

HORIZONTAL MULTISTAGE CENTRIFUGAL PUMP

C A T A L O G U E



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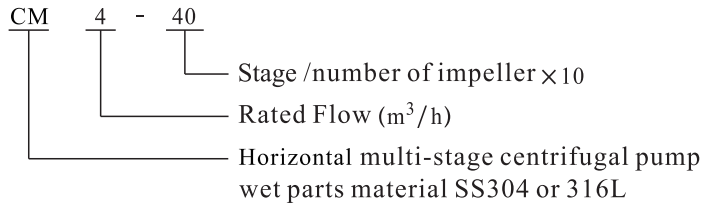


CM

Stainless Steel Horizontal Multistage Pump CM

Model Description

CM2/4/8/12/16/20



Typical applications

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

Medium transporting

- Thin, Clean non-flammable and explosive and not containing solid particles or fibers liquid.
- Nanyuan Pump can transport, such as mineral water, soft 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.

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.

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

Pump

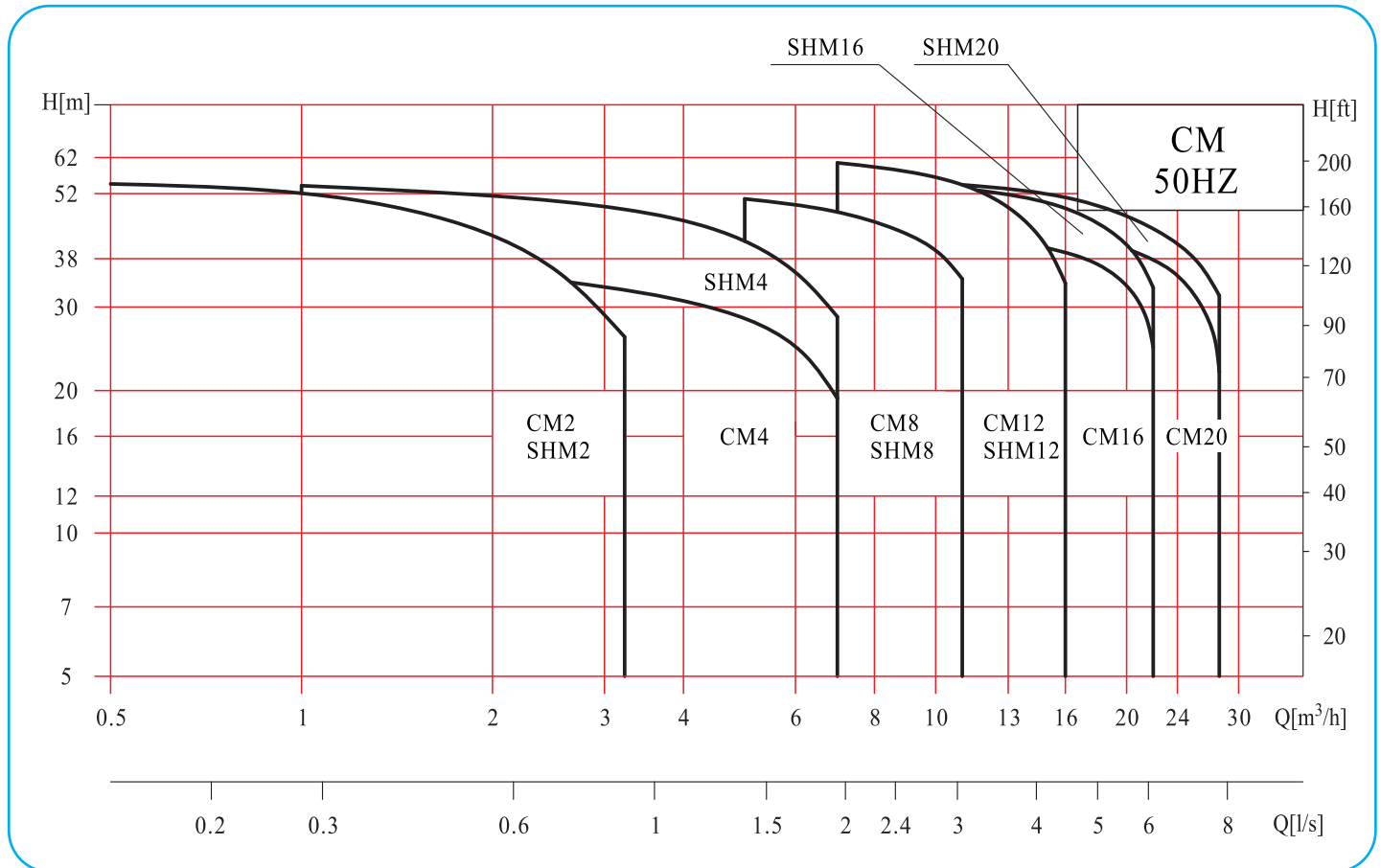
- Horizontal multistage non self - priming centrifugal pump, with extended shaft motor
- Compact structure makes size of pump very small, axial inlet and radial outlet.

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.

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Performance Range



Specification

Key parameter	CM2	CM4	CM8	CM12	CM16	CM20
Rated Flow [m ³ /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 [m ³ /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	3.7	5	6	3.9	3.9
Motor Capacity [kW]	0.37~0.75	0.37~0.75	0.75~2.2	1.2~3	2.2~3	2.2~4
Temp. Range [°C]	-15~105					
Max. Efficiency [%]	46	58	62	63	66	69
Threaded joint						
water outlet	Rp1	Rp1	Rp2	Rp2	Rp2	Rp2
Water inlet	Rp1	Rp1 ^{1/4}	Rp2	Rp2	Rp2	Rp2

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