37kW)~100HP(75kW) Performance: Max. Head: 6m Max. Capacity: 120m³/min

Features: High efficiency and energy saving direct drive motor design, offers the highest flow rate for all large scale water pumping applications.

Applications: All types of large volume water applications including: Large volume water pumping required for industrial water supply or drainage. Water supply for power plants and agricultural irrigation. Drainage of flood water or flood control stations



Submersible Pump Guide Rail Systems

Features: HCP Pump Guide Rail Systems allow for quick and convenient pump systems installation, removal, replacement and maintenance without the hassle of manually handling the pumps.

Applications: Sewage and wastewater pumping, and drainage where pumps must be regularly maintained and service, such as: wastewater treatment plant and sewage plant.



Float Switch Pumps

Features: Optional wide angle on/off level control float switch for easy and simple automatic operation. Model: 100W~2.2kW single-phase 0.4~2.2Kw 3-phase

Protector & Sensor

Auto-cut Protector

The Auto-cut protector is an automatic cut-off switch, installed inside the motor. The switch automatically cuts off power to the motor, in the event of a power surge or overheating. The switch automatically restarts the motor once the temperature drops to about 60~70°C.



The overheat protector is an automatic cut-off switch built into the single-phase motor, to monitor the temperature of the inner motor. The switch automatically cuts off power if the motor temperature exceeds the maximum allowable operating temperature (insulator class max. temperature). The switch automatically restarts the motor once the temperature drops to about 60~70°C.

MTS is embedded in every phase of the motor winding, and transmits a signal to the control panel. Control can be setup to cut off power when MT is activated, and restart when MT is deactivated.

Moisture sensor is used to detect moisture leakage through the mechanical seals. This occurs when the seal has been worn down or damaged; if moisture is found, the sensor will then trigger and transmit a signal to control panel. The control panel will then set off a warming signal and/or power off, to protect pump motor If this occurs,

Miniature Thermal Sensor (MTS)

schedule pump maintenance to replace mechanical seal.

MOISTURE SENSOR (MS)









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