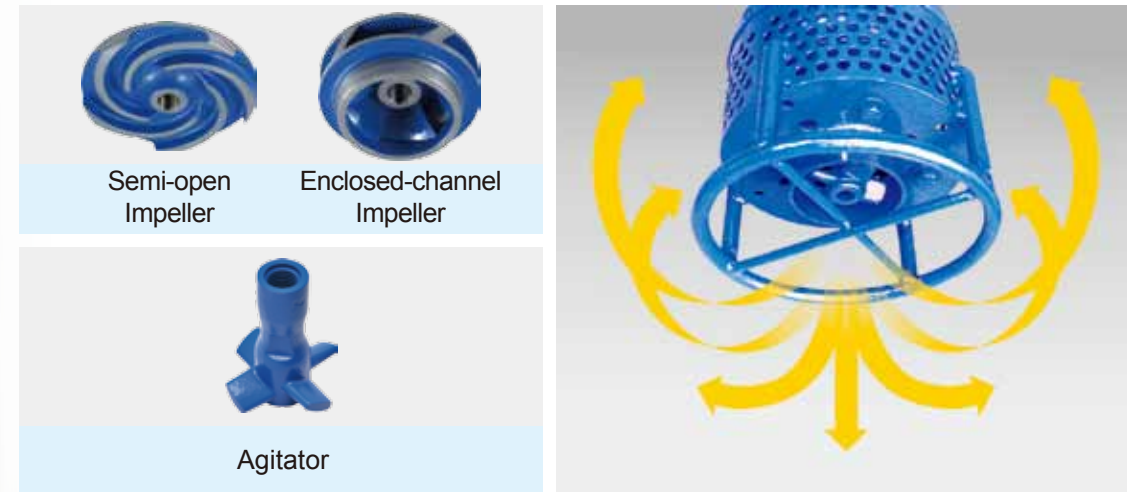


HDG(AG)



FEATURES

- Designed for construction and civil engineering applications: its easy portability, double outer casing and water cooling motor make it possible to run the pump in low water levels.
- The pumps are durable and leakproof structure with automatic resetting motor protection and double mechanical seals made of silicon carbide.
- The internal casting is coated with High Solid Epoxy coating to prolongs metals from corrosion and oxidation.
- Harden and abrasion resistant impeller that is made of high chrome alloy (HiCrFC) steel with a hardness of 55~60 Rockwell.
- The pumps are equipped with a ductile cast iron (FCD-700) agitator to create powerful stirring and pumping action for slurry.

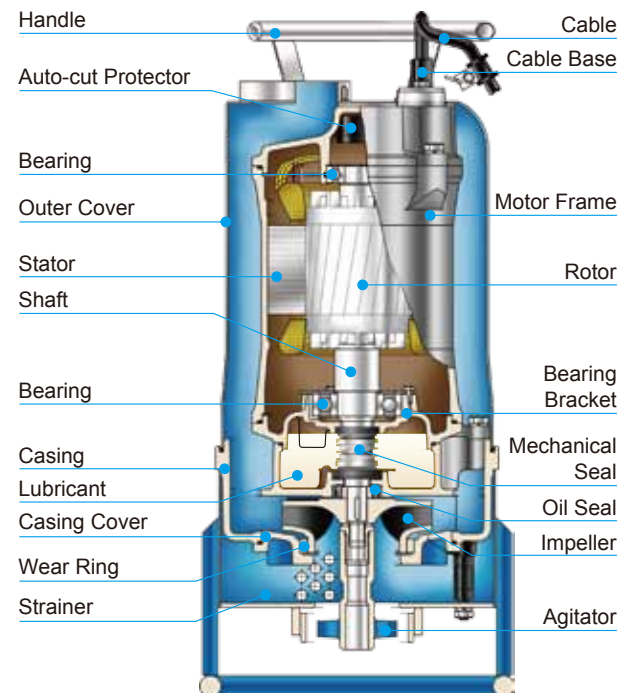


APPLICATIONS

- Civil engineering, dewatering of tunneling, ground works, mining and manhole sewer.
- Industrial dewatering or recycling fluids containing solid sediments for Gravel pit, Sand and Gravel plant.
- Mobile use for contractors, installers and industries.

PRODUCT NOMENCLATURE

80	HDG	2	1.5
Discharge mm	Type	Pole	kW



OPTIONAL OUTLET SET

Output HP(kW)	Discharge inch(mm)	Lower PCD*Holes	LOH Hose Connection	LOT Male Thread Connection	LOF Flange Connection	LKF Double Flange Set	LOC(A) Center Line Flange
2(1.5) 5(3.7)	2"(50)	98*4	LOH2-98	LOT2-98	LOF2-120-125*98	LKF2-120*98	-
	3"(80)	98*4	LOH3-98	LOT3-98	LOF3-150-160*98	LKF3-150*98	LOC3-150*98
	4"(100)	98*4	LOH4-98	LOT4-98	LOF4-175-190*98	LKF4-175*98	-
7.5(5.5) 10(7.5)	3"(80)	127*4	LOH3-127	LOT3-127	LOF3-150-160*127	LKF3-150*127	LOC3-150*127
	4"(100)	127*4	LOH4-127	LOT4-127	LOF4-175-190*127	LKF4-175*127	-
	6"(150)	127*4	LOH6-127	LOT6-127	LOF6-240*127	LKF6-240*127	-
15(11) 20(15)	4"(100)	145*4	LOH4-145	LOT4-145	-	-	LOC4-175*145
	6"(150)	145*4	LOH6-145	LOT6-145	-	-	LOC6-240*145

PRODUCT NOMENCLATURE

LOH 4 - 98
Type Discharge PCD

LOF 4 - 175 - 190 * 98
Type Discharge PCD PCD
(upper flange)(lower flange)

PRODUCT FEATURES

Epoxy Cable Base
An epoxy resin seal cable base prevents moisture from entering the motor through the core wires.

Double Mechanical Seal
Superior abrasion resistant mechanical seal manufactured with silicon carbide to ensure the best seal effect.

Auto-cut Protector
Automatic On/Off motor protector to prevent motor burn out due to high temperature and excess amperage draw.

High Efficiency Dry Motor
All stator coils need to be treated with insulating varnish procedure to achieving the best insulation, efficiency and durability.

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DHDEN5-1807



Dewatering Pumps

HD(As)/HDG(AG) 50Hz SERIES



HD(AS) HD(AS) 1.5HP HD(AS) 2~5HP HD(AS) 7.5~10HP HD 15~20HP

FEATURES

- Designed for construction and civil engineering applications: its easy portability, double outer casing and water cooling motor make it possible to run the pump in low water levels.
- The pumps are durable and leakproof structure with automatic resetting motor protection and double mechanical seals made of silicon carbide.
- The internal casting is coated with High Solid Epoxy coating to prolongs metals from corrosion and oxidization.
- 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 pumps are durable with Epoxy Resin Cable, IP68 waterproof structure, automatic resetting and double mechanical seal made of silicon carbide.



Semi-open Impeller

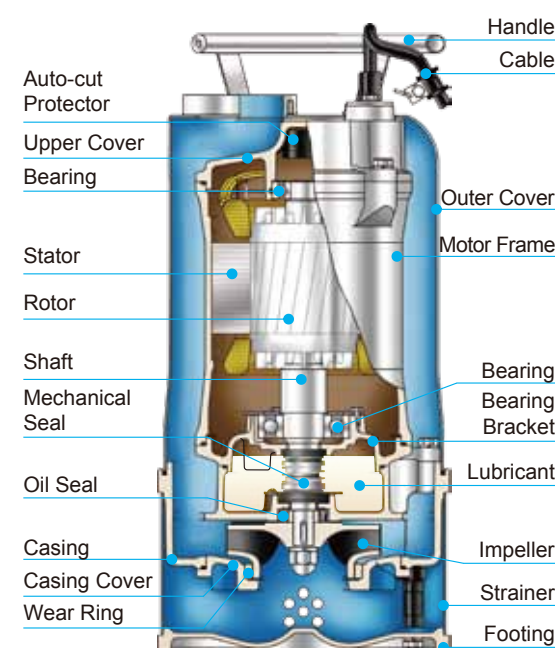
Enclosed-channel Impeller

APPLICATIONS

- Civil engineering, dewatering, tunneling, ground works, mining and manhole sewer.
- Industrial wastewater dewatering or recycling fluids containing solid sediments for Gravel pit, Sand and Gravel plant.
- Mobile use for contractors, installers and industries.

PRODUCT NOMENCLATURE

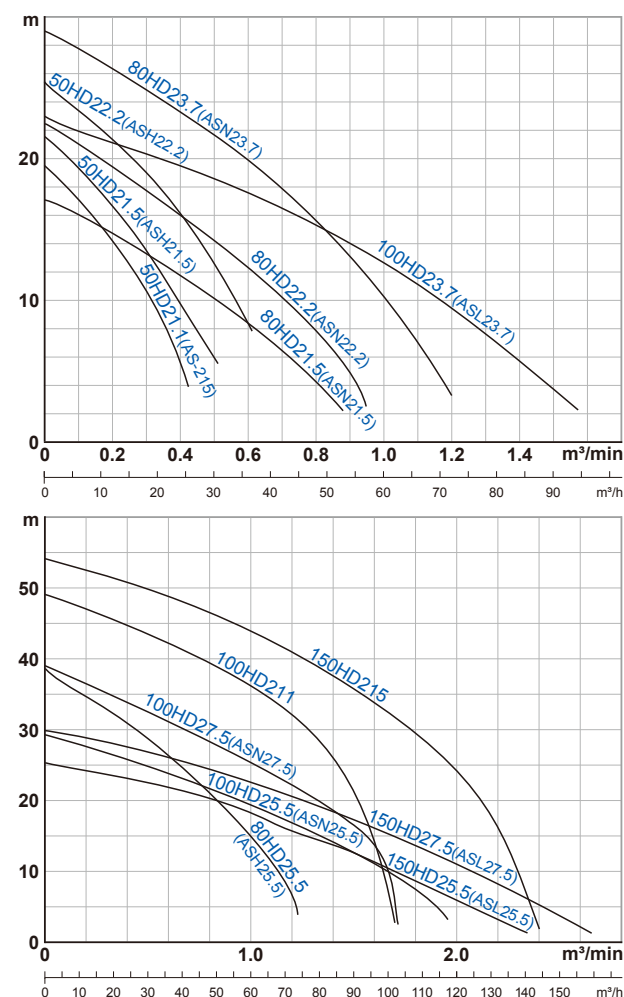
100	HD	2	5.5
Discharge mm	Type	Pole	kW



HD(AS) SUBMERSIBLE DEWATERING PUMPS



PERFORMANCE CURVES



PERFORMANCE SPECS.

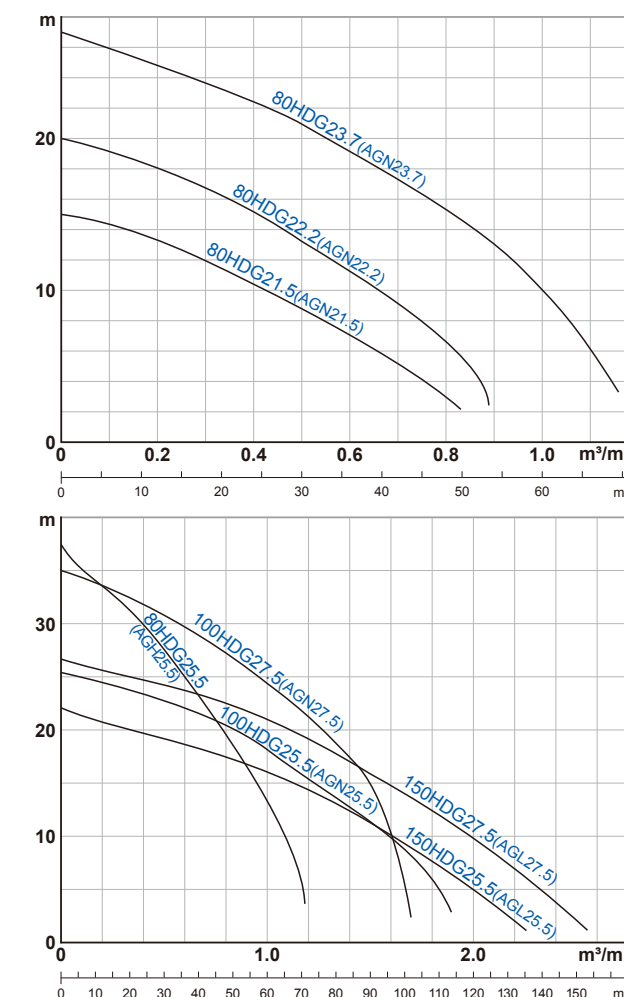
Note: Weight Without Cable & Outlet.

Model	Output HP(kW)	Discharge Inch(mm)	Phase	Start Method	Head m	Standard		Solid Passage mm	Weight kg		Dimensions mm				
						m³/min	m³/h		1Ø	3Ø	A	B	C	3Ø	
50HD21.1 (AS-215)	1.5(1.1)	2"(50)	1	Capacitor Direct	13.5	0.2	12	7.5(1/4")	28	24	210	482	423	431	372
50HD21.5 (ASH21.5)	2(1.5)	2"(50)	3	Direct	15	0.25	15	10(3/8")	40	36	235	511	466	465	421
50HD22.2 (ASH22.2)	3(2.2)	2"(50)	3	Direct	19	0.3	18	10(3/8")	44	39	235	541	466	496	421
80HD21.5 (ASN21.5)	2(1.5)	3"(80)	1	Capacitor Direct	10	0.5	30	10(3/8")	40	36	235	511	466	465	421
80HD22.2 (ASN22.2)	3(2.2)	3"(80)	3	Direct	14	0.5	30	10(3/8")	45	39	235	541	466	496	421
80HD23.7 (ASN23.7)	5(3.7)	3"(80)	3	Direct	21.5	0.5	30	10(3/8")	-	44	235	-	496	-	451
100HD23.7 (ASL23.7)	5(3.7)	4"(100)	3	Direct	12.5	1.0	60	10(3/8")	-	44	235	-	511	-	465
80HD25.5 (ASH25.5)	7.5(5.5)	3"(80)	3	Direct	28	0.5	30	10(3/8")	-	72	286	-	610	-	550
100HD25.5 (ASN25.5)	7.5(5.5)	4"(100)	3	Direct	19	1.0	60	10(3/8")	-	75	286	-	610	-	550
150HD25.5 (ASL25.5)	7.5(5.5)	6"(150)	3	Direct	12	1.5	90	10(3/8")	-	78	286	-	610	-	550
100HD27.5 (ASL27.5)	10(7.5)	4"(100)	3	Direct	25	1.0	60	10(3/8")	-	80	286	-	610	-	550
150HD27.5 (ASL27.5)	10(7.5)	6"(150)	3	Direct	17	1.5	90	10(3/8")	-	81	286	-	610	-	550
100HD211	15(11)	4"(100)	3	Direct	35	1.0	60	10(3/8")	-	123	330	-	700	-	642
150HD215	20(15)	6"(150)	3	Direct	35	1.5	90	10(3/8")	-	133	330	-	700	-	642

HDG(AG) SUBMERSIBLE SLURRY DEWATERING PUMPS



PERFORMANCE CURVES



PERFORMANCE SPECS.

Note: Weight Without Cable & Outlet.

Model	Output HP(kW)	Discharge Inch(mm)	Phase	Start Method	Head m	Standard		Solid Passage mm	Weight kg		Dimensions mm				
						m³/min	m³/h		1Ø	3Ø	A	B	C	3Ø	
80HDG21.5 (AGN21.5)	2(1.5)	3"(80)	1	Capacitor Direct	9	0.5	30	10(3/8")	41	36	260	592	547	546	502
80HDG22.2 (AGN22.2)	3(2.2)	3"(80)	3	Direct	13	0.5	30	10(3/8")	45	40	260	622	547	577	502
80HDG23.7 (AGN23.7)	5(3.7)	3"(80)	3	Direct	21	0.5	30	10(3/8")	-	45	260	-	577	-	532
80HDG25.5 (AGH25.5)	7.5(5.5)	3"(80)	3	Direct	27	0.5	30	10(3/8")	-	73	318	-	683	-	623
100HDG25.5 (AGN25.5)	7.5(5.5)	4"(100)	3	Direct	18	1.0	60	10(3/8")	-	76	318	-	683	-	623
150HDG25.5 (AGL25.5)	7.5(5.5)	6"(150)	3	Direct	11	1.5	90	10(3/8")	-	79	318	-	683	-	623
100HDG27.5 (AGN27.5)	10(7.5)	4"(100)	3	Direct	24	1.0	60	10(3/8")	-	81	318	-	683	-	623
150HDG27.5 (AGL27.5)	10(7.5)	6"(150)	3	Direct	16	1.5	90	10(3/8")	-	82	318	-	683	-	623