

 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



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

AS切割式潜水排污泵
AS Cutting type submerged drain pump

产品说明书 Product specification



上海上诚泵阀制造有限公司

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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 automatic system to perform water pump test, which can make the customer to use our products safely, effectively and easily.

The ISO 9001:2000 "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.

AS切割式潜水排污泵简介 Brief Introduction of AS Cutting type submerged drain pump

AS切割式潜水排污泵 AS Cutting type submerged drain pump



AS切割式潜水排污泵
(配潜水电机) 机械密封
AS Cutting type submerged drain pump
Submersible Motor > Mechanical Seal

特点 Features

- 本型泵特别设计了一种特殊的撕裂机构，能够将纤维物质撕裂、切断，然后顺利排放，而无需在泵上加装滤网，因此本型泵特别适用于输送含有长纤维物质的污水；
- 采用最新材料精制而成的机械密封，其使用寿命可达8000小时以上；
- 具有全扬程泵的特点，能够在全扬程范围内工作而保证电机不会过载；
- 可采用双导轨自动耦合安装装置，使机组的安装、维修方便、快捷；
- 可根据用户的需要配备各种形式的自动控制柜，不需专人看管，使用极为方便，且易于实现自动化管理。
- This type pump has a particularly designed tearing mechanism. It can tear, cut fibre matters, and then drains them smoothly without needing filter net. So this type pump is particularly suitable for transporting sewage contained long fibre.
- Mechanical seal adopts the latest material and is made with extra care, so its life is over 8000 hours.
- It has full head feature. It can operate within the full head scope with assurance that the motor will not be overload.
- It can adopt double-way and automatic coupling installation device which makes the installation, maintenance of the unit convenient and quick.
- The pump can be equipped with various forms automatic control cabinets according to the consumer's requirements. It doesn't need special person to guard, so the application is quite convenient and it is easy to realize automatic management.

用途 Applications

- 生活污水排放 Living waste water discharging
 - 临时排涝 Temporary floodwater discharging
 - 市政工程排污系统 Sewage system of municipal works
 - 公共设施污水排放 Waste water discharging of public facility
 - 厂矿企业排污系统 Sewage system in factory and mine corporation
 - 其他排水系统 Other water-discharging system
- 特别适用于抽送含有长纤维物质的污水污物 Particularly unit to be used to transport sewage containing long fibrin matters

工作条件 Operating Conditions

- 流量范围 Capacity scope: 0~180m³/h;
- 扬程范围 Head scope: 0~17m;
- 额定转速 Rated speed: 1450~2900r/min;
- 系统压力 System pressure: ≤ 0.6MPa;
- 介质温度 Medium temperature: -15℃~+60℃;
- 介质密度 Medium consistency: ≤ 1.3 × 10³kg/m³;
- 介质PH值范围 Medium PH scope: 5~9;
- 电机防护等级 Motor protection class: IP68;
- 电机绝缘等级 Motor insulation class: F级 F grade;
- 旋转方向 Rotation: 由电机向叶轮看顺时针旋转 clockwise rotation viewed from motor;

供货范围 Supply Scope

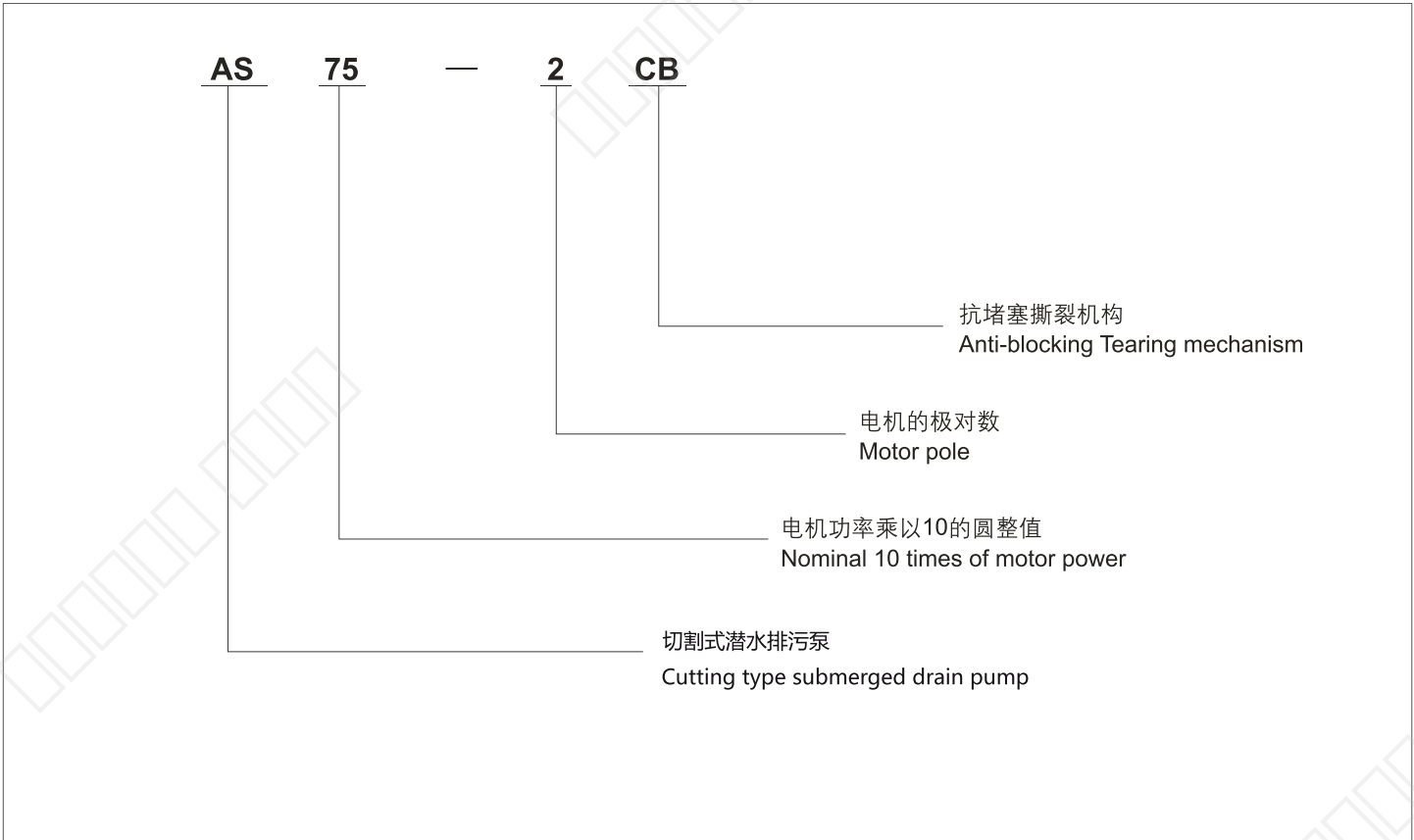
- 水泵（电缆长8米）、包装及使用说明书。水泵的自动耦合安装装置、软管、自动控制装置等可作为附件供货（附件需另计价）。注：特殊温度、压力、强腐蚀性等情形应事先提出，以便提供更为可靠之产品。
 - Pump (Length of the cable is 10 meters), packing and specification. Pump automatic coupling installation device, soft pipe, automatic controllers etc can be provided as accessories (accessories shall be valued separately).
- Note: Cases of special temperature, pressure, high erosion etc should be put forward in advance, so we can provide you more reliable product.

AS型泵型号意义、型谱图

Designation and Hydraulic Coverage of AS Pumps

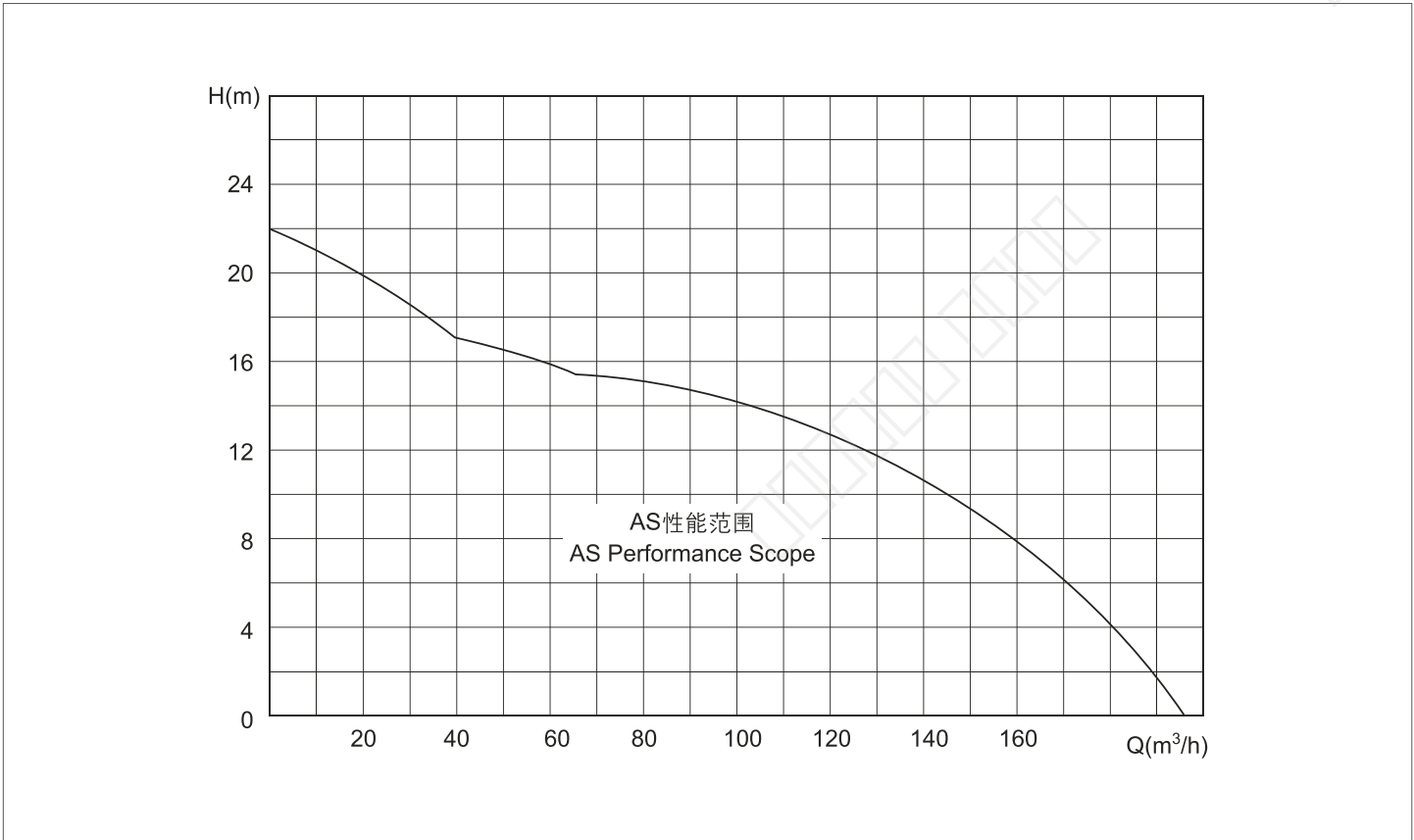
型号意义

Designation



型谱图

Hydraulic Coverage

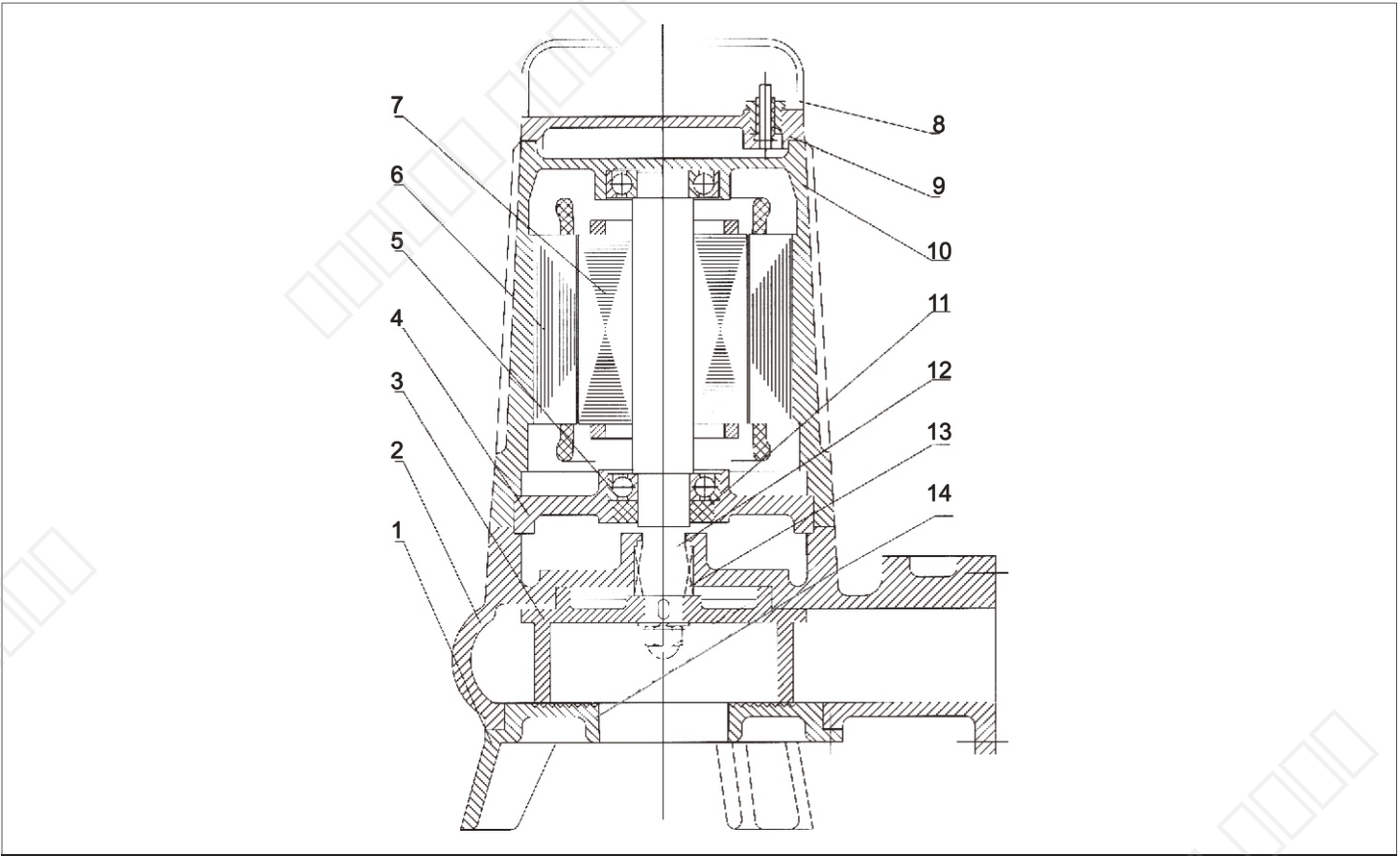


AS型泵结构图及材料表

Structural Drawing and Material Table of AS Pumps

结构图

Structural Drawing



材料表

Material Table

序号 No.	名称 Name	材料 Material	序号 No.	名称 Name	材料 Material
1	底座 Pump case	HT200	8	提手 Handle	型钢 Modulor Steel
2	泵体 Casing	HT200	9	上盖 Upper Cover	HT200
3	叶轮 Impeller	HT200	10	电机壳体 Motor Casing	HT200
4	轴承座 Bearing Stand	HT200	11	油封 Oil Seal	复合材料 Composite Material
5	滚动轴承 Rolling Bearing	轴承钢 Bearing Steel	12	主轴 Pump Shaft	不锈钢 Stainless Steel
6	定子铁心 Stator Core	DR510	13	机械密封 Mechanical Seal	组件 Assemly cenits
7	转子铁心 Rotor Core	DR510	14	切割绞盘 Cut capstan	优质碳钢 High Grade Cast iron

安装方式

Installation Ways

根据用户的要求及实际情况，可选择下列安装方式：

- 移动式安装；
- 固定式硬管安装；
- 自动耦合式安装；
- 附属设备以便用户实现自动化控制。

Following installation ways can be chosen according to the requirments of consumer and prapice conditions.

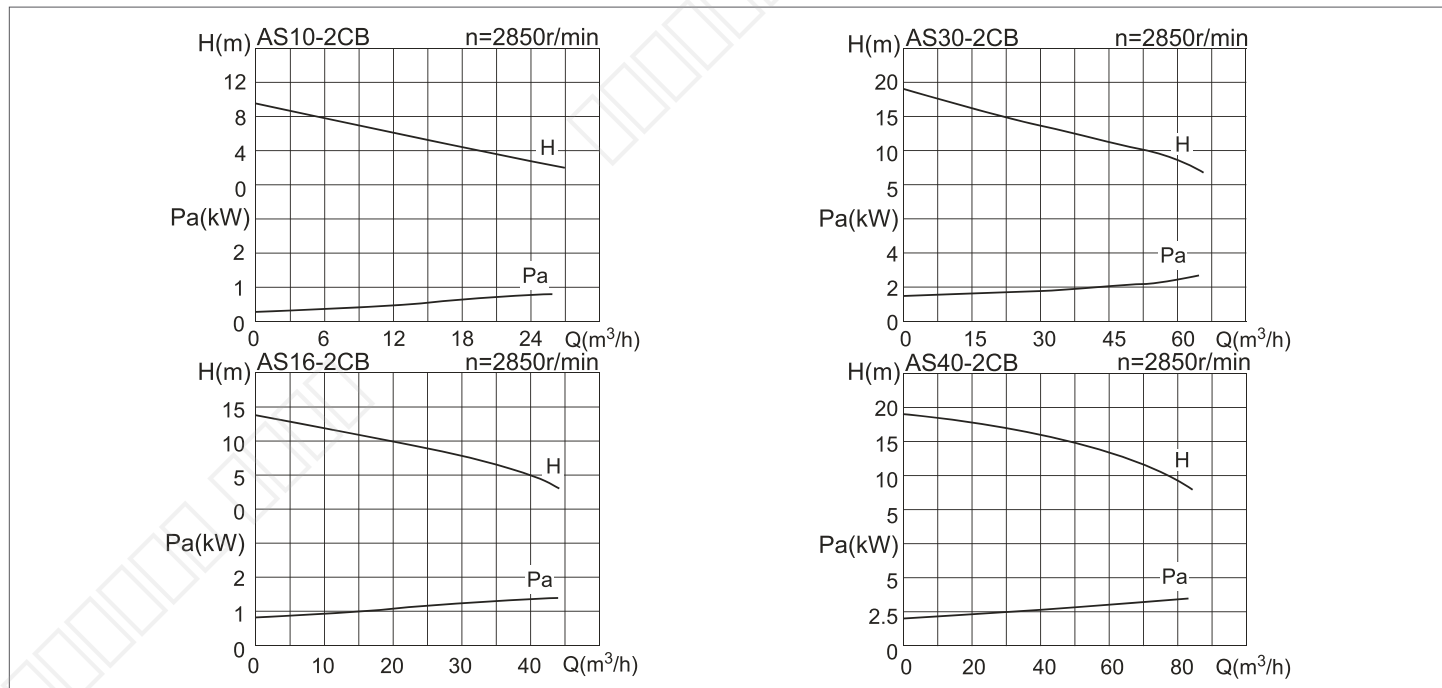
- Mobile installation
- Fixed hard-pipe installation
- Automatic coupling installation

This pump can be equipped with floater switch、fully automatic and special submersibe pump control cabinet、automatic protection device etc according to the requirements of consumer.

The attached equipment will help the consumer realize the automatic control.

AS型泵性能曲线图、性能参数及安装尺寸图表 Performance Curve、Performance Parameters and Installation Dimensions Drawing、Table of AS Pumps

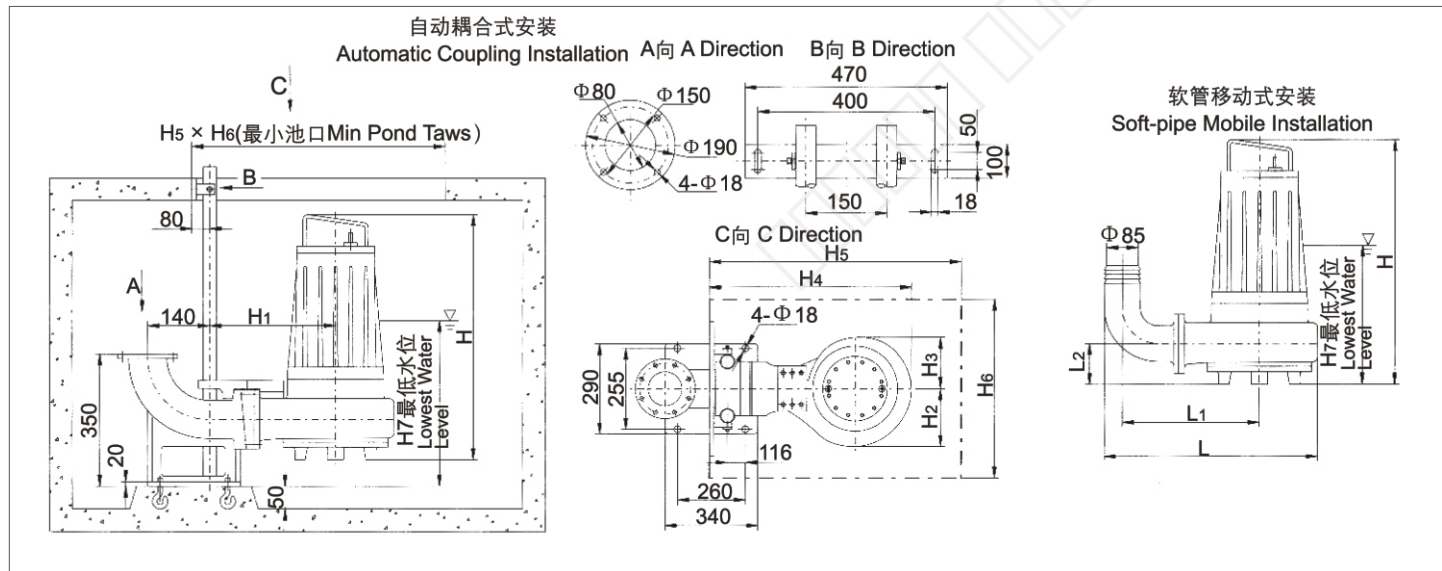
性能曲线图 Performance Curve



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

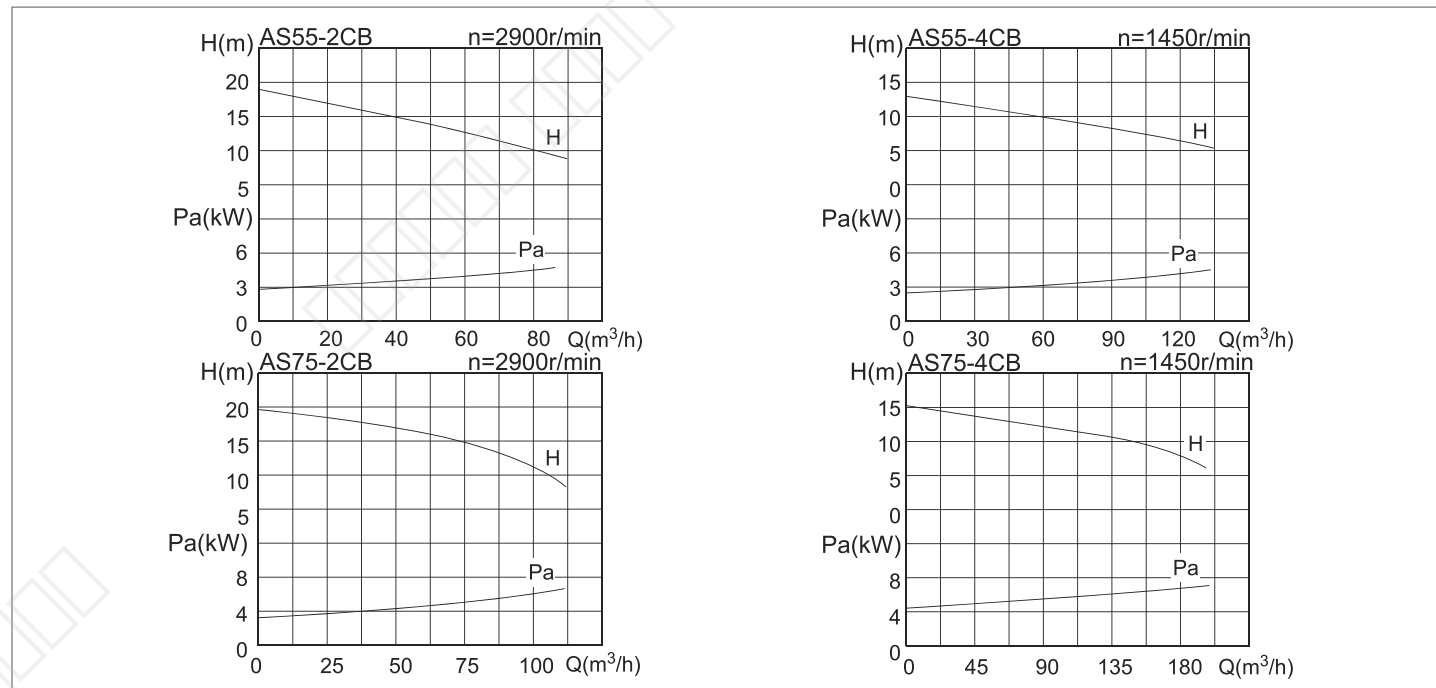
Type	Q (m³/h)	Head (m)	Efficiency (%)	Power (kW)	Speed (r/min)	Coupler Type	H	H ₁	H ₂	H ₃	H ₄	H ₅	H ₆	H ₇	L	L ₁	L ₂	Weight (kg)
泵型号	流量	扬程	效率	电机功率	转速	型号Type	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	泵重量
AS10-2CB	6	4	21	1.1	2850	GAK-80	475	290	105	105	500	750	600	270	420	270	105	30
	17.3	6	30															
AS16-2CB	20	9.5	45	1.5	2850	GAK-80	475	290	105	105	500	750	600	270	420	270	105	33
	29	7.6	50															
AS30-2CB	40	5	48	3	2850	GAK-80	530	325	118	118	523	750	600	285	470	305	105	40
	20	15	48															
AS40-2CB	42	11	54	4	2850	GAK-80	595	340	140	140	560	750	600	350	505	320	105	60
	60	8.2	50															
	28	17	52															
	50	13	55															
	70	10	50															

安装尺寸图 Installation Dimensions Drawing



AS型泵性能曲线图、性能参数及安装尺寸图表 Performance Curve、Performance Parameters and Installation Dimensions Drawing、Table of AS Pumps

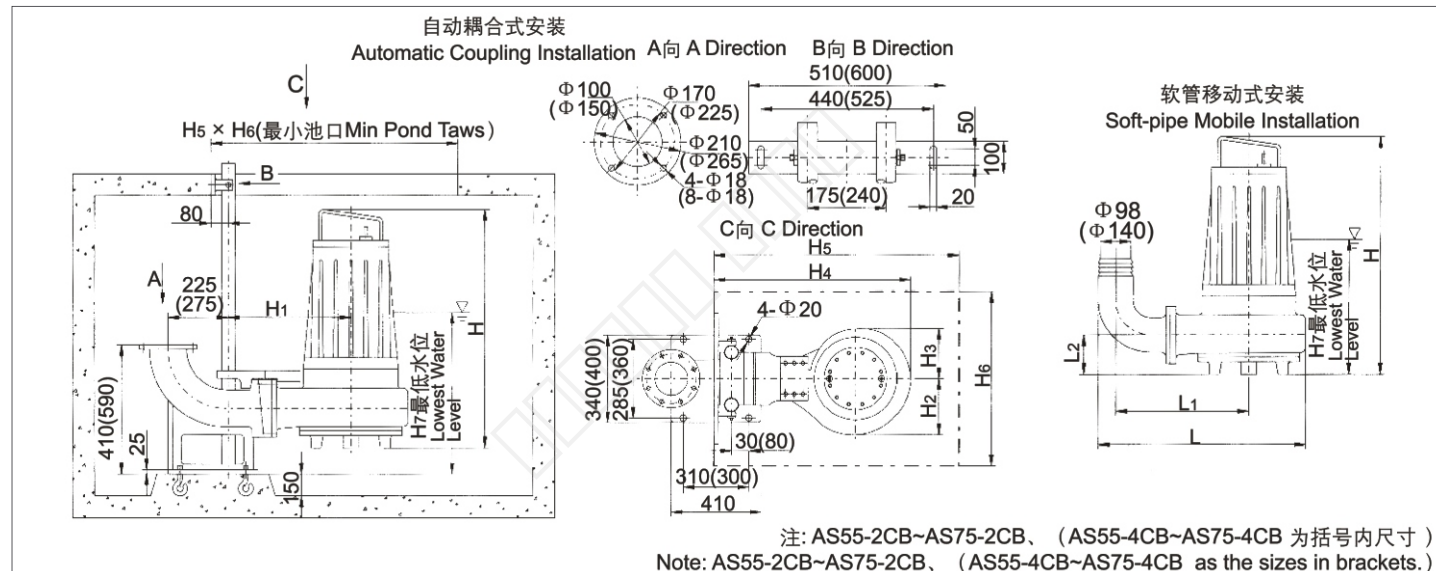
性能曲线图 Performance Curve



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

Type	Q (m³/h)	Head (m)	Efficiency (%)	Power (kW)	Speed (r/min)	Coupler Type	H	H ₁	H ₂	H ₃	H ₄	H ₅	H ₆	H ₇	L	L ₁	L ₂	Weight (kg)
泵型号	流量	扬程	效率	电机功率	转速	型号Type	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	泵重量
AS55-2CB	40	14.4	38	5.5	2900	GAK-100	710	396	175	175	600	750	600	440	620	390	120	165
	65	12	45															
AS75-2CB	80	10.6	43	7.5	2900	GAK-100	730	396	175	175	600	750	600	440	620	390	120	185
	50	16.5	41															
AS55-4CB	85	13	50	5.5	1450	GAK-150	830	495	210	210	785	1000	800	565	820	535	235	180
	100	11	48															
AS75-4CB	60	9.2	42	7.5	1450	GAK-150	855	495	210	210	785	1000	800	565	820	535	235	200
	100	7.5	50.5															
	120	6.8	49															
	87	12.2	45															
	145	10	56															
	174	8.4	55															

安装尺寸图 Installation Dimensions Drawing



注: AS55-2CB~AS75-2CB、(AS55-4CB~AS75-4CB 为括号内尺寸)
Note: AS55-2CB~AS75-2CB、(AS55-4CB~AS75-4CB as the sizes in brackets.)