

General Description

HMF is the horizontal mixed flow pumps that is single stage pump with single suction in the impeller. HMF has the back-pull-out structure and it is not necessary to dismantle the pipeline while the maintenance is requested. The casing and impeller are overhung on the support assembly. The bearings are lubricated by oil in the bearing housing. The pump can be supplied with gland packing or mechanical seal structure for options.

HMF is used for big capacity at low head. It is a good alternative option while the split casing pump can not meet the request. The pump is featured as high efficiency, rigid structure, long service life and stable energy consumption in the whole working span. The pump can be directly mated with driver by flexible coupling, speed reducers, or belt.

Performance Range

- Capacity: up to 8000m³/h
- Head: up to 25m
- Speed: 490r/min~1500r/min
- DN Size: up to DN600mm
- Power: 0.55~400kW
- Medium temperature: <155°C
- Frequency: 50~60Hz
- Voltage: 110v~11000V
- Driver: electric motor or diesel engine
- Standard: DIN, ISO, GB
- Flange standard: DIN, ANSI, ISO, BS, JIS, GB, JB, etc.

Application

- Water plant
- Water extraction and transport
- Chemical liquid circulation
- Power station and nuclear power station
- Offshore projects and sea water
- Mining and steel plants
- Municipal Projects
- Agricultural Irrigation
- Petrochemical Industry
- Mining and steel plants
- Water treatment
- Nuclear industry
- Chemical plants

Material Available

Casing

Cast iron
Ductile cast iron
Ni-resistant cast Iron
Cast steel
AISI304
AISI316
AISI316L
Duplex stainless steel

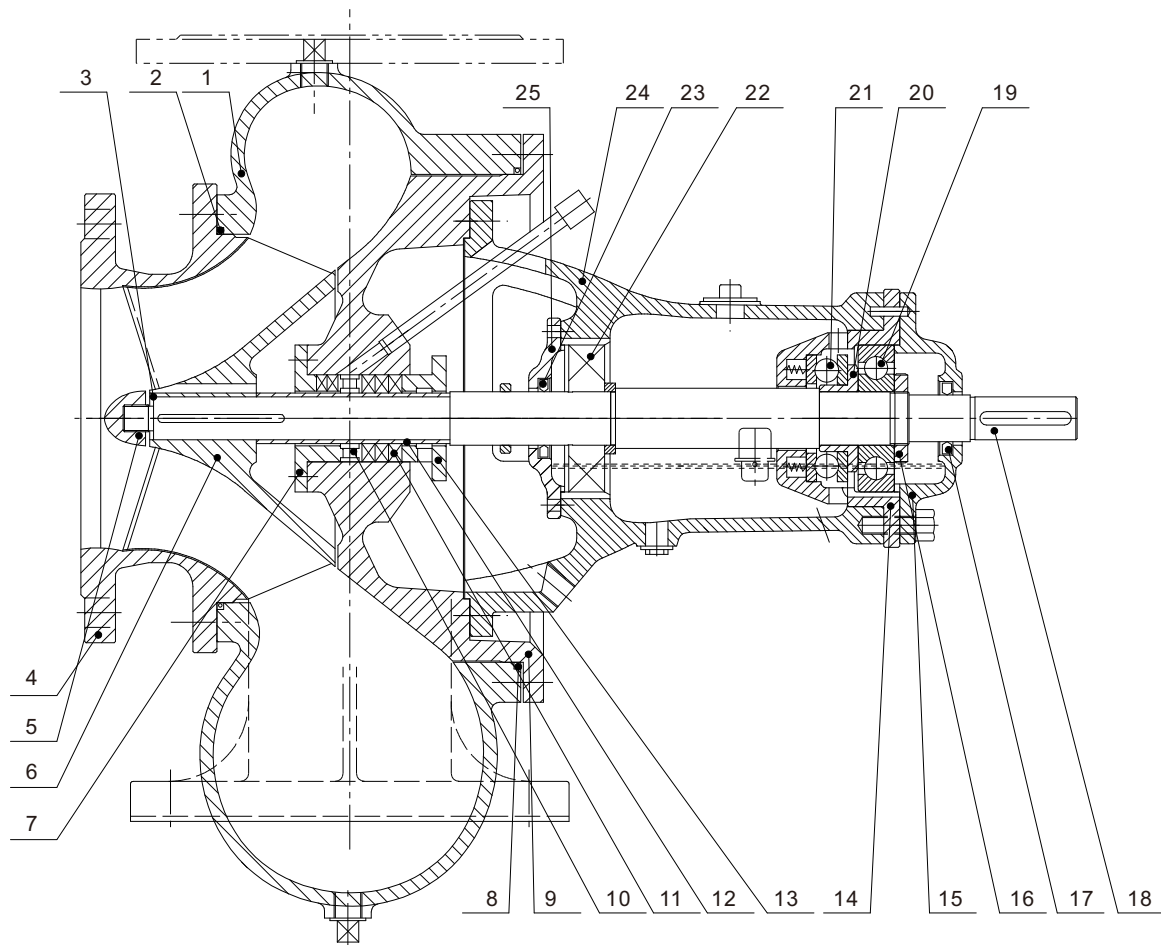
Impeller

Cast iron
Ductile cast iron
Ni-resistant cast Iron
Cast steel
Bronze
AISI304
AISI316
AISI316L
Duplex stainless steel

Shaft

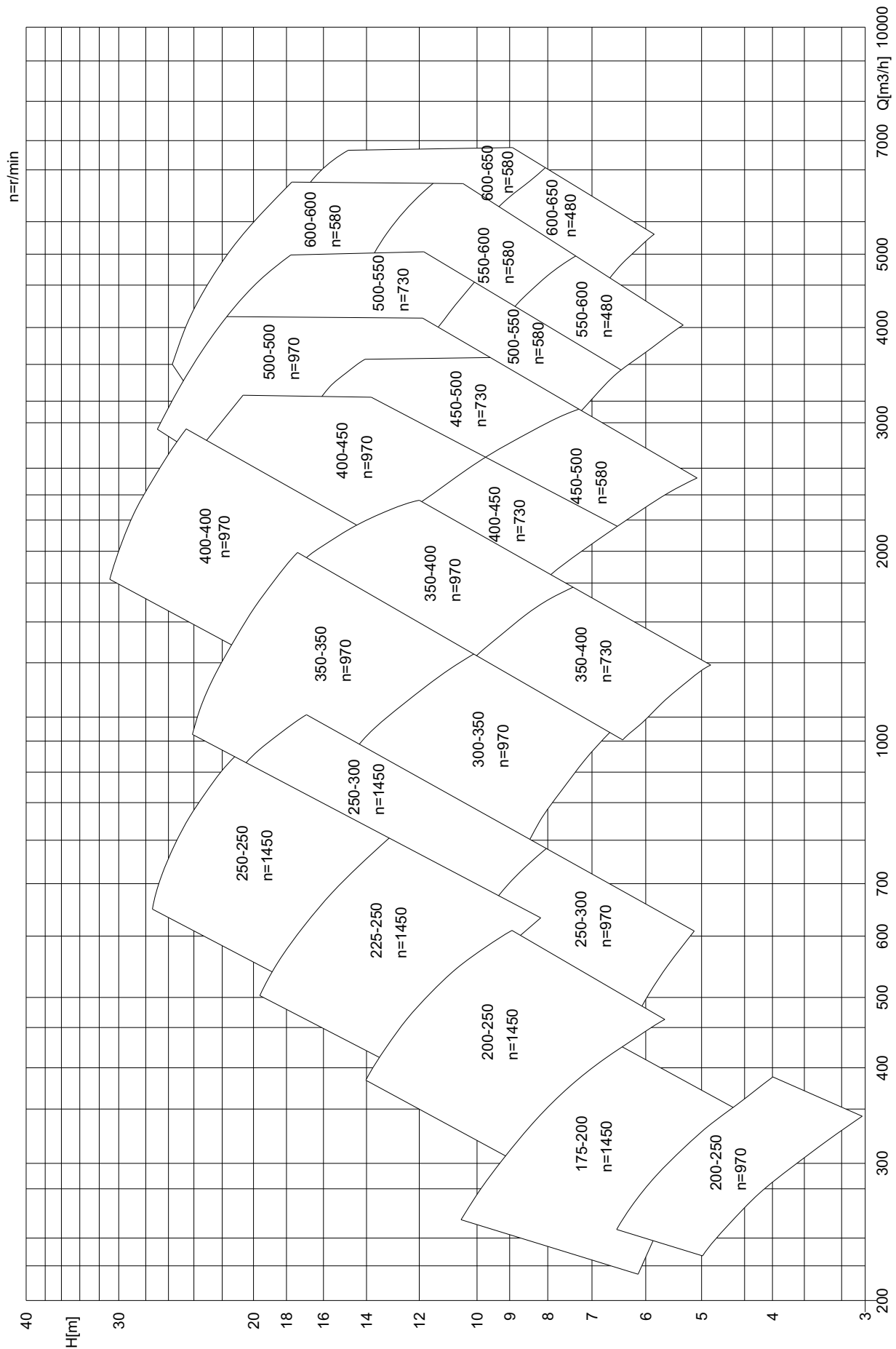
Carbon steel ASTM1045
AISI304
AISI316
AISI316L
Duplex stainless steel

■ Sectional drawing



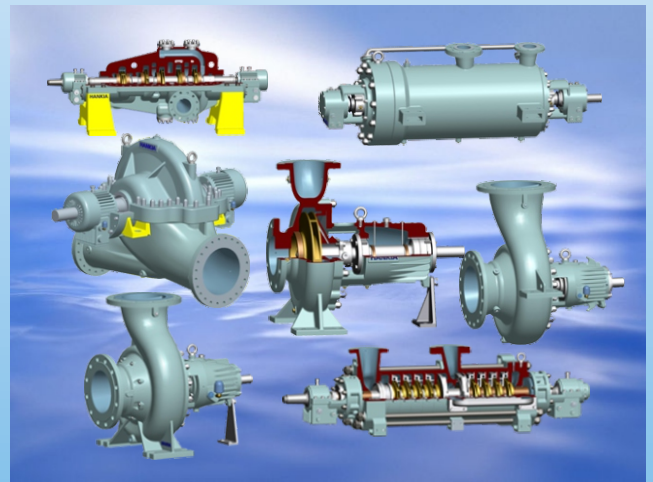
Part No.	Description	Part No.	Description	Part No.	Description
1	Pump Casing	10	Lantern Ring	18	Pump Shaft
2	O-Ring	11	Packing	19	Radial Ball Bearing
3	Anti-loose Bush	12	Shaft Sleeve	20	Intermediate Bush
4	Suction Flange Section	13	Packing Gland	21	Thrust Bearing
5	Impeller Nut	14	Bear Housing	22	Radial Ball Bearing
6	Impeller	15	Rear Bearing Gland	23	Oil Seal
7	Packing Box Left Gland	16	Bearing Stationary Nut	24	Rotor Housing
8	O-Ring	17	Oil Seal	25	Front Bearing Gland
9	Packing Box				

■ Performance selection chart



HANKIA®

PUMP EXPERT



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