

HORIZONTAL MULTISTAGE CENTRIFUGAL PUMP C A T A L O G U E



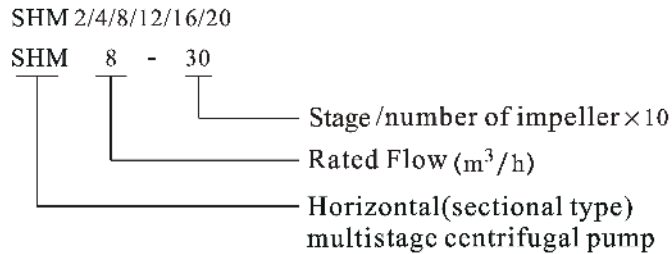
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SHM

Stainless Steel Horizontal Multistage Pump — SHM(T)

Model Description



Medium transporting

- Thin, Clean non-flammable and explosive and not containing solid particles or fibers liquid.
- Nanyuan Pump can transport, such as mineral water, softener water, pure water, oil and other light chemical medium
- When the density or viscosity of conveying liquid is greater than the water, the pump must be with high power motor.
- If the pump can be used in a particular liquid is determined by many factors, one of the most important is the content of chloride, PH value, temperature and solvent, oil content, etc.

Working condition

- Liquid Temperature:
Normal Temperature:
-15°C ~+70°C DFRG -15°C ~+105°C
- Environment Temperature: Max. 40°C
- Max. running pressure: 10 bar
- Maximum inlet pressure being limited by the maximum operating pressure

Motor

- Totally enclosed, air-cooled secondary standard motor
- Degree of protection: IP 55
- Insulation class: F
- Standard voltage: 1x220-240V
(50Hz) 3x220-240/380-415V
- Max. Power of single motor 2.4kw.

Typical applications

- Air conditioning system
- Cooling system
- Industrial cleaning
- Water treatment (Purification of water)
- aquaculture
- Fertilization / measurement system
- Environmental applications
- Others

Curve condition

The following conditions apply to performance curve which will be show in this catalogue.

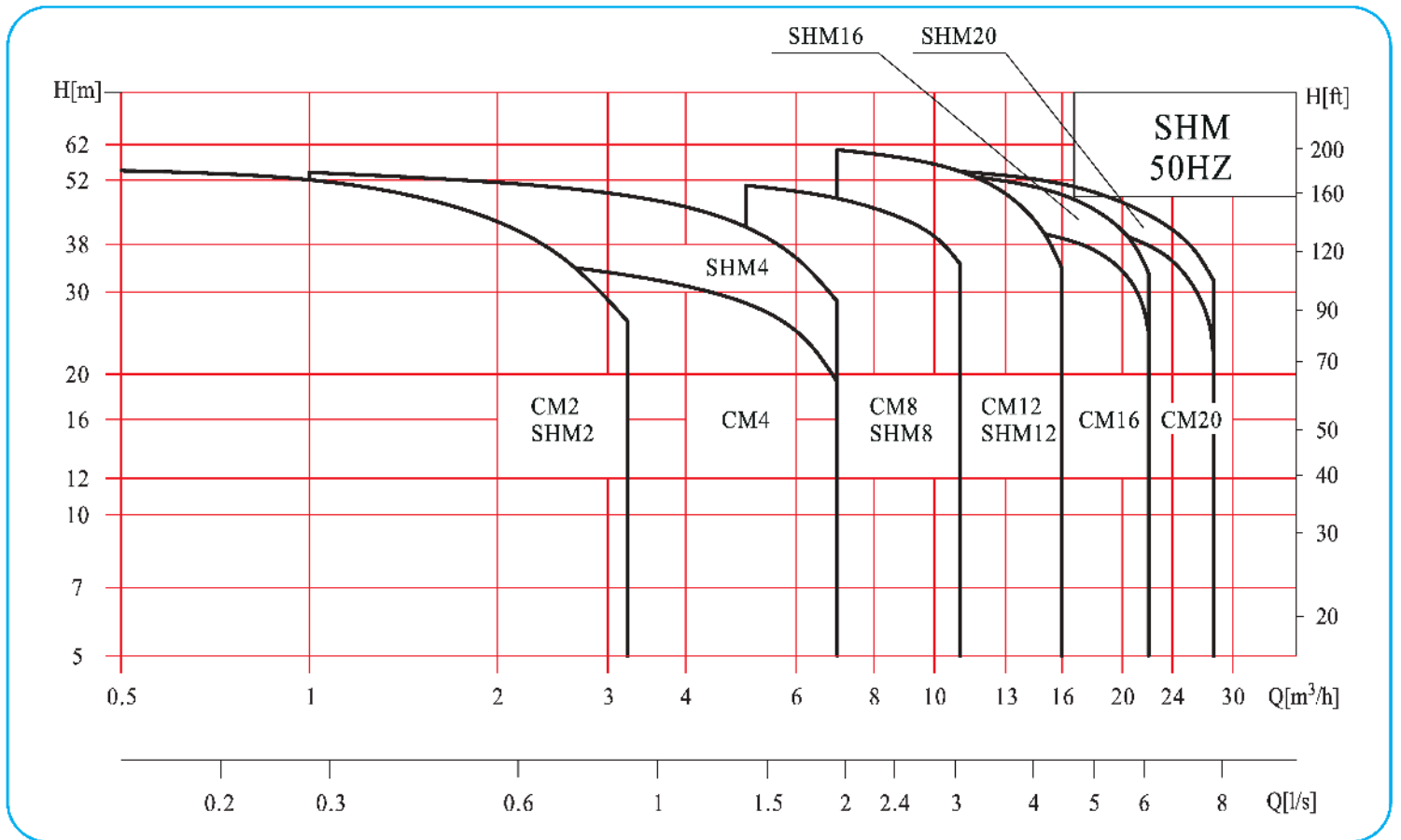
- All measure value of curves are based on the motor in a constant speed of 2900 RPM.
- Curve tolerance meets ISO9906, appendix A.
- Test with 20°C pure water (without air), kinematic viscosity 1mm²/s.
- Pump using referring to the performance range of thick lines, to prevent the motor from too small flow to produce overheat and too big flow to produce overload.

Pump

- Horizontal multistage non self - priming centrifugal pump, with extended shaft motor
- Compact structure makes size of pump very small, axial inlet and radial outlet.

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Performance Range



Specification

Key parameter	SHM2	SHM4	SHM8	SHM12	SHM16	SHM20
Rated Flow [m³/h]	2	4	8	12	16	20
Rated Flow [l/s]	0.56	1.1	2.2	3.3	4.4	5.6
Flow Range [m³/h]	0.6~3.2	1~7	5~11	7~16	8~22	10~28
Flow Range [l/s]	0.17~0.89	0.28~1.9	1.39~3	1.9~4.4	2.2~6.1	2.8~7.8
Max. Pressure [bar]	5.3	5.6	5	6	5.3	5.3
Motor Capacity [kW]	0.37~0.75	0.37~1.1	0.75~2.2	1.2~3	2.2~4	2.2~4.4
Temp. Range [°C]	-15~105					
Max. Efficiency [%]	46	58	62	63	66	69
Threaded joint						
water outlet	Rp1	Rp1	Rp1 $\frac{1}{4}$	Rp1 $\frac{1}{2}$	Rp2	Rp2
Water inlet	Rp1	Rp1 $\frac{1}{4}$	Rp1 $\frac{1}{2}$	Rp1 $\frac{1}{2}$	Rp2	Rp2



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