



HD

DEWATERING PUMPS

50Hz

make future flow

HD Series

SUBMERSIBLE DEWATERING PUMPS

- Compact, robust and easy handling for all construction and civil engineering dewatering application conditions.
- Stainless steel (SUS304) outer casing, the self-cooling motor is suitable for continuous duty and low water level conditions.
- Standard accessories include the cable with an epoxy resin sealed water-resistant cable base, Auto-cut motor protector, double mechanical seals, oil seal design, and High Solid Epoxy coating.
- High efficient special impeller design in High Chrome Alloy steel (HiCrFC), with a hardness of 55 - 60 Rockwell, to stand high abrasive applications.
- The pump internal castings are all protected by the high solids epoxy coating, which can prolong the metal life and avoid corrosion and oxidation.
- The mechanical seal bracket is covered by EPDM with anti-abrasive wear for HD 15~20HP models.
- Optional ADTC (Adapter Connection) Casing to connect suction with inline pipe, allowing surface/ inline/deep well pumping.

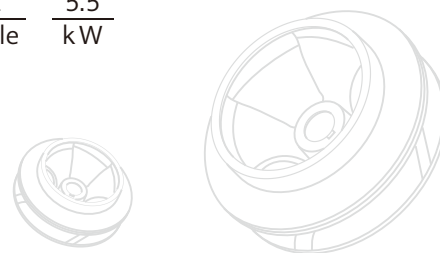


SPECIFICATIONS

Spec.	Description
Liquid Temp.	0~40°C (32~104°F)
Motor	2P (3000rpm) • Dry Motor
Insulation	Class F • Class H
Protection	IP68
Protector	Auto-cut
M.seal Type	Double M.seals
Impeller Type	Open • Close
Item	Material
Outer Cover	SUS304 / X5CrNi18-10
Upper Cover	FC200 / GG-20
Motor Frame	FC200 / GG-20
Shaft	SUS403 / X5Cr13 • SUS304 / X5CrNi18-10 • SUS420J2 / X30Cr13
M.seal	CA/CE & SiC/SiC
Casing	FC200 / GG-20 • FCD500 / GGG-50
Impeller	HiCrFC
Wear plate	HiCrFC (For Open)
Wear ring	HiCrFC (For Close)
Cable	VCT or H07RN-F

PRODUCT NOMENCLATURE

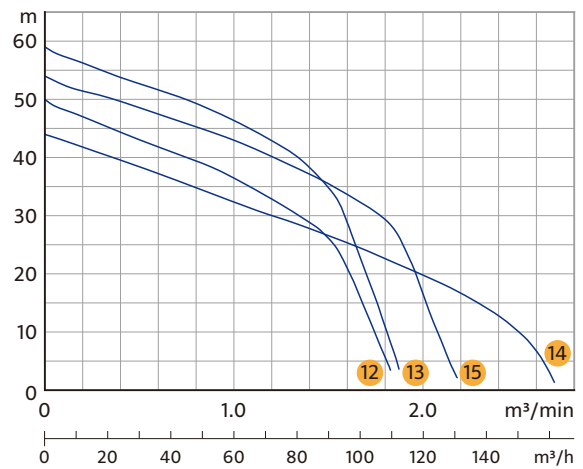
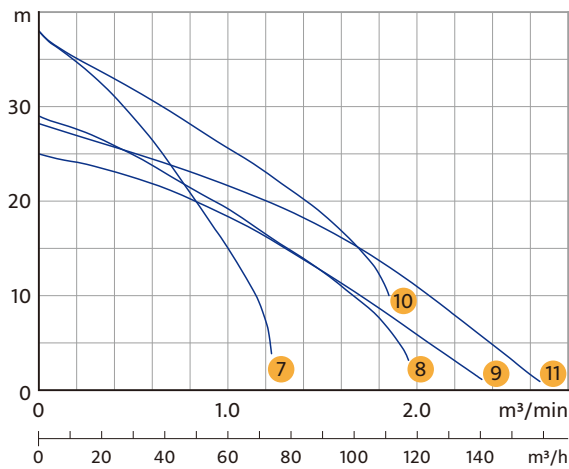
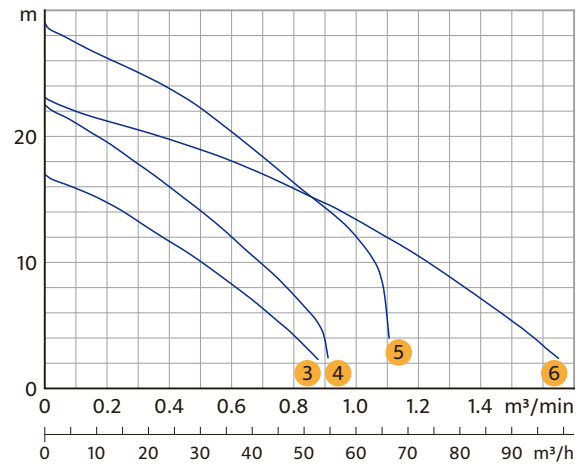
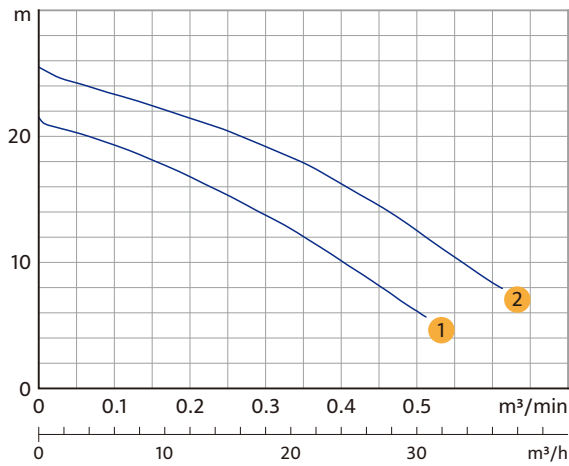
$\frac{100}{\text{Discharge mm}}$
 $\frac{\text{HD}}{\text{Type}}$
 $\frac{2}{\text{Pole}}$
 $\frac{5.5}{\text{kW}}$



APPLICATIONS

- Civil engineering, dewatering, tunneling, groundworks, mining, and manhole sewer
- Industrial wastewater dewatering of fluids containing solid sediments
- Portable use for contractors, installers, and industry

PERFORMANCE CURVES AND SPECS



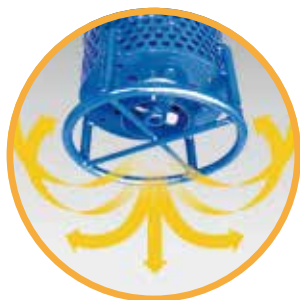
Model	Output HP(kW)	Discharge Inch(mm)	Phase Ø	Start Method	Standard	Max.	Solid Passage mm	Weight kg	
					m-m³/min			1Ø	3Ø
1 50HD21.5	2(1.5)	2" (50)	1	Capacitor	15-0.25	21.5-0.55	10	40	36
			3	DOL					
2 50HD22.2	3(2.2)	2" (50)	1	Capacitor	19-0.3	25.5-0.65	10	44	39
			3	DOL					
3 80HD21.5	2(1.5)	3" (80)	1	Capacitor	10-0.5	17-0.9	10	40	36
			3	DOL					
4 80HD22.2	3(2.2)	3" (80)	1	Capacitor	14-0.5	22.5-1.0	10	44	39
			3	DOL					
5 80HD23.7	5(3.7)	3" (80)	3	DOL	22-0.5	29-1.2	10	-	44
6 100HD23.7	5(3.7)	4" (100)	3	DOL	13-1.0	23-1.65	10	-	44
7 80HD25.5	7.5(5.5)	3" (80)	3	DOL	28-0.5	38-1.3	10	-	72
8 100HD25.5	7.5(5.5)	4" (100)	3	DOL	19-1.0	29-2.0	10	-	75
9 150HD25.5	7.5(5.5)	6" (150)	3	DOL	12-1.5	25-2.4	10	-	78
10 100HD27.5	10(7.5)	4" (100)	3	DOL	25.5-1.0	38-1.85	10	-	80
11 150HD27.5	10(7.5)	6" (150)	3	DOL	17-1.5	28-2.65	10	-	81
12 100HD211	15(11)	4" (100)	3	DOL	36-1.0	50-1.8	10	-	125
13 100HD215	20(15)	4" (100)	3	DOL	46-1.0	59-1.9	10	-	134
14 150HD211	15(11)	6" (150)	3	DOL	26.5-1.5	44-2.7	10	-	124
15 150HD215	20(15)	6" (150)	3	DOL	35-1.5	54-2.4	10	-	133

※ Excludes Cable & Outlet Weight.

HDG Series

SUBMERSIBLE SLURRY DEWATERING PUMPS

- Optimizing HDG series designed with hardened ductile cast iron (FCD-700) agitator, for maximum stirring and pump action for slurry applications.
- Standard accessories include: cable with an epoxy resin sealed water-resistant cable base, Auto-cut motor protector, double mechanical seals, oil seal design, and High Solid Epoxy coating.
- High efficient special impeller design in High Chrome Alloy steel (HiCrFC), with a hardness of 55 - 60 Rockwell, to stand high abrasive applications.



Agitator

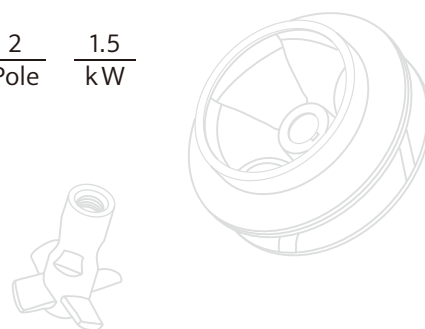


SPECIFICATIONS

Spec.	Description
Liquid Temp.	0~40°C (32~104°F)
Motor	2P (3000rpm) • Dry Motor
Insulation	Class F • Class H
Protection	IP68
Protector	Auto-cut
M.seal Type	Double M.seals
Impeller Type	Open • Close
Item	Material
Outer Cover	SUS304 / X5CrNi18-10
Upper Cover	FC200 / GG-20
Motor Frame	FC200 / GG-20
Shaft	SUS403 / X5Cr13 • SUS304 / X5CrNi18-10
M.seal	CA/CE & SiC/SiC
Casing	FC200 / GG-20
Impeller	HiCrFC
Wear plate	HiCrFC (For Open)
Wear ring	HiCrFC (For Close)
Agitator	FCD700 / GGG-70
Cable	VCT or H07RN-F

PRODUCT NOMENCLATURE

$\frac{80}{\text{Discharge mm}}$
 $\frac{\text{HDG}}{\text{Type}}$
 $\frac{2}{\text{Pole}}$
 $\frac{1.5}{\text{kW}}$

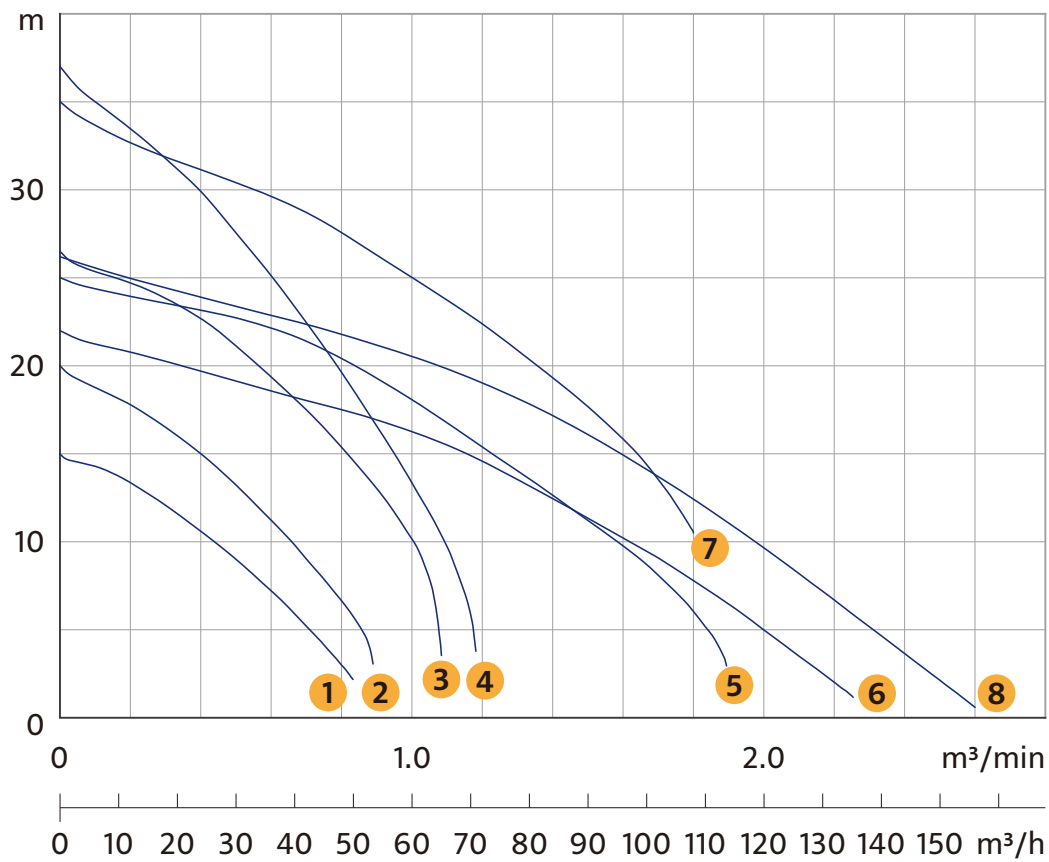


APPLICATIONS

- Civil engineering, dewatering, tunneling, groundworks, mining, and manhole sewer
- Industrial wastewater dewatering of fluids containing solid sediments
- Portable use for contractors, installers, and industry



PERFORMANCE CURVES AND SPECS



Model	Output HP(kW)	Discharge Inch(mm)	Phase Ø	Start Method	Standard	Max.	Solid Passage mm	Weight kg	
					m-m³/min			1Ø	3Ø
① 80HDG21.5	2(1.5)	3" (80)	1	Capacitor	9-0.5	15-0.9	10	41	36
			3	DOL					
② 80HDG22.2	3(2.2)	3" (80)	1	Capacitor	13-0.5	20-0.95	10	45	40
			3	DOL					
③ 80HDG23.7	5(3.7)	3" (80)	3	DOL	21-0.5	26.5-1.2	10	-	45
④ 80HDG25.5	7.5(5.5)	3" (80)	3	DOL	27-0.5	37-1.2	10	-	73
⑤ 100HDG25.5	7.5(5.5)	4" (100)	3	DOL	18-1.0	25-1.9	10	-	76
⑥ 150HDG25.5	7.5(5.5)	6"(150)	3	DOL	11-1.5	22-2.3	10	-	79
⑦ 100HDG27.5	10(7.5)	4" (100)	3	DOL	24.5-1.0	35-1.8	10	-	81
⑧ 150HDG27.5	10(7.5)	6"(150)	3	DOL	16-1.5	26-2.6	10	-	82

※ Excludes Cable & Outlet Weight.

ACCESSORIES: LOC CENTER LINE FLANGE

Pumps require center align could adapt with LOC sets, which can prevent center of gravity (CG) swift under pipe connection, keep dewatering in alignment with pipe arrangement.



LOH
Type

4
Discharge

—

98
PCD

LOF
Type

4
Discharge

—

175 – 190
PCD
(upper flange)

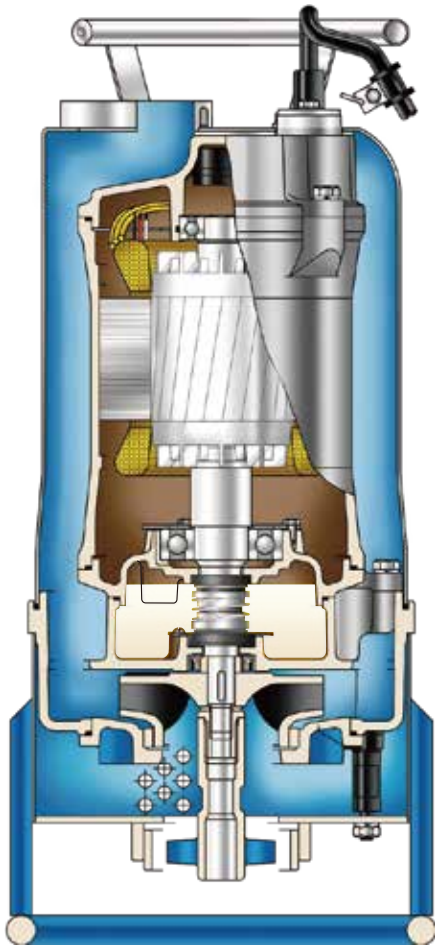
*

98
PCD
(lower flange)

OPTIONAL OUTLET SET

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

Output HP(kW)	Discharge inch(mm)	Lower PCD*Holes	LKF Double Flange Set	LOC Center Line Flange	LEB Elbow Sets (HD)
					
2(1.5)~5(3.7)	2"(50)	98*4	LKF2-120*98	-	LEBX-98
	3"(80)	98*4	LKF3-150*98	LOC3-150*98	LEBX-98
	4"(100)	98*4	LKF4-175*98	-	LEBX-98
7.5(5.5)~10(7.5)	3"(80)	127*4	LKF3-150*127	LOC3-150*127	-
	4"(100)	127*4	LKF4-175*127	-	-
	6"(150)	127*4	LKF6-240*127	-	-
15(11)~20(15)	4"(100)	145*4	-	LOC4-175*145	-
	6"(150)	145*4	-	LOC6-240*145	-



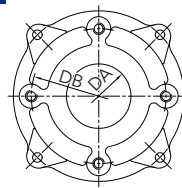
ACCESSORIES : ADAPTER

ADTC (Adapter Connection) Pump model, can be applied with flange type adapter or check valve is an optional accessory for groundwater, deep well or wellpoint dewatering applications.

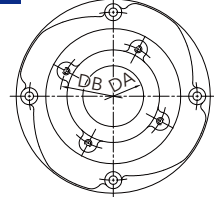


Adapter Connection (ADTC)

a



b

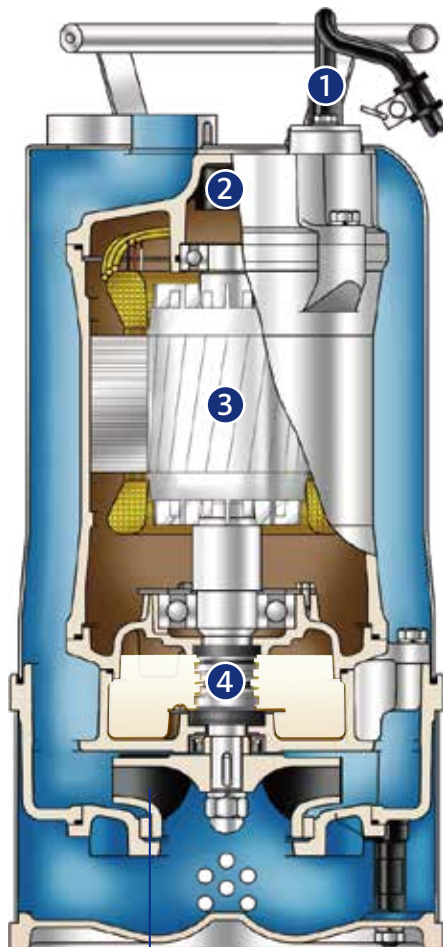


Optional ADTC (adapter Connection) Casing

Figure	Model	mm		Bolt Size	Screw Number
		DA	DB		
a	80HD21.5/22.2/23.7	67	140	M12*25L	4
a	100HD23.7	80	150	M12*25L	4
a	100HD25.5/27.5	87	150	M12*25L	4
a	150HD25.5/27.5	97	175	M12*25L	4
b	100HD211/215	100	175	M12*30L	4
b	150HD211/215	100	175	M12*30L	4



PRODUCT FEATURES



1 Epoxy Cable Base

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



2 Auto-cut Protector

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



3 High Efficiency Dry Motors

All stator coils are treated with insulating varnish procedures to achieve the best insulation, efficiency and durability.



4 Double Mechanical Seals

Superior abrasion resistant mechanical seal is manufactured with silicon carbide to ensure the best seal effect.



Close Impeller



Open Impeller



Professionalism · Innovation · Service · Commitment
HCP PUMP MANUFACTURER CO., LTD.
www.hcppump.com

We reserve the right to alter specifications of product at any time without giving prior notice.
 Copyright © 2025 HCP PUMP MANUFACTURER CO., LTD. All rights reserved.
 DHDEN5-2506



 **YouTube**



**Selection
system**



Catalog