

D/DG/MD Multistage Pumps



MAIN FEATURES

1. The impeller, guide vane and other flow passage components are optimized and designed by CFD flow field analysis technology, with high efficiency;
2. The static seal between the suction section, the middle section and the discharge section of the pump adopts metal face seal and "O" ring double seal, and the pump shaft seal adopts high-performance ramie Packing or mechanical seal, safe and reliable;
3. The pump type spectrum is wide, and the large-flow pump is the leading technology in China:
4. The rotor adopts two balancing processes, static and dynamic, and the rotor runout is strictly controlled, so that the pump operates stably and the vibration is small;
5. The shaft is made of high-quality carbon steel, alloy steel or stainless steel through multiple heat treatment processes, with high rigidity and good stability;
6. The unique shoulder positioning structure makes the impeller positioning more reliable and safe;
7. The suction section and discharge section of the pump are made of high-quality castings or forgings, which ensures the reliability of product operation while ensuring the hydraulic efficiency;
8. The balance mechanism is made of high-quality stainless steel, the surface of friction pair is quenched or sprayed with cemented carbide, which has good wear resistance and long service life;
9. Some models adopt the first-stage double-suction structure to improve the anti-cavitation performance.

WORKING CONDITIONS

Nominal speed: 2980/1480 r/min

Transport medium: D-type horizontal multistage centrifugal pump is used to transport clean water without solid particles or liquid with physical and chemical properties similar to clean water

MD type wear-resistant multistage centrifugal pump for coal mine is used for conveying solid particle content (volume concentration) not more than 1.5% (particle size less than 0.5mm), neutral mine water with temperature not higher than 80 °C or other similar sewage

DG type boiler feed water pump is used for hot water

Temperature: 0~125 °C

Capacity: 3.75~1200m³/h

Head: 50~1550m



APPLICATION AREA

Type D horizontal multistage centrifugal pump is mainly used for water supply and drainage in factories, cities and mines;

MD wear-resistant centrifugal pump for coal mine is mainly used to transport neutral mine water and other similar sewage (only applicable to non-mining working face when used in coal mine)

DG boiler feed water pump is mainly used for hot water transporting

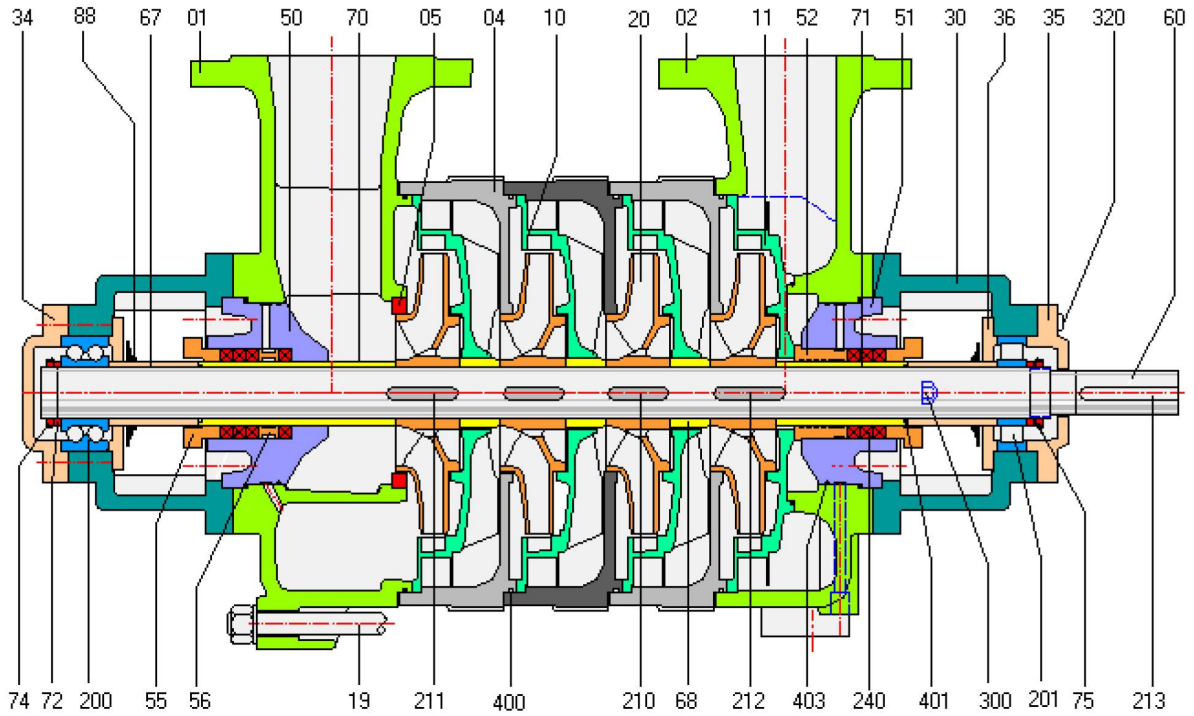


MATERIAL

	Cast iron	Cast steel	SS304/L	SS316/L
Suction part	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Middle part	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Outlet part	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Guide vane	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Impeller	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Also producing according to the material requirements of customers.

STRUCTURE



Spare Part List

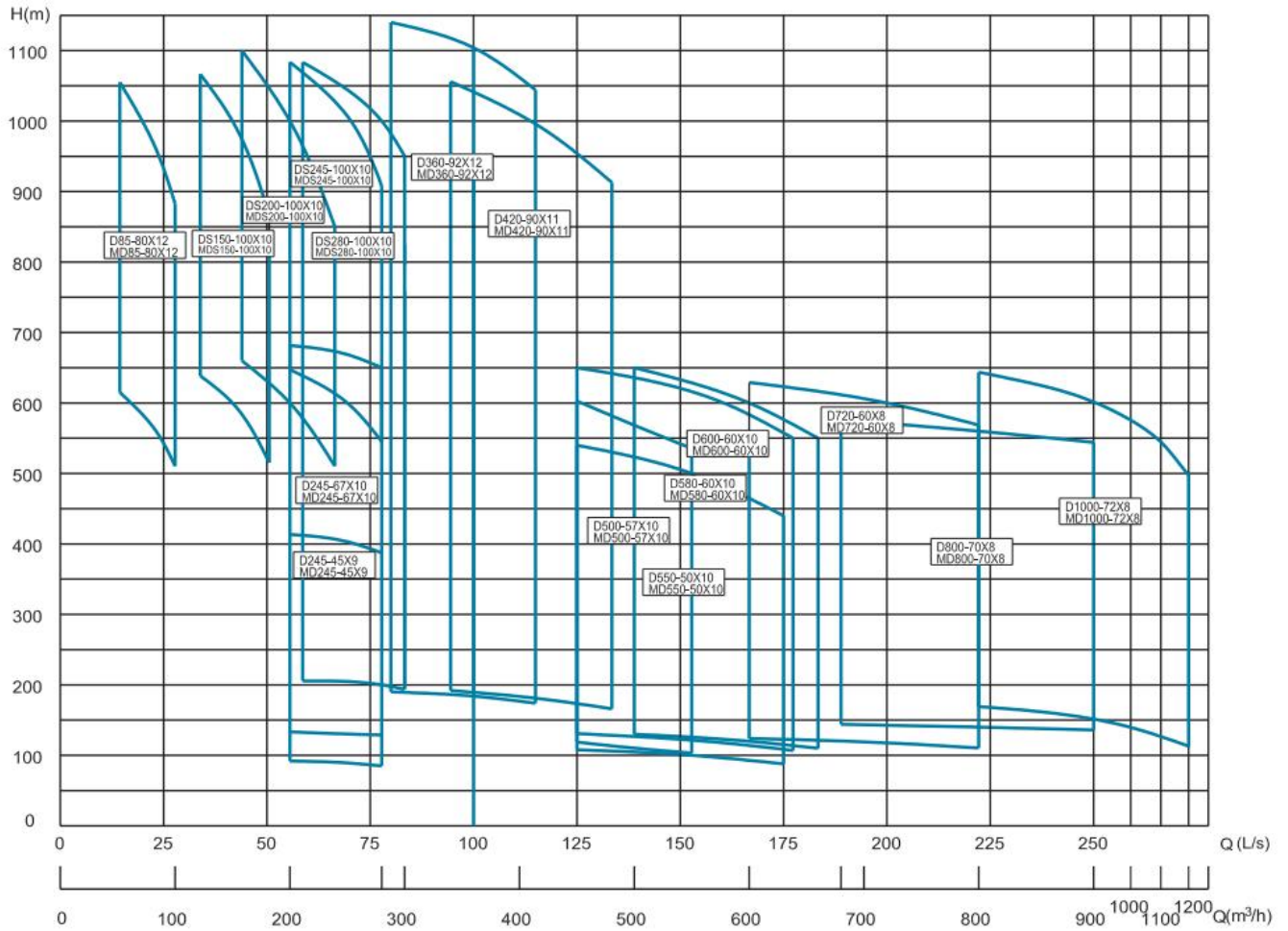
Part No	Part Name	No	Part Name
01	Suction casing	71	Seal sleeve (discharge)
02	Discharge casing	72	Intermediate ring
04	Stage casing	74	Shaft nut (suction)
05	First stage wear ring	75	Shaft nut (suction)
10	Diffuser	88	Deflector
11	Last stage diffuser	200	Ball bearing (3300 C3)
19	Casing stud and nut	201	Cylindrical bearing (NU 300)
20	Impeller	210	Impeller key
34	Bearing cover (suction)	211	First stage key
35	Bearing cover (discharge)	212	Last stage key
36	Internal bearing cover	213	Coupling key
50	Stuffing box (suction)	240	Soft packing
51	Stuffing box (discharge)	300	Gland stud and nut
52	Seal throat bush	320	Bearing cover bolt
55	Gland	400	O-ring (stage casing)
56	Lantern ring	401	O-ring (shaft sleeve)
60	Pump shaft	403	O-ring (stuffing box)
67	Intermediate bush		
68	Intermediate bush		
70	Seal sleeve (suction)		

PERFORMANCE

Flow: 3.75-1200m³/h

Head: 50-1550m

Power: 0.58-1400kw



HEBEI TONGDA PUMP CO.,LTD

Our quality and high-efficiency products as well as our understanding of customer requirements have made us a preferred partner for pumping solutions worldwide.

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