

YQSP屏蔽式 井用潜水电机电泵

YQSP Series Canned
Submersible Motor Pump



节能
Save Energy



环保
Green



耐用
Durable



合肥新沪屏蔽泵有限公司
HEFEI XINHU CANNED MOTOR PUMP CO.,LTD



公司介绍 Company Profile

合肥新沪屏蔽泵有限公司是浙江大元泵业股份有限公司(股票代码: 603757.SH)的全资子公司, 专注于屏蔽泵的研发和制造。新沪公司作为全国泵标准委员会委员单位、全国旋转电机标准化技术委员会-起重冶金和屏蔽电机标准化技术委员会委员单位, 参与起草了一系列屏蔽泵和屏蔽电机的标准。新沪产品远销欧美亚多个国家和地区, 广泛应用于化工、石化、石油精炼、纺织、机车、中央空调、航空航天、核电、空调系统冷暖循环供水、建筑、环保、暖通、新能源等诸多领域。可靠的产品品质, 贴心的售后服务, 为新沪赢得了广泛美誉。

新沪公司愿与您诚信携手、共创辉煌。

As a wholly-owned subsidiary of Zhejiang Dayuan Pumps Industrial Co., Ltd. (Shanghai Stock Exchange stock code: 603757), Shinhoo is specialized in canned motor pump Manufacturing. As a member units of national pump standardization technical committee as well as Crane, Metallurgical Motors and Canned Motors standardization technical committee of national electric rotating machinery standardization technical committee, we participated drafting work of a series of standards regarding canned motor and canned motor pumps. Our products are sold abroad to many countries in America, Europe, Asia and other areas being widely used in chemical industry, petrification, petroleum refining, locomotive, central air conditioning, aerospace, military industry, nuclear power, air conditioning system cooling and heating circulation, construction, environment protection, ventilation and new energy. With reliable quality and attentive service, we have gained a high reputation in the market. We sincerely hope to cooperate with you for a splendid future together.

100+
出口国家
Countries Exported

200+
研发人员
R & D Personnel

1000+
企业员工
Employees

15W m²
占地面积
Facility Area

500W+
年产量
Pumps Produced Annually

产品简介 / Product Introduction

YQSP系列屏蔽潜水电机电泵是新沪最新开发的产品, 采用先进的生产技术和设备, 优质定子绕组, 采用特殊的自修复树脂固定在完全密封的不锈钢定子外壳中, 由于固定且不与液体接触, 定子绕组避免了可能的水冲击和磨损, 并且具有良好的机械保护, 该特种树脂具有良好的导热性, 以有机环保冷却液为润滑系统, 改善电机冷却条件, 通过止回阀过滤系统在电机运行过程中随时从井中自动补充。该技术的应用避免了因密封问题造成的水污染问题。因此, 该电机具有节能、环保、耐用的优点。

YQSP Series canned submersible motor pump is the newest product developed by Shinhoo, which can be used advanced production technology and equipment, the high-quality stator winding with special self-healing resin fixed in the fully sealed stainless steel stator shell, because of fixed and not contact with liquid, stator winding avoids possible water impact and wear, and has been good mechanical protection, and the special resin has good heat conduction performance to improve the motor cooling conditions with organic environmental cooling liquid as a lubrication system, through the check-valve filter system in the motor running process at any time from the well automatically replenished. The application of this technology avoids the problem of water pollution caused by sealing problem. Therefore, the motor has the advantages of energy saving, environmental protection and durability.



节能
Save Energy



高效
Efficient



便捷
Convenient



环保
Green



耐用
Durable

产品特点 / Product Features

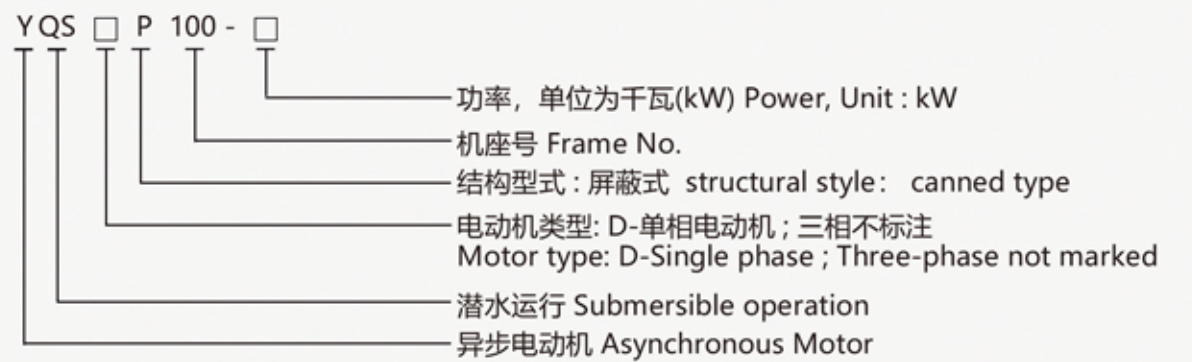
- 配备4英寸井用潜水泵，应用于4英寸及以上水井
 - 304电机泵体
 - 插入式电缆
 - 低功耗硅钢片确保高启动扭矩
 - 采用免维护水润设计的推力轴承可以承受高强度轴向推力载荷
 - 止回阀过滤系统的自动补充
 - 100%模拟250M水工况绝缘实验
 - 特殊环氧树脂灌注，高效导热，延长使用寿命
- Equipping With 4" submersible pump, it is applicable to 4" or above the wells
 - 304ss motor casing
 - Plug-in cable
 - Low power silicon steel laminated plate ensure high start-up torque
 - A thrust bearing designed with maintenance-free water lubrication can withstand high strength axial thrust load
 - Automatic replenishment of the check valve filtration system
 - 100% simulated 250m water work condition insulation test
 - Special Epoxy resin perfusion, high efficiency heat conduction to ensure longer service life

电机标准 / Motor Standard

功率范围 / Power range	单相或三相 / Single-phase or Three-phase
单相电机功率 / Single-phase motor power	0.25kW -2.2kW
三相电机功率 / Three-phase motor power	0.37kW -7.5kW
额定电压和频率 / Rated voltage and frequency	115V/60Hz、 380V/50Hz、 230V/50Hz、 230V/60Hz
保护等级 / Protection Rating	IP68
最大启动次数 / Maximum startup times	20 times / h
冷却流量 / Cooling flow	Min.0.08 m/s
介质 PH 范围 / PH range of media	6.5-8.0
连接方式 / Connection mode	4 " NEMA 标准 / 4" NEMA standard
绝缘等级 / Insulation Grade	F
环境温度 / Ambient temperature	30 °C
启动方式 / Starting mode	0.25-7.5kW直接启动 / 0.25-7.5kW start directly
推力负荷 / Lower thrust load	3500N, 6500N

性能及参数 / Type Performance And Parameters

型号定义 Model Identification

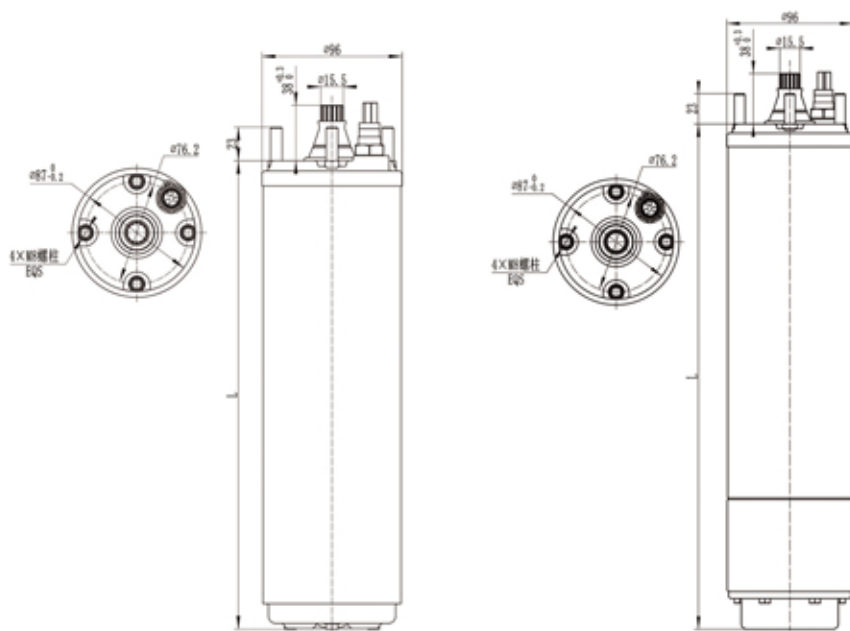


YQSP100 4 inch specifications									
序号 Number	产品规格型号 Model	线制 Line system	电压/频率/相数 V/Hz/Phase number	额定点性能 / Rated performance					
				输出功率 Power(kW)	转速/Speed (r/min) +/-5%	转矩 Torque (N.m)-10%	电流 Rated current(A)	功率因数 Power factor ≥-0.07	效率/Efficiency(%) ≥-0.15 (1-效率)
1	YQSDP100-0.25	3 line	AC230V/50HZ/1	0.25	2850	0.8	2.1	0.95	50
2	YQSDP100-0.37			0.37	2840	1.1	3.3	0.93	55
3	YQSDP100-0.55			0.55	2820	1.7	4.5	0.95	57
4	YQSDP100-0.75			0.75	2830	2.4	5.8	0.95	61
5	YQSDP100-1.1			1.1	2840	3.5	7.8	0.95	65
6	YQSDP100-1.5			1.5	2830	4.9	10.6	0.95	66
7	YQSDP100-2.2			2.2	2869	7.4	14.5	0.98	68
8	YQSP100-0.37	3 line	AC380V/50HZ/3	0.37	2840	1.1	1.3	0.72	65
9	YQSP100-0.55			0.55	2840	1.7	1.9	0.72	66
10	YQSP100-0.75			0.75	2840	2.4	2.4	0.73	68
11	YQSP100-1.1			1.1	2820	3.7	3.1	0.79	70
12	YQSP100-1.5			1.5	2830	4.9	4.6	0.74	71
13	YQSP100-2.2			2.2	2812	7.7	6.7	0.71	72.8
14	YQSP100-3.0			3	2800	10.4	7.5	0.81	75.1
15	YQSP100-4.0			4	2800	13.9	10	0.82	75.1
16	YQSP100-5.5			5.5	2806	18.9	13.7	0.82	77.2
17	YQSP100-7.5			7.5	2800	25.7	19.5	0.8	77.4
18	YQSDP100-0.37	2 line	AC230V/60HZ/1	0.37	3465	1.5	3.6	0.99	66.5
19	YQSDP100-0.37		AC115V/60HZ/1	0.37	3467	1.5	7.9	0.94	63.7
20	YQSDP100-0.37	3 line	AC230V/60HZ/1	0.37	3420	1.1	2.6	0.98	63.7
21	YQSDP100-0.55			0.55	3450	1.6	3.8	0.98	63.7
22	YQSDP100-0.75			0.75	3425	2.2	5.1	0.99	67.2
23	YQSDP100-1.1			1.1	3457	3.1	6.9	0.99	70.5
24	YQSDP100-1.5			1.52	3410	4.3	9.7	0.99	70.8
25	YQSDP100-2.2			2.2	3414	6.3	13.8	0.99	71.6

电机外形尺寸 / Motor Outline Dimension

产品规格型号 Model	线制 Line system	电压/频率/相数 V/Hz/Phase number	输出功率 Power(kW)	下推力载荷 Thrust loadF(N)	长度 L(mm)	重量 Weight (KG)
YQSP100-0.37		AC380V/50HZ/3	0.37	3500	272	8.7
YQSP100-0.55			0.55		287	9.5
YQSP100-0.75			0.75		307	10.5
YQSP100-1.1			1.1		321	10.9
YQSP100-1.5			1.5		367	13
YQSDP100-0.25	3 line	AC230V/50HZ/1	0.25		272	8.7
YQSDP100-0.37			0.37		287	9.5
YQSDP100-0.55			0.55		307	10.5
YQSDP100-0.75			0.75		321	10.9
YQSDP100-1.1			1.1		367	13
YQSDP100-1.5			1.5		397	14.5
YQSDP100-0.37	3 line	AC230V/60HZ/1	0.37		287	9.5
YQSDP100-0.55			0.55		307	10.5
YQSDP100-0.75			0.75		321	10.9
YQSDP100-1.1			1.1		367	13
YQSDP100-1.5			1.5		397	14.5
YQSDP100-0.37	2 line	AC230V/60HZ/1	0.37			
YQSDP100-0.37		AC115V/60HZ/1	0.37			

* Figure 1



* Figure 1

* Figure 2

产品规格型号 Model	线制 Line system	电压/频率/相数 V/Hz/Phase number	输出功率 Power(kW)	下推力载荷 Thrust loadF(N)	长度 L(mm)	重量 Weight (KG)
YQSP100-2.2		AC380V/50HZ/3	2.2	6500	477	16.6
YQSP100-3.0			3		542	21.1
YQSP100-4.0			4		602	24.1
YQSP100-5.5			5.5		712	29.3
YQSP100-7.5			7.5		812	34.2
YQSDP100-2.2	3 line	AC230V/50HZ/1	2.2		582	22.2
YQSDP100-2.2		AC230V/60HZ/1	2.2		582	22.2

* Figure 2

注意事项 / Points To Note

4英寸潜水电机的操作必须遵守以下安全规定：

*只能在水下运转电机

*为了减少电机及机组的非正常运转，在接通电机前检查供电系统及保护装置系统

*在泵或出口管中安装止回阀(距离泵7米)，防止出现水锤现象损害泵及电机

*电机运行时，周围水温不低于0℃，不高于30℃，更高的水温仅适用于高温电机

*电机运行时，需对应电机铭牌，检查工作电流、电压、频率是否正常

*如果出现以下情况，请立即关闭电机：

·超过铭牌电流

·电压容差范围为额定电压+6%/-10%，50Hz; +/-10%，60Hz，见铭牌额定电压对电机进行测量，超出电压容差范围

·干运转

*严禁不当使用新沪潜水电机电泵，如泵送空气或爆炸性介质

*在任何情况下，电机都不能储存在高于 35℃ 的温度下，因为这可能导致灌装液泄漏和电机过早故障

The following safety rules must be observed when operating the 4" submersible motor :

*Only run the motor underwater

*In order to minimize abnormal operation of the motor and the unit, check the power supply system and the protective device system before switching on the motor

*Install a check valve in the pump or outlet pipe (7 meters from the pump) to prevent water hammer from damaging the pump and motor

*When the motor is running, the surrounding water temperature is not lower than 0°C and not higher than 30°C, higher water temperature is only applicable to high temperature motors

*When the motor is running, it is necessary to correspond to the nameplate of the motor and check whether the working current, voltage and frequency are normal

*If there are any of the following, shut down the motor immediately :

·Exceeding the nameplate current

·The voltage tolerance range is +6%/-10% of the rated voltage, 50Hz; +/-10%, 60Hz, see the nameplate rated voltage to measure the motor, exceeding the voltage tolerance range

·Dry running

*Improper use of Shinhoo submersible motor pump, such as pumping air or explosive media, is strictly prohibited

*Under no circumstances should the motor be stored at temperatures higher than 35°C, as this may lead to leakage of filling liquid and premature motor failure

应用场景 / Application Area

