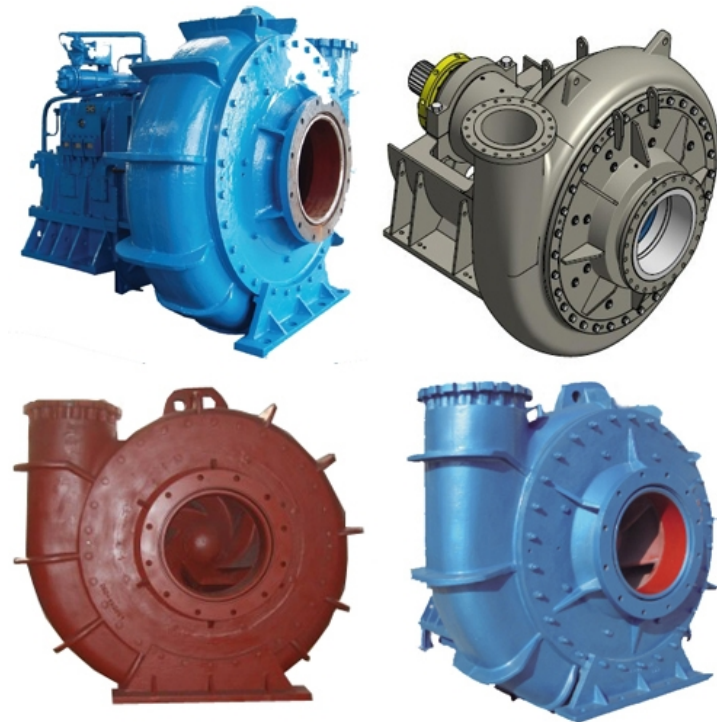


Dredging Pump



Dredging Pump:

Series of dredging pump, which is designed and researched by our company --HISEA is one new type dredging pump, making full use of advanced CAD software, aiming to river, lake and sea situation in China: they haven't been repaired for many years and now they are in great need to dredge and fill hydraulically.

This series of dredging pump has characteristic features: easy installation, long-life service, high efficiency, reliable bearing lining and good economical efficiency. . . This type of pump can meet requirements of dredging ships completely and each set of dredging pump has passed the inspection issued by CCS.

The Features and Performance of Dredging Pump:

The whole construction is suitable for dredging ship.

1. Reliable and simple structure
2. Easy Disassembly and Installation Convenient Maintenance

D dredging pump is adopted front-disassembly structure in favor of disassembly and maintenance. Also it is equipped with special disassembly tools for each different parts according to each parts' characters.

The standard trapezoidal quadruple thread is adopted to connect the impeller and shaft which not only transmits strong torque but also is easy to disassembly. Meanwhile there is a disassembly impeller ring in the shaft sleeve in favor of disassembling impeller.

Dredging Performance is excellent:

1. Good NPSH

D dredging pump has good NPSH which ensures the strong suction ability as well as deeper dredge depth and denser dredged mud.

2. Strong Through-put Capability, Wide Application

The wide running passage of impeller of D dredging pump and the dredging pump's strong passing capability make sure of the good performance of dredger. While it can deliver the particles or high plastic soil lump persistently and clogging won't happen.

3. The Curve of Performance Decreases Sharply

The capability and head curve of D dredging pump decrease sharply, which makes dredging Pump, is easier to adjust to the change of the distance of piping water.

4. It is realized that D dredging Pump Performance Can Be Changed

At the same flow capability, changing the impeller's rotating speed or changing the impeller diameter can change the head of D dredging pump.

Excellent Anti-wear Performance, Long Service of Wet Parts:

Wet parts of this kind of dredging pump -- impeller, liner and front & back liner plate are adapted anti-wear cast iron alloy whose hardness is more than 58HRC, who has both strong antiattack feature and higher resistance wear and resistance abrasion features. The hardness of H31 material that is researched and tested successfully by Delin can research 70HRC.

For fully considered the life-service match between each spare part. the resistant wear parts have the same replacing period which is good to maintain and reduce the replacing cost.

A little hydraulic loss , High Efficiency, Low power Consumption:

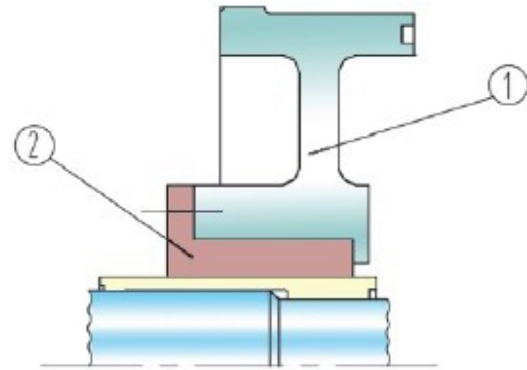
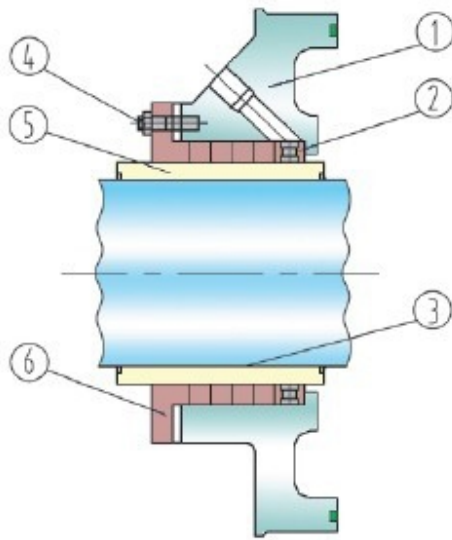
Due to adopting advanced hydraulic model, D dredging pump efficiency is very high. Series of D dredging pump working efficiency is higher 2-3 percent than the exported dredging pump working efficiency. Therefore, it can reach lower oil consumption at the same productive quantity.

Reliable shaft sealing without leakage

Dredging Pump Technical Datas

Type	Capacity (Q)	Head (H)	Speed (n)	Max. Eff.	NPSHr	Suction Dia.	Discharge Dia.	Max. Dia. of Flowd Partice	Weight
	m ³ /h	m	r/min	%	m	mm	mm	mm	kg
HS-D250/200L	340-870	10-45	900	65-70	<4	250	200	178	2500
HS-D250/200MS	520-1000	38-65	850	70-74	<4	250	200	180	3000
HS-D300/250L	500-950	10-42	700	65-68	<4	300	250	220	3000
HS-D350/300L	700-2400	10-38	650	74-78	<4	350	200	241	6000
HS-D350/250M	500-1500	35-68	600	74-78	<4	350	250	220	3513
HS-D450/300M	900-2500	40-70	550	76-80	<4	450	300	241	3513
HS-D450/350M	1200-3500	40-70	550	71-75	<4	450	350	245	7300
HS-D500/450L	1200-3800	10-43	480	78-80	<4	500	450	354	7850
HS-D600/450MS	1500-4200	40-76	550	80	<4	600	450	354	7950
HS-D650/550L	1800-5500	10-48	420	83	<4	650	550	300	8000
HS-D650/500MS	2000-6000	35-73	440	85	<4	650	550	250	11300
HS-D700/600MS	2500-8000	30-76	470	85	<4	700	600	220	30000
HS-D760/700MS	2800-10000	30-76	380	81	<4	760	700	280	45000
HS-D800/700L	3000-8500	10-43	380	81	<4	800	700	280	23000
HS-D800/750MS	5500-14000	34-74	349	81	<4	800	750	290	55000
HS-D900/800L	4000-13000	10-40	280	85	<4	900	800	300	23000
HS-D900/850MS	7000-17000	34-74	330	85	<4	900	850	320	65000
HS-D1000/900MS	8000-20000	34-74	175	85	<4	1000	900	340	80000
HS-D1050/950L	7500-17000	10-38	258	85	<4	1050	950	345	95000
HS-D1200/1000MS	8000-28000	24-75	290	85-87	<4	1200	1000	350	121000

Shaft Seal for D Dredging Pump

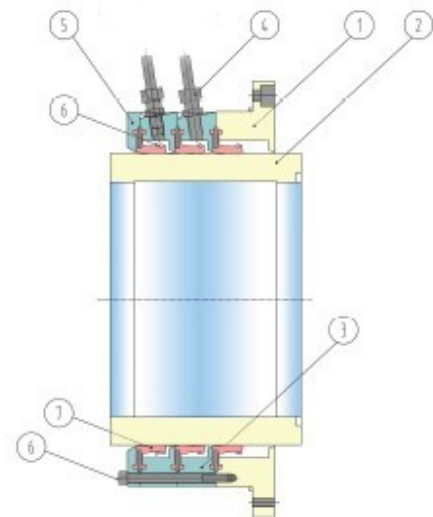
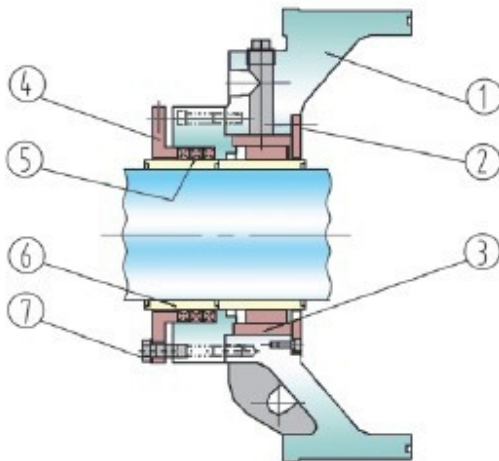


Packing Sealing

1. Sealing Box
2. Water Seal Ring
3. Packing
4. Gland Bolt
5. Shaft Sleeve
6. Gland

Machine Sealing

1. Packing Box
2. Mechanical Sealing



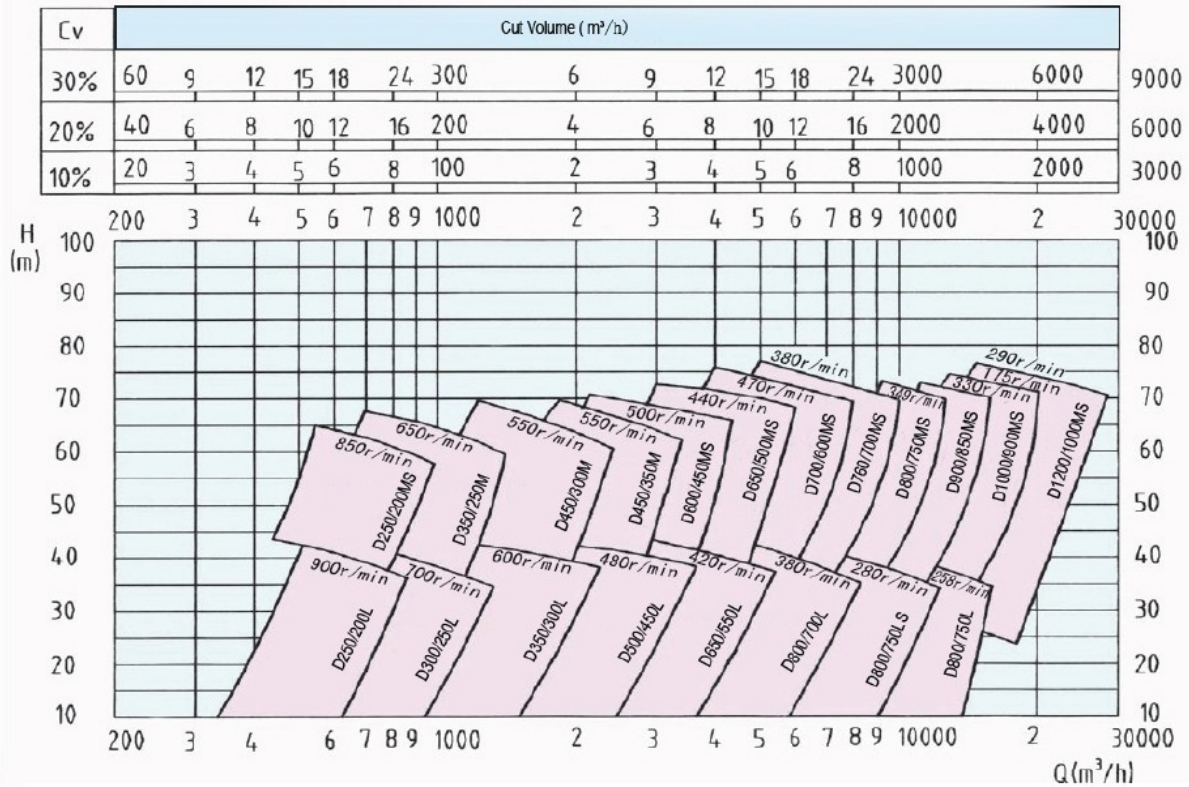
Packing & Mechanical Sealing

1. Sealing Box
2. Sealing Guard
3. Mechanical Sealing
4. Gland
5. Packing
6. Shaft Sleeve
7. Gland Bolt

L shape Shaft Sealing

1. Flange End Cover
2. Shaft Sleeve
3. Sealing Ring Pad
4. Pipe Nipple
5. Gland
6. Spring Ring
7. Sealing Ring
8. Screw Helix L Rubber Sealing

Series of D Dredging Pump Performance Curve



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