



上诚泵阀 因诚而信
Shangcheng Pump and Valve
Being trustworthy because of its sincerity

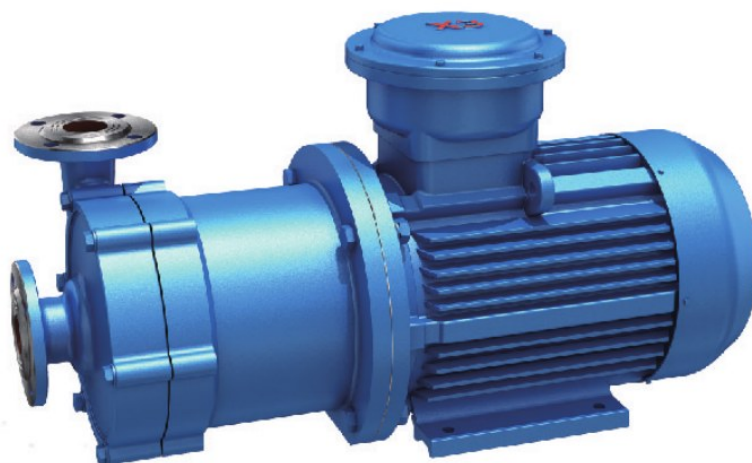
SHANGHAI
SHANGCHENG

PUMP AND VALVE MANUFACTURING CO.,LTD

磁力泵系列

MAGNETIC PUMP SERIES

产品说明书 Product specification



上海上诚泵阀制造有限公司

SHANGHAI SHANGCHENG PUMP AND VALVE MANUFACTURING CO.,LTD



公司简介 *Brief Introduction*

上海上诚泵阀制造有限公司是一家集科研、开发、生产、销售于一体的泵阀企业；公司拥有一支经验丰富、勇于实践、不断创新的高素质开发、科研队伍；其中高级工程师2名，研究、设计技术人员35名，生产技术制造人员68名，现有员工总数达298人；公司拥有国内外先进的电脑微机控制性能水泵测试台，使客户更安全、更有效、更放心地使用上诚产品。

公司全面采用 ISO9001：2000《质量管理体系要求》，并有效的实施；自创办以来始终把质量管理作为第一追求目标，发扬拼搏精神，争创一流的精神在泵阀行业中不断发展壮大。

公司主要生产经营各类水泵及配套蝶阀；产品畅销全国各地，广泛应用于石油、化工、电力、造纸、食品、制药、给排水工程等，深受各行业用户的一致好评，上诚秉着“以诚为本，以质取胜”的经营理念，诚心为您提供优质的品牌产品和完美的服务，竭诚欢迎社会各界惠顾合作。

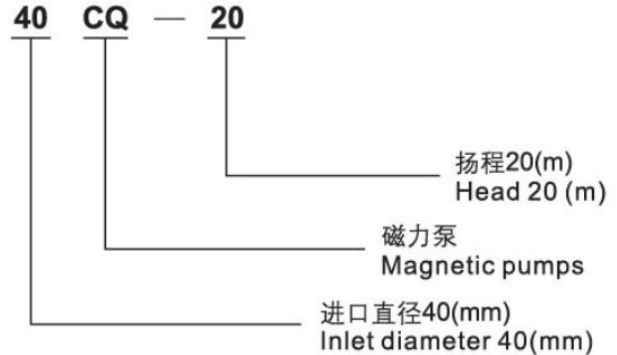
Shanghai Shangcheng Pump and valve manufacturing Co.,Ltd. is an enterprise of Researching, developing, producing and selling; The company has an experienced team to develop high quality products, 2 senior engineers, 35 designing engineers, 68 technicians, which totally amounts to 298; The company has the domestic advanced automatical system to perform water pump test, which can make the customer to use our products safely, effective and easily.

The ISO9001:2000 quality control system request always be implemented effectively; since our company is opened, the quality control is always our first pursue goal and we are growing strong in the pump and valve industry.

Our main products are pumps and matched valves, which are sold to the strongly all over of China, it can be widely applied to petroleum, chemical industry, electric power, papermaking, food, drugs manufacturing and so on, "honesty oriented, quality comes first" is our management idea, which sincerely provides the high quality brand product and the consummation service for you.

▶ CQ型磁力驱动泵 CQ Magnetic Drive Pumps

▶ 型号意义 Designation



▶ 产品特点 Product Features

- CQ型泵具有结构简单、外型美观、体积小、噪音低、运转可靠、使用维修方便等优点。磁传动部分采用铁氧体为主要的材料，过流部分采用不锈钢，是目前应用最广泛的无泄漏泵。
- CQ type pump owns advantages such as simple structure, nice appearance, small body, little noise, reliable in operation, easy to operate and convenient to maintain. The magnetic drive part is mainly made of ferrite, and overflow part is made of stainless steel. Currently it is the no-leakage pump applied most widely.

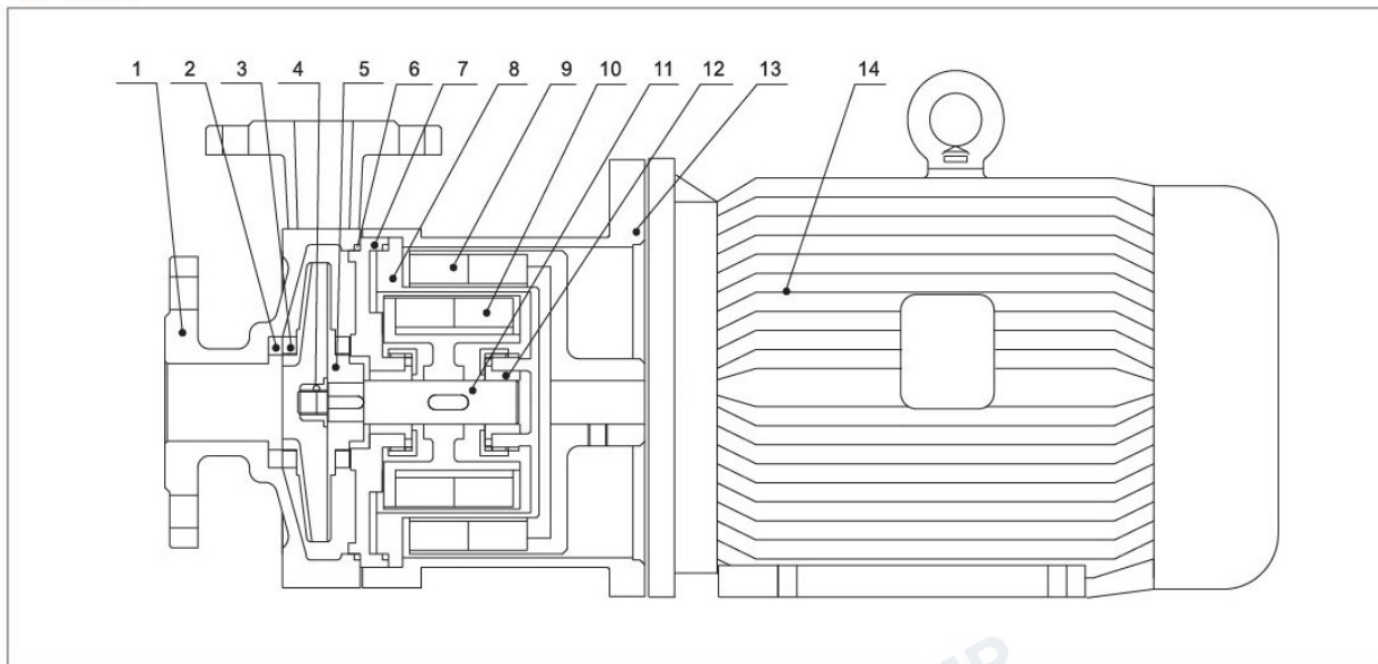
▶ 产品用途 Product Applications

- 适用于抽送酸碱液、油类、稀有贵重液、毒液、挥发性液体等化学介质，特别适用于抽送易燃、易爆液体等。
- It is applicable in pumping chemical media such as acid and alkali liquids, oil, rare and valuable liquids, poisonous liquids and volatile liquids etc. It is especially applicable in pumping flammable and explosive liquids.

▶ 主要性能参数 Main Performance Parameters

- | | |
|--|--|
| • 过流部件材质：不锈钢(奥氏体) | • Material of Wet Parts: Stainless Steel (Austenite) |
| • 联接方式：法兰、管子 | • Connecting Type: Flange or Pipe |
| • 流量 Q: 1.2~60 m ³ /h | • Flow Q: 1.2~60m ³ /h |
| • 扬程 H: 5~50 m | • Head H: 5~50m |
| • 功率 N: 0.12~22kW | • Power N: 0.12~22kW |
| • 介质的运动粘度: $< 30 \times 10^{-6} \text{m}^2/\text{s}$ | • Kinematic Viscosity of medium: $< 30 \times 10^{-6} \text{m}^2/\text{s}$ |
| • 介质温度(t): -20℃~100℃ | • Medium Temperature (t): -20℃~100℃ |

► **结构图** Structural Drawing



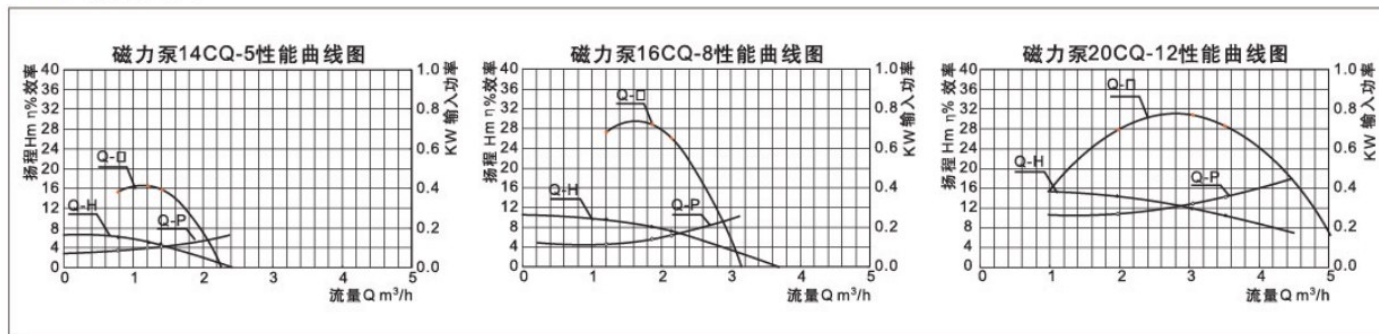
► **材料表** Material Table

序号 No.	零件名称 Name of part	材质或型号 Material or model	序号 No.	零件名称 Name of part	材质或型号 Material or model
1	泵体 Pump body	ZG1Cr18Ni9Ti	8	隔离套 Spacer sleeve	1Cr18Ni9Ti
2	静环 Stationary ring	陶瓷、氮化硅 Ceramic or nitrogen silicide	9	外磁钢总成 Assembly of outer magnet steel	铁氧体 Ferrite
3	动环 Rotating ring	填充四氟 Packing PTFE	10	内磁钢总成 Assembly of inner magnet steel	铁氧体 Ferrite
4	叶轮螺母 Impeller nut	1Cr18Ni9Ti	11	泵轴 Pump shaft	1Cr18Ni9Ti
5	叶轮 Impeller	ZG1Cr18Ni9Ti	12	轴套 Axle sleeve	填充四氟 Packing PTFE
6	密封圈 Sealing ring	氟橡胶/F4 Acrylonitrile-butadiene rubber/F4	13	联接架 Linkup stand	HT200
7	隔板 Baffle	ZG1Cr18Ni9Ti	14	电机 Motor	Y(Y2)或 YB系列 Y(Y2) or YB

用户可根据被输送介质的腐蚀性程度对泵的过流部分主要零件选用不同材料。泵的过流部分主要零件的材料及其代号如下：
main parts of flow-through parts may be different materials according to the corrosion extent of the medium to be delivered. The materials for main parts of pump flow-through parts and their codes are stated as following:

材料 material	ZG1Cr18Ni9	ZG1Cr18Ni9Ti	ZG0Cr18Ni12Mo2Ti	ZG1Cr18Ni12Mo2Ti	ZG00Cr17Ni14Mo2	ZG1Cr18Mn13Mo2CuN
代号 No.	303	305	306	307	316L	402

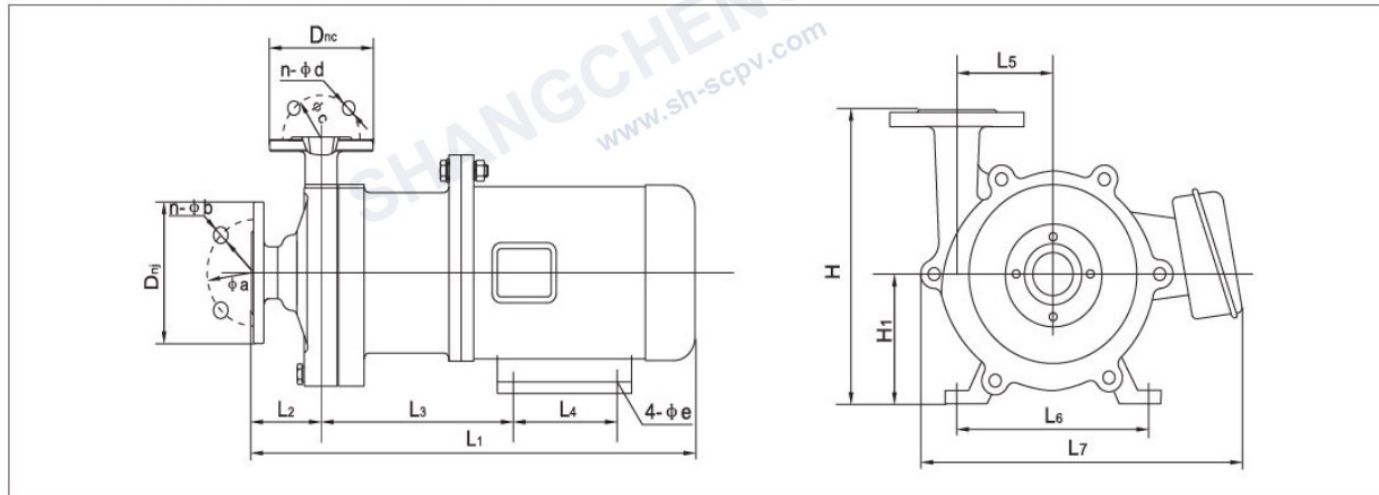
性能曲线图 Performance Curve



性能参数表 Performance Parameters

Type 泵型号	口径 Caliber (mm) 进口 Inlet 出口 Outlet	Q Capacity m³/h 流量	Head (m) 扬程	(NPSH)r (m) 汽蚀余量	Power kw 电机功率	rpm speed 转速	Voltage (V) 电压
14CQ-5	14 10	1.2	5	6.0	0.12	2800	220/380
16CQ-8	16 12	1.8	8	6.0	0.18	2800	220/380
20CQ-12	20 12	3	12	6.0	0.37	2800	220/380

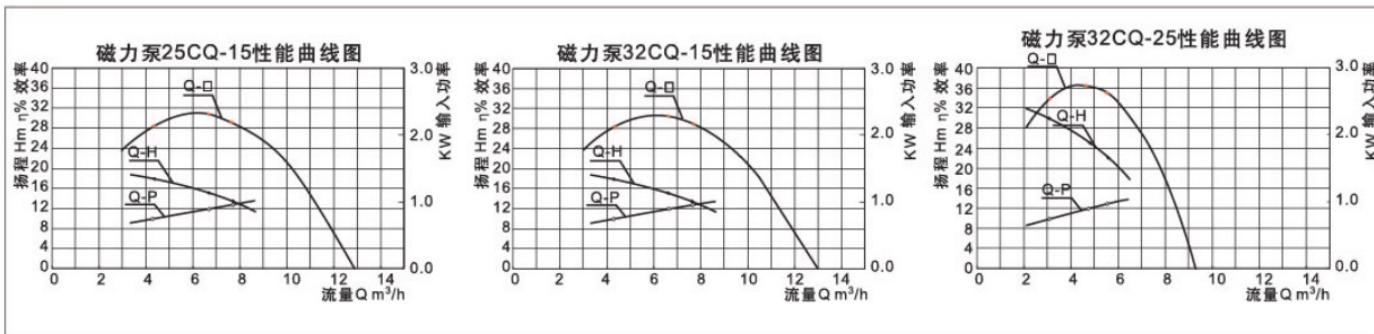
安装尺寸图 Installation Dimensions Drawing



安装尺寸表 Installation Dimensions

Type 泵型号	Dnj	a	n-φb	Dnc	c	n-φd	e	L1	L2	L3	L4	L5	L6	L7	H	H1
14CQ-5	管子连接 Pipe connection						7	320	61.5	115	71	45	90	130	150	56
16CQ-8							7	320	61.5	115	71	45	90	130	150	56
20CQ-12							8	350	59.5	135.5	80	54	100	160	166	63

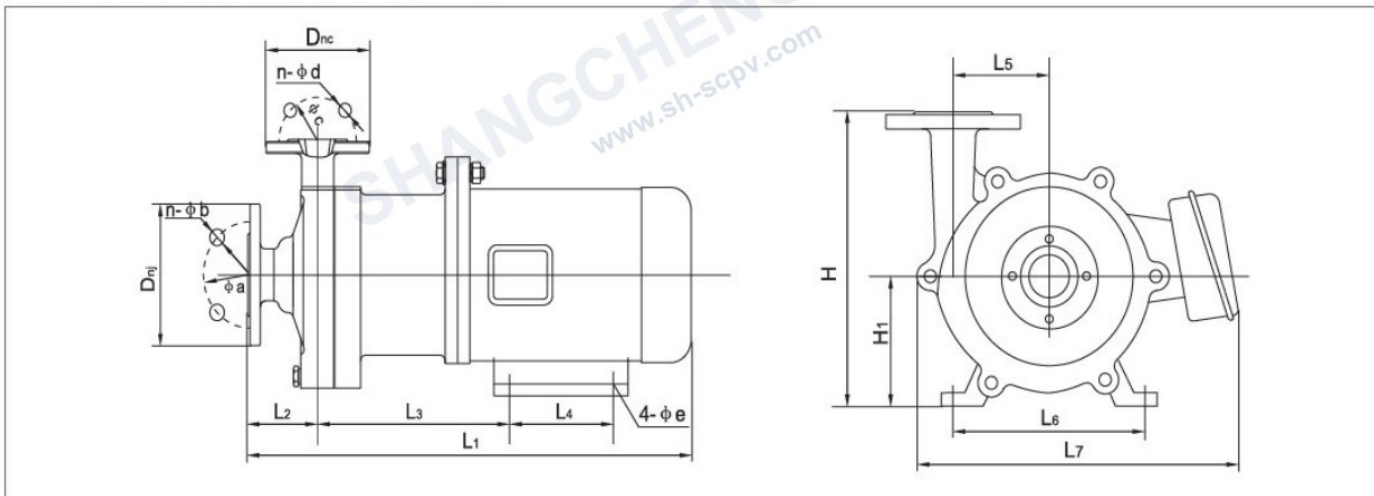
性能曲线图 Performance Curve



性能参数表 Performance Parameters

Type 泵型号	口径 Caliber (mm) 进口 Inlet 出口 Outlet		Q $\frac{m^3}{h}$ Capacity 流量	Head (m) 扬程	(NPSH)r (m) 汽蚀余量	Power $\frac{kw}{kw}$ 电机功率	rpm speed 转速	Voltage (V) 电压
25CQ-15	25	20	6.6	15	6.0	1.1	2800	380
32CQ-15	32	25	6.6	15	6.0	1.1	2800	380
32CQ-25	32	25	4.8	25	5.5	1.1	2800	380

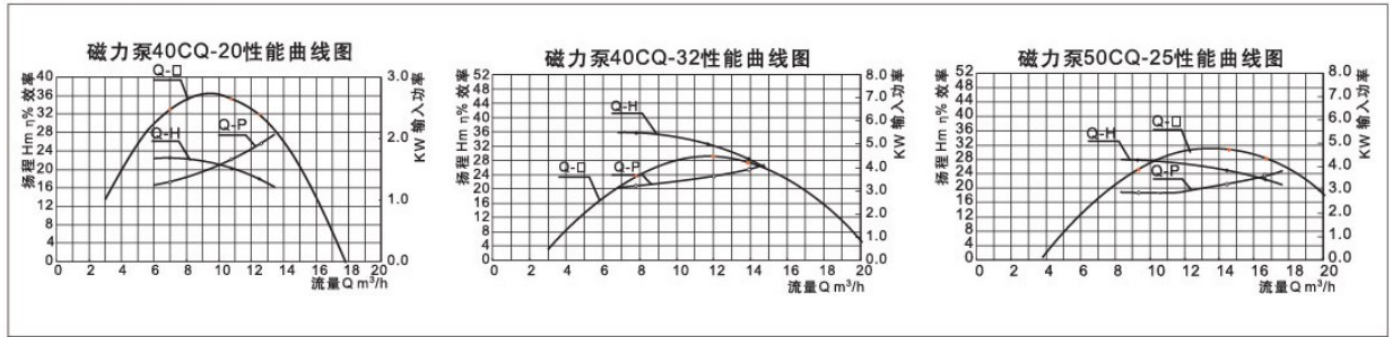
安装尺寸图 Installation Dimensions Drawing



安装尺寸表 Installation Dimensions

Type 泵型号	Dnj	a	n-φb	Dnc	c	n-φd	e	L1	L2	L3	L4	L5	L6	L7	H	H1
25CQ-15	100	75	4-φ12	90	65	4-φ12	10	460	67.5	184	100	71.5	125	240	210	80
32CQ-15	120	90	4-φ12	100	75	4-φ12	10	460	67.5	184	100	71.5	125	240	210	80
32CQ-25	120	90	4-φ12	100	75	4-φ12	10	460	70	187.5	100	85	125	260	240	80

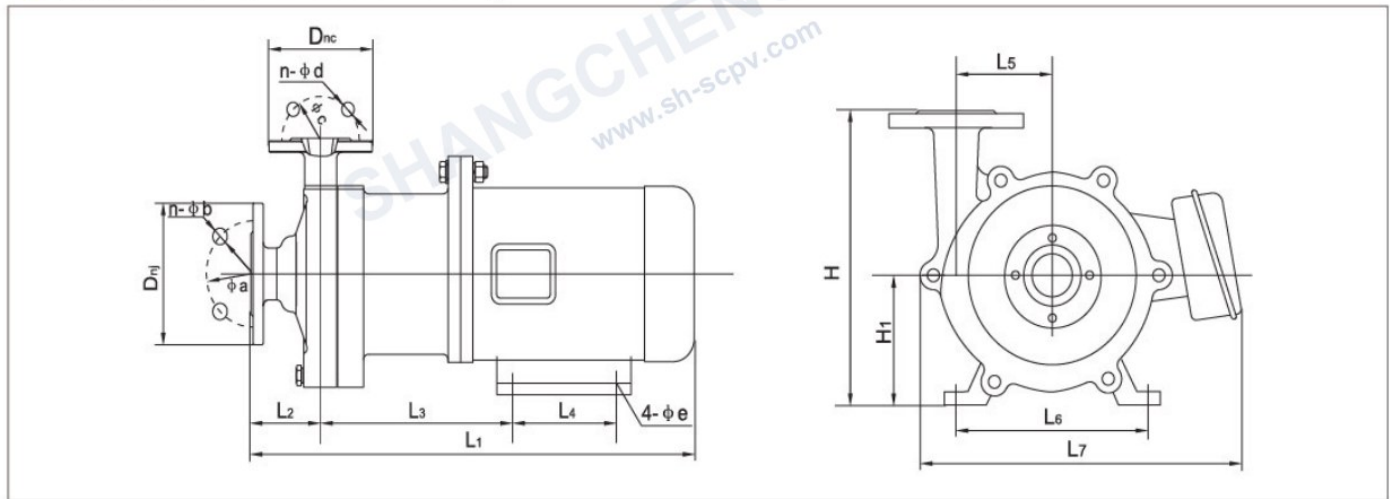
性能曲线图 Performance Curve



性能参数表 Performance Parameters

Type 泵型号	口径 Caliber (mm) 进口 Inlet 出口 Outlet		Q $\frac{m^3}{h}$ Capacity 流量	Head (m) 扬程	(NPSH) _r (m) 汽蚀余量	Power kw 电机功率	rpm speed 转速	Voltage (V) 电压
40CQ-20	40	32	10.8	20	4.0	2.2	2800	380
40CQ-32	40	32	12	30	4.0	4.0	2800	380
50CQ-25	50	40	14.4	25	4.0	4.0	2800	380

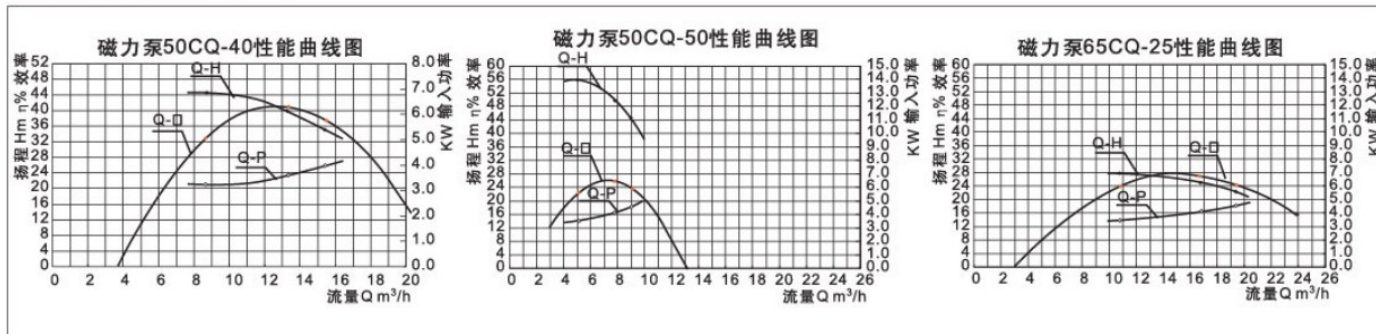
安装尺寸图 Installation Dimensions Drawing



安装尺寸表 Installation Dimensions

Type 泵型号	Dnj	a	n-φb	Dnc	c	n-φd	e	L1	L2	L3	L4	L5	L6	L7	H	H1
40CQ-20	130	100	4-φ14	120	90	4-φ14	10	545	74	239	125	85.5	140	290	260	90
40CQ-32	130	100	4-φ14	120	90	4-φ14	12	620	80	260	140	90	190	336	260	112
50CQ-25	140	110	4-φ14	130	100	4-φ14	12	620	80	260	140	90	190	336	260	112

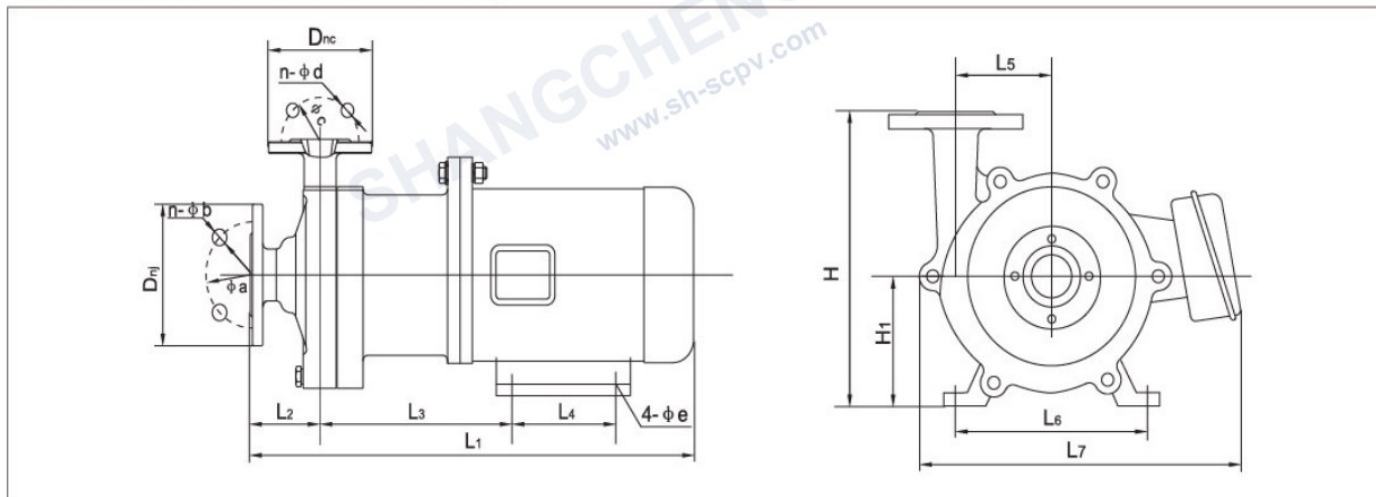
性能曲线图 Performance Curve



性能参数表 Performance Parameters

Type 泵型号	口径 Caliber (mm) 进口 Inlet 出口 Outlet		Q Capacity 流量	Head (m) 扬程	(NPSH)r (m) 汽蚀余量	Power kw 电机功率	rpm speed 转速	Voltage (V) 电压
50CQ-32	50	40	13.2	32	4.0	4.0	2800	380
50CQ-50	50	32	7.8	50	4.0	5.5	2800	380
65CQ-25	65	50	16.8	25	4.0	5.5	2800	380

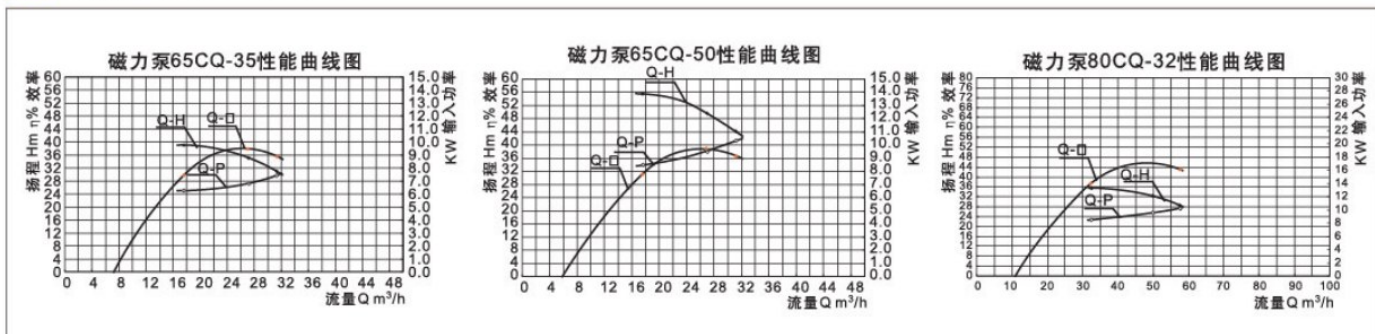
安装尺寸图 Installation Dimensions Drawing



安装尺寸表 Installation Dimensions

Type 泵型号	Dnj	a	n-φb	Dnc	c	n-φd	e	L1	L2	L3	L4	L5	L6	L7	H	H1
50CQ-32	140	110	4-φ14	130	100	4-φ14	12	620	80	260	140	90	190	336	260	112
50CQ-50	140	110	4-φ14	130	100	4-φ14	12	695	90	305	140	0	216	350	300	132
65CQ-25	160	130	4-φ14	140	110	4-φ14	12	695	90	305	140	90	216	350	300	132

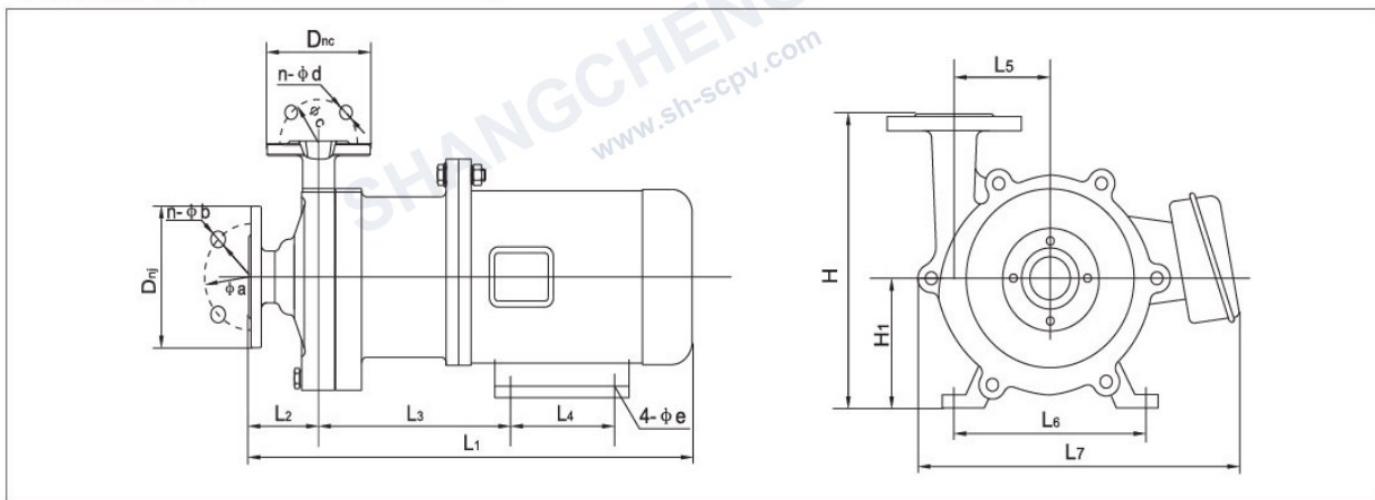
性能曲线图 Performance Curve



性能参数表 Performance Parameters

Type 泵型号	口径 Caliber (mm) 进口 Inlet 出口 Outlet		Q Capacity 流量	Head (m) 扬程	(NPSH)r (m) 汽蚀余量	Power kw 电机功率	Speed rpm 转速	Voltage (V) 电压
65CQ-32	65	50	27	32	4.0	7.5	2800	380
65CQ-50	65	40	27	50	4.0	11	2800	380
80CQ-32	80	65	50	32	4.0	11	2800	380

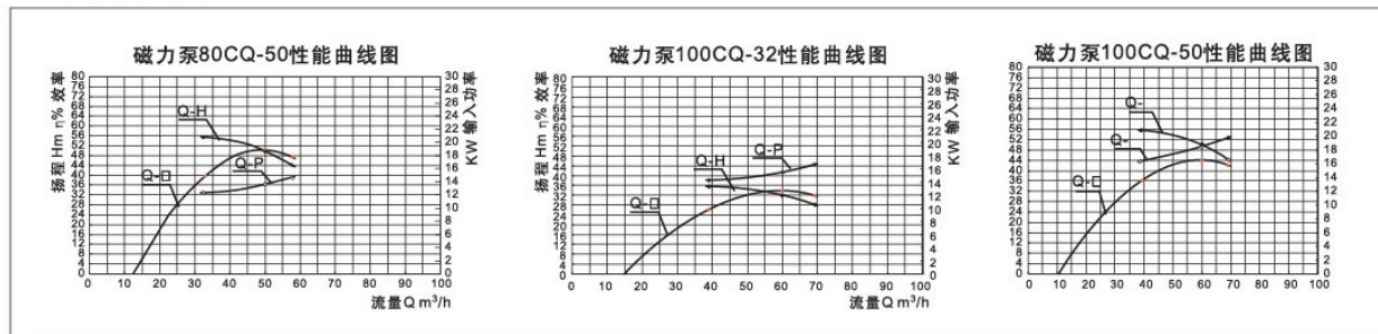
安装尺寸图 Installation Dimensions Drawing



安装尺寸表 Installation Dimensions

Type 泵型号	Dnj	a	n-φb	Dnc	c	n-φd	e	L1	L2	L3	L4	L5	L6	L7	H	H1
65CQ-32	160	130	4-φ14	140	110	4-φ18	12	700	69.5	303.5	140	0	216	350	292	132
65CQ-50	185	145	4-φ18	150	110	4-φ18	15	855	95.5	373.5	210	0	254	420	365	160
80CQ-32	200	160	4-φ18	185	145	4-φ18	15	855	92.5	376.5	210	0	254	400	335	160

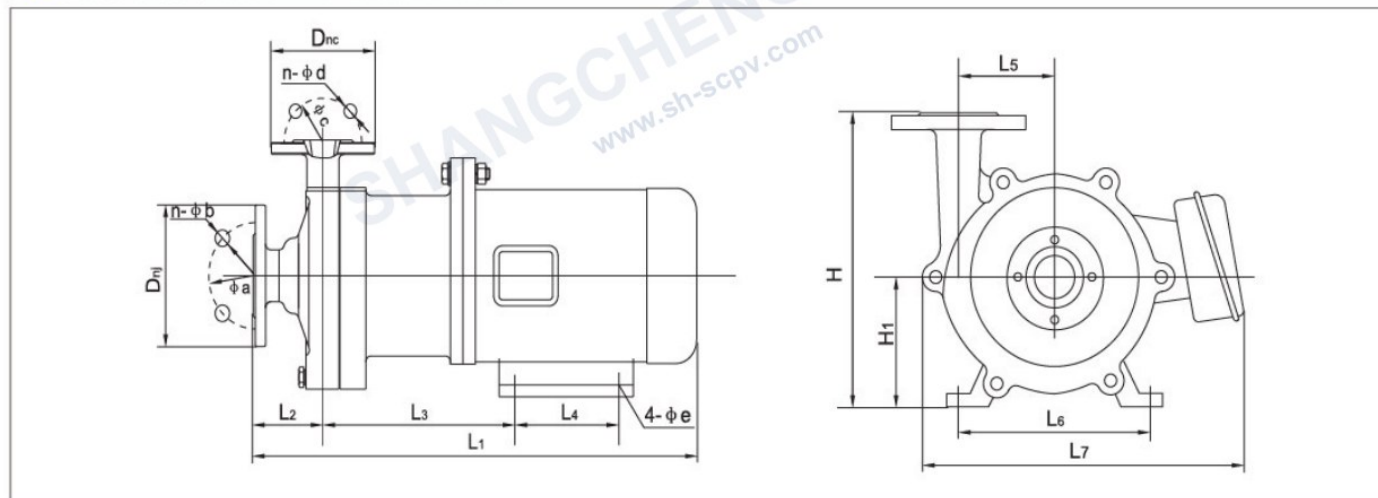
性能曲线图 Performance Curve



性能参数表 Performance Parameters

Type 泵型号	口径 Caliber (mm) 进口 Inlet 出口 Outlet		Q $\frac{m^3}{h}$ Capacity 流量	Head (m) 扬程	(NPSH)r (m) 汽蚀余量	Power kw 电机功率	rpm speed 转速	Voltage (V) 电压
80CQ-50	80	65	50	50	4.0	15	2800	380
100CQ-32	100	80	60	32	4.0	18.5	2800	380
100CQ-50	100	80	60	50	4.0	22	2800	380

安装尺寸图 Installation Dimensions Drawing



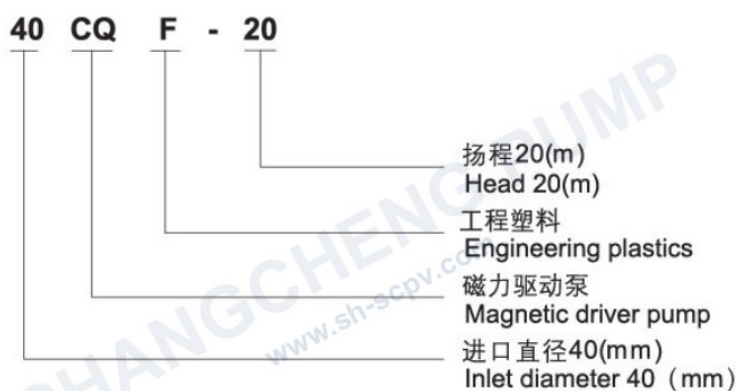
安装尺寸表 Installation Dimensions

Type 泵型号	Dnj	a	n-φb	Dnc	c	n-φd	e	L1	L2	L3	L4	L5	L6	L7	H	H1
80CQ-50	200	160	8-φ18	165	125	4-φ18	15	856	95.5	373.5	210		254	420	365	160
100CQ-32	220	180	4-φ18	200	160	4-φ18	15	855	92.5	376.5	254		254	400	335	180
100CQ-50	220	180	8-φ18	185	145	4-φ18	15	1650	145	405	241		279	520	415	180

► CQF型工程塑料磁力泵 CQF Engineering Plastics Magnetic Pumps



► 型号意义 Designation



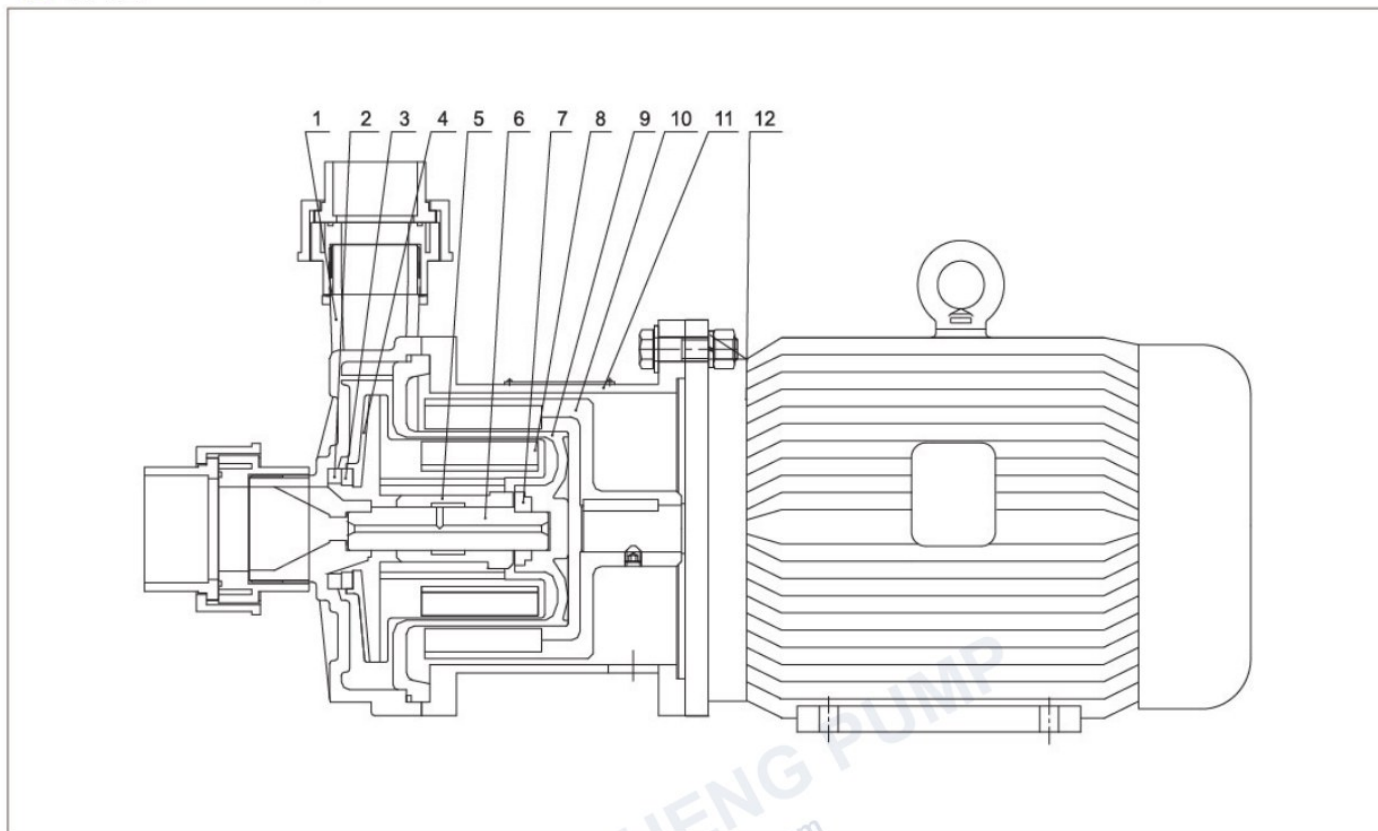
► 产品特点 Product Features

- CQF型产品以增强聚丙烯为主要材料，能耐大多数的有机和无机酸、碱和盐溶液，也适于在室外大气中暴露，对应力腐蚀破裂的抗蚀性良好。该泵零部件均为注塑成型，生产效率高，加工成本低。
- CQF pump is mainly made of reinforced polypropylene to perform resistance to most organic and inorganic acid Solution, alkali and hydrochloric. Applicable for exposed outdoors, this pump is provided with outstanding resistance to stress corrosion cracking. All components are injection moulded for high efficiency and low processing cost.

► 主要性能参数 Main Performance Parameters

- | | |
|---|---|
| • 过流部件材质: PP(增强聚丙烯) | • Material of wet parts: pp (reinforced polypropylene) |
| • 联接方式: 软管、活接、法兰 | • Connecting type; flexible tube, loose joint or flange |
| • 流量 Q: 0.9~27 m³/h | • Flow Q: 0.9~27m³/h |
| • 扬程 H: 3~35 m | • Head H: 3~35m |
| • 功率 N: 0.025~7.5 kw | • Power N: 0.025~7.5kW |
| • 介质的运动粘度: $\leq 30 \times 10^{-6} \text{m}^3/\text{s}$ | • Kinematic viscosity of medium: $\leq 30 \times 10^{-6} \text{m}^3/\text{s}$ |
| • 介质温度(t): 0~60℃ | • Medium temperature (t): 0~60℃ |

► **结构图** Structural Drawing



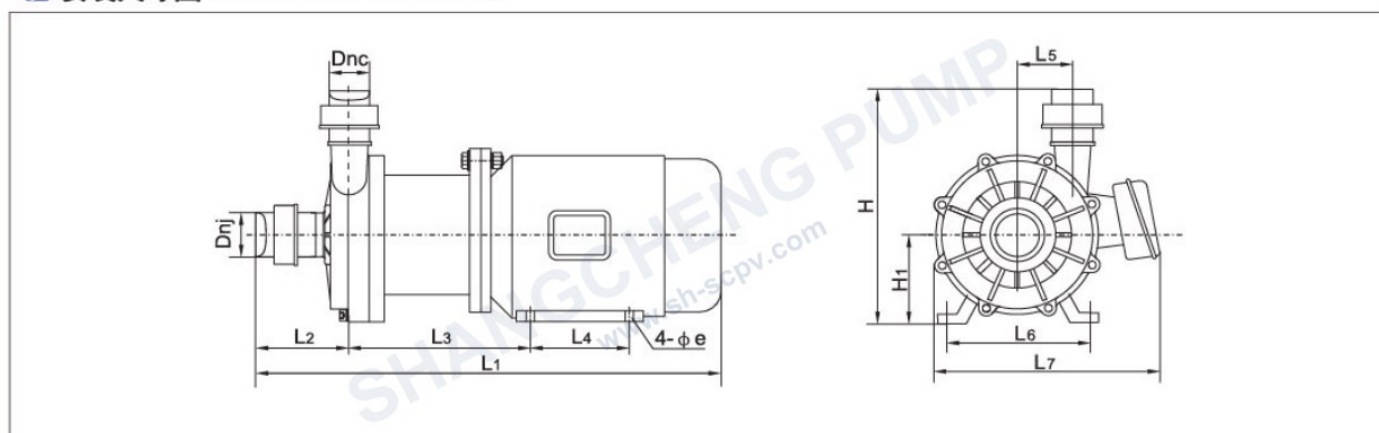
► **材料表** Material table

序号 No.	零件名称 Name of part	材质或型号 Material or model	序号 No.	零件名称 Name of part	材质或型号 Material or model
1	泵体 Pump body	PP	7	止推环 Reaction ring	陶瓷或氮化硅 Ceramic or nitrogen silicide
2	静环 Stationary ring	陶瓷或氮化硅 Ceramic or nitrogen silicide	8	内磁钢总成 Assembly of inner magnet steel	铁氧体 Ferrite
3	动环 Rotating ring	填充四氟 Packing PTFE	9	隔离套 Spacer sleeve	PP或PPS PP or PPS
4	叶轮 Impeller	PP	10	外磁钢总成 Assembly of outer magnet steel	铁氧体 Ferrite
5	轴套 Axle sleeve	填充四氟 Packing PTFE	11	联接架 Linkup stand	增强聚丙烯或HT200 Reinforced polypropylene or Ht200
6	泵轴 Pump shaft	陶瓷或氮化硅 Ceramic or nitrogen silicide	12	电机 Motor	Y Y2 或 YB Y(Y2) or YB

性能参数表 Performance Parameters

Type 泵型号	口径 Caliber (mm) 进口 Inlet 出口 Outlet		Q  m³/h Capacity 流量	Head (m) 扬程	(NPSH)r (m) 汽蚀余量	Power  kw 电机功率	 r/min 转速	Voltage (V) 电压
10CQF-3	10	8	0.9	3	7.8	0.025	2800	220
14CQF-5	14	10	1.2	5	7.0	0.12	2800	220/380
16CQF-8	16	10	1.8	8	6.0	0.18	2800	220/380
20CQF-12	20	15	3	12	6.0	0.37	2800	220/380
25CQF-15	25	20	6.6	15	5.0	1.1	2800	380
32CQF-15	32	25	6.6	15	6.0	1.1	2800	380
32CQF-25	32	25	4.8	25	5.5	1.1	2800	380
40CQF-20	40	32	10.8	20	3.5	2.2	2800	380
50CQF-32	50	40	12.5	32	3.5	4.0	2800	380

安装尺寸图 Installation Dimensions Drawing



安装尺寸表 Installation Dimensions

Type 泵型号	Dnj	Dnc	L1	L2	L3	L4	L5	L6	L7	e	H	H1
10CQF-3	16	15	200	40	60	50	25	68	75	6	100	45
14CQF-5	25	16	300	44	75	70	40	90	110	8	115	56
16CQF-8	25	16	305	44	110	70	40	90	110	8	136	56
20CQF-12	27	18	350	60	140	80	50	100	140	8	170	70
25CQF-15	32	25	490	110	180	100	60	125	235	10	250	80
32CQF-15	40	32	490	110	180	100	60	125	235	10	250	80
32CQF-25	40	32	500	120	185	100	70	125	255	10	270	80
40CQF-20	50	32	565	120	200	125	80	140	267	10	280	90
50CQF-32	65	50	650	130	240	140	80	190	280	12	350	112

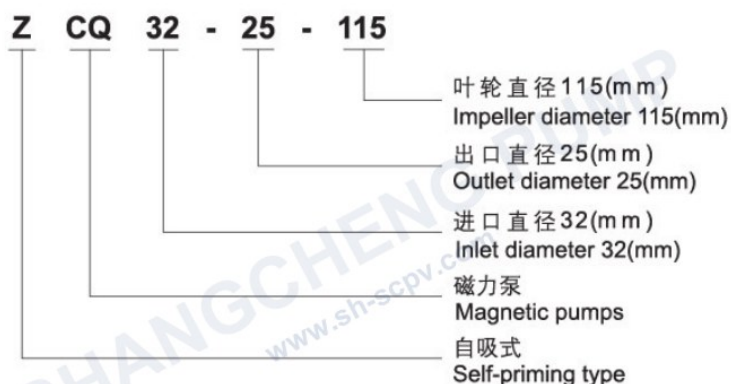
注：CQF性能曲线图同CQ。

Note: Performance curve of CQF is as same as CQ.

▶ ZCQ型自吸式磁力泵 ZCQ Self-Priming Magnetic Pumps



▶ 型号意义 Designation



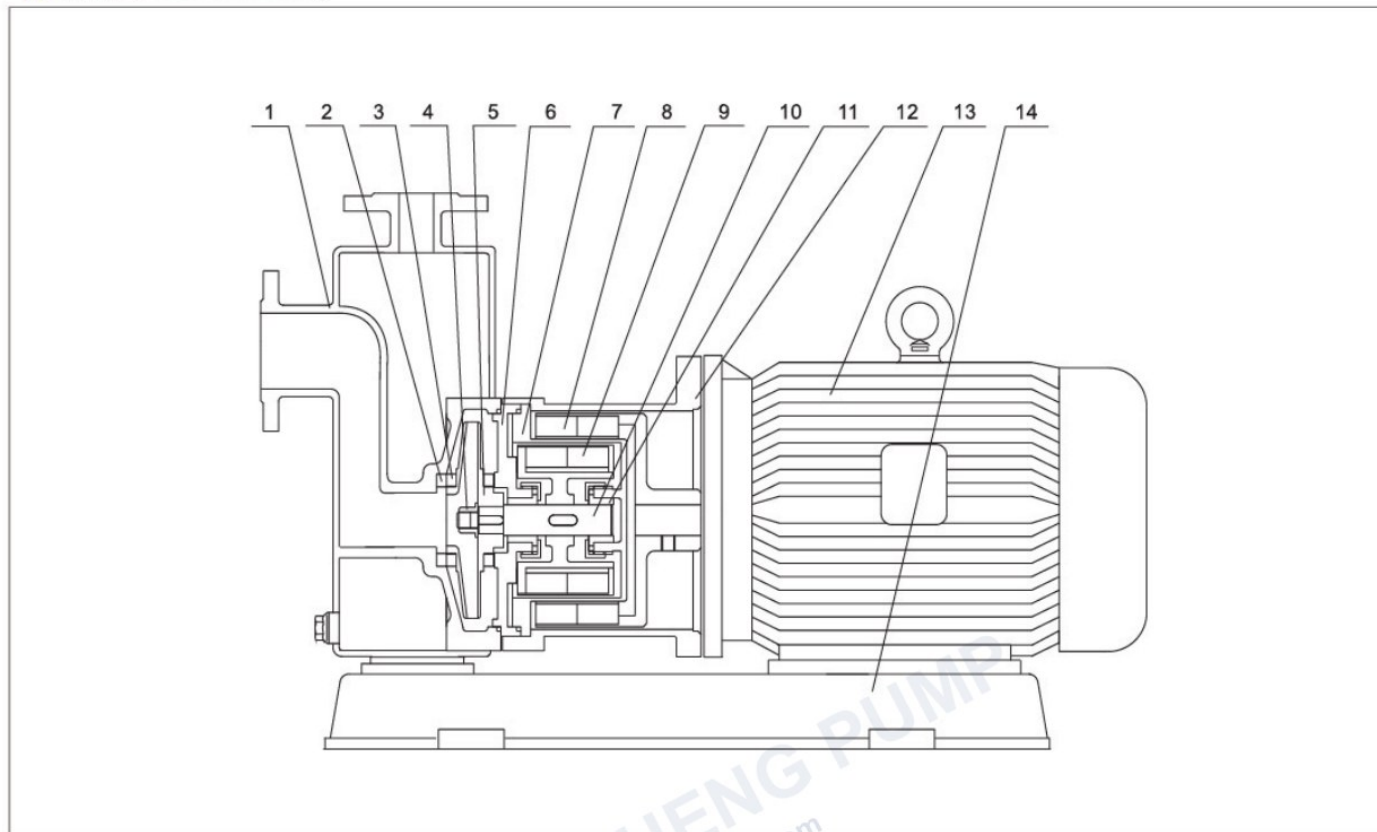
▶ 产品特点 Product Features

- 自吸泵顾名思义，就是泵起动前不需引灌水，经短时间运转，靠泵本身的作用，把水吸上来，投入正常运转。ZCQ型自吸式磁力泵，不但具有自吸功能，而且为磁力驱动结构，具有全密封、无泄漏的特点，是自动化远距离控制和流动使用的理想泵。
- Just as its name implies, self-priming pump doesn't need priming water before start. After a short time of running, water is absorbed by pump itself for normal operation. ZCQ self-priming magnetic pump is not only provided with self-priming function, but also of magnetism-driven structure. Featured by full seal and leak-tightness, it is an optimal pump for automated distant control and for floating uses.

▶ 主要性能参数 Main Performance Parameters

- | | |
|--|---|
| • 过流部件材质: 不锈钢(奥氏体) | • Material of Wet Parts: Stainless Steel (Austenite) |
| • 联接方式: 法兰 | • Connecting Type: Flange |
| • 流量 Q: 3 ~ 27 m ³ /h | • Flow Q: 3~27m ³ /h |
| • 扬程 H: 12 ~ 50 m | • Head H: 12~50m |
| • 功率 N: 0.37 ~ 7.5 kw | • Power N: 0.37~7.5kw |
| • 介质的运动粘度: < 30 × 10 ⁻⁶ m ³ /s | • Kinematic Viscosity of medium: ≤30×10 ⁻⁶ m ³ /s |
| • 介质温度(t): -20 ~ 100℃ | • Medium Temperature (t): -20~100℃ |

结构图 Structural Drawing



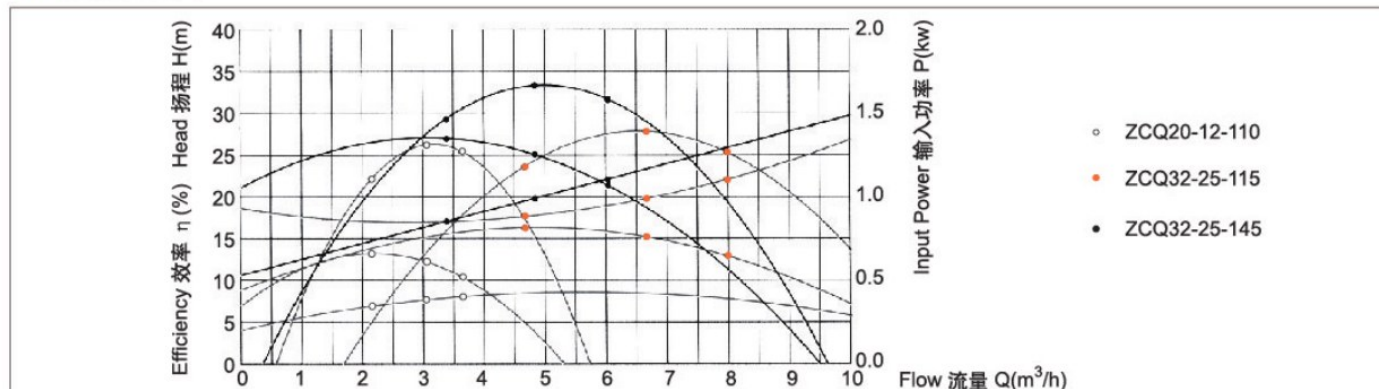
材料表 Material Table

序号 No.	零件名称 Name of part	材质或型号 Material or model	序号 No.	零件名称 Name of part	材质或型号 Material or model
1	泵体 Pump body	ZG1Cr18Ni9Ti	8	外磁钢总成 Assembly of outer magnet steel	铁氧体 Ferrite
2	静环 Stationary ring	陶瓷、氮化硅 Ceramic or nitrogen silicide	9	内磁钢总成 Assembly of inner magnet steel	铁氧体 Ferrite
3	动环 Rotating ring	填充四氟 Packing PTFE	10	泵轴 Pump shaft	1Cr18Ni9Ti
4	叶轮螺母 Impeller nut	1Cr18Ni9Ti	11	轴套 Axle sleeve	填充四氟 Packing PTFE
5	叶轮 Impeller	ZG1Cr18Ni9Ti	12	联接架 Linkup stand	HT200
6	隔板 Baffle	ZG1Cr18Ni9Ti	13	电机 Motor	Y(Y2)或 YB系列 Y(Y2) or YB
7	隔离套 Sealing ring	1Cr18Ni9Ti	14	底座 Base	HT200

用户可根据被输送介质的腐蚀性程度对泵的过流部分主要零件选用不同材料。泵的过流部分主要零件的材料及其代号如下：
main parts of flow-through parts may be different materials according to the corrosion extent of the medium to be delivered. The materials for main parts of pump flow-through parts and their codes are stated as following:

材料 material	ZG1Cr18Ni9	ZG1Cr18Ni9Ti	ZG0Cr18Ni12Mo2Ti	ZG1Cr18Ni12Mo2Ti	ZG00Cr17Ni14Mo2	ZG1Cr18Mn13Mo2CuN
代号 No.	303	305	306	307	316L	402

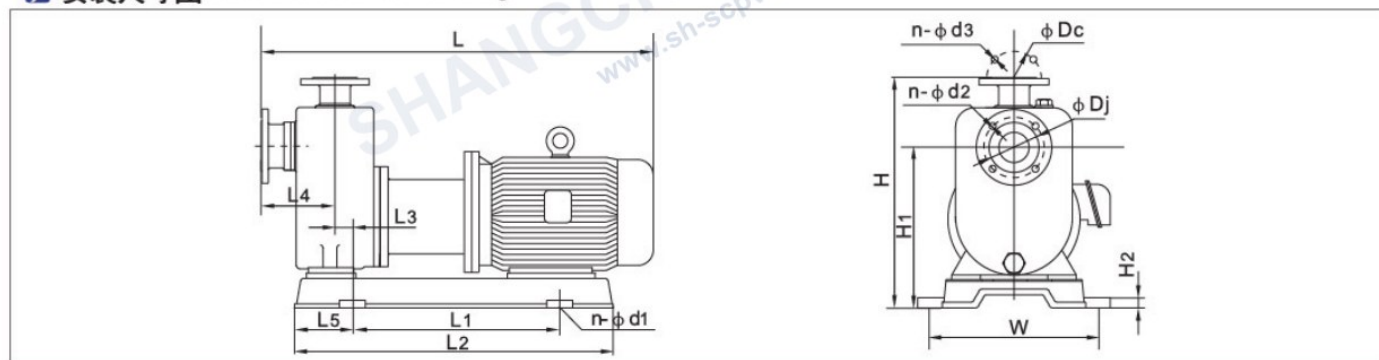
性能曲线图 Performance Curve



性能参数表 Performance Parameters

Type 泵型号	口径 Caliber (mm) 进口 Inlet 出口 Outlet		Q m^3/h Capacity 流量	Head (m) 扬程	(NPSH)r (m) 汽蚀余量	Power kw 电机功率	rpm speed 转速	Voltage (V) 电压
ZCQ20-12-110	20	12	3	12	6.0	0.37	2800	220/380
ZCQ25-20-115	25	20	5.4	15	6.0	1.1	2800	380
ZCQ32-25-115	32	25	4.8	15	6.0	1.1	2800	380
ZCQ32-25-145	32	25	4.8	25	5.5	1.1	2800	380
ZCQ40-32-132	40	32	10.8	20	4.0	2.2	2800	380
ZCQ40-32-160	40	32	12	32	4.0	4.0	2800	380
ZCQ50-40-145	50	40	14.4	25	4.0	4.0	2800	380

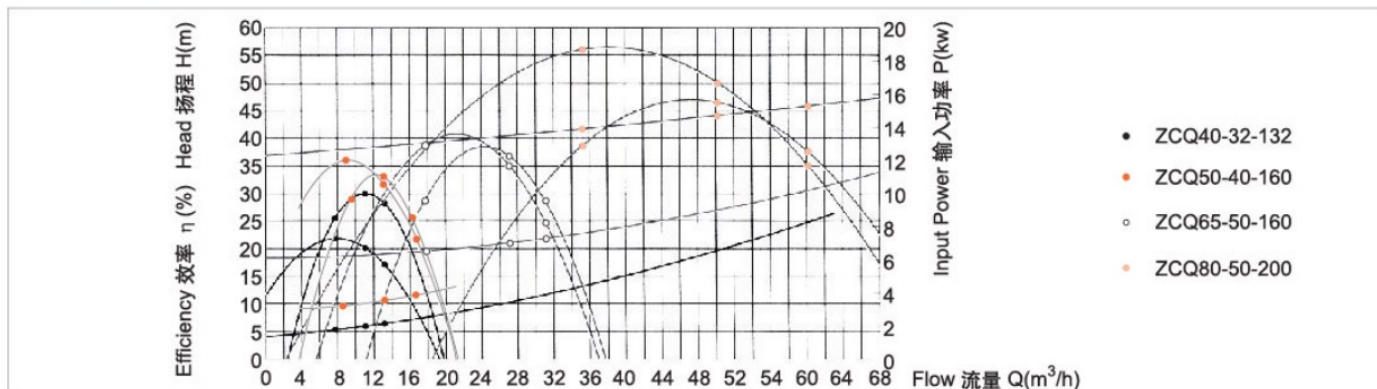
安装尺寸图 Installation Dimensions Drawing



安装尺寸表 Installation Dimensions

Type 泵型号	L	H	底盘 Chassis			进口法兰 Inlet flange		出口法兰 Outlet flange		H1	H2	L3	L4	L5
			L2	L1 × W	n-φ d1	Dj	n-φ d2	Dc	n-φ d3					
ZCQ20-12-110	410	320	325	215×200	4-12	65	4-12	55	4-12	230	20	-	85	55
ZCQ25-20-115	520	340	450	285×250	4-14	75	4-14	65	4-12	240	20	-	100	80
ZCQ32-25-115	520	340	450	285×250	4-14	90	4-14	75	4-12	240	20	-	100	80
ZCQ32-25-145	570	360	450	285×260	4-14	90	4-14	75	4-12	270	20	-	100	80
ZCQ40-32-132	620	370	510	350×280	4-14	100	4-14	90	4-11	270	20	10	110	80
ZCQ40-32-160	665	400	510	370×330	4-16	100	4-14	90	4-11	300	20	55	110	125
ZCQ50-40-145	660	400	510	370×330	4-16	110	4-14	100	4-14	270	20	55	110	70

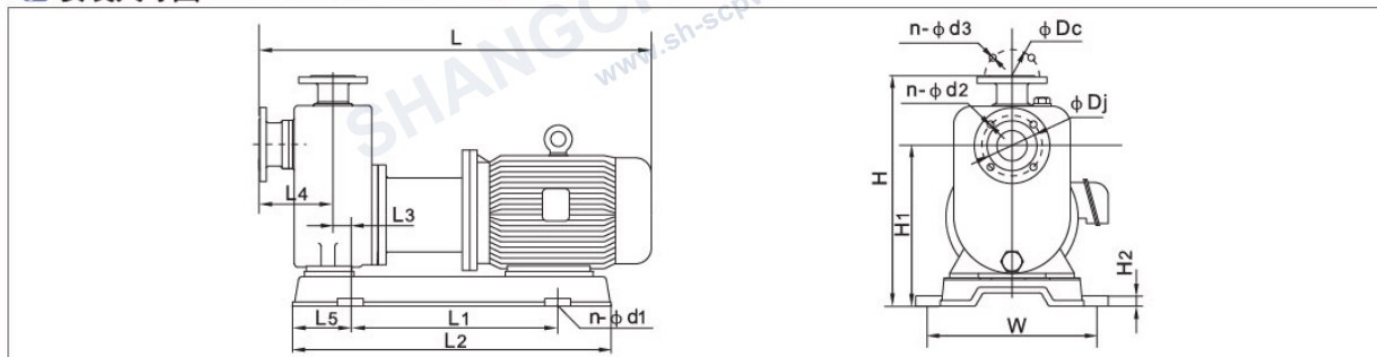
性能曲线图 Performance Curve



性能参数表 Performance Parameters

Type 泵型号	口径 Caliber (mm) 进口 Inlet 出口 Outlet		Q $\frac{m^3}{h}$ Capacity 流量	Head (m) 扬程	(NPSH)r (m) 汽蚀余量	Power kw 电机功率	rpm speed 转速	Voltage (V) 电压
ZCQ50-40-160	50	40	13.2	32	4.0	4.0	2800	380
ZCQ50-32-200	50	32	7.8	50	4.0	5.5	2800	380
ZCQ65-50-145	65	50	16.8	25	4.0	5.5	2800	380
ZCQ65-50-160	65	50	27	32	4.0	7.5	2800	380
ZCQ80-65-125	80	65	50	20	4.0	7.5	2800	380
ZCQ80-65-160	80	65	50	32	4.0	15	2800	380
ZCQ80-50-200	80	50	50	50	4.0	18.5	2800	380

安装尺寸图 Installation Dimensions Drawing



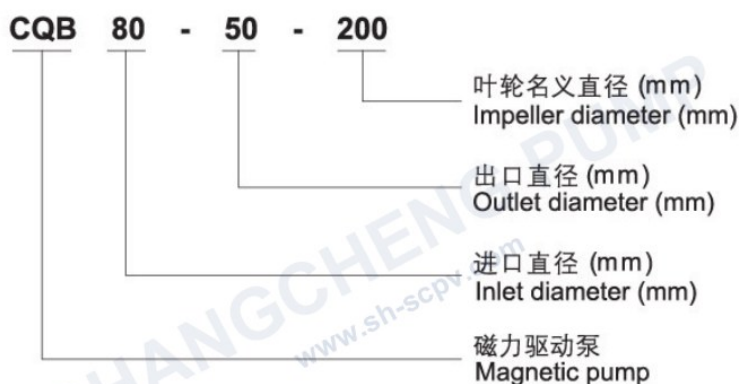
安装尺寸表 Installation Dimensions

Type 泵型号	L	H	底盘 Chassis			进口法兰 Inlet flange		出口法兰 Outlet flange		H1	H2	L3	L4	L5
			L2	L1 × W	n-φ d1	Dj	n-φ d2	Dc	n-φ d3					
ZCQ50-40-160	685	400	560	370×330	4-16	110	4-14	100	4-14	300	20	55	110	125
ZCQ50-32-200	830	550	600	355×355	4-16	110	4-14	90	4-14	450	20	60	110	125
ZCQ65-50-145	760	430	600	355×355	4-16	130	4-14	110	4-14	310	20	60	120	125
ZCQ65-50-160	810	480	600	355×355	4-16	130	4-14	110	4-14	340	20	60	110	125
ZCQ80-65-125	960	630	600	520×316	4-14	160	4-18	145	4-18	446	20	60	200	230
ZCQ80-65-160	1060	630	750	610×400	4-16	160	4-18	145	4-18	446	20	80	200	230
ZCQ80-50-200	1090	680	750	610×400	4-16	160	4-18	125	4-18	470	20	80	200	230

▶ CQB型磁力驱动泵 CQB Magnetic Drive Pumps



▶ 型号意义 Designation



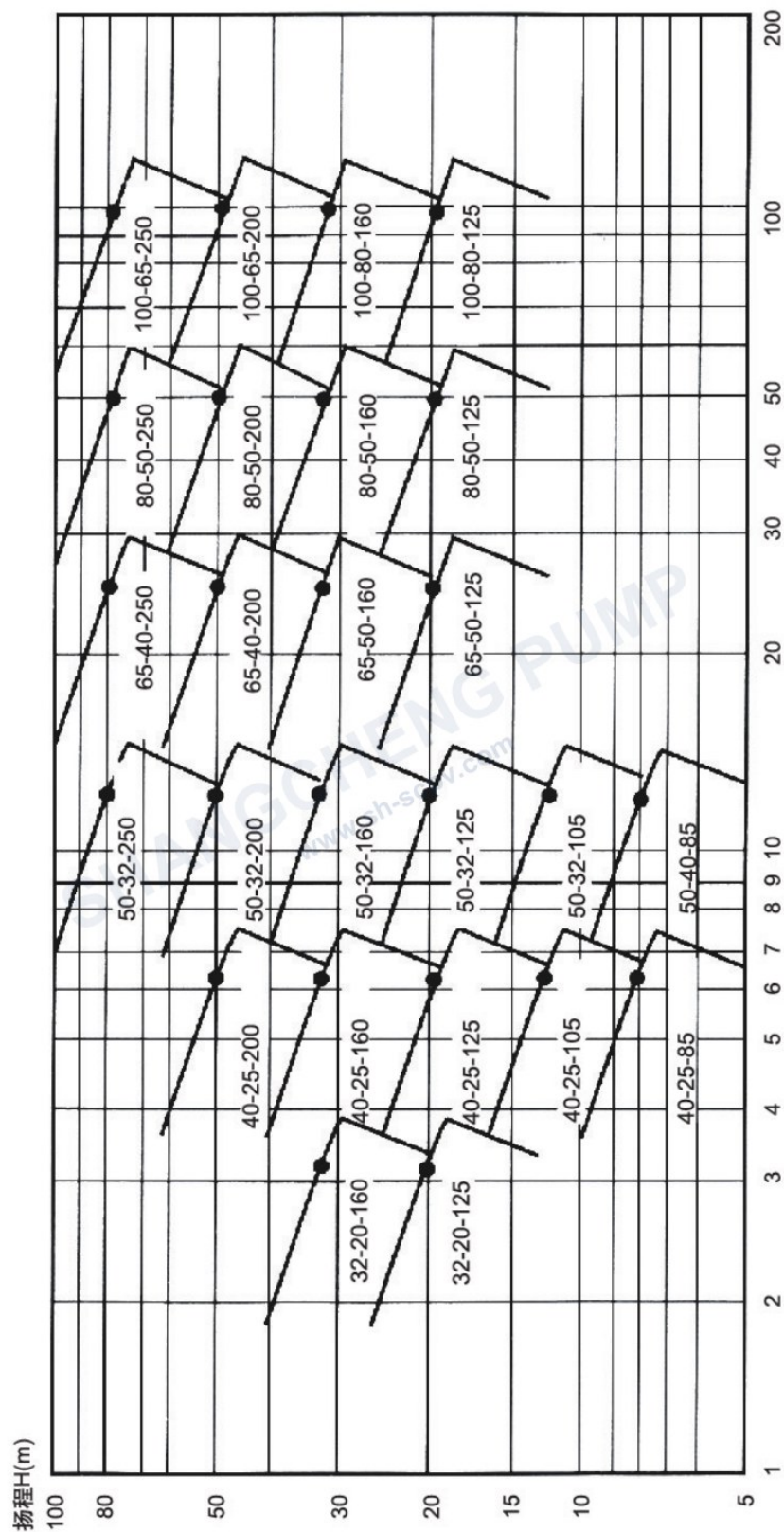
▶ 产品特点 Product Features

- 该泵过流部份采用全不锈钢材料, 对有机酸, 有机化合物, 碱、中性溶液和多种气体都有良好的耐蚀性, 双螺旋槽碳石墨轴承和硬质合金轴套的磨合, 具有较强的耐磨性, 保证了产品的寿命, 是无泄漏输送腐蚀性介质的理想泵。
- The wet parts of this pump are made of full stainless steel material to perform outstanding corrosion resistance to organic acid, organic compound, alkali, neutral solution and a great many of gases. double helix carbon Curvite bearing and hard alloy bearing are provided with good abrasion-resisting property to ensure the service life of product. it is an optimal pump for handling corrosive mediums without leakage.

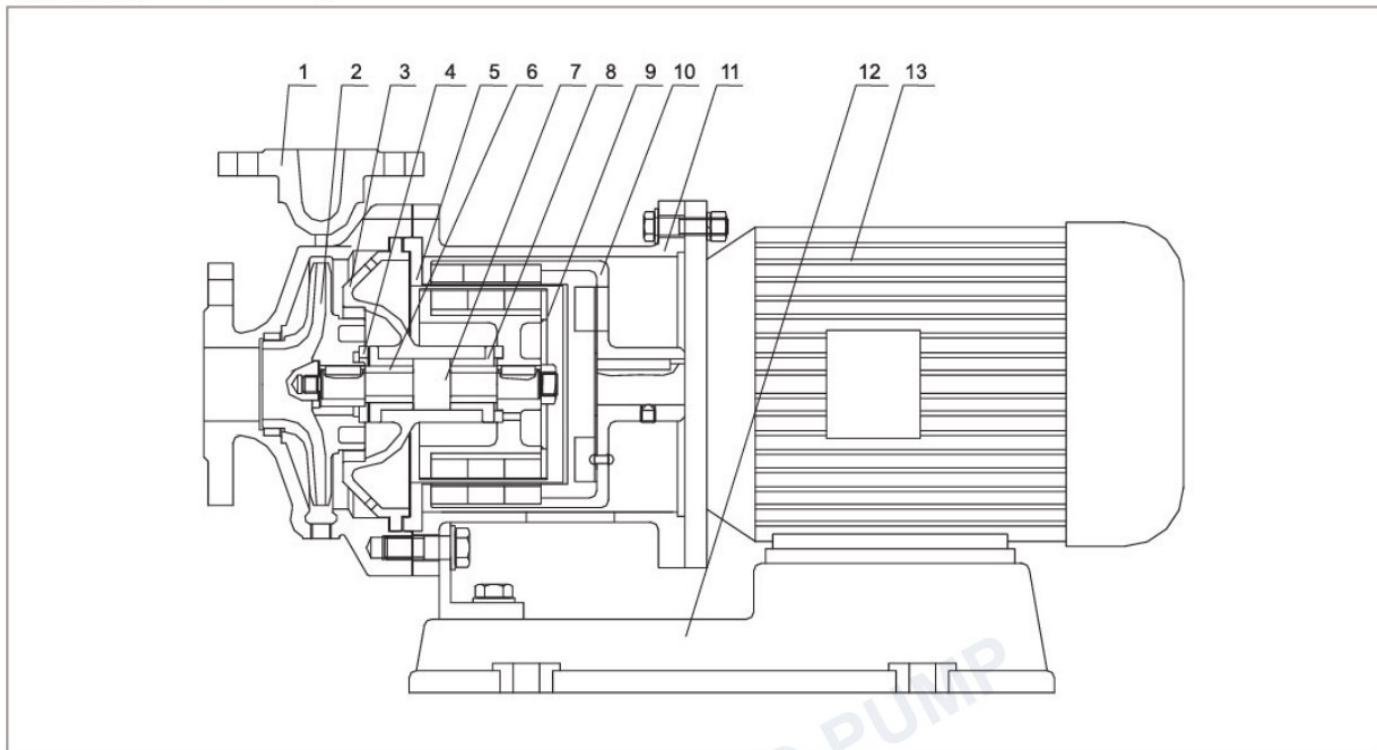
▶ 主要性能参数 Main Performance Parameters

- | | |
|--|--|
| 过流部件材质: 不锈钢(奥氏体) | Material of wet parts: stainless steel (austenite) |
| 联接方式: 法兰、管子 | Connecting types: flange and pipe. |
| 流量 Q: 1.9~120 m ³ /h | Flow Q: 1.9~120m ³ /h |
| 扬程 H: 20~80 m | Head H: 20~80m |
| 功率 N: 0.75~75 kw | Power N: 0.75~75kw |
| 介质的运动粘度: < 30 × 10 ⁻⁶ m ³ /s | Kinematic viscosity of medium: ≤ 30 × 10 ⁻⁶ m ³ /s |
| 介质温度(t): -20~100℃ | Medium temperature (t): -20~100℃ |

型谱图 Hydraulic coverage



► **结构图** Structural Drawing



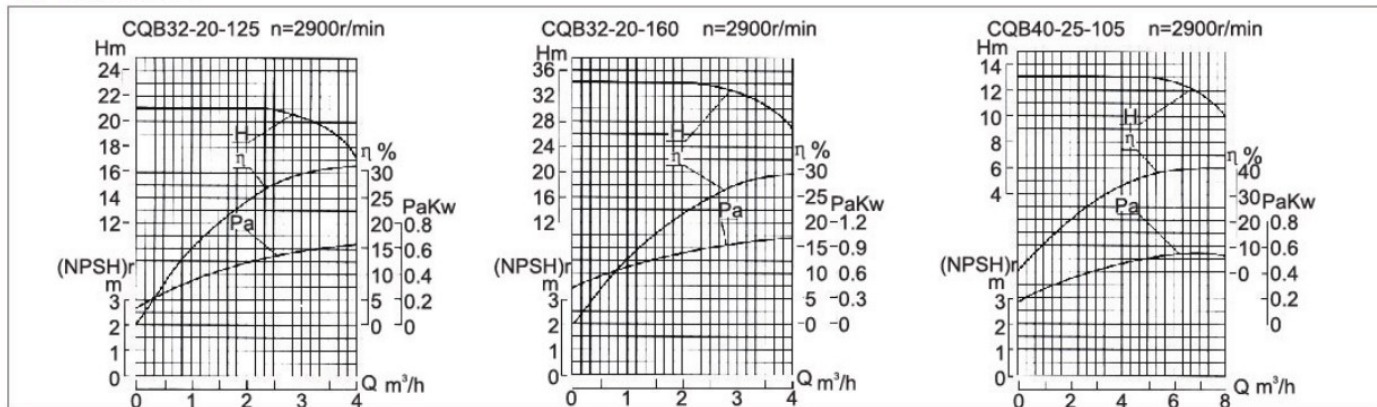
► **材料表** Material Table

序号 No.	零件名称 Name of part	材质或型号 Material or model	序号 No.	零件名称 Name of part	材质或型号 Material or model
1	泵体 Pump body	ZG1Cr18Ni9Ti	8	轴承 Bearing	M106K
2	叶轮 Impeller	ZG1Cr18Ni9Ti	9	内磁钢总成 Assembly of inner magnet steel	钕铁硼N33SH NdFeB N33SH
3	轴承体 Bearing body	ZG1Cr18Ni9Ti	10	外磁钢总成 Assembly of outer magnet steel	钕铁硼N33SH NdFeB N33SH
4	止推环 Reaction ring	YG8	11	联接架 Linkup stand	HT200
5	隔离套 Sealing ring	1Cr18Ni9Ti	12	底座 Base	HT200
6	轴套 Axle sleeve	YG8	13	电机 Motor	Y Y2 or YB系列 Y(Y2) or YB Series
7	泵轴 Pump shaft	1Cr18Ni9Ti			

用户可根据被输送介质的腐蚀性程度对泵的过流部分主要零件选用不同材料。泵的过流部分主要零件的材料及其代号如下：
main parts of flow-through parts may be different materials according to the corrosion extent of the medium to be delivered. The materials for main parts of pump flow-through parts and their codes are stated as following:

材料 material	ZG1Cr18Ni9	ZG1Cr18Ni9Ti	ZG0Cr18Ni12Mo2Ti	ZG1Cr18Ni12Mo2Ti	ZG00Cr17Ni14Mo2	ZG1Cr18Mn13Mo2CuN
代号 No.	303	305	306	307	316L	402

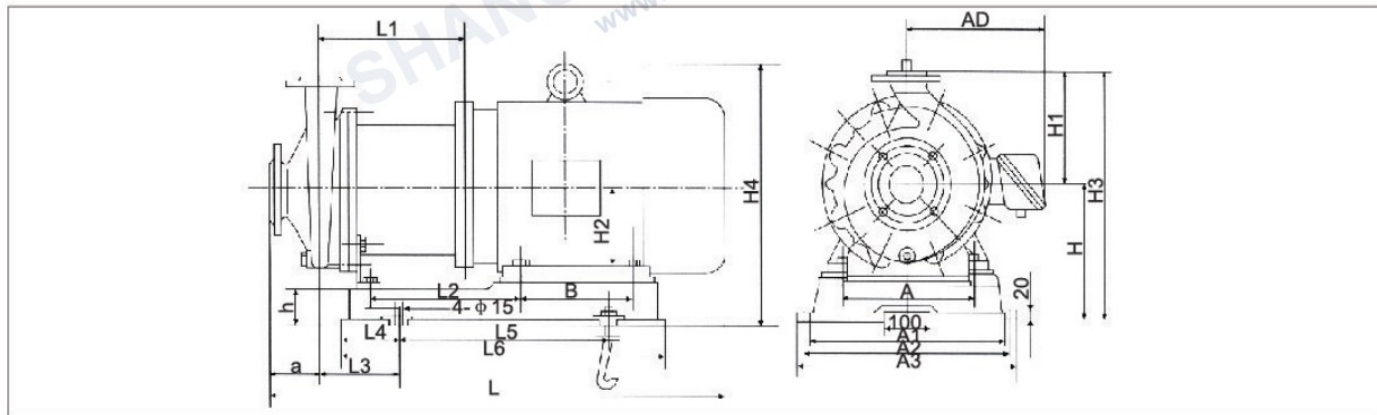
性能曲线图 Performance Curve



性能参数表 Performance Parameters

Type	Q $\frac{m^3}{h}$ Capacity	Head (m) 扬程	(NPSH)r (m) 汽蚀余量	n/min speed 转速	Power $\frac{kw}{kw}$ 轴功率	Efficiency η 效率	配带电机功率 Power kw 介质密度 Medium density $\frac{g}{cm^3}$		
泵型号	流量	扬程	汽蚀余量	转速	轴功率	效率	≤ 1	≤ 1.3	≤ 1.84
32-20-125	1.9	20	5.0	2900	0.49	23	Y _B 801-2 0.75	Y _B 802-2 1.1	Y _B 90S-2 1.5
	3.2	20			0.58	30			
	3.8	18.5			0.62	31			
32-20-160	1.9	34	3.5	2900	0.84	21	Y _B 802-2 1.1	Y _B 90S-2 1.5	Y _B 90L-2 2.2
	3.2	32			0.99	28			
	3.8	29			1.03	29			
40-25-105	3.8	13	6.0	2900	0.42	32	Y _B 801-2 0.75	Y _B 802-2 1.1	Y _B 90S-2 1.5
	6.3	12.5			0.55	39			
	7.5	11			0.56	40			

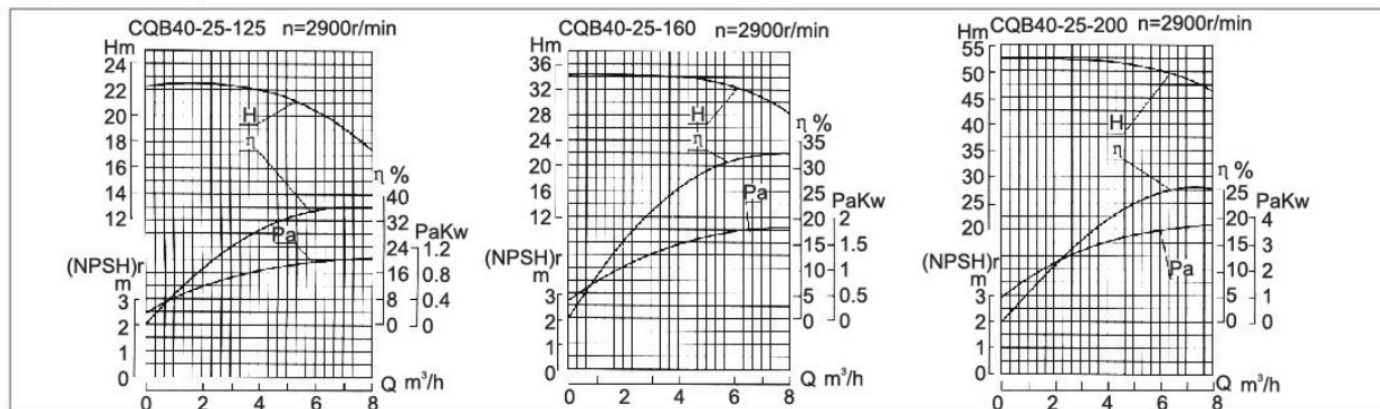
安装尺寸图 Installation Dimensions Drawing



安装尺寸表 Installation Dimensions

Type	A	AD	B	L	L1	H1	H2	a	A1	A2	A3	H	H3	H4	L2	L3	L4	L5	L6	h
泵型号																				
32-20-125	125	150	100	458	133	120	90	65												
32-20-160	140	155	100	483	143	160	115	65												
40-25-105	125	150	100	458	133	120	90	65												

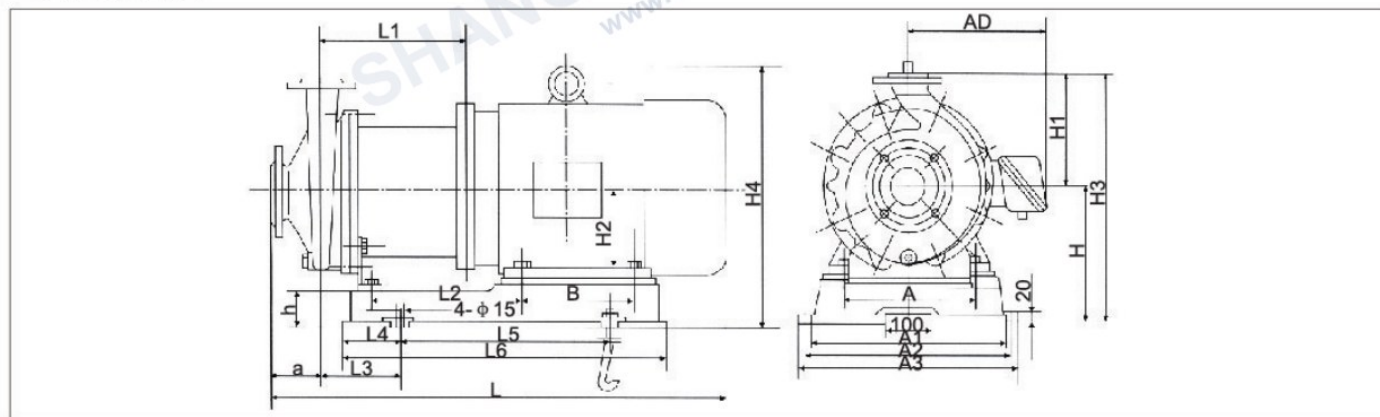
► 性能曲线图 Performance Curve



► 性能参数表 Performance Parameters

Type	Q  m³/h Capacity	Head (m) 扬程	(NPSH)r (m) 汽蚀余量	 min speed	Power  kw 轴功率	 % Efficiency	配带电机功率 Power kw 介质密度 Medium density g/cm³		
泵型号	流量	扬程	汽蚀余量	转速	轴功率	效率	≤1	≤1.3	≤1.84
40-25-125	3.8	22	5.0	2900	0.81	28	Y _{YB} 802-2 1.1	Y _{YB} 90L-2 2.2	Y _{YB} 100L-2 3.0
	6.3	20			0.98	35			
	7.5	18.5			1.05	36			
40-25-160	3.8	34	3.5	2900	1.41	25	Y _{YB} 90L-2 2.2	Y _{YB} 100L-2 3.0	Y _{YB} 112M-2 4.0
	6.3	32			1.72	32			
	7.5	29			1.79	33			
40-25-200	3.8	52.5	3.5	2900	3.02	18	Y _{YB} 112M-2 4.0	Y _{YB} 132S1-2 5.5	Y _{YB} 132S2-2 7.5
	6.3	50			3.43	25			
	7.5	48			3.77	26			

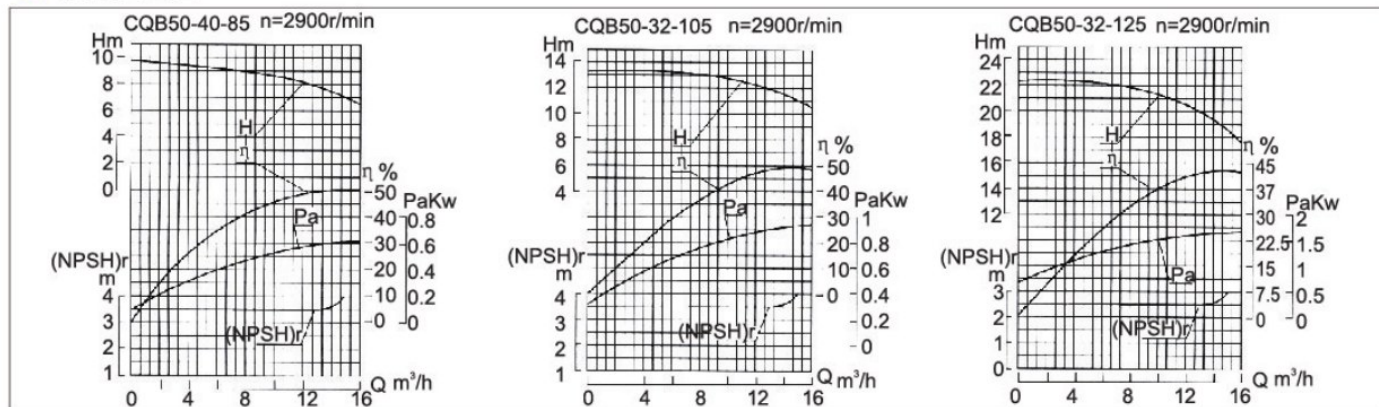
► 安装尺寸图 Installation Dimensions Drawing



► 安装尺寸表 Installation Dimensions

Type	A	AD	B	L	L1	H1	H2	a	A1	A2	A3	H	H3	H4	L2	L3	L4	L5	L6	h
泵型号																				
40-25-125	140	155	125	508	143	160	112	65												
40-25-160	160	180	140	633	233	160	112	80	300	330	360	210	370	355	190	140	80	270	430	50
40-25-200	216	210	140	728	253	160	132	80	350	380	410	230	390	413	236	140	80	320	480	50

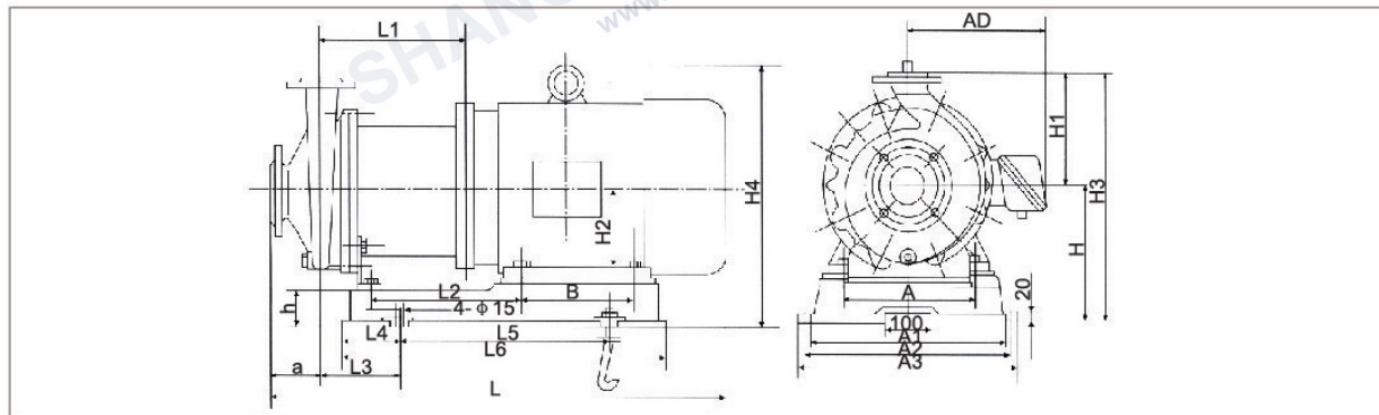
性能曲线图 Performance Curve



性能参数表 Performance Parameters

Type	Q $\frac{m^3}{h}$ Capacity	Head (m) 扬程	(NPSH)r (m) 汽蚀余量	rpm speed	Power $\frac{kW}{h}$ 轴功率	Efficiency η 效率	配带电机功率 Power $\frac{kW}{h}$ 介质密度 Medium density $\frac{g}{cm^3}$		
泵型号	流量	扬程	汽蚀余量	转速	轴功率	效率	≤ 1	≤ 1.3	≤ 1.84
50-40-85	7.5	9	3.5	2900	0.46	40	Y 801-2	Y 802-2	Y 90S-2
	12.5	8	3.5		0.56	49	YB 0.75	YB 1.1	YB 1.5
	15	7.5	4.0		0.61	50			
50-32-105	7.5	13	3.5	2900	0.76	35	Y 802-2	Y 90S-2	Y 90L-2
	12.5	12.5	3.5		0.91	47	YB 1.1	YB 1.5	YB 2.2
	15	11	4.0		0.94	48			
50-32-125	7.5	22	3.5	2900	1.49	30	Y 90L-2	Y 100L-2	Y 112M-2
	12.5	20	3.5		1.62	42	YB 2.2	YB 3.0	YB 4.0
	15	18.5	4.0		1.63	43			

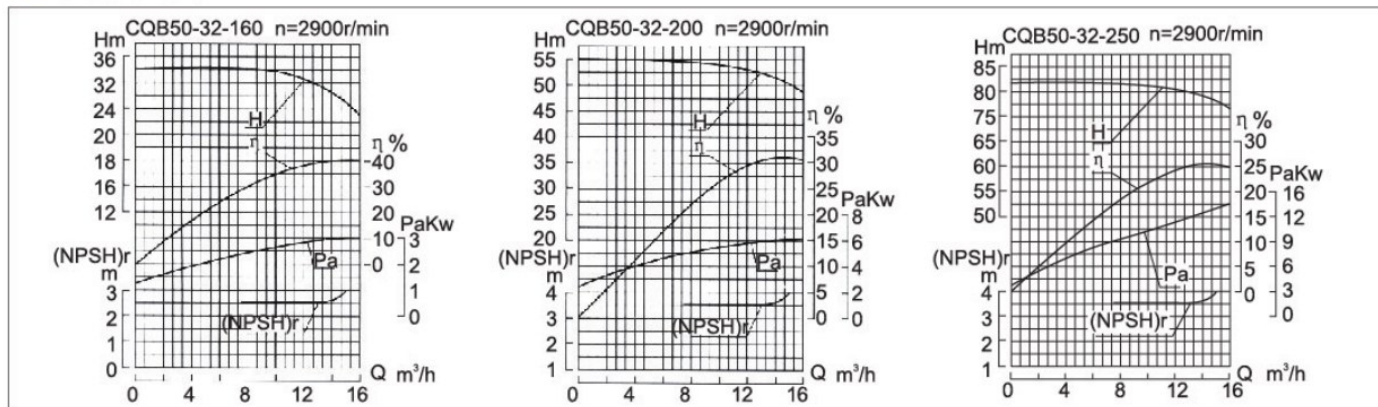
安装尺寸图 Installation Dimensions Drawing



安装尺寸表 Installation Dimensions

Type	A	AD	B	L	L1	H1	H2	a	A1	A2	A3	H	H3	H4	L2	L3	L4	L5	L6	h
泵型号																				
50-40-85	125	150	100	458	133	120	90	80												
50-32-105	140	155	125	508	143	160	112	80												
50-32-125	160	180	140	633	233	160	112	80	300	330	360	210	370	355	190	140	80	270	430	50

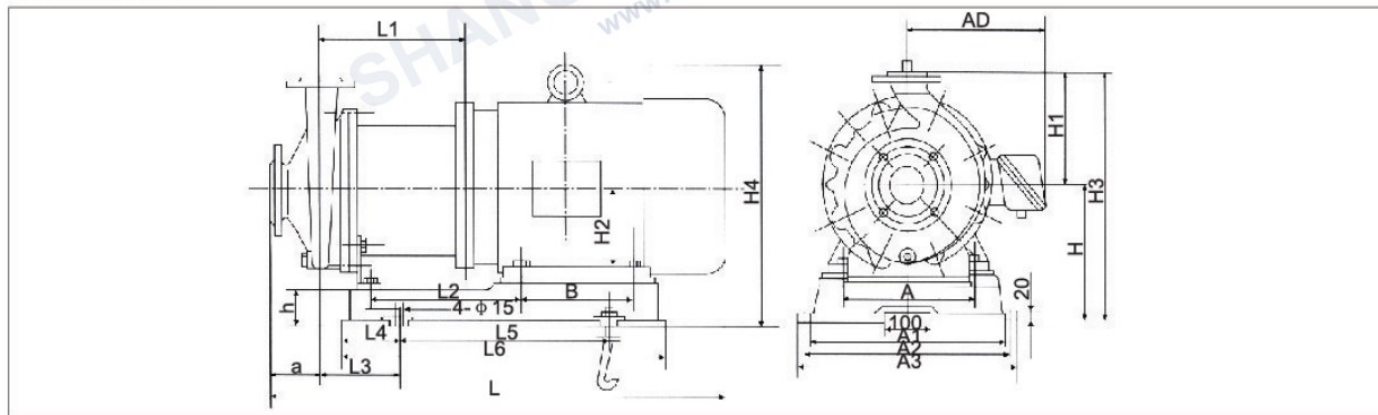
性能曲线图 Performance Curve



性能参数表 Performance Parameters

Type	Q m³/h Capacity	Head (m) 扬程	(NPSH)r (m) 汽蚀余量	rpm speed 转速	Power kw 轴功率	Efficiency % 效率	配带电机功率 Power kw 介质密度 Medium density g/cm³		
泵型号	流量	扬程	汽蚀余量	转速	轴功率	效率	≤1	≤1.3	≤1.84
50-32-160	7.5	34	3.5	2900	2.48	28	Y 100L-2	Y 112M-2	Y 132S1-2
	12.5	32	3.5		2.79	39	YB 3.0	YB 4.0	YB 5.5
	15	29	4.0		2.96	40			
50-32-200	7.5	52.5	3.5	2900	5.10	21	Y 132S2-2	Y 132S2-2	Y 160M1-2
	12.5	50	3.5		5.49	31	YB 7.5	YB 7.5	YB 11
	15	48	4.0		6.13	32			
50-32-250	7.5	82	3.5	2900	9.57	17.5	Y 160M2-2	Y 160L-2	Y 180M-2
	12.5	80	3.5		10.89	25	YB 15	YB 18.5	YB 22
	15	78.5	4.0		13.32	26			

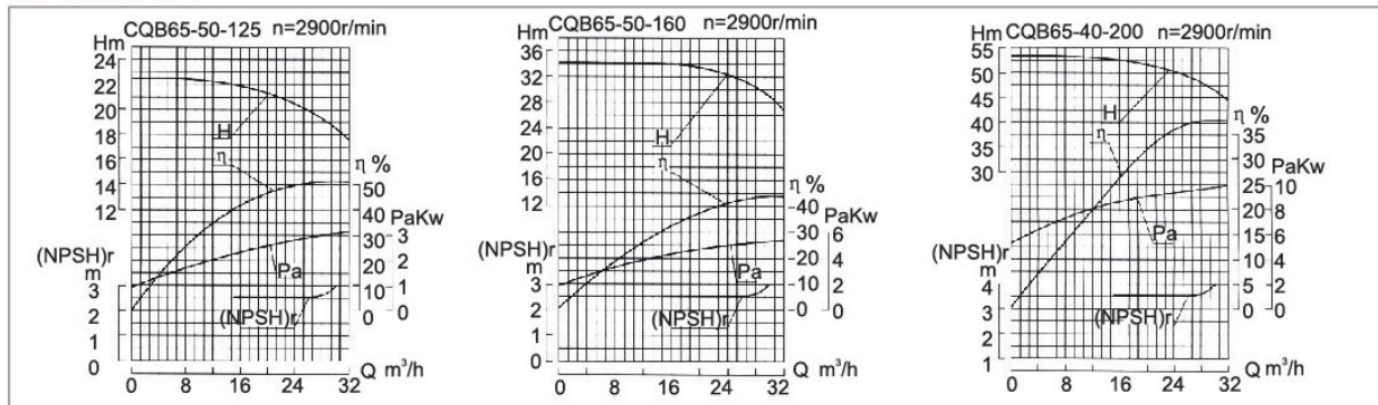
安装尺寸图 Installation Dimensions Drawing



安装尺寸表 Installation Dimensions

Type	A	AD	B	L	L1	H1	H2	a	A1	A2	A3	H	H3	H4	L2	L3	L4	L5	L6	h
泵型号																				
50-32-160	190	190	140	653	233	160	112	80	300	330	360	210	370	363	197	140	80	270	430	50
50-32-200	216	210	140	728	253	180	132	80	350	380	410	230	410	413	236	140	80	320	480	50
50-32-250	254	255	210	898	308	225	160	100	380	410	440	260	485	485	308	161	120	440	680	80

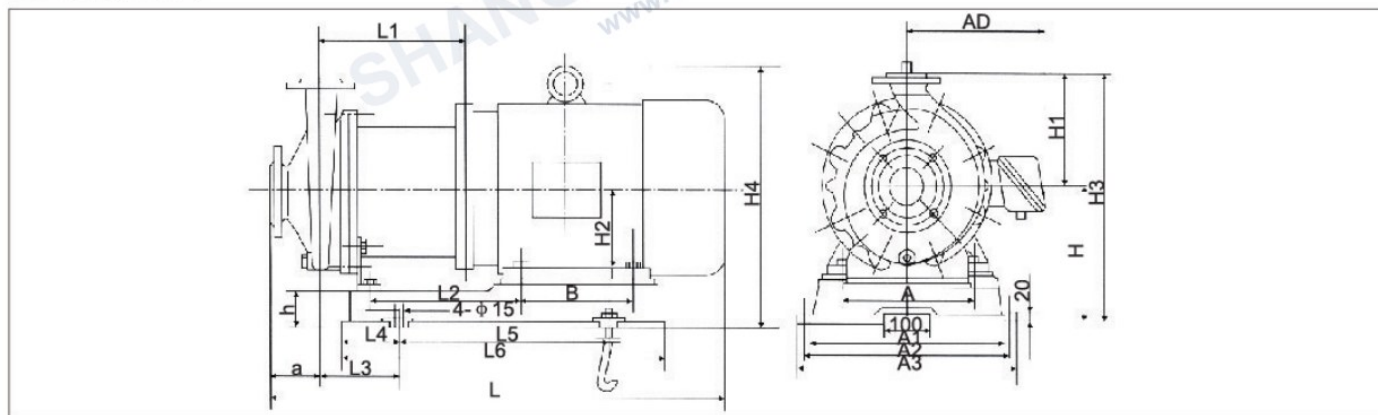
► 性能曲线图 Performance Curve



► 性能参数表 Performance Parameters

Type	Q $\frac{m^3}{h}$ Capacity	Head (m) 扬程	(NPSH) _r (m) 汽蚀余量	rpm speed	Power $\frac{kW}{h}$ 轴功率	Efficiency η 效率	配带电机功率 Power $\frac{kW}{h}$ 介质密度 Medium density $\frac{g}{cm^3}$		
泵型号	流量	扬程	汽蚀余量	转速	轴功率	效率	≤1	≤1.3	≤1.84
65-50-125	15	22	3.5	2900	2.25	40	Y _B 100L-2	Y _B 112M-2	Y _B 132S1-2
	25	20	3.5		2.67	51	3.0	4.0	5.5
	30	18.5	4.0		2.91	52			
65-50-160	15	34	3.5	2900	4.34	32	Y _B 132S1-2	Y _B 132S2-2	Y _B 160M1-2
	25	32	3.5		5.07	43	5.5	7.5	11
	30	29.5	4.0		5.48	44			
65-40-200	15	53	3.5	2900	8.66	25	Y _B 160M1-2	Y _B 160M2-2	Y _B 160L-2
	25	50	3.5		9.20	37	11	15	18.5
	30	47	4.0		10.1	38			

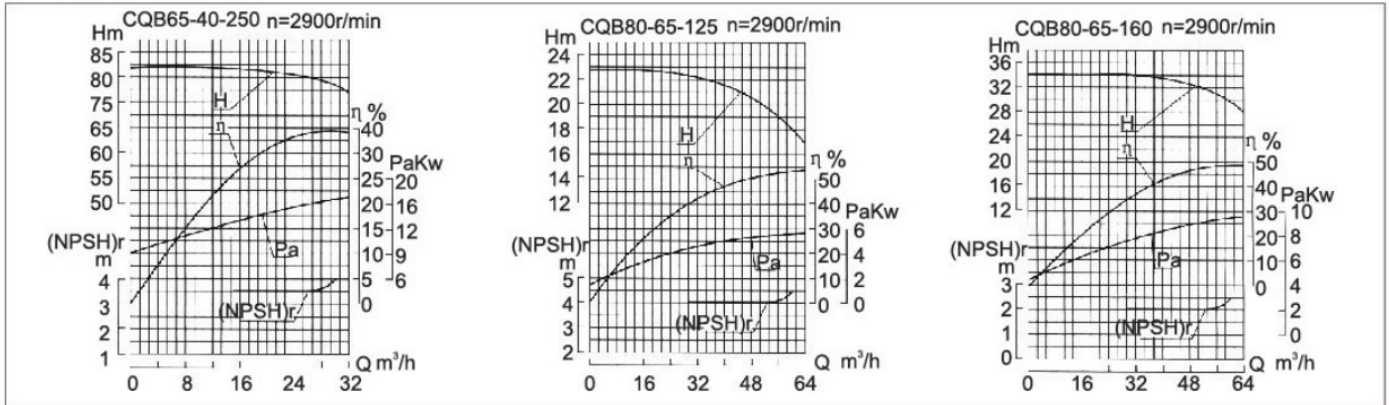
► 安装尺寸图 Installation Dimensions Drawing



► 安装尺寸表 Installation Dimensions

Type	A	AD	B	L	L1	H1	H2	a	A1	A2	A3	H	H3	H4	L2	L3	L4	L5	L6	h
泵型号																				
65-50-125	216	210	140	728	253	160	132	80	350	380	410	230	390	413	236	140	80	320	480	50
65-50-160	216	210	140	728	253	160	132	80	350	380	410	230	390	413	236	140	80	320	480	50
65-40-200	254	255	210	898	308	180	160	100	380	410	440	260	440	485	308	161	120	440	680	80

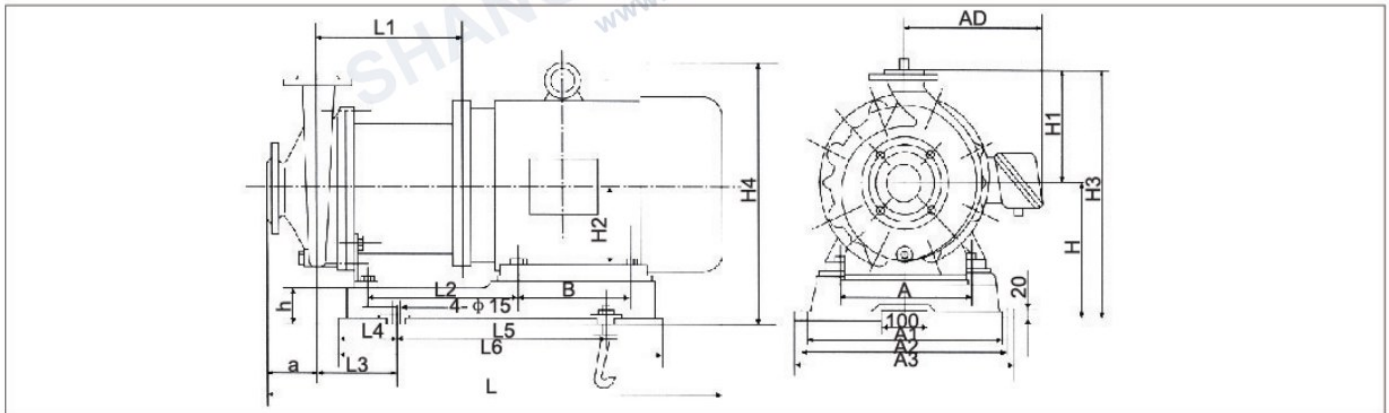
性能曲线图 Performance Curve



性能参数表 Performance Parameters

Type	Q m^3/h Capacity 流量	Head (m) 扬程	(NPSH)r (m) 汽蚀余量	Speed (r/min) 转速	Power (kw) 轴功率	Efficiency (%) 效率	配带电机功率 Power kw 介质密度 Medium density g/cm^3		
泵型号							≤ 1	≤ 1.3	≤ 1.84
65-40-250	15	82	3.5	2900	13.4	25	YB160L-2 18.5	YB180M-2 22	YB200L1-2 30
	25	80	3.5		14.72	37			
	30	78.5	4.0		16.88	38			
80-65-125	30	22.5	4.0	2900	4.48	41	YB132S1-2 5.5	YB132S2-2 7.5	YB160M1-2 11
	50	20	4.0		5.24	52			
	60	18	4.5		5.55	53			
80-65-160	30	34	4.0	2900	7.72	36	YB160M1-2 11	YB160M2-2 15	YB160L-2 18.5
	50	32	4.0		9.08	48			
	60	29	4.5		9.67	49			

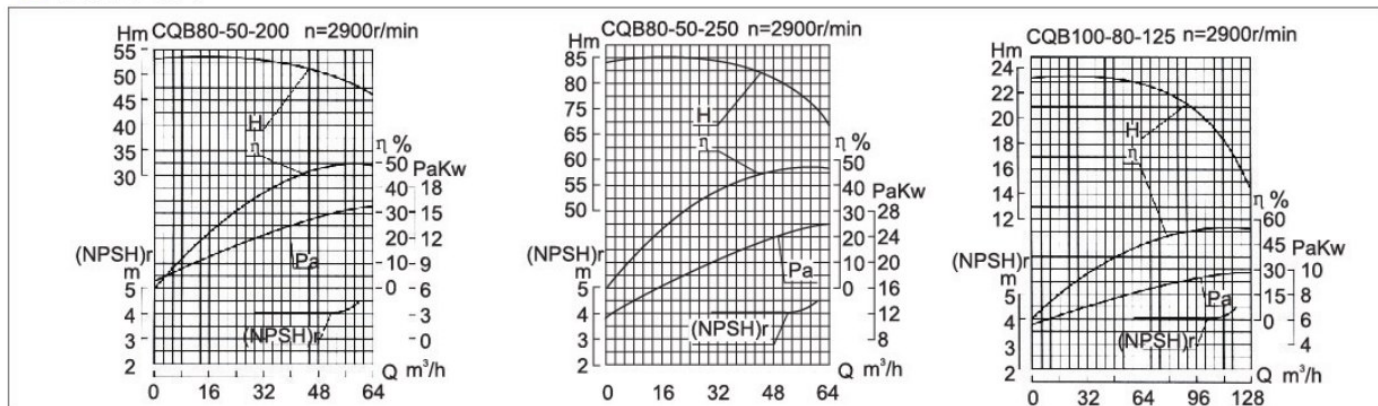
安装尺寸图 Installation Dimensions Drawing



安装尺寸表 Installation Dimensions

Type	A	AD	B	L	L1	H1	H2	a	A1	A2	A3	H	H3	H4	L2	L3	L4	L5	L6	h
泵型号																				
65-45-250	279	285	241	968	308	225	180	100	380	410	440	280	505	530	321	161	120	440	680	80
80-65-125	216	210	140	728	253	160	132	80	350	380	410	230	390	413	236	140	80	320	480	50
80-65-160	254	255	210	898	297	180	160	100	380	410	440	260	440	485	308	161	120	440	680	80

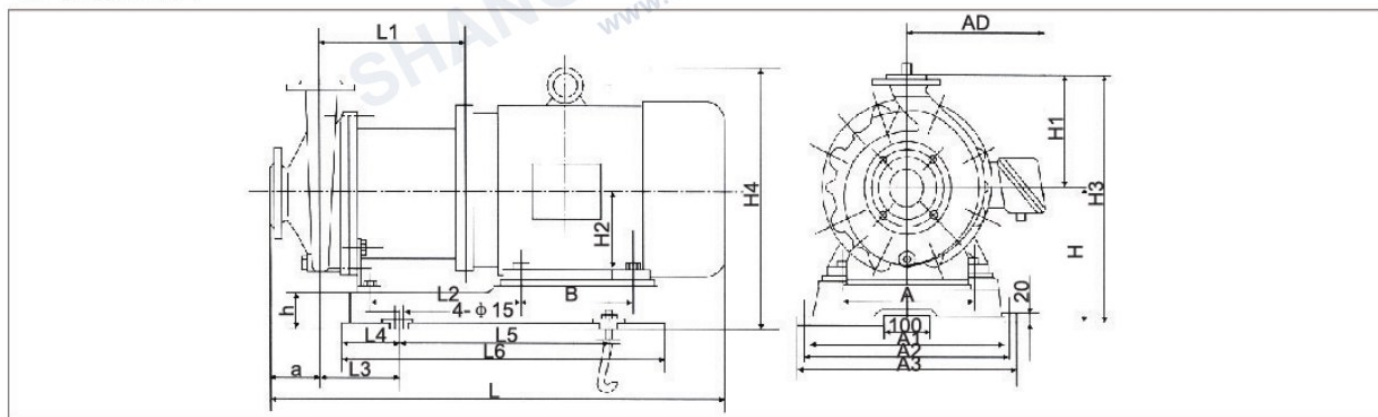
► 性能曲线图 Performance Curve



► 性能参数表 Performance Parameters

Type	Q m^3/h Capacity	Head (m) 扬程	(NPSH)r (m) 汽蚀余量	rpm speed	Power kw 轴功率	Efficiency % 效率	配带电机功率 Power kw 介质密度 Medium density g/cm^3		
泵型号	流量	扬程	汽蚀余量	转速	轴功率	效率	≤ 1	≤ 1.3	≤ 1.84
80-50-200	30	53	4.0	2900	12.03	36	YB 160L-2	YB 180M-2	YB 200L1-2
	50	50	4.0		14.80	46	18.5	22	30
	60	47	4.5		16.34	47			
80-50-250	30	84	4.0	2900	19.06	36	YB 200L1-2	YB 220L2-2	YB 225M-2
	50	80	4.0		23.68	46	30	37	45
	60	75	4.5		26.07	47			
100-80-125	60	23	4.0	2900	8.35	45	YB 160M1-2	YB 160M2-2	YB 160L-2
	100	20	4.0		9.73	56	11	15	18.5
	120	16.5	4.5		9.46	57			

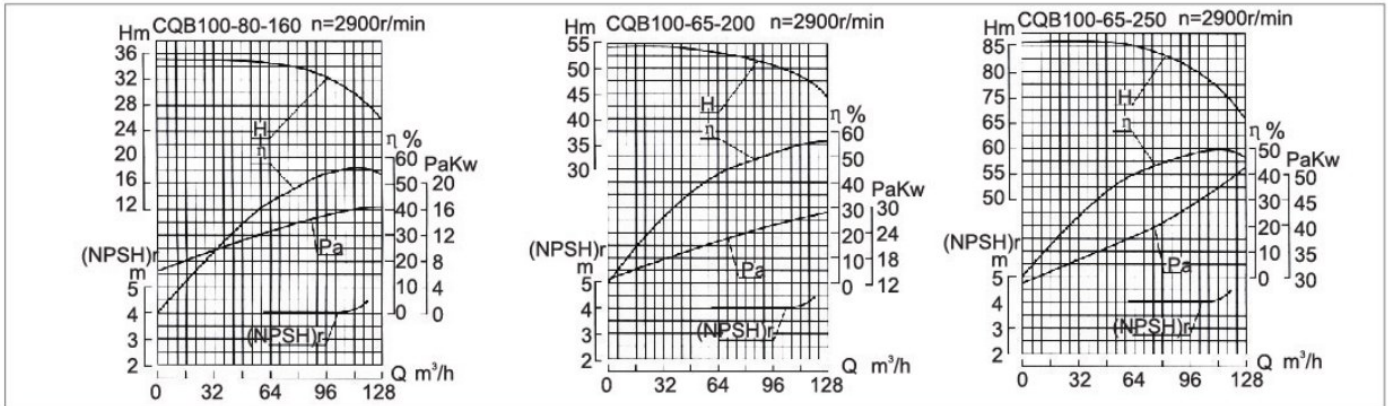
► 安装尺寸图 Installation Dimensions Drawing



► 安装尺寸表 Installation Dimensions

Type	A	AD	B	L	L1	H1	H2	a	A1	A2	A3	H	H3	H4	L2	L3	L4	L5	L6	h
泵型号																				
80-50-200	254	255	254	943	308	200	160	100	380	410	440	260	460	485	308	161	120	440	680	80
80-50-250	318	310	305	1108	318	225	200	125	470	500	530	300	525	575	333	171	120	520	760	100
100-80-125	254	255	210	898	308	180	160	100	380	410	440	260	440	485	308	161	120	440	680	80

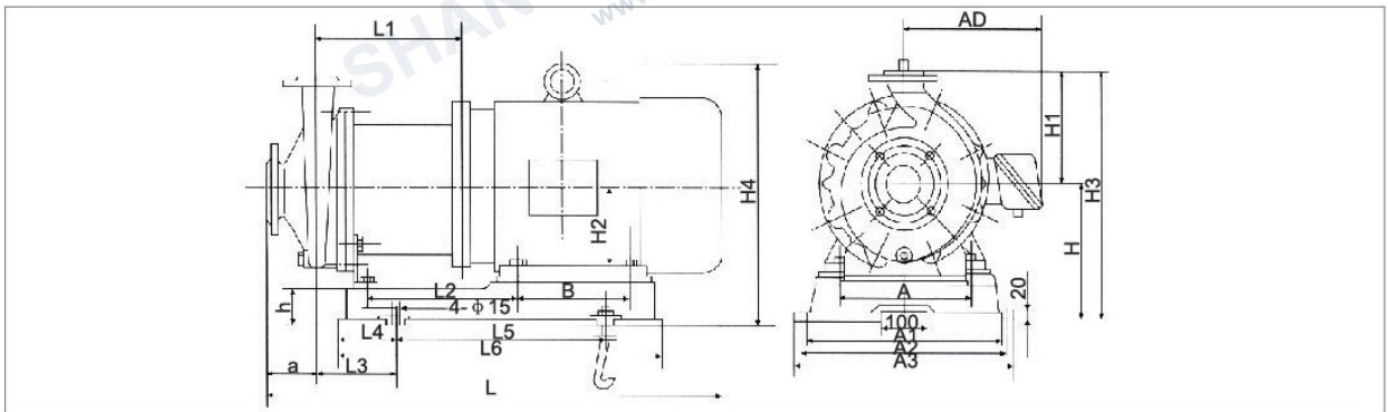
性能曲线图 Performance Curve



性能参数表 Performance Parameters

Type	Q $\frac{m^3}{h}$	Head (m)	(NPSH)r (m)	Speed (r/min)	Power (kw)	Efficiency (%)	配带电机功率 Power kw		
泵型号	流量	扬程	汽蚀余量	转速	轴功率	效率	介质密度 Medium density g/cm³		
							≤1	≤1.3	≤1.84
100-80-160	60	35	4.0	2900	12.43	46	Y 160L-2	Y 180M-2	Y 200L1-2
	100	32	4.0		15.85	55	YB 18.5	YB 22	YB 30
	120	28	4.5		16.34	56			
100-65-200	60	54	4.0	2900	21.01	42	Y 200L1-2	Y 220L2-2	Y 225M-2
	100	50	4.0		25.69	53	YB 30	YB 37	YB 45
	120	47	4.5		28.44	56			
100-65-250	60	86	4.0	2900	37.98	37	Y 225M-2	Y 250M-2	Y 280S-2
	100	80	4.0		45.39	48	YB 45	YB 55	YB 75
	120	74.5	4.5		49.69	49			

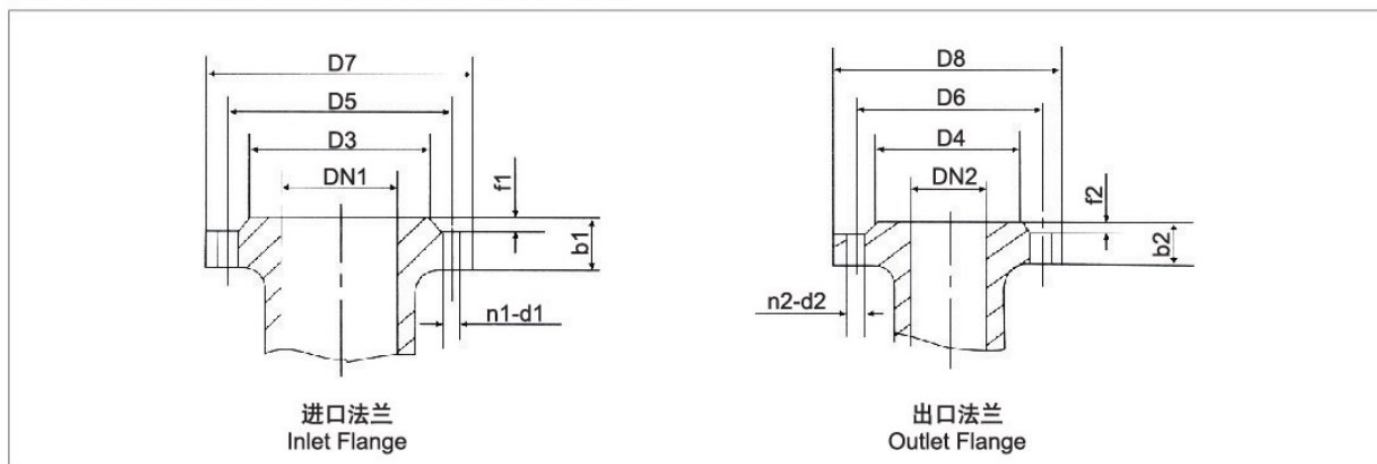
安装尺寸图 Installation Dimensions Drawing



安装尺寸表 Installation Dimensions

Type	A	AD	B	L	L1	H1	H2	a	A1	A2	A3	H	H3	H4	L2	L3	L4	L5	L6	h
泵型号																				
100-80-160	254	255	254	943	308	200	160	100	380	410	440	260	460	485	308	161	120	440	680	80
100-65-200	318	310	305	1083	318	225	180	100	470	500	530	300	525	575	333	171	120	520	760	100
100-65-250	356	310	311	1108	318	250	200	125	470	500	530	300	550	575	330	171	120	520	760	100

▶ **法兰安装尺寸图** Flange Installation Dimensions Drawing

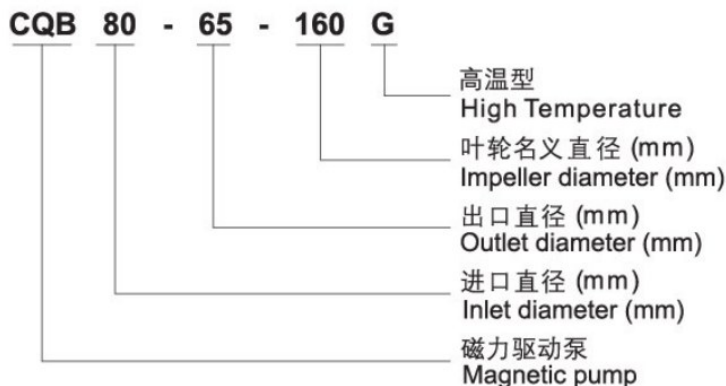


▶ **法兰安装尺寸表** Flange Installation Dimensions Table

Type 泵型号	进口法兰 Inlet Flange							出口法兰 Outlet Flange						
	DN1	D3	D5	D7	b1	f1	n1-d1	DN2	D4	D6	D8	b2	f2	n2-d2
32-20-125	32	69	90	120	16	3	4-φ14	20	48	65	96	14	2	4-φ11
32-20-160														
40-25-105	40	78	100	130	16	3	4-φ14	25	58	75	100	14	3	4-φ11
40-25-125														
40-25-160		84	110	150	18	3	4-φ18	25	65	85	115	16	3	4-φ14
40-25-200														
50-40-85	50	88	110	140	16	3	4-φ14	40	78	100	130	16	3	4-φ14
50-32-105								32	69	90	120	16	3	4-φ14
50-32-125														
50-32-160														
50-32-200		99	125	165	20	3	4-φ18	32	76	100	140	18	3	4-φ18
50-32-250														
65-50-125	65	108	130	160	16	3	4-φ14	50	88	110	140	16	3	4-φ14
65-50-160		118	145	185	20	3	4-φ18	50	99	125	165	20	3	4-φ18
65-40-200								40	84	110	150	18	3	
65-40-250														
80-65-125	80	124	150	190	18	3	4-φ18	65	108	130	160	16	3	4-φ14
80-65-160		132	160	200	20	3	4-φ18	65	118	145	185	20	3	4-φ18
80-50-200		132	160	200	20	3	8-φ18	50	99	125	165	20	3	
80-50-250														
100-80-125	100	144	170	210	18	3	4-φ18	80	124	150	190	18	3	4-φ18
100-80-160		156	180	220	22	3	8-φ18	80	132	160	200	20		8-φ18
100-65-200								65	118	145	185	20	3	4-φ18
100-65-250														

▶ CQB-G型高温磁力泵 CQB-G High Temperature Magnetic Pumps

▶ 型号意义 Designation



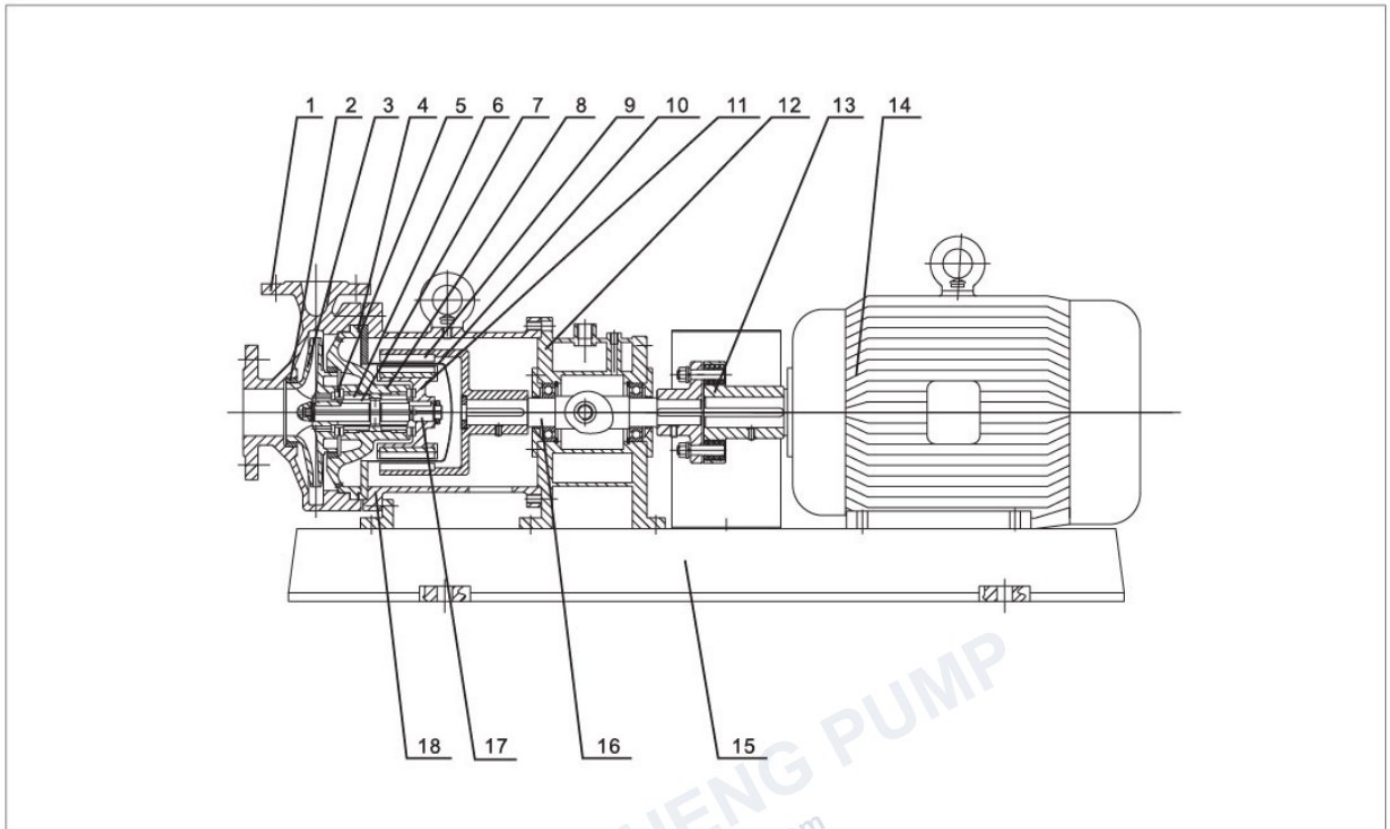
▶ 产品特点 Product Features

- CQB-G采用多重循环冷却结构，保证了原动力和磁传动的可靠性和稳定性，同时采用柱销联轴器减少了泵的噪音和震动，便拆式和柱销联轴器同时使用，使泵的结构增长，更有利于泵的散热。同时，也十分方便用户的维修或更换零件，在泵的外转子部分还设计了散热风叶，确保磁钢的稳定性。本系列泵适用于输送高温介质，使用温度 $\leq 300^{\circ}\text{C}$ 。
- CQB-G uses multiple circulating cooling structure to ensure the dependability and stability of prime mover and magnetic drive. Meanwhile, pin coupling is used to reduce the noise and vibration of pump. The detachable type and pin coupling makes the structure of pump longer, which is good for heat dissipation. Moreover, to make repair and replacement of spare parts much easier, a heat dissipation fan blade is designed on the outer rotor of pump to ensure the stability of magnet steel. This series of pumps are applicable for high temperature mediums, with service temperature $\leq 300^{\circ}\text{C}$.

▶ 主要性能参数 Main performance parameters

- | | |
|--|--|
| • 过流部件材质：不锈钢(奥氏体) | • Material of Wet Parts: Stainless Steel (Austenite) |
| • 联接方式：法兰 | • Connecting Types: Flange |
| • 流量 Q: 3.2~100 m ³ /h | • Flow Q: 3.2~100m ³ /h |
| • 扬程 H: 20~80 m | • Head H: 20~80m |
| • 功率 N: 0.75~75 kw | • Power N: 0.75~75kW |
| • 介质的运动粘度: $\leq 30 \times 10^{-6}\text{m}^3/\text{s}$ | • Kinematic Viscosity of medium: $\leq 30 \times 10^{-6}\text{m}^3/\text{s}$ |
| • 介质温度(t): 120~300 $^{\circ}\text{C}$ | • Medium Temperature (t): 120~300 $^{\circ}\text{C}$ |

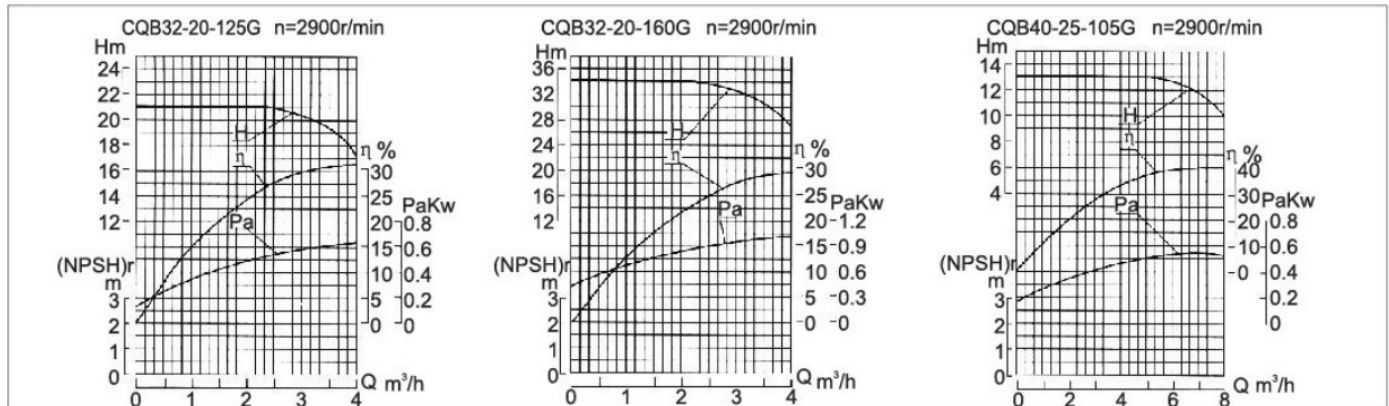
► **结构图** Structural Drawing



► **材料表** Material Table

序号 No.	零件名称 Name of part	材质或型号 Material or model	序号 No.	零件名称 Name of part	材质或型号 Material or model
1	泵体 Pump body	ZG1Cr18Ni9	10	隔离套 Spacer Sleeve	1Cr18Ni9Ti
2	口环 Ring	1Cr18Ni9Ti	11	内磁钢总成 Assembly of Inner Magnet Steel	磁体组件 Components of magnet
3	叶轮 Impeller	ZG1Cr18Ni9	12	冷却箱 Cooling Box	组合件 Subassemblies
4	密封圈 Sealing ring	聚四氟乙烯 PTFE	13	联轴器 Coupling	HT200
5	止推环 Reaction ring	YG8	14	电机 Motor	Y Y2 or YB系列 Y(Y2) or YB Series
6	轴承 Bearing	M106K	15	底盘 Chassis	HT200
7	轴套 Axle Sleeve	YG8	16	主轴 Main Shaft	45#钢 45# Steel
8	轴承体 Bearing Body	ZG1Cr18Ni9	17	泵轴 Pump Shaft	1Cr18Ni9Ti
9	外磁钢总成 Assembly of Outer Magnet Steel	磁体组件 Components of magnet	18	联接架 Linkup Stand	HT200

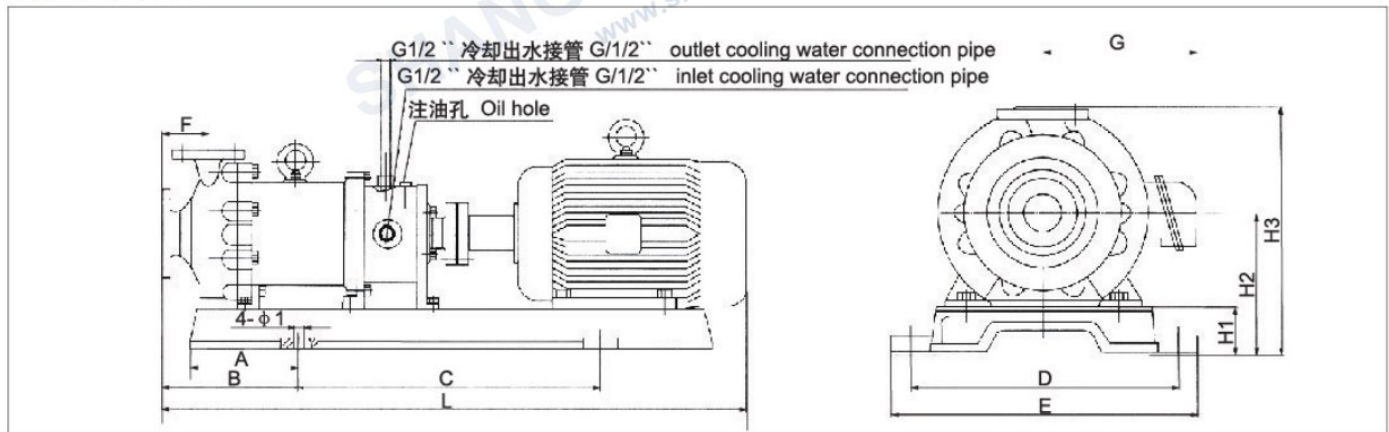
性能曲线图 Performance Curve



性能参数表 Performance Parameters

Type	Q m^3/h Capacity 流量	Head (m) 扬程	(NPSH)r (m) 汽蚀余量	r/min Speed 转速	Power kw 轴功率	Efficiency η 效率	配带电机功率 Power kw 介质密度 Medium density g/cm^3		
泵型号							≤ 1	≤ 1.3	≤ 1.84
32-20-125	1.9	20	5.0	2900	0.49	23	YB 801-2 0.75	YB 802-2 1.1	YB 90S-2 1.5
	3.2	20			0.58	30			
	3.8	18.5			0.62	31			
32-20-160	1.9	34	3.5	2900	0.84	21	YB 802-2 1.1	YB 90S-2 1.5	YB 90L-2 2.2
	3.2	32			0.99	28			
	3.8	29			1.03	29			
40-25-105	3.8	13	6.0	2900	0.42	32	YB 801-2 0.75	YB 802-2 1.1	YB 90S-2 1.5
	6.3	12.5			0.55	39			
	7.5	11			0.56	40			

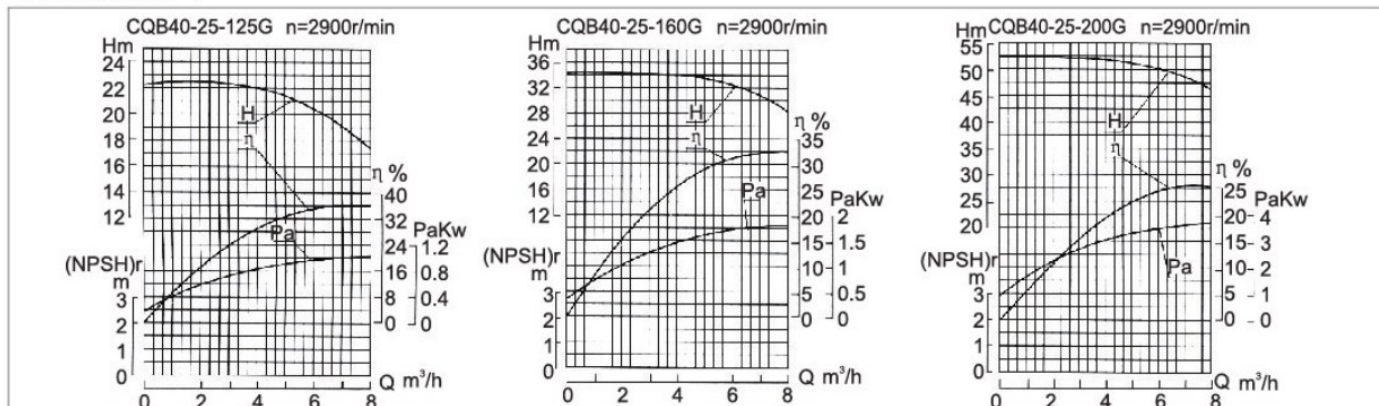
安装尺寸图 Installation Dimensions Drawing



安装尺寸表 Installation Dimensions

Type	A	B	C	D	E	F	G	L	H2	H1	H3	φ1
泵型号												
32-20-125	130	150	440	216	240	65	150	751	50	130	250	11.5
32-20-160	130	150	440	216	240	65	150	751	50	130	290	11.5
40-25-105	130	150	440	216	240	65	150	751	50	130	250	11.5

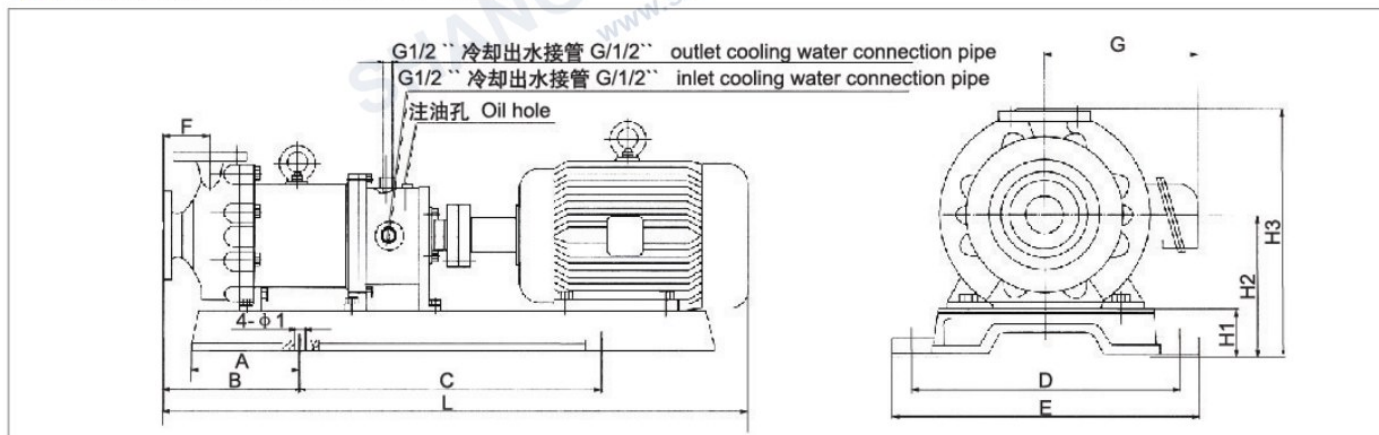
性能曲线图 Performance Curve



性能参数表 Performance Parameters

Type	Q m^3/h Capacity	Head (m)	(NPSH) _r (m)	Speed (r/min)	Power (kw)	Efficiency (%)	配带电机功率 Power kw 介质密度 Medium density g/cm^3		
泵型号	流量	扬程	汽蚀余量	转速	轴功率	效率	≤ 1	≤ 1.3	≤ 1.84
40-25-125	3.8	22	5.0	2900	0.81	28	Y 802-2 YB 1.1	Y 90L-2 YB 2.2	Y 100L-2 YB 3.0
	6.3	20			0.98	35			
	7.5	18.5			1.05	36			
40-25-160	3.8	34	3.5	2900	1.41	25	Y 90L-2 YB 2.2	Y 100L-2 YB 3.0	Y 112M-2 YB 4.0
	6.3	32			1.72	32			
	7.5	29			1.79	33			
40-25-200	3.8	52.5	3.5	2900	3.02	18	Y 112M-2 YB 4.0	Y 132S1-2 YB 5.5	Y 132S2-2 YB 7.5
	6.3	50			3.43	25			
	7.5	48			3.77	26			

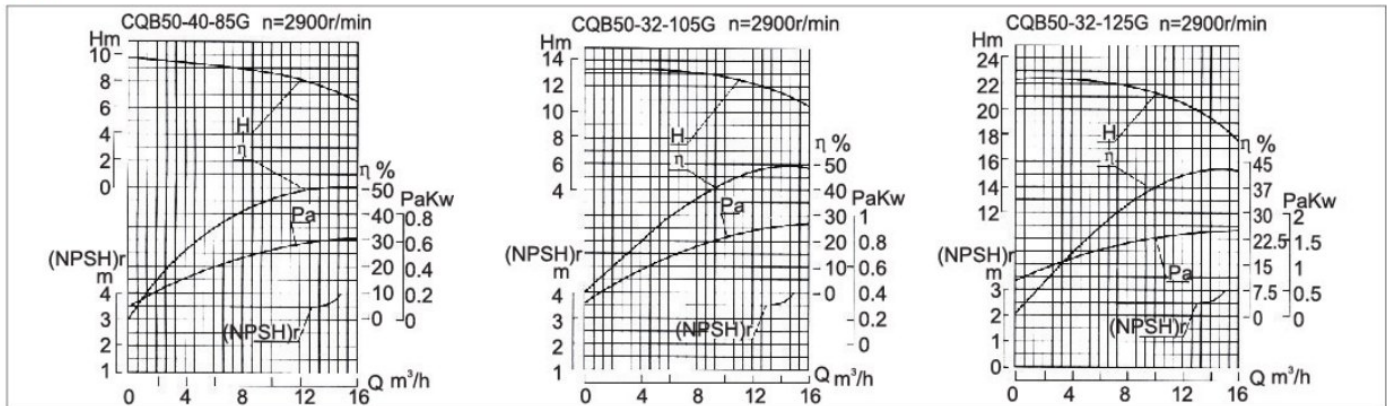
安装尺寸图 Installation Dimensions Drawing



安装尺寸表 Installation Dimensions

Type	A	B	C	D	E	F	G	L	H2	H1	H3	φ1
泵型号												
40-25-125	130	150	440	216	240	65	150	761	50	130	290	11.5
40-25-160	180	210	500	316	350	80	155	916	80	170	330	13.5
40-25-200	180	210	500	316	350	80	190	1001	80	212	372	13.5

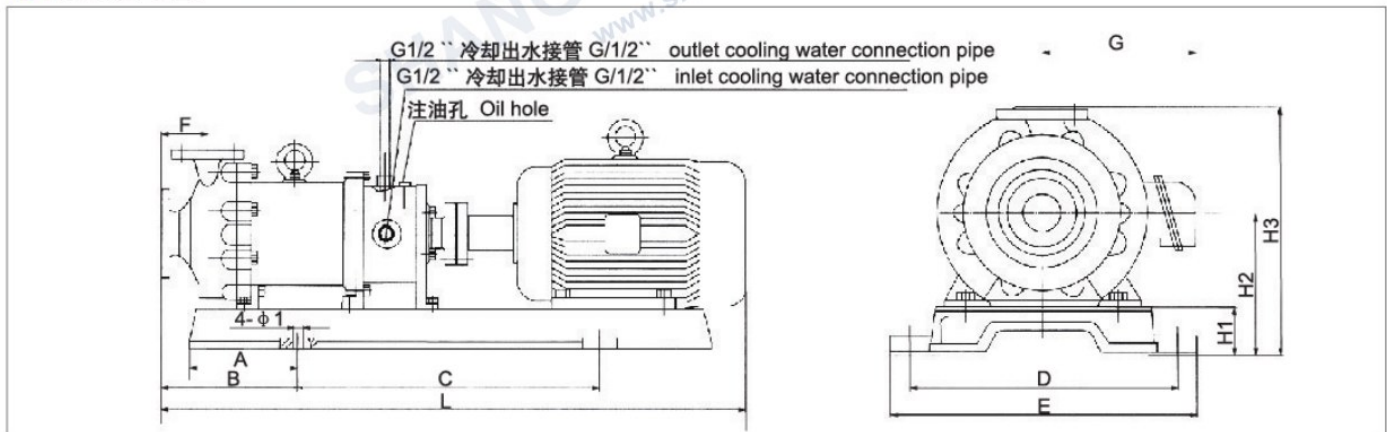
性能曲线图 Performance Curve



性能参数表 Performance Parameters

Type	Q m^3/h Capacity	Head (m) 扬程	(NPSH)r (m) 汽蚀余量	Speed 转速	Power 轴功率	Efficiency 效率	配带电机功率 Power kw 介质密度 Medium density g/cm^3		
泵型号	流量	扬程	汽蚀余量	转速	轴功率	效率	≤ 1	≤ 1.3	≤ 1.84
50-40-85	7.5	9	3.5	2900	0.46	40	Y 801-2	Y 802-2	Y 90S-2
	12.5	8	3.5		0.56	49	YB 0.75	YB 1.1	YB 1.5
	15	7.5	4.0		0.61	50			
50-32-105	7.5	13	3.5	2900	0.76	35	Y 802-2	Y 90S-2	Y 90L-2
	12.5	12.5	3.5		0.91	47	YB 1.1	YB 1.5	YB 2.2
	15	11	4.0		0.94	48			
50-32-125	7.5	22	3.5	2900	1.49	30	Y 90L-2	Y 100L-2	Y 112M-2
	12.5	20	3.5		1.62	42	YB 2.2	YB 3.0	YB 4.0
	15	18.5	4.0		1.63	43			

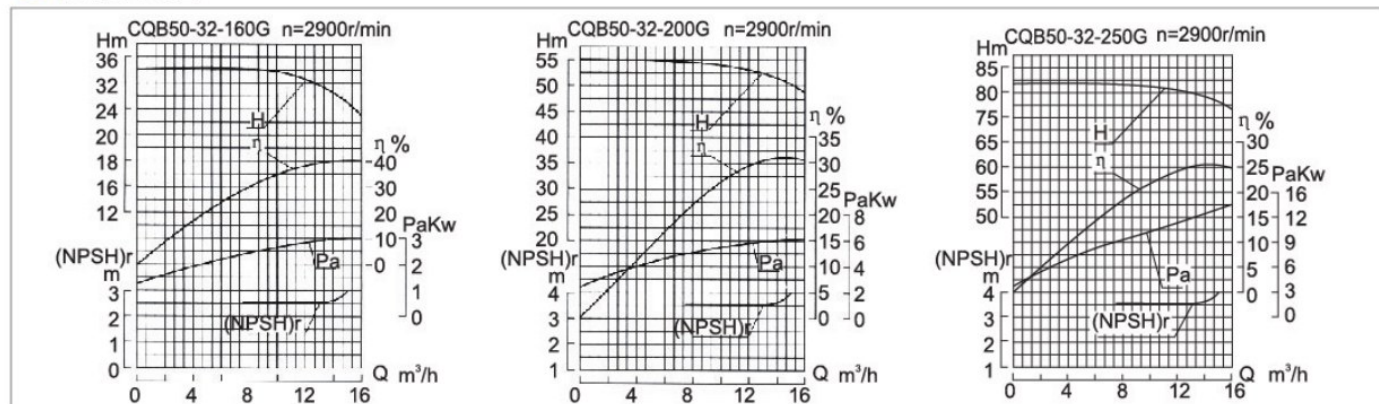
安装尺寸图 Installation Dimensions Drawing



安装尺寸表 Installation Dimensions

Type	A	B	C	D	E	F	G	L	H2	H1	H3	φ1
泵型号												
50-40-85	130	150	440	216	240	80	150	766	50	130	250	11.5
50-32-105	130	150	440	216	240	80	150	776	50	130	290	11.5
50-32-125	180	210	500	316	350	80	155	916	80	170	330	13.5

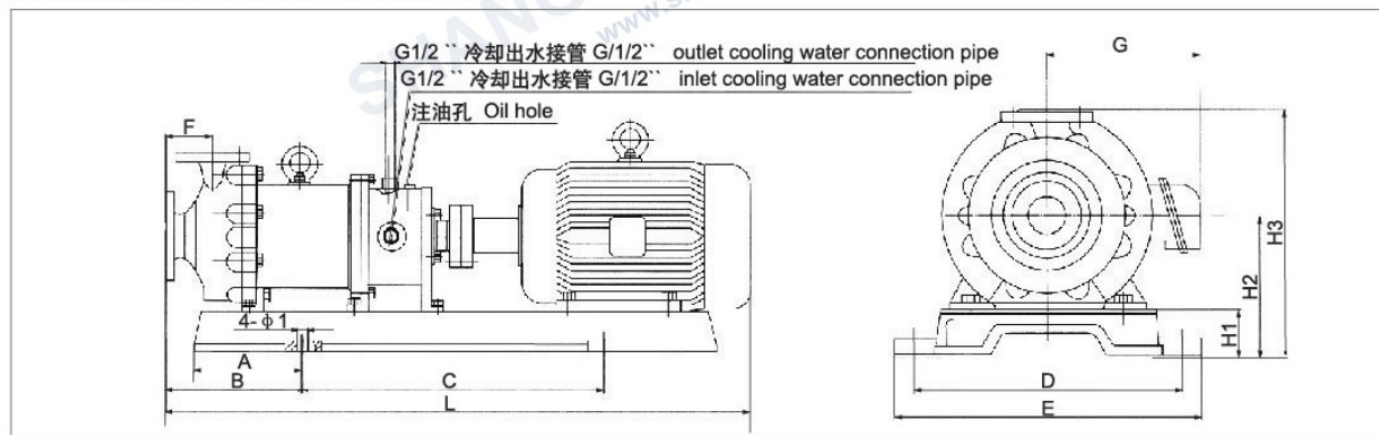
性能曲线图 Performance Curve



性能参数表 Performance Parameters

Type	Q $\frac{m^3}{h}$ Capacity	Head (m) 扬程	(NPSH)r (m) 汽蚀余量	n/min speed	Power $\frac{kw}{kw}$ 轴功率	η % Efficiency	配带电机功率 Power kw 介质密度 Medium density $\frac{g}{cm^3}$		
泵型号	流量	扬程	汽蚀余量	转速	轴功率	效率	≤ 1	≤ 1.3	≤ 1.84
50-32-160	7.5	34	3.5	2900	2.48	28	Y 100L-2	Y 112M-2	Y 132S1-2
	12.5	32	3.5		2.79	39	YB 3.0	YB 4.0	YB 5.5
	15	29	4.0		2.96	40			
50-32-200	7.5	52.5	3.5	2900	5.10	21	Y 132S2-2	Y 132S2-2	Y 160M1-2
	12.5	50	3.5		5.49	31	YB 7.5	YB 7.5	YB 11
	15	48	4.0		6.13	32			
50-32-250	7.5	82	3.5	2900	9.57	17.5	Y 160M2-2	Y 160L-2	Y 180M-2
	12.5	80	3.5		10.89	25	YB 15	YB 18.5	YB 22
	15	78.5	4.0		13.32	26			

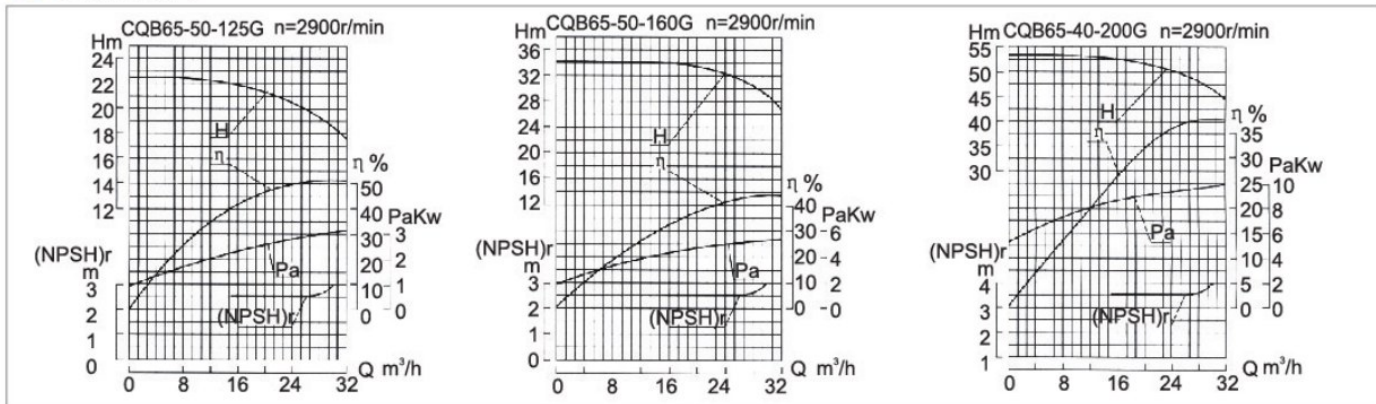
安装尺寸图 Installation Dimensions Drawing



安装尺寸表 Installation Dimensions

Type	A	B	C	D	E	F	G	L	H2	H1	H3	φ1
泵型号												
50-32-160	180	210	540	316	350	80	180	961	80	212	372	13.5
50-32-200	215	210	690	316	350	80	210	1076	80	212	392	13.5
50-32-250	215	260	770	400	440	100	255	1276	100	232	457	18.5

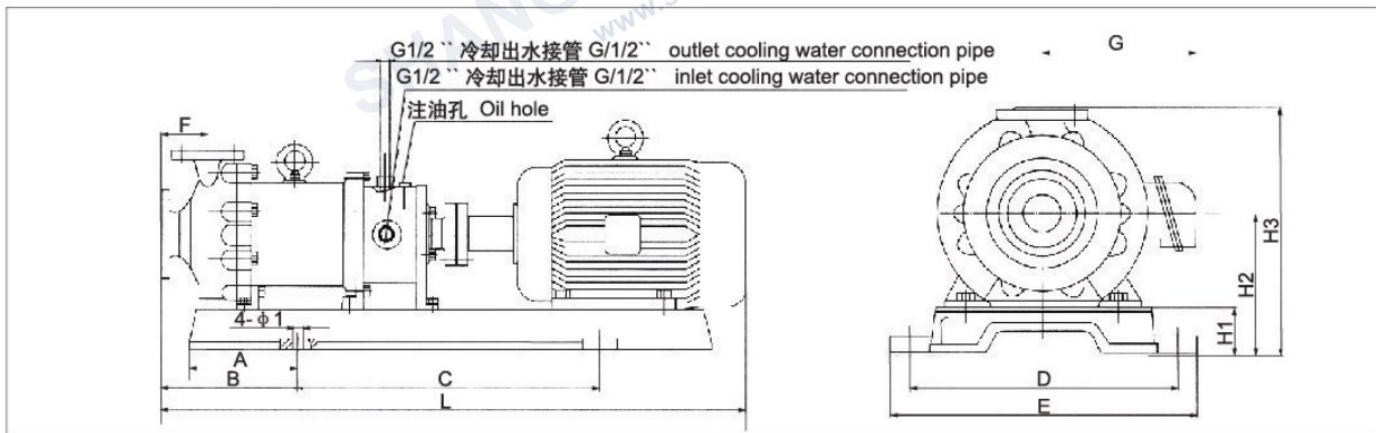
性能曲线图 Performance Curve



性能参数表 Performance Parameters

Type	Q $\frac{m^3}{h}$ Capacity	Head (m) 扬程	(NPSH)r (m) 汽蚀余量	n/min speed	Power $\frac{kW}{h}$ 轴功率	η % Efficiency	配带电机功率 Power $\frac{kW}{h}$ 介质密度 Medium density $\frac{g}{cm^3}$		
泵型号	流量	扬程	汽蚀余量	转速	轴功率	效率	≤ 1	≤ 1.3	≤ 1.84
65-50-125	15	22	3.5	2900	2.25	40	YB 100L-2	YB 112M-2	YB 132S1-2
	25	20	3.5		2.67	51	3.0	4.0	5.5
	30	18.5	4.0		2.91	52			
65-50-160	15	34	3.5	2900	4.34	32	YB 132S1-2	YB 132S2-2	YB 160M1-2
	25	32	3.5		5.07	43	5.5	7.5	11
	30	29.5	4.0		5.48	44			
65-40-200	15	53	3.5	2900	8.66	25	YB 160M1-2	YB 160M2-2	YB 160L-2
	25	50	3.5		9.20	37	11	15	18.5
	30	47	4.0		10.1	38			

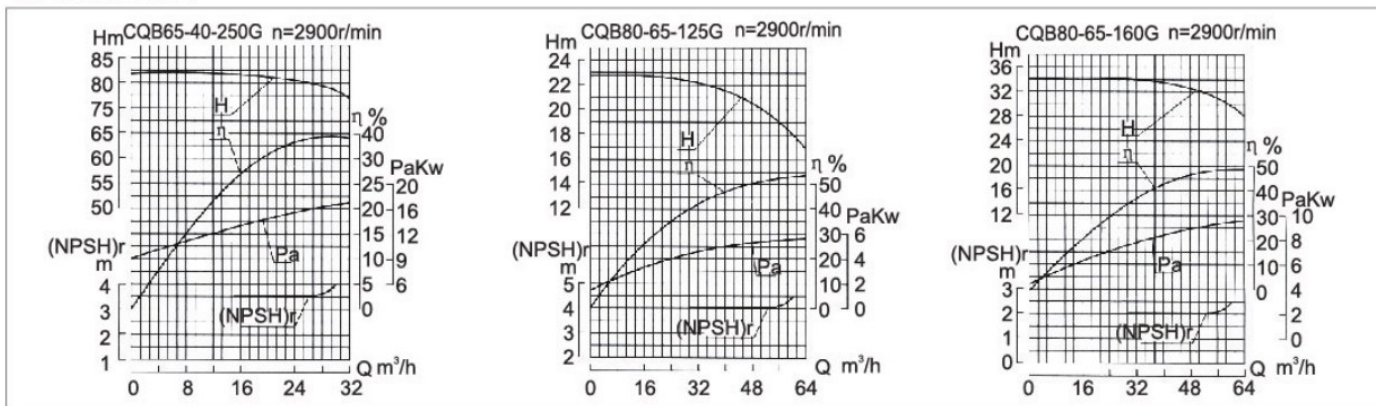
安装尺寸图 Installation Dimensions Drawing



安装尺寸表 Installation Dimensions

Type	A	B	C	D	E	F	G	L	H2	H1	H3	$\phi 1$
泵型号												
65-50-125	180	210	590	290	350	80	180	981	80	170	330	13.5
65-50-160	180	210	600	316	350	80	210	1076	80	212	372	13.5
65-40-200	215	260	770	400	440	100	255	1368	100	260	440	18.5

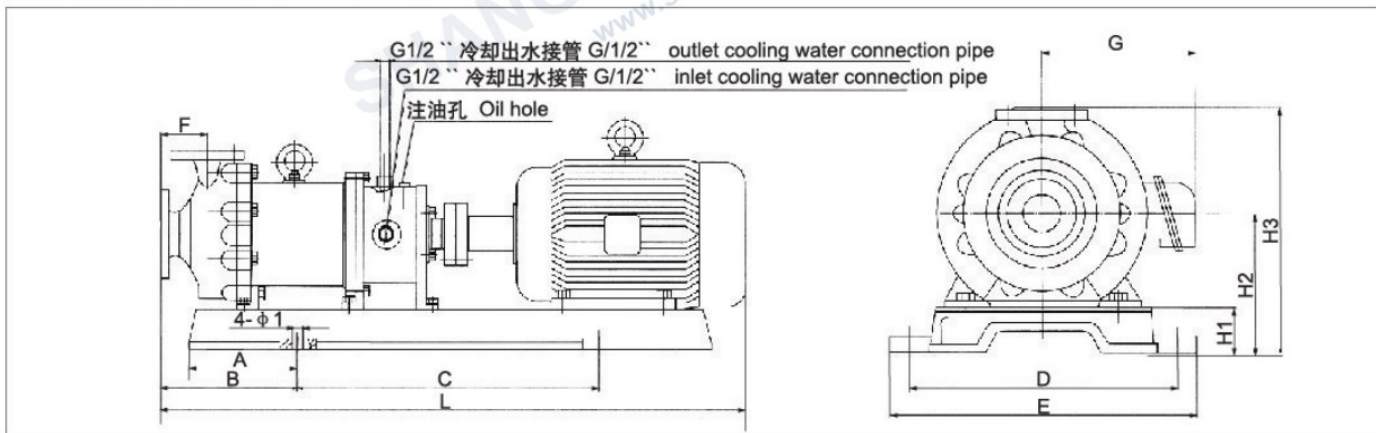
性能曲线图 Performance Curve



性能参数表 Performance Parameters

Type	Q m^3/h Capacity	Head (m) 扬程	(NPSH)r (m) 汽蚀余量	n/min speed	Power kw 轴功率	η % Efficiency	配带电机功率 Power kw 介质密度 Medium density g/cm^3		
泵型号	流量	扬程	汽蚀余量	转速	轴功率	效率	≤ 1	≤ 1.3	≤ 1.84
65-40-250	15	82	3.5	2900	13.4	25	Y _{YB} 160L-2	Y _{YB} 180M-2	Y _{YB} 200L1-2
	25	80	3.5		14.72	37	18.5	22	30
	30	78.5	4.0		16.88	38			
80-65-125	30	22.5	4.0	2900	4.48	41	Y _{YB} 132S1-2	Y _{YB} 132S2-2	Y _{YB} 160M1-2
	50	20	4.0		5.24	52	5.5	7.5	11
	60	18	4.5		5.55	53			
80-65-160	30	34	4.0	2900	7.72	36	Y _{YB} 160M1-2	Y _{YB} 160M2-2	Y _{YB} 160L-2
	50	32	4.0		9.08	48	11	15	18.5
	60	29	4.5		9.67	49			

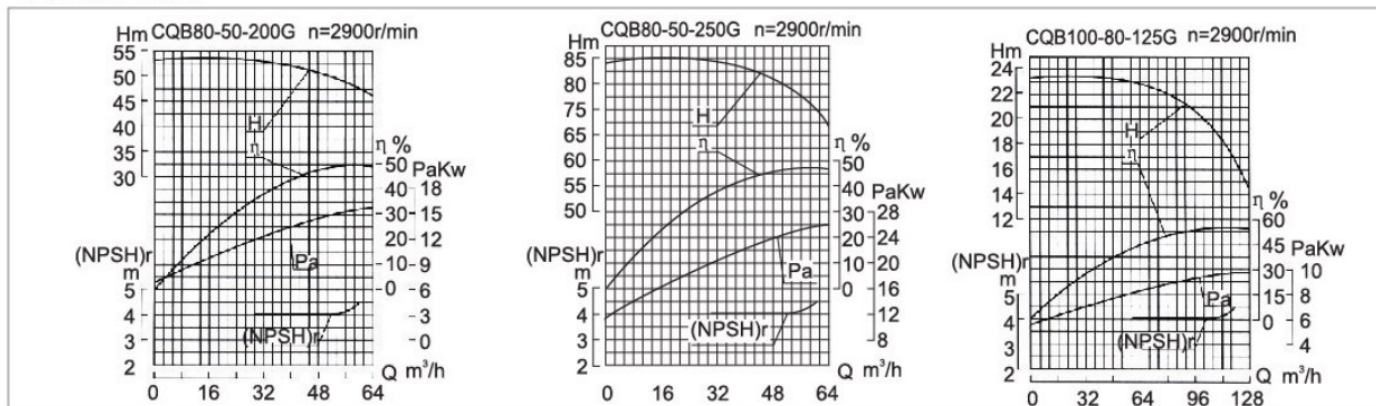
安装尺寸图 Installation Dimensions Drawing



安装尺寸表 Installation Dimensions

Type	A	B	C	D	E	F	G	L	H2	H1	H3	φ1
泵型号												
65-40-250	215	300	870	400	440	100	255	1413	100	260	485	18.5
80-65-125	180	260	500	316	350	80	210	1076	80	212	372	13.5
80-65-160	215	260	820	400	440	100	255	1357	100	260	440	18.5

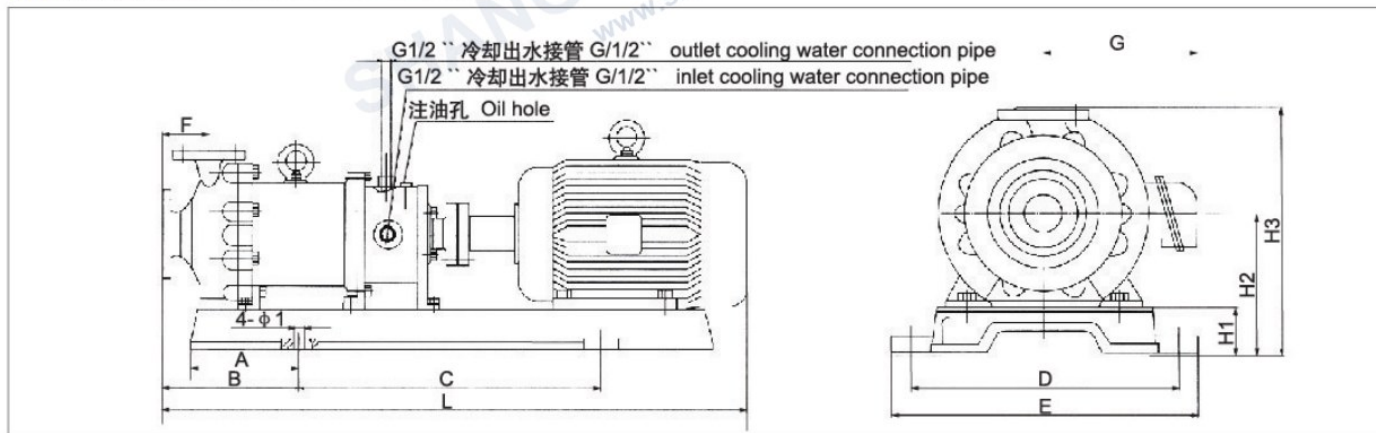
性能曲线图 Performance Curve



性能参数表 Performance Parameters

Type	Q m^3/h Capacity	Head (m) 扬程	(NPSH)r (m) 汽蚀余量	Speed 转速	Power 轴功率	Efficiency 效率	配带电机功率 Power kw 介质密度 Medium density g/cm ³		
泵型号	流量	扬程	汽蚀余量	转速	轴功率	效率	≤1	≤1.3	≤1.84
80-50-200	30	53	4.0	2900	12.03	36	YB 160L-2	YB 180M-2	YB 200L1-2
	50	50	4.0		14.80	46	18.5	22	30
	60	47	4.5		16.34	47			
80-50-250	30	84	4.0	2900	19.06	36	YB 200L1-2	YB 220L2-2	YB 225M-2
	50	80	4.0		23.68	46	30	37	45
	60	75	4.5		26.07	47			
100-80-125	60	23	4.0	2900	8.35	45	YB 160M1-2	YB 160M2-2	YB 160L-2
	100	20	4.0		9.73	56	11	15	18.5
	120	16.5	4.5		9.46	57			

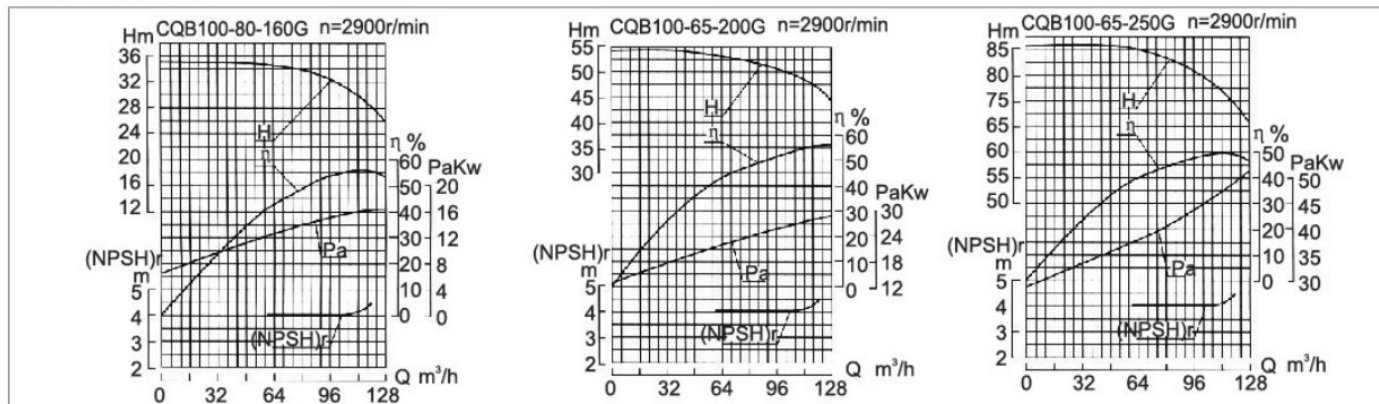
安装尺寸图 Installation Dimensions Drawing



安装尺寸表 Installation Dimensions

Type	A	B	C	D	E	F	G	L	H2	H1	H3	φ1
泵型号												
80-50-200	215	300	870	400	440	100	255	1413	100	260	460	18.5
80-50-250	260	300	880	450	500	125	310	1578	100	300	525	24
100-80-125	215	300	770	400	440	100	255	1368	100	260	440	18.5

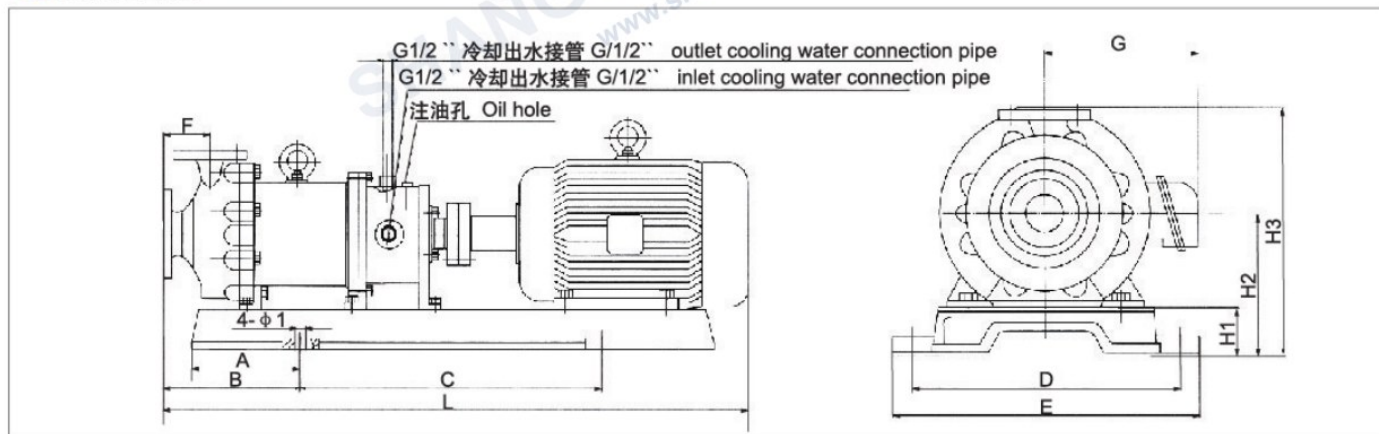
性能曲线图 Performance Curve



性能参数表 Performance Parameters

Type	Q $\frac{m^3}{h}$ Capacity 流量	Head (m) 扬程	(NPSH) _r (m) 汽蚀余量	Speed 转速	Power $\frac{kw}{kw}$ 轴功率	Efficiency η 效率	配带电机功率 Power kw 介质密度 Medium density $\frac{g}{cm^3}$		
泵型号							≤ 1	≤ 1.3	≤ 1.84
100-80-160	60	35	4.0	2900	12.43	46	YB 160L-2 18.5	YB 180M-2 22	YB 200L1-2 30
	100	32	4.0		15.85	55			
	120	28	4.5		16.34	56			
100-65-200	60	54	4.0	2900	21.01	42	YB 200L1-2 30	YB 220L2-2 37	YB 225M-2 45
	100	50	4.0		25.69	53			
	120	47	4.5		28.44	56			
100-65-250	60	86	4.0	2900	37.98	37	YB 225M-2 45	YB 250M-2 55	YB 280S-2 75
	100	80	4.0		45.39	48			
	120	74.5	4.5		49.69	49			

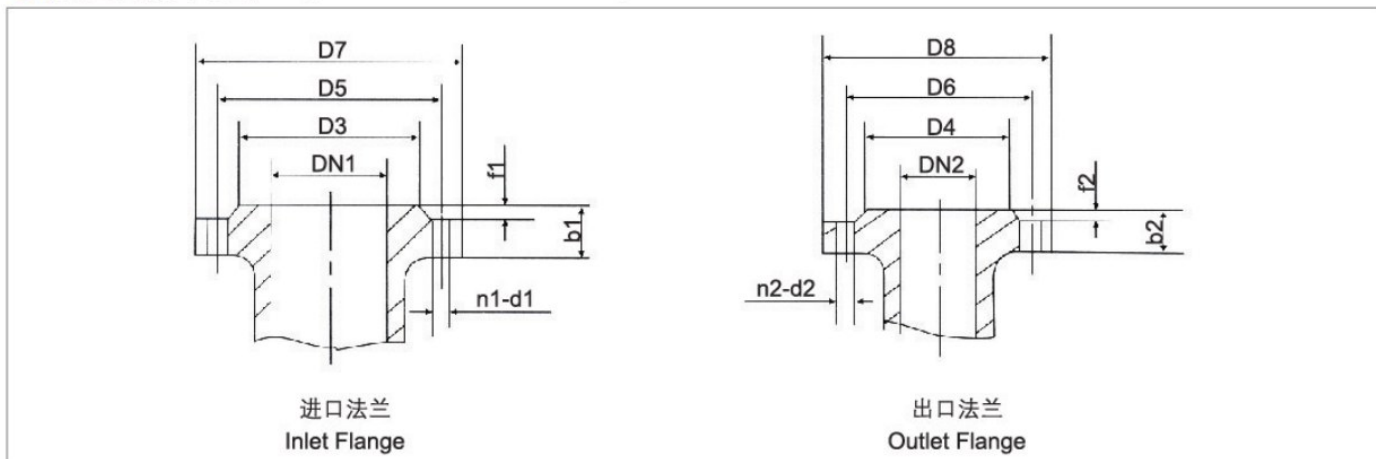
安装尺寸图 Installation Dimensions Drawing



安装尺寸表 Installation Dimensions

Type	A	B	C	D	E	F	G	L	H2	H1	H3	$\phi 1$
泵型号												
100-80-160	215	300	870	400	440	100	255	1413	100	260	460	18.5
100-65-200	260	380	880	450	500	100	310	1553	100	300	525	24
100-65-250	260	380	1000	550	600	125	385	1773	120	370	620	24

▶ **法兰安装尺寸图** Flange Installation Dimensions Drawing



▶ **法兰安装尺寸表** Flange Installation Dimension Table

Type 泵型号	进口法兰 Inlet Flange							出口法兰 Outlet Flange						
	DN1	D3	D5	D7	b1	f1	n1-d1	DN2	D4	D6	D8	b2	f2	n2-d2
32-20-125	32	69	90	120	16	3	4-φ14	20	48	65	96	14	2	4-φ11
32-20-160								25	58	75	100	14	3	4-φ11
40-25-105	40	78	100	130	16	3	4-φ14	25	58	75	100	14	3	4-φ11
40-25-125								25	65	85	115	16	3	4-φ14
40-25-160		84	110	150	18	3	4-φ18	25	65	85	115	16	3	4-φ14
40-25-200	50	88	110	140	16	3	4-φ14	40	78	100	130	16	3	4-φ14
50-40-85								32	69	90	120	16	3	4-φ14
50-32-105		99	125	165	20	3	4-φ18	32	76	100	140	18	3	4-φ18
50-32-125								32	76	100	140	18	3	4-φ18
50-32-160								32	76	100	140	18	3	4-φ18
50-32-200								32	76	100	140	18	3	4-φ18
50-32-250								32	76	100	140	18	3	4-φ18
65-50-125	65	108	130	160	16	3	4-φ14	50	88	110	140	16	3	4-φ14
65-50-160								50	99	125	165	20	3	4-φ18
65-40-200		118	145	185	20	3	4-φ18	40	84	110	150	18	3	4-φ18
65-40-250								40	84	110	150	18	3	4-φ18
80-65-125	80	124	150	190	18	3	4-φ18	65	108	130	160	16	3	4-φ14
80-65-160		132	160	200	20	3	4-φ18	65	118	145	185	20	3	4-φ18
80-50-200		132	160	200	20	3	8-φ18	50	99	125	165	20	3	4-φ18
80-50-250								50	99	125	165	20	3	4-φ18
100-80-125	100	144	170	210	18	3	4-φ18	80	124	150	190	18	3	4-φ18
100-80-160		156	180	220	22	3	8-φ18	80	132	160	200	20	3	8-φ18
100-65-200								65	118	145	185	20	3	4-φ18
100-65-250								65	118	145	185	20	3	4-φ18

MP型塑料磁力泵简介 MP Plastic Magnetic Pumps

型号意义 Designation



MP 20R - X 100

无代号电压为220V;
100V: 100V; 300: 380V

无代号为普通型: M为进出口用螺纹接口; X为大流量型; Z为高扬程型; T为特殊用途; N为改进型

No code referred to ordinary type: M referred to screw thread in inlet and outlet interface; X referred to large flow type; Z referred to high head type; T referred to special application; N referred to upgraded type

产品规格
Product specs

MP系列塑料磁力驱动循环泵
MP series Plastic magnetic-driving centrifugal pump

工作用途 Applications

- 化学工业: 碳酸钠化工业 (盐酸、次氯酸、二次化学品的生产); 氟化物、化学肥料的生产; 气体吸收塔反应液体循环; 油脂提炼 (硫酸); 废酸类的回收及再生系统; 化工厂和运输车辆间的强酸类输送。

Chemical industry: sodium carbonate (the production of hydrochloric acid, hypo-fluoric acid and secondary chemicals); the production of fluoride and chemical fertilizers; circulation of reaction liquid in gas absorption tower; grease extraction (sulfuric acid); reclamation and regeneration system of waste acid; transportation of strong acids between chemical plants and vehicles.

- 药剂业: 半导体用的发光化学物 (EL)、农药、医药、水处理化学剂的生产

Medicament industry: the production of luminescence chemicals for semiconductors (EL), pesticides, medicines, water treatment chemical agents.

- 电镀业: 循环过滤各类电镀液。

Electroplating industry: circulation and filtration of various electroplating solutions.

- 照片业: 即现照相系统; X-光片、黑白、彩色、立体照片的冲晒。

Photography industry: instamatic photographing; the development of X-ray film, black and white, color and stereoscopic pictures.

- 电器用具业: 电解质电容器的生产 (铝膜的浸蚀); 干电池和蓄电池制造过程中输送电解液;

电路板的蚀刻; 半导体生产过程中输送高纯度化学液。

Electrical appliance industry: the production of electrochemical capacitor (erosion of aluminium film); transportation of electrolyte in the production of dry cells and storage cells; etching of circuit boards; transportation of high purity chemical liquids in the production of semiconductors.

- 金属工业: 氧化铝膜处理设备; 线材拉伸、钢铁轧制中除油及酸洗; 车辆喷漆前除油及酸洗处理; 氧化钛、稀土元素的生产等。

Metal industry: treatment equipment of pellumina, deoiling and pickling in wire stretching and steel rolling; deoiling and pickling treatment before vehicle painting; the production of titanium oxide and rare earth elements, and etc..

- 矿业: 金属熔炼 (输送及循环电解液); 废液的洗涤处理。

Mining industry: metal melting (transportation and circulation of electrolyte); washing of liquid waste.

- 食品工业: 葡萄糖酸的生产 (盐酸); 食油的提炼 (硫酸); 罐装水果工业 (盐酸)。

Foodstuff industry: the production of maltonic acid (hydrochloric acid); extraction of edible oil (sulfuric acid); the industry of tinned fruits (hydrochloric acid).

- 医疗: 人造肾脏、心肺、超声波清洗机及各种医疗设备。

Medical treatment: hemodialyzer, heart and lung, ultrasonic cleaning machines and other medical equipment.

- 水处理: 清洗离子交换树脂; 纯水生产设备; 海水淡化设备。

Water treatment: cleaning ion exchange resins; pure water production equipment; seawater desalination equipment.

- 污染控制: 添加污水处理化学药剂到药液缸; 收集及输送废液; 废气吸收设备 (除臭装置, 排放废气前脱硫)。

Pollution control: waste water treatment chemical agent into liquid medicine cylinder; collection and transportation of waste liquid; waste gas absorption equipment (deodorization device, desulfurization before waste gas discharging).

- 其它: 应用在银回收、晶片制造、实验工厂、制冷机、饮品机、生活锅炉、热交换器、太阳能系统、漂染、激光系统等领域及喷水池、鱼池、观赏鱼缸循环使用。

Others: application in the fields of silver reclamation, wafer production, experimental plants, refrigerators, potable machines, daily boilers, heat exchangers, solar energy system, bleaching and dyeing and laser system etc., as well as the duty-cycle operation of spray pond, fish pond and ornamental fish bowl.

产品特点 Product Features

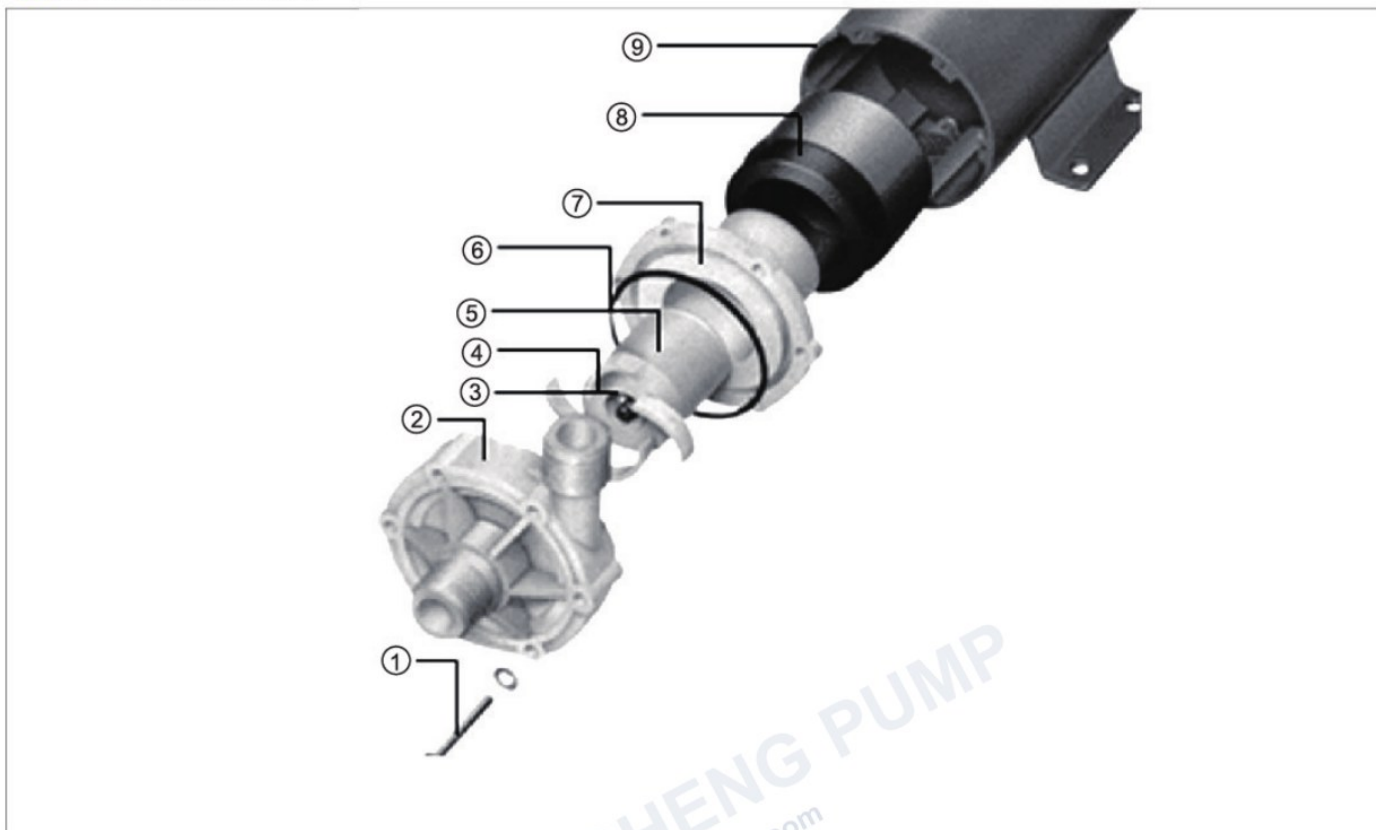
- 该泵为磁力泵技术高领域的结晶。凝结了本单位设计人员多年的心血, 也是磁力泵中技术含量最高的产品。

- MP型磁力泵设计特点、造型美观、尤其是轴承采用特种配方陶瓷材料, 具有极强的耐磨性和抗腐蚀性, 走出了磁力泵“严禁空载”的禁区, 保证了它的先进性和安全性。

- The pump is crystallization in the hi-tech field of magnetic pump. It combines many years of our designers, which also contains the highest technical content among various magnetic pumps.

- MP magnetic pump has a unique with stylish appearance. In particular, its bearing adopts ceramic material with special formula. Bringing about extremely strong resistance to abrasion and corrosion. Thus we've gone out of the forbidden area of "No Loading" for magnetic pump to ensure its leading position and safety.

► 结构图 Structural Drawing



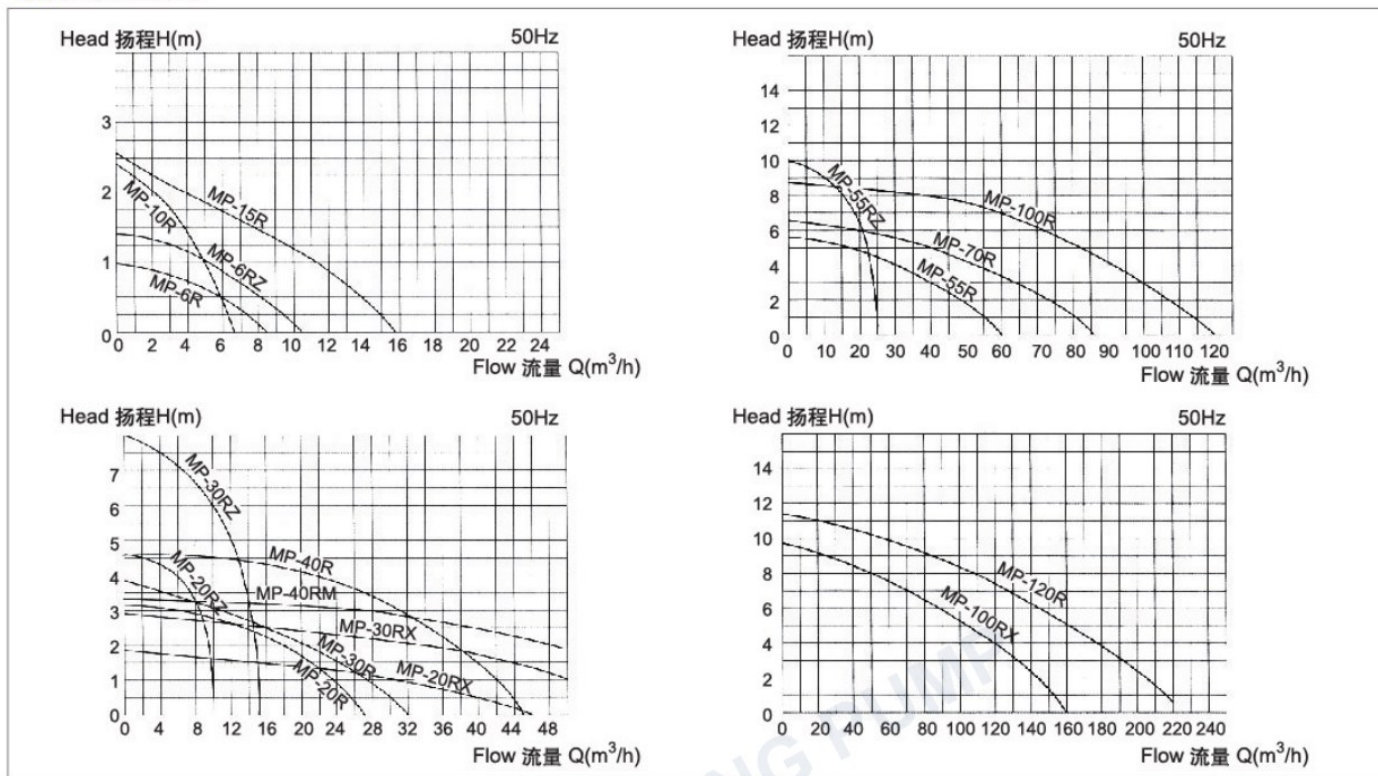
► 材料表 Material table

序号 No.	零件名称 Name of part	材质或型号 Material or model
1	固定螺线及垫圈 stationary spiral cord and gasket	不锈钢 stainless steel
2	泵壳 Pump casing	聚炳烯增强玻璃纤维 FRPP
3	泵轴 Pump shaft	氧化铝陶瓷 Alumina ceramics
4	叶轮 Impeller	聚炳烯增强玻璃纤维 FRPP
5	被动磁铁 passive magnet	锶铁氧体 strontium ferrite
6	密封圈 seal ring	氟橡胶 Fluororubber
7	隔离套 spacer sleeve	聚炳烯增强玻璃纤维 FRPP
8	主动磁铁 active magnet	锶铁氧体 strontium ferrite
9	电机 Motor	

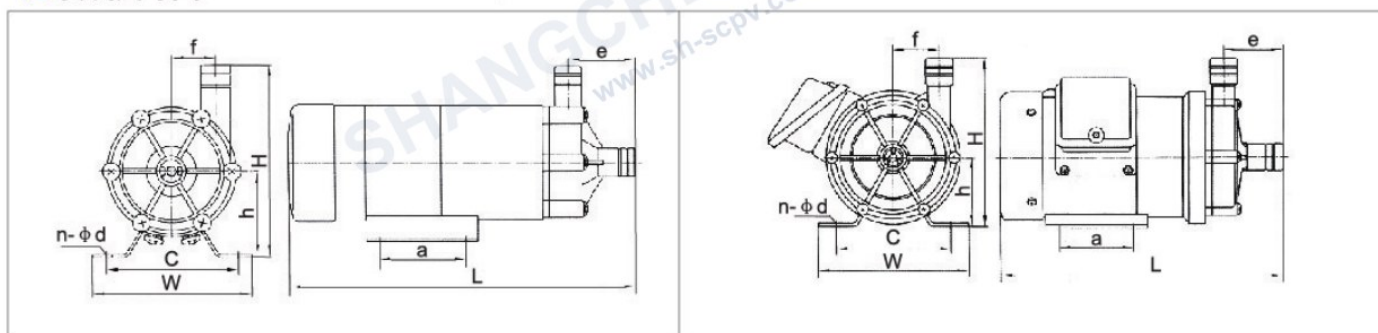
性能参数表 Performance Parameters

Type 泵型号	软管接口 (mm) Tube Interface 进口Inlet 出口Outlet		螺纹接口 Thread Interface 进出口 Inlet & Outlet 活管Type (mm)		Q _{max} (L/min) Max Capacity 最大流量	Max Head (M) 最高扬程	标准输出 Standard capacity 流量Flow (L/min) 扬程Head (m)		Medium density (g/cm ³) 介质密度	Motor Power 电机功率 W	转速 r/min speed	Voltage (V) 电压
MP-6R	14	14	-	-	8	1	2.8	0.8	<1.2	3	2900	220
MP-6RZ	14	14	-	-	5.5	2.1	3.2	0.8	<1.1	3	2900	220
MP-10R	14	14	-	-	11	1.5	5	1	<1.1	6	2900	220
MP-15R	16	16	-	-	16	2.7	8	1.5	<1.3	10	2900	220
MP-15RM	-	-	3 / 4	13	16	2.4	8	1.5	<1.3	10	2900	220
MP-20R	18	18	-	-	27	3.1	17	2	<1.2	20	2900	220
MP-20RM	-	-	3 / 4	16	27	3.1	17	2	<1.2	20	2900	220
MP-20RX	26	26	-	-	46	1.8	30	1	<1.3	20	2900	220
MP-20RXM	-	-	1	20	46	1.8	30	1	<1.3	20	2900	220
MP-20RZ	18	18	-	-	10	4.6	7	4	<1.1	20	2900	220
MP-20RZM	-	-	3 / 4	13	10	4.6	7	4	<1.1	20	2900	220
MP-30R	20	20	-	-	33	3.8	16	2.5	1.3	45	2900	220
MP-30RM	-	-	3 / 4	16	33	3.8	16	2.5	1.3	45	2900	220
MP-30RX	26	26	-	-	62	2.9	32	2	1.1	45	2900	220
MP-30RXM	-	-	1	20	62	2.9	32	2	1.1	45	2900	220
MP-30RZ	18	18	-	-	15	8	10	6	1.1	45	2900	220
MP-30RZM	-	-	3 / 4	13	15	8	10	6	1.1	45	2900	220
MP-40R	20	20	-	-	45	4.6	22	4	1.1	65	2900	220
MP-40RM	-	-	3 / 4	16	45	4.6	22	4	1.1	65	2900	220
MP-40RX	26	26	-	-	75	3.3	47	2	1.1	65	2900	220
MP-40RXM	-	-	1	20	75	3.3	47	2	1.1	65	2900	220
MP-55R	26	26	-	-	60	5.6	30	4	1.2	90	2900	220/380
MP-55RM	-	-	1	20	60	5.6	30	4	1.2	90	2900	220/380
MP-55RZ	26	26	-	-	25	10	15	8	1.1	90	2900	220/380
MP-55RZM	-	-	1	20	25	10	15	8	1.1	90	2900	220/380
MP-70R	26	26	-	-	86	6.7	50	4	1.1	150/180	2900	220/380
MP-70RM	-	-	1	20	86	6.7	50	4	1.1	150/180	2900	220/380
MP-100R	26	26	-	-	120	8.6	60	7	1.3	250/265	2900	220/380
MP-100RM	-	-	1	20	120	8.6	60	7	1.3	250/265	2900	220/380
MP-100RX	-	-	1 1/4	32	170	9	100	5	1.3	250	2900	220/380
MP-120R	-	-	1 1/2	36	220	10.5	140	6	1.3	370	2900	220/380

性能曲线图 Performance Curve



安装尺寸图 Installation Dimensions Drawing



安装尺寸表 Installation Dimensions

Type 泵型号	a	c	n-φd	e	f	h	H	W	L
MP-6R	/	60	2-7	31	17	36	83	74	130
MP-6RZ	/	60	2-7	31	17	36	83	74	130
MP-15R	49	68	4-6	38	23	45	100	82	197
MP-20R	30	68	4-6	39	29	56	116	85	209
MP-20RZ	30	68	4-6	40	40	56	126	85	212
MP-20RM	30	68	4-6	34	29	56	117	85	205
MP-30R	40	100	4-9	48	30	60	130	120	250
MP-30RZ	40	100	4-9	40	40	60	130	120	234
MP-30RM	40	100	4-9	48	30	60	130	120	250

Type 泵型号	a	c	n-φd	e	f	h	H	W	L
MP-40R	40	100	9	48	30	60	130	120	274
MP-40RM	40	100	9	48	30	60	130	120	274
MP-55R	40	100	9	56	43	66	161	120	275
MP-55RZ	40	100	9	56	43	66	161	120	275
MP-70R	70	108	9	56	44	66	161	142	267
MP-70RM	70	108	9	53	44	66	156	142	264
MP-100R	70	110	9	66	44	74	174	156	322
MP-100RM	70	110	9	66	44	74	174	156	322
MP-100RX	70	110	9	63	40	74	174	156	323
MP-120R	98	110	12	80	51	93	208	140	359

▶ CQG型管道式磁力泵 CQG Pipeline Magnetic Pumps



▶ 型号意义 Designation



▶ 主要性能参数 Main Performance Parameters

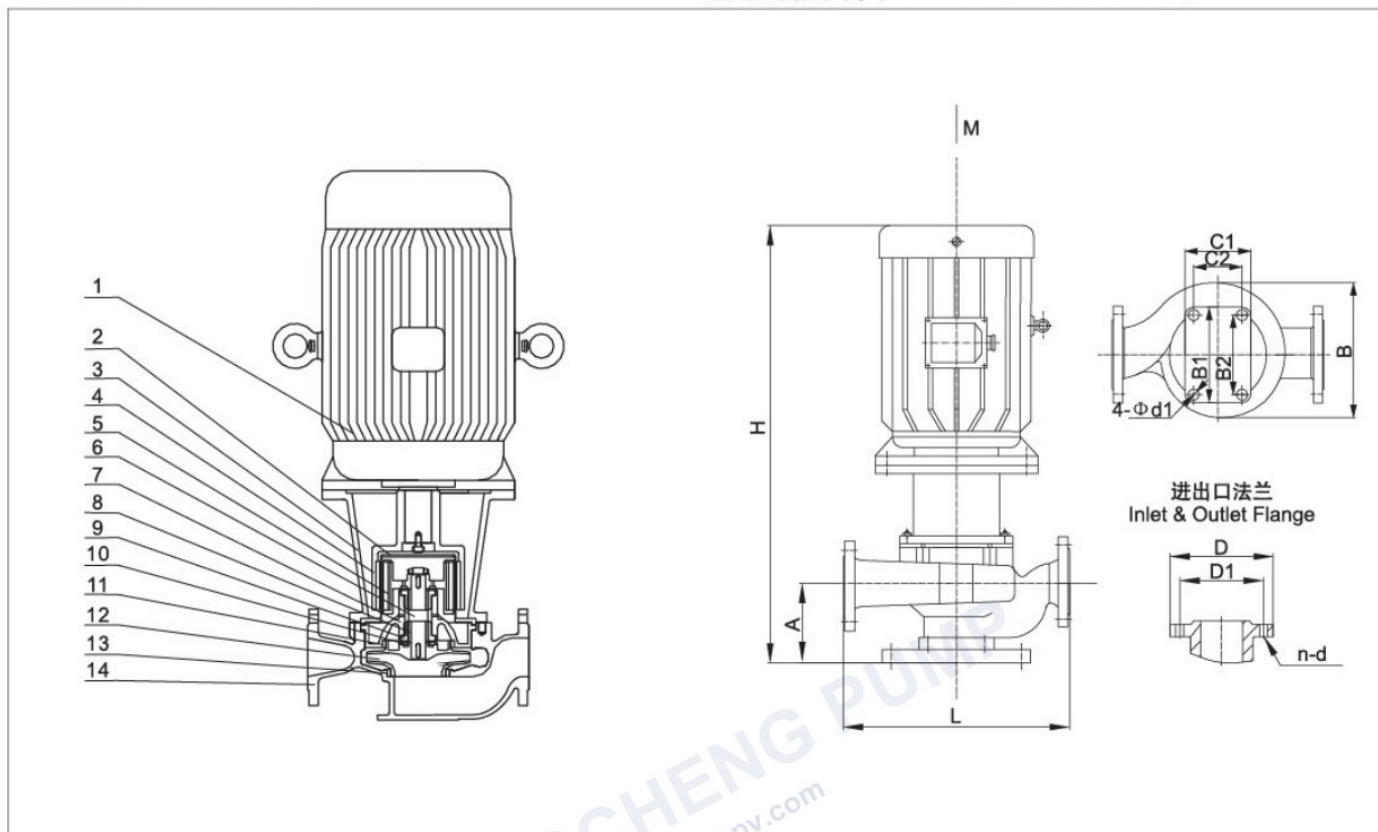
- 过流部件材质: 不锈钢(奥氏体)
- Material of Wet Parts: Stainless Steel (Austenite)
- 联接方式: 法兰
- Connecting Types: Flange
- 流量 Q: 4~160 m³/h
- Flow Q: 4~160m³/h
- 扬程 H: 12.5~80 m
- Head H: 12.5~80m
- 功率 N: 0.75~75 kw
- Power N: 0.75~75KW
- 介质的运动粘度: $\leq 30 \times 10^{-6} \text{m}^2/\text{s}$
- Kinematic Viscosity of medium: $\leq 30 \times 10^{-6} \text{m}^2/\text{s}$
- 介质温度(t): -20~100℃
- Medium Temperature (t): -20~100℃

▶ 产品特点 Product Features

- CQG型是在ISG型立式管道泵的基础上设计而成的新型立式结构磁力泵,它秉承ISG泵的优点, 又与磁力传动的完美结合, 达到了无泄漏输送液体的要求。
- CQG is a late-model vertical magnetic pump designed on the base of ISG vertical pipeline mounted pump. Embodying the advantages of ISG pump, this type is provided with magnetic drive for leak-tight delivery of liquid.
- CQG型立式磁力泵可直接安装在管道的任何部位,对管道中的介质进行加压, 可直接替换原来的ISG泵,安装尺寸与ISG泵完全相同, 方便用户更换。
- CQG vertical magnetic pump can be directly mounted to any position on the pipeline, and carries out pressurization to the medium inside pipeline. It can directly replace ISG pump, with installation dimensions completely same as ISG pumps for the convenience of making replacement.

▶ **结构图** Structural Drawing

▶ **安装尺寸图** Installation Dimensions Drawing



▶ **材料表** Material Table

序号 No.	零件名称 Name of part	材质或型号 Material or model	序号 No.	零件名称 Name of part	材质或型号 Material or model
1	电机 Motor	Y Y2 or YB系列 Y(Y2) or YB Series	8	轴套 Axle sleeve	YG8
2	隔离套 Spacer sleeve	1Cr18Ni9Ti	9	轴承 Bearing	M106K
3	联接架 Linkup stand	HT200	10	止推环 Reaction ring	陶瓷、氮化硅 Ceramic or nitrogen silicide
4	外磁钢总成 Assembly of outer magnet steel	钕铁硼N33SH NdFeB N33SH	11	密封环 Sealing ring	1Cr18Ni9Ti
5	内磁钢总成 Assembly of inner magnet steel	钕铁硼N33SH NdFeB N33SH	12	叶轮 Impeller	ZG1Cr18Ni9
6	泵轴 Pump shaft	1Cr18Ni9Ti	13	口环 Ring	1Cr18Ni9Ti
7	轴承体 Bearing body	ZG1Cr18Ni9	14	泵体 Pump body	ZG1Cr18Ni9

用户可根据被输送介质的腐蚀性程度对泵的过流部分主要零件选用不同材料。泵的过流部分主要零件的材料及其代号如下：
main parts of flow-through parts may be different materials according to the corrosion extent of the medium to be delivered. The materials for main parts of pump flow-through parts and their codes are stated as following:

材料 material	ZG1Cr18Ni9	ZG1Cr18Ni9Ti	ZG0Cr18Ni12Mo2Ti	ZG1Cr18Ni12Mo2Ti	ZG00Cr17Ni14Mo2	ZG1Cr18Mn13Mo2CuN
代号 No.	303	305	306	307	316L	402

► 性能参数及安装尺寸表 Performance Parameters and Installation Dimensions

Type 泵型号	Q Capacity 流量	Head (m) 扬程	Efficiency 效率	Power kw 电机功率	Net positive suction head (NPSH)r(m) 必需汽蚀余量	外形尺寸 Outline dimensions				安装尺寸 Installation dimensions			进出口法兰尺寸 Dimensions of inlet & outlet flanges		
						L	B	H	C1 × B1	A	C2 × B2	4 - d1	D	D1	n-d
25-110	2.8 4.0 5.2	16.0 15.0 13.5	27	0.75	2.3	260	230	435	80×110	75	50×80	4-φ14	φ115	φ85	4-φ14
25-125	2.8 4.0 5.2	20.6 20.0 18.0	21	1.1	2.3	260	230	435	80×110	75	50×80	4-φ14	φ115	φ85	4-φ14
25-160	2.8 4.0 5.2	33.0 32.0 30.0	17	2.2	2.3	300	270	440	90×130	65	60×100	4-φ14	φ115	φ85	4-φ14
32-125	3.1 4.5 5.8	22.0 20.0 18.0	29	1.1	2.3	260	230	435	90×130	80	60×100	4-φ14	φ140	φ100	4-φ18
32-160	3.1 4.5 5.8	33.0 32.0 30.0	29	2.2	2.3	320	270	460	100×150	90	60×110	4-φ14	φ140	φ100	4-φ18
32-200	3.1 4.5 5.8	51.0 50.0 48.0	17	4	2.0	340	330	530	120×170	85	80×130	4-φ14	φ140	φ100	4-φ18
40-125	4.4 6.3 8.3	21.0 20.0 18.0	31	1.5	2.3	280	230	445	100×150	85	60×110	4-φ14	φ150	φ110	4-φ18
40-160	4.4 6.3 8.3	33.0 32.0 30.0	25	3	2.3	320	270	490	100×150	90	60×110	4-φ14	φ150	φ110	4-φ18
40-200	4.4 6.3 8.3	51.0 50.0 48.0	18	5.5	2.3	340	330	555	120×170	95	80×130	4-φ14	φ150	φ110	4-φ18
40-250	4.4 6.3 8.3	82.0 80.0 74.0	13	11	2.3	400	405	655	120×170	95	80×130	4-φ14	φ150	φ110	4-φ18
50-100	8.8 12.5 16.3	13.6 12.5 11.3	47	1.5	2.3	290	230	455	100×150	95	60×110	4-φ14	φ165	φ125	4-φ18
50-125	8.8 12.5 16.3	21.5 20.0 17.8	43	2.2	2.3	300	240	470	100×150	95	60×110	4-φ14	φ165	φ125	4-φ18
50-160	8.8 12.5 16.3	33.0 32.0 30.0	37	4	2.3	320	300	540	120×170	100	80×130	4-φ14	φ165	φ125	4-φ18
50-200	8.8 12.5 16.3	52.0 50.0 48.0	31	7.5	2.3	360	350	615	120×170	100	80×130	4-φ14	φ165	φ125	4-φ18
50-250	8.8 12.5 16.3	82.0 80.0 77.5	23	15	2.3	440	430	750	140×200	105	100×160	4-φ18	φ165	φ125	4-φ18
65-100	17.1 25.0 32.5	13.7 12.5 10.5	54	2.2	2.5	320	235	475	140×200	100	100×160	4-φ18	φ185	φ145	4-φ18
65-125	17.1 25.0 32.5	21.5 20.0 18.0	53	3	2.5	340	280	550	140×200	105	100×160	4-φ18	φ185	φ145	4-φ18
65-160	17.1 25.0 32.5	34.4 32.0 29.5	48	5.5	2.5	360	305	570	140×200	105	100×160	4-φ18	φ185	φ145	4-φ18
65-200	17.1 25.0 32.5	52.7 50.0 45.5	43	11	2.5	380	350	625	140×200	105	100×160	4-φ18	φ185	φ145	4-φ18
65-250	17.1 25.0 32.5	82.0 80.0 76.5	35	18.5	2.5	480	435	755	160×220	120	120×180	4-φ18	φ185	φ145	4-φ18
80-100	35 50 65	13.8 12.5 10.0	58	4	3.0	400	285	570	140×200	120	100×160	4-φ18	φ200	φ160	8-φ18
80-125	35 50 65	22.0 20.0 17.0	57.5	7.5	3.0	400	360	645	140×200	120	100×160	4-φ18	φ200	φ160	8-φ18
80-160	35 50 65	35.0 32.0 28.0	56	11	3.0	400	360	650	140×200	125	100×160	4-φ18	φ200	φ160	8-φ18
80-200	35 50 65	53.5 50.0 46.0	52	18.5	3.0	430	430	775	140×200	125	100×160	4-φ18	φ200	φ160	8-φ18
80-250	35 50 65	83.0 80.0 72.0	44	30	3.0	480	465	840	160×220	130	120×180	4-φ18	φ200	φ160	8-φ18
100-100	70 100 130	13.6 12.5 11.0	61	7.5	4.5	460	360	670	160×220	140	120×180	4-φ18	φ220	φ180	8-φ18
100-125	70 100 130	23.5 20.0 14.0	61	15	4.5	440	430	785	160×220	140	120×180	4-φ18	φ220	φ180	8-φ18
100-160	70 100 130	36.5 32.0 24.0	61	18.5	4.5	500	430	795	160×220	160	120×180	4-φ18	φ220	φ180	8-φ18
100-200	70 100 130	54.0 50.0 49.0	59	30	4.0	480	475	850	160×220	140	120×180	4-φ18	φ220	φ180	8-φ18
100-250	70 100 130	87.0 80.0 68.0	54	45	4.0	550	520	960	160×220	140	120×180	4-φ18	φ220	φ180	8-φ18
125-125	96 160 192	22.6 20.0 17.0	65	18.5	4.0	520	430	840	190×280	165	130×220	4-φ18	φ250	φ210	8-φ18
125-160	96 160 192	36.0 32.0 27.0	63	30	4.0	520	460	920	190×280	165	130×220	4-φ18	φ250	φ210	8-φ18
125-200	96 160 192	55.0 50.0 46.0	62	45	5.5	560	510	1040	250×300	160	200×250	4-φ22	φ250	φ210	8-φ18
125-250	96 160 192	87.0 80.0 73.0	60	75.0	5.0	600	660	1180	250×300	150	200×250	4-φ22	φ250	φ210	8-φ18



产品特点 PRODUCT FEATURES

CQB-F型衬氟磁力泵的过流部件均采用“聚偏二氟塑料合金(PVF2)和超高分子量聚乙烯(UHMWPE)”制造。在常温下, PVF2对卤素、卤代烃、强氧化剂、沸酸、碱等多种有机溶剂都有良好耐蚀性; UHMWPE对非氧化性酸(稀硫酸、硝酸及浓度较大的盐酸、磷酸、氢氟酸、甲酸、乙酸)、氨和胺及各种碱、盐溶液都有良好的耐蚀性, 两种材料都不耐强氧化性酸的腐蚀。氟合金泵的外壳为金属材料, 有足够的强度承受管道以及外界的机械冲击。传动功率3kW以下的采用全氟结构。

All flow-through parts of CQB-F fluorine lining magnetic pump are made of PVF₂ and UHMWPE. Under normal temp., PVF₂ has a fine corrosion resistance to many organic solvents like halogen, halogenated hydrocarbon, strong oxidant, boiling acid and alkali; UHMWPE has a fine corrosion resistance to inoxidable acid (dilute sulfuric acid, nitric acid and large concentration hydrochloric acid, phosphorus acid, hydrofluoric acid, formic acid and acetic acid), ammonia, amine and various alkali and salty solutions. Both materials can't resist the corrosion of strong oxidable acid. The fluorine alloy pump has a metal shell with enough tenacity to afford the mechanical impact from the pipeline and outside. Those with transmission power below 3KW adopt full fluorine structure.

型号意义 SIGNIFICATION OF MODEL

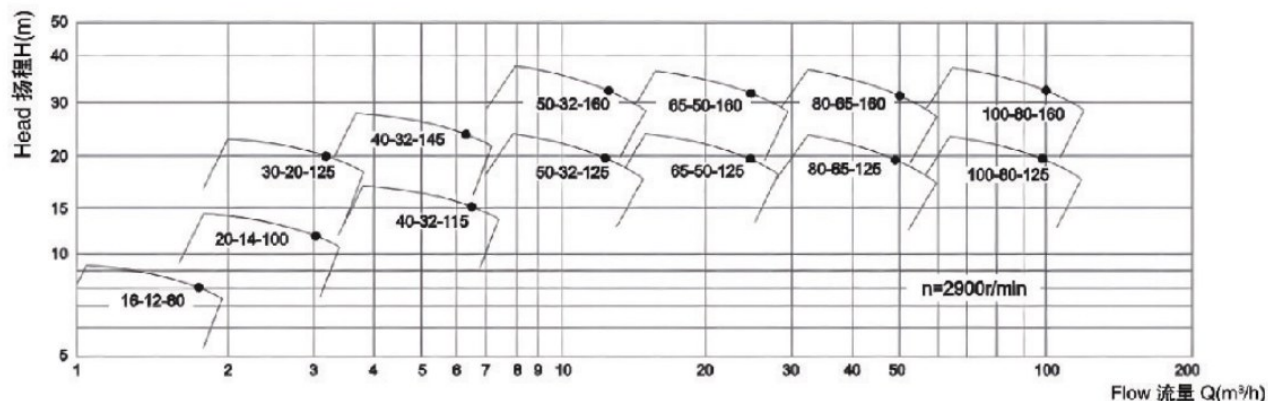
CQB 40 - 25 -160 F

过流部件为氟塑料 Wet parts as fluoric plastic
叶轮直径(mm) Impeller diameter (mm)
出口直径(mm) Outlet diameter (mm)
进口直径(mm) Inlet diameter (mm)
磁力泵 Magnetic pump

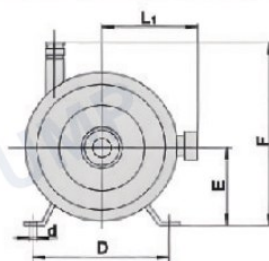
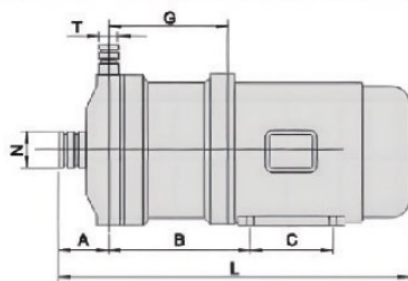
性能参数 PERFORMANCE PARAMETERS

型号 Model	口径 Caliber (mm)		流量 (m ³ /h) Flow	扬程 (m) Head	电机功率 (kW) Motor power	转速 (r/min) Rotary speed	电压 (V) Voltage
	进口 Inlet	出口 Outlet					
CQB15-10-85F	15	10	1.8	8	0.12	2900	220
CQB20-15-105F	20	15	3	12	0.37	2900	220
CQB15-10-85F	15	10	1.8	8	0.12	2900	380
CQB20-15-105F	20	15	3	12	0.37	2900	380
CQB32-25-125F	32	25	3.2	20	0.75	2900	380
CQB40-32-115F	40	32	6.3	15	0.75	2900	380
CQB40-32-145F				25	1.5	2900	380
CQB50-40-125F	50	40	12.5	20	1.5	2900	380
CQB50-40-160F				32	3	2900	380
CQB65-50-125F	65	50	25	20	4	2900	380
CQB65-50-160F				32	5.5	2900	380
CQB80-65-125F	80	65	50	20	7.5	2900	380
CQB80-65-160F				32	11	2900	380

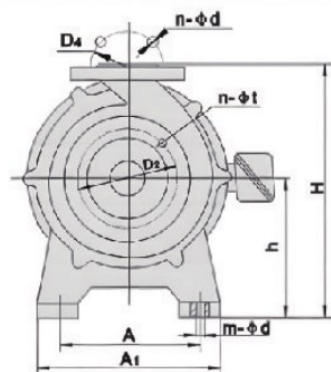
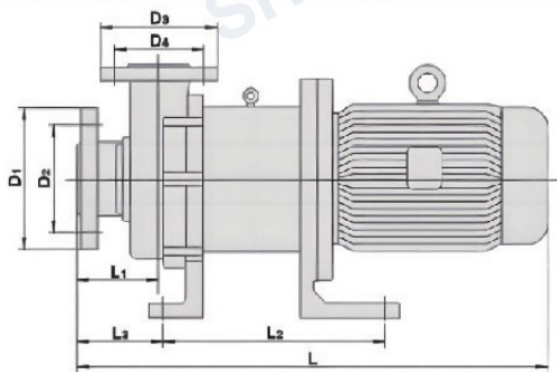
型谱图 TYPE ARRANGEMENT CHART



安装尺寸 INSTALLATION DIMENSIONS



型号 Model	A	B	C	D	E	F	d	G	L ₁	L	N	T
CQB15-10-85F	56.5	93.5	80	100	63	144	7	87.5	75	304	22	18
CQB20-15-105F	54.5	125.5	90	112	71	165	7	111.5	85	340	26	18



型号 Model	D ₁	D ₂	n-φt	D ₃	D ₄	n-φd	L ₃	L ₂	L ₁	L	A	A ₁	h	H	m-φd
CQB32-25-125F	140	100	4-17.5	115	85	4-13.5	80	200	69	500	140	180	140	254	4-13.5
CQB40-32-115F	150	110	4-17.5	140	100	4-17.5	86	200	73	406	160	200	150	280	4-13.5
CQB40-32-145F	150	110	4-17.5	140	100	4-17.5	86	200	73	506	160	200	150	280	4-13.5
CQB50-40-125F	165	125	4-17.5	150	110	4-17.5	80	200	83	528	190	240	165	310	4-13.5
CQB50-40-160F	165	125	4-17.5	150	110	4-17.5	80	250	83	583	190	240	165	310	4-13.5
CQB65-50-125F	185	145	4-17.5	165	125	4-17.5	83	258	81	600	194	250	200	380	4-17.5
CQB65-50-160F	185	145	4-17.5	165	125	4-17.5	83	258	81	600	194	250	200	380	4-17.5
CQB80-65-125F	200	160	4-17.5	185	145	4-17.5	102	342	101	740	230	300	250	450	4-25
CQB80-65-160F	200	160	4-17.5	185	145	4-17.5	102	342	101	900	230	300	250	450	4-25



产品特点 PRODUCT FEATURES

ZBF型产品符合JB/T 7742-1995《小型磁力传动离心泵》标准，为全国磁力泵联合设计的优化产品。结合国外的先进技术，采用外混式结构的自吸塑料磁力泵。该泵以增强聚丙烯为主要材料，自吸时间短、寿命长，是自动化远程控制和流动输送强腐蚀液体的无泄漏泵。

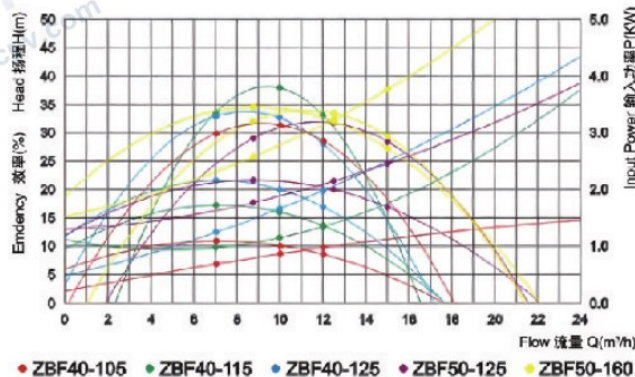
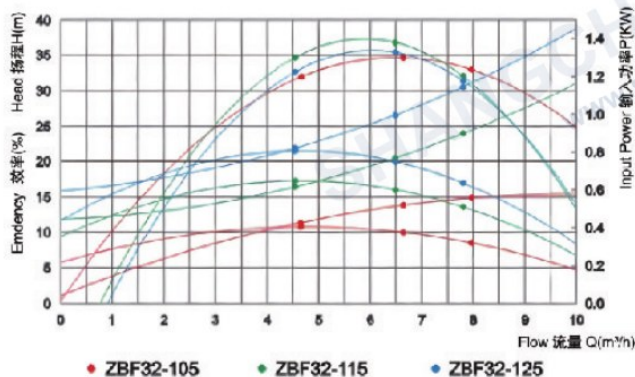
ZBF product complies with JB/T 7742-1995 Standard for Small Magnetic Transmission Centrifugal Pump and is an optimum product for the integrated design of magnetic pump all over the country. Selfpriming plastic magnetic pump adopts an outer recirculation structure combining foreign advanced technology. It is mainly made of reinforced PP with short time of self-priming and long life, a kind of zero-leakage pump for automation long distance control and fluid transmission of strongly corrosive liquid.

型号意义 SIGNIFICATION OF MODEL

ZBF 40 - 125

叶轮直径(mm) Impeller diameter (mm)
进出口直径(mm) Inlet & Outlet diameter (mm)
自吸式塑料磁力泵 Self-priming Plastic Magnetic Pump

性能曲线 PERFORMANCE GRAPH



性能参数 PERFORMANCE PARAMETERS

型 号 Model	口径 Caliber (mm)		流量 (m³/h) Flow	扬程 (m) Head	吸程 (m) Suction Lift	电机功率 (kW) Motor power	转速 (r/min) Rotary speed	电压 (V) Voltage	频率 (Hz) Frequency
	进口 Inlet	出口 Outlet							
ZBF32-105	32	32	6.5	10	5	0.75	2900	380	50
ZBF32-115				16	5	1.1	2900	380	50
ZBF32-125				20	5	1.5	2900	380	50
ZBF40-105	40	40	10	10	5	1.1	2900	380	50
ZBF40-115				16	5	1.5	2900	380	50
ZBF40-125				20	5	2.2	2900	380	50
ZBF50-125	50	50	12.5	20	5	3	2900	380	50
ZBF50-160				32	5	4	2900	380	50

磁力泵安装和使用 INSTALLATION AND OPERATION OF MAGNETIC PUMP

- 一、磁力泵应水平安装不宜竖立，塑料泵不得承受管路重量，特殊垂直安装场合，电机务必朝上。
- 二、抽吸液面高于泵轴线时，启动前先开吸入管道阀门；抽吸液面低于泵轴线，管道需配备底阀。
- 三、泵使用前应进行检查，电机转动要灵活，无卡滞及异常声响，各紧固件无松动现象。
- 四、检查电机旋转方向与转向标记是否一致。
- 五、电机启动后，缓慢打开排出阀，待泵进入正常工作状态后，再将排出阀调到所需开度。
- 六、泵停止工作前，应先关闭排出阀门，然后关闭吸入管阀门。

1. Magnetic pump should be horizontally installed, but not upright. Plastic pump is not able to endure the weight of pipeline. In case of special occasions requiring upright installation, motor should be kept upward.
2. When liquid level is higher than the centerline of pump, turn on the valve of intake pipe before start; when liquid level is lower than the centerline, a bottom valve should be fitted to the pipeline.
3. Check before operation to make sure that motor rotates flexibly without jamming and abnormal sound, and that all fasteners are not loosened.
4. Check whether motor rotates in accordance with the direction sign.
5. After motor is started, slowly turn on discharge valve. When pump enters normal working state, adjust the discharge valve to the required opening.
6. Before pump stops working, turn off discharge valve first, and then the valve of intake pipe.

磁力泵注意事项 CAUTIONS FOR MAGNETIC PUMP

- 一、因磁力泵轴承的冷却和润滑是靠被输送的介质，所以绝对禁止空载运转，同时应避免在工作中途停电后再启动所造成的空载运转。
- 二、被输送介质中，若含有固体颗粒，泵入口要加过滤网；如含有铁磁质微粒，需加磁性过滤器(本公司有生产，属于选配件)。
- 三、被输送的介质及其温度应在泵材允许范围内(请向相关部门技术咨询)。工程塑料泵的使用温度 $<60^{\circ}\text{C}$ ，进口压力不大于 0.1MPa ，最大工作压力为 0.6MPa ；金属泵的使用温度 $<100^{\circ}\text{C}$ ，输送进口压力不大于 0.2MPa ，最大工作压力 1.6MPa ；
- 四、对于输送液为易沉淀结晶的介质，使用后应及时清洗，排净泵内积液。
- 五、磁力泵长时间运行或运行过程发现泵有异常情况(噪音大，震动加剧)后，应拆检轴承和端面动环的磨损情况，若轴承和轴套的间隙大于 $0.5\sim 1\text{mm}$ ，叶轮轴向窜动 $2\sim 3\text{mm}$ 时，应更换轴承和轴向动环。

1. As the cooling and lubrication of magnetic pump's bearing depends on the medium to be handled, that's why unloaded operation is absolutely prohibited. Meanwhile, pay close attention to avoid the unloaded operation after re-start due to power cut in process.
2. If the mediums to be handled contain solid particles, then there should be a filter net at the entrance of pump. If there are ferromagnetic particles contained in mediums, a magnetic filter should be fitted (available in factory for your options).
3. The mediums to be handled, as well as their temperature, should be kept within the allowed scope of pump material (please consult with relative technical department). The service temperature of engineering plastic pump should be $<60^{\circ}\text{C}$, inlet pressure not greater than 0.1Mpa , maximum working pressure at 0.6Mpa ; the service temperature of metal pump should be $<100^{\circ}\text{C}$, inlet pressure not greater than 0.2MPa , maximum working pressure at 1.6Mpa .
4. For mediums easily deposited or crystallized, please flush immediately after use to clear away the deposited liquid inside.
5. In case of any abnormal conditions (like large noise or violent vibration) occurred after long-time operation or during operation, disassemble the bearing and end-face rotating ring for examination of abrasion. If the clearance between bearing and axle sleeve is greater than $0.5\sim 1\text{mm}$, and axial drunkenness of impeller from $2\sim 3\text{mm}$, then the bearing and axial rotating ring should be replaced.

磁力泵使用环境 SERVICE CONDITIONS OF MAGNETIC PUMP

环境温度： $-20\sim 40^{\circ}\text{C}$ ；环境湿度：95%；海拔高度：不超过1000米(大于时应在订货时提出)。

- 警告：a)、泵用电机应由专业人员进行有效安全接地，永久性标志为 。
- b)、为防止触电，维修或清理磁力泵前应切断电源。



- 1、磁力泵在维修拆装过程中，内、外磁钢部件辐射出来的磁场将对如：心脏起搏器、信用卡、计算机磁盘、手表、精密仪器、仪表等产生磁场干扰，甚至产生危害性的影响。
 - a) 上述物件应远离磁性器件，保持1米以上的距离。
 - b) 装配好的整机磁力泵，不存在上述问题，因结构上有磁回路屏蔽，可放心使用。
- 2、装配内磁转子对准外磁转子轴向到位时，由于磁吸力(尤其是钕铁硼或稀土钴强磁)，用户应采取适当的缓冲措施，以免卡、夹手指，防止工伤事故。

Ambient Temperature: $-20\sim 40^{\circ}\text{C}$; Ambient humidity: 95%; Height above sea level: not exceeding 1,000m (if beyond, please clarify when placing an order).

- Warning: a) Pump motor should be safely earthed by a professional, permanent sign as 。
- b) To avoid electric shock, the maintenance and cleaning of magnetic pump should be done after power supply is cut off.



1. When disassembling magnetic pump, the magnetic field radiated by inner and outer magnet steel components may produce interference, and even harmful influence to heart pacemaker, credit card, computer disk, watch, precision instrument, meter and etc.,
 - a) The above articles should be kept over 1 meter away from magnetic parts.
 - b) The above-mentioned problems don't happen to assembled overall magnetic pump, because there is provided with a magnetic loop shield for your reassurance.
2. When inner magnet rotor is leveled to outer magnet rotor axially, and due to magnetic force (especially the strong magnet of NdFeB or rare earth-cobalt), users must take appropriate buffering measures to avoid work accidents like fingers being clamped.



在使用本产品前请仔细阅读本手册，本将其放在设备附近以备将来参阅。

Before use, please read this manual carefully and be placed nearby to the equipment for future reference



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