



**Self-Priming Pump
(CIP Pump)**

S Self-Priming Pump(CIP Pump)



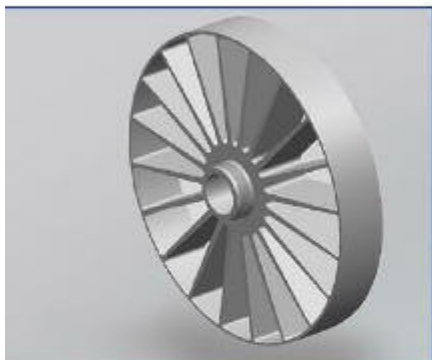
Applications

- * The pump is a sanitary side channel self priming pump, it's suitable for food processing, pharmacy and chemical industry.
- * It is specially designed for pumping materials containing air or gas, and it can also be used for negative suction with prior priming as well as with filtration equipment.
- * It can be used with wine, oil, syrups, volatile products such as alcohol, acetone and other solvents, or with products at temperatures close to boiling point. However, the main use of this pump is for CIP return.



Operating Principles

- * The impeller is housed between the inlet body and the venturi casing and it rotates in conjunction with the pump shaft.
- * The rotation of the impeller and arrangement of the side channel, creates a negative pressure inside the inlet body, which generates the suction force of the pump. At the same time, the fluid receives energy in the form of kinetic energy and pressure energy, and this impels it through the impeller casing.



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Design and features

- * Casing manufactured with cold-formed plate.
- * Stainless steel investment casting inlet body and impeller.
- * Mechanical seal prevents contacting between the springs and the pumped fluid
- * Stainless steel support



Materials

- | | |
|--------------------------------------|---------------|
| * Parts in contact with pumped media | AISI -316/304 |
| * Other parts | AISI-304 |
| * Gaskets (standard) | EPDM (FDA) |
| * Mechanical seal (standard) | C/SiC/EPDM |
| * Internal surface finish | Polished |
| * External surface finish | Sandblast |



Technical specifications

- | | |
|-----------------------|-------------------------------|
| * Max.flow | 30m ³ /h / 132 GPM |
| * Max.head | 30 H(M) |
| * Max.pressure | 3Bar/ 43 PSI |
| * Max.operating temp. | 120°C/ 248°F |
| * Max. rev. | 1750 min |
| * Max.suction height | 8m / 22 ft |

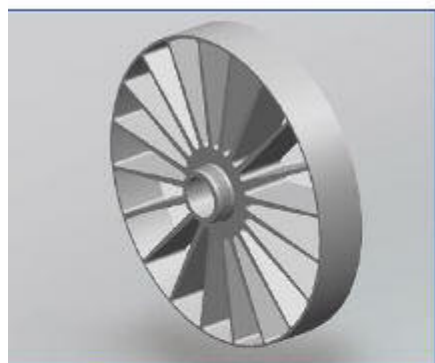
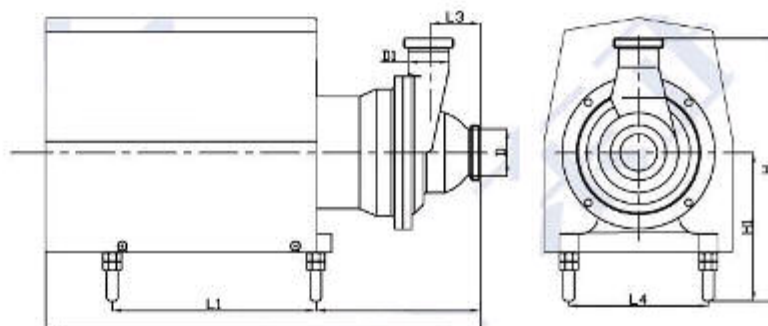
- * Motor type: B35, Motor frequency 50HZ/60HZ.

Motor power(KW) refer to table below:

功率(kW) Power(kW)	电压备注 Voltage	功率(kW) Power(kW)	电压备注 Voltage
0.75		4	
1.1	210V~230V/50HZ	4.5	360V~400V/50HZ
1.5	360V~400V/50HZ	7.5	630V~690V/50HZ
2.2	420V~460V/60HZ	11	420V~460V/60HZ
3		15	



- * Mechanical seal in SiC/SiC
- * Gaskets in FPM(Viton) and PTFE
- * Inlet & outlet connections: Clamp, Thread, Flange, DIN, SMS, 3A, RJ

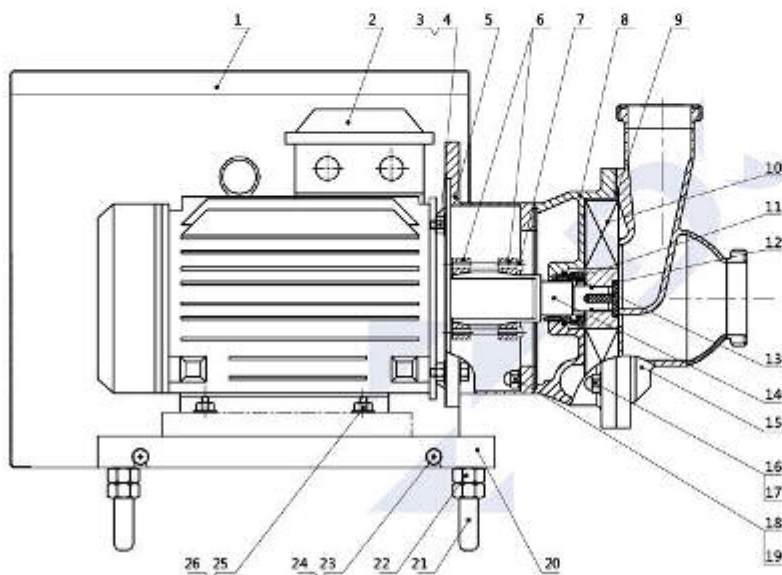


Attention: Please refer to selection table for details of next page, The size in the following form is the reference value, the actual size is according to practicality.

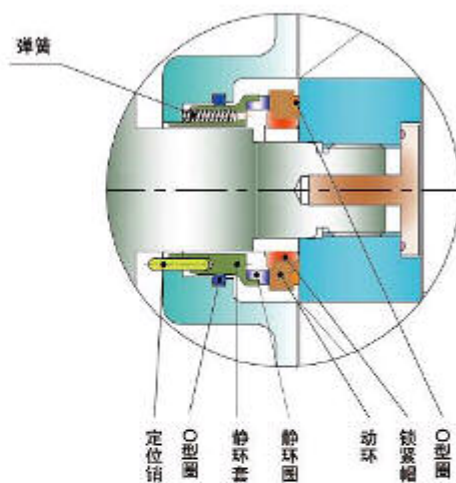
规格 Size	L	L1	L2	L3	L4	H	H1	D	D1
CIP-B04	610	300	192	77	160	342	209	50.8	38.1
CIP-B08	610	300	192	77	160	342	209	50.8	50.8
CIP-B10	650	300	278	81	190	406	221	63.5	50.8
CIP-B20	710	330	267	81	216	426	241	63.5	63.5
CIP-B30	750	368	267	81	216	426	241	76.2	63.5



Assembly Dimension



26	螺母 Nut
25	内六角螺栓 Inner Hex.Bit
24	外六角螺栓 Outer Hex.Bit
23	衬垫 Gasket
22	锁紧螺母 Locknut
21	机脚螺栓 Foot Bolt
20	机脚 Foot
19	双头螺栓 Double Head Bolt
18	盖形螺母 Box Nut
17	双头螺栓 Double Head Bolt
16	盖形螺母 Box Nut
15	泵头 Pump Cover
14	泵轴 Pump Shaft
13	叶轮螺栓 Impeller Bolt
12	O型圈 O Ring
11	机械密封组 Mechanical seal Assembly
10	叶轮 Impeller
9	泵头O型圈 Pump Head O Ring
8	泵体 Pump Body
7	内六角螺栓 Inner Hex.Bit
6	光孔紧圈 Tighten Ring
5	连接架 Connection Part
4	外六角螺栓 Outer Hex.Bit
3	螺母 Nut
2	电机 Motor
1	泵罩 Pump Cover
序号 Pos.	名称 Name



机械密封组件

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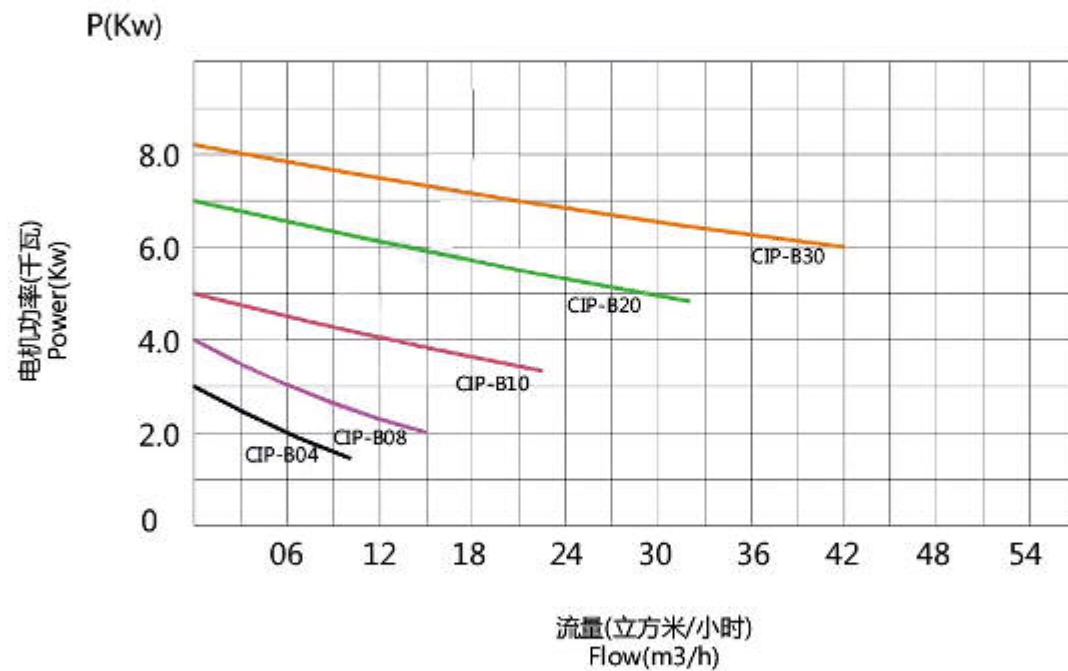
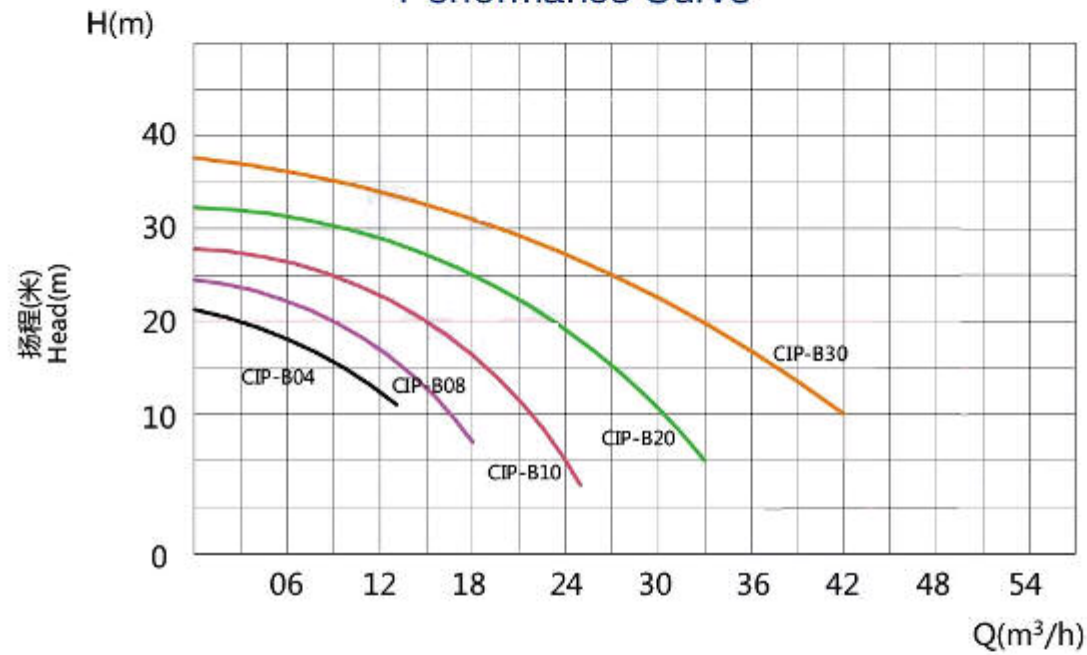
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CIP

N--1450min

介质: 20℃ 清水 Medium: 20℃ Water	吸程 Suction head: 8M
误差 Tolerance: ± 5%	频率 Frequency: 50Hz

Performance Curve



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Self-priming Pump selection table

型号 model	流量(吨) Flow rate(T)	扬程(M) Discharge head	功率(Kw) Power(Kw)	进出口 Inlet & Outlet size
CIP-B04	4	24	2.2kw	2"/1.5"
CIP-B08	7	24	3KW	2"/2"
CIP-B10	10	24	4KW	2.5"/2"
CIP-B20	20	24	5.5KW	2.5"/2.5"
CIP-B30	30	24	7.5kw	3"/2.5"



Model instruction of Self-priming pump

