

用心做好每一台水泵

Do a good job of each water pump



YSQ 系列液压泥沙泵

YSQ Series Hydraulic Sediment Pump



YSQXILIEYEYANISHABENG >>>





企业简介

本公司是一家专门从事水泵设计开发、生产、销售、服务为一体的专业化制造企业。公司实力雄厚，集国内水泵大企业的技术、人才、管理等资源优势，进行有效合理的整合，并辅以现代企业管理模式、科学高效的公司管理体制制度，通过近几年的快速发展，已成为国内大型水泵生产厂家之一。公司实施先进的人才储备战略，引进了大批具有专业和中高级职称的技术与管理人才，加快了企业的发展进程。我公司严格要求和管理，产品广泛用于给排水、电力、石化、冶金等行业。

我们始终遵循“品质优先、用户至上、精益求精、努力开拓”的品质方针；坚持“以质取胜、在商言信”的经营方针，公司一直奉行“质量是生存的根本，创新是发展生命”的宗旨。在实施全面质量管理的基础上，以精良的工艺装备，先进合理的设计，专业化的生产，外观与内在并重的质量理念和用户至上的服务意识，及具有竞争力的成本，为您提供高品质且不断改进的产品及优质服务，诚邀中外客商、各界用户和友仁前来考察、洽谈贸易、愿与您在成功的道路上携手并进，合作双赢！



COMPANY INTRODUCTION

The company is a professional manufacturing enterprise specializing in the design and development, production, sales and service of water pumps. The company has strong strength, set the technology, talent, management and other resource advantages of large domestic pump enterprises, effective and reasonable integration, supplemented by modern enterprise management mode, scientific and efficient company management system, through the rapid development in recent years, has become one of the domestic large pump manufacturers. The company implements an advanced talent reserve strategy, introduces a large number of technical and management talents with professional and senior titles, and accelerates the development process of the enterprise. Our company has strict requirements and management, and its products are widely used in water supply and drainage, electric power, petrochemical, metallurgy and other industries.

We always follow the quality policy of "quality first, customer first, excellence, and hard development"; Adhering to the business policy of "winning by quality, believing in business", the company has always pursued the tenet of "quality is the foundation of survival, innovation is the development of life". On the basis of the implementation of total quality management, with sophisticated process equipment, advanced and reasonable design, professional production, appearance and internal quality concept and customer first service consciousness, and competitive cost, to provide you with high-quality and continuously improving products and services, we sincerely invite Chinese and foreign merchants, users from all walks of life and friends to come to visit, negotiate trade, and are willing to go hand in hand with you on the road to success, win-win cooperation!

现代化的生产设备及专业的检测装备生产更优质的产品
Modern production equipment and professional testing equipment produce better products



30-35吨级双搅拌系列8吋
30-35 ton double stirring series 8 inches



12-15吨单搅拌器



12吨-18吨双搅拌系列
12 tons-18 tons double mixing series



12-15吨双搅拌器
12-15 ton double agitator



36吨-50吨级双搅拌系列10吋-12吋
36 tons-50 tons double mixing series 10 inches-12 inches



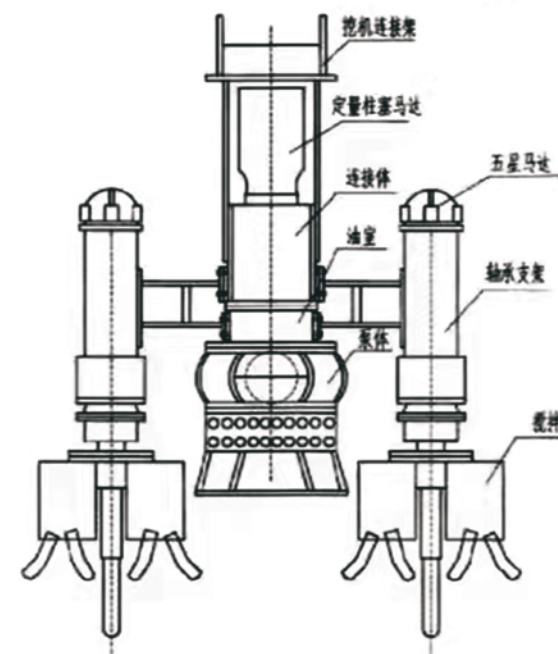
30-35吨级双搅拌系列8吋
30-35 ton double stirring series 8 inches



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液压泥沙泵结构图

Hydraulic sediment pump structure drawing



20吨级挖机双搅拌系列6吋-8吋
20-ton excavator double mixing series 6-8 inches



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液压泥沙泵的选型

1、按实际使用工况所需要的流量、扬程、输送距离等，选择泵型，并根据泵型的电机功率计算所需液压动力的功率；

2、根据所选泵型计算所得的液压动力功率，匹配能满足液压动力功率的液压油站。

3、计算挖掘机液压系统的实际输出功率，选择最适合的泵型。

4、也可根据客户特殊要求定制化改装(绞龙式、耙吸式、斗轮式)，

驱动方式：液压驱动

使用材质：高铬耐磨合金

附加搅拌：双搅拌器型、单绞笼型

驱动设备：大中小型液压站、国内外各型号挖掘机

产品特点：无需电力、超强耐磨、有效防堵塞、自带搅拌无极变速

产品别称：液压渣浆泵、挖机抽沙泵、挖掘机清淤泵、液压泥沙泵

主要用途：河道清淤、沙石开采、工程排污、矿渣处理、抽取含泥浆、泥沙、矿渣、污泥、粉煤灰等固体粉末颗粒混合浆体。



36吨-50吨级双搅拌带刀系列
36 tons-50 tons double stirring belt knife series

Drive equipment: large, medium and small hydraulic stations, various types of excavators at home and abroad

Product features: no electricity, super wear-resistant, effective anti-clogging, self-agitating stepless speed change

Product aliases: hydraulic slurry pump, excavator sand pump, excavator clear pump, hydraulic sediment pump

Main uses: river dredging, sand and gravel mining, engineering sewage discharge, slag treatment, pumping of slurry-containing slurry, sediment, slag, sludge, fly ash and other solid powder particles mixed slurry.

液压泥沙泵的产品优势

- 1、安全稳定：由液压系统驱动，无需任何电力，无漏电危险。承载力大、传动平衡、元件寿命长；
- 2、使用便捷：直接安装到挖机动臂前端或泥沙船的吊架上，无需建设复杂的地面保护和固定装置，管理更便易；
- 3、稳定高效耐磨：在长时运行中稳定性强，效率高；过流部件(泵体、叶轮、护板、搅拌叶轮等)采用高铬耐磨合金材质制造，有效降低配件更换频率；
- 4、可抽取含泥浆、泥沙、污泥、砂浆等颗粒状流体浓度高，最高可达50%-70%；
- 5、在不利于挖掘机直接挖取时，可采用液压泥沙泵进行抽取并远距离输送，提高挖掘机的适用范围和自身价值；

液压泥沙泵作为一种新型驱动方式的泥沙泵，技术成熟，产品质量稳定，尤其对于环境恶劣、电力提供困难的工程，液压泥沙泵的效率优势尤为突出。

Product advantages of hydraulic sediment pumps

Safe and stable: driven by hydraulic system, no need for any electricity, no leakage hazard. Large bearing capacity, balanced transmission, long component life;

2. Easy to use: directly installed on the front end of the digging arm or the hanger of the sediment ship, without the need to build complex ground protection and fixing devices, and the management is more convenient;

3. Stable, efficient and wear-resistant: strong stability and high efficiency in long-term operation; The overflow parts (pump body, impeller, guard plate, stirring impeller, etc.) are made of high-chromium wear-resistant alloy, which effectively reduces the frequency of parts replacement;

4. It can extract granular fluids containing mud, sediment, sludge, mortar and other high concentration, up to 50%-70%;

5. When it is not conducive to the direct excavation of the excavator, the hydraulic sediment pump can be used for pumping and long-distance transportation, so as to improve the scope of application and its own value of the excavator;

As a new type of driving sediment pump, the hydraulic sediment pump has mature technology and stable product quality, especially for projects with harsh environment and difficult power supply, the efficiency advantage of hydraulic sediment pump is particularly prominent.

Selection of hydraulic sediment pump

1. Select the pump type according to the flow, head, conveying distance, etc. required by the actual working conditions, and calculate the power of the required hydraulic power according to the motor power of the pump type;

2. According to the hydraulic power power calculated by the selected pump type, match the hydraulic oil station that can meet the hydraulic power power.

3. Calculate the actual output power of the hydraulic system of the excavator and select the most suitable pump type.

4. It can also be customized according to the special requirements of customers (auger type, rake suction type, bucket wheel type),

Drive mode: hydraulic drive

Material: high chromium wear-resistant table metal

Additional stirring: double agitator type, single cage type

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使用范围

- 1、河道、湖泊、水库、港口清淤。
- 2、江河湖海等水域抽沙。
- 3、沿海地区吹填遣地。
- 4、工程施工排泥沙、泥浆。
- 5、市政管道，雨水泵站泥沙清理。
- 6、钢厂沉淀池、选矿厂沉淀池。
电厂沉煤池、污水厂氧化沟沉淀池清理。
- 7、钢铁厂高炉水渣、炉渣输送。
- 8、选矿厂尾矿、矿渣、矿浆输送。
- 9、煤矿煤渣、煤泥、煤浆清除。
- 10、电厂粉煤灰、煤泥、煤浆输送。
- 11、吸取各种金刚沙、石英砂、钢渣固体颗粒。
- 12、选矿、淘金、抽铁砂。
- 13、含有各种杂质的浆体物料输送。
- 14、输送其他含较大固体颗粒的介质。

水泵质保

液压泥沙泵整机质保1年，易损部件包含泵体、叶轮、上护板、下护板、搅拌轮、搅刀、材质均为高铬合金材质，根据使用工况不同，易损部件使用寿命也会不一样。

安装说明

液压泥沙泵整机上面有3个接口，分别为进油口、回油口、泄油口。进油口位置在水泵后方，接设备出油口。回油口位置在水泵前方，接设备回油口。泄油口也在水泵前方为一根细管，接在设备卸油口。液压泥沙泵3个接口位置均有标注。

使用注意事项

- 1、确保系统液压油纯净、少杂质、具有良好的润滑性、相容性和稳定性；
- 2、根据现有液压系统压力、排量、效率等，合理配备泥沙泵，使得系统能正常运转，不得长时间超系统负荷运行；
- 3、与挖机配套使用时，挖机臂应轻、慢移动，严禁在较硬的工况下用力磕、砸，以免将泵体碰坏；
- 4、选用标准规格的液压油管，使用规定的螺栓并指定力矩加以锁紧，不合格的安装会造成故障、损坏或漏油；
- 5、调整液压动力(挖掘机或液压站)的工作压力，供油量与液压设备设定值一致。常规挖掘工作压力在30–32兆帕，液压泥沙泵工作压力为25–28兆帕，要保证液压马达在安全的工作压力下进行。
- 6、调试液压设备要根据液压动力油路系统排空气(新连接油管有空气)，预防液压油供油有阻力，不畅通而液压设备动作缓慢迟缓。
- 7、液压泥沙泵的液压搅拌头按照标注安装，不得按错方向。
- 8、设备转场时，应保证液压油口的清洁，防止进入杂质等，影响马达的正常使用寿命；
- 9、未经允许，禁止私自改装、拆卸设备，否则会导致不能正常运转或者运转异常等。

Scope of use

1. Dredging of rivers, lakes, reservoirs and ports.
2. Pumping sand in rivers, lakes and seas.
3. Reclamation in coastal areas.
4. Discharge sediment and mud during engineering construction.
5. Sediment cleaning of municipal pipelines and rainwater pumping stations.
6. Steel mill sedimentation tank and concentrator sedimentation tank.
Cleaning of coal sinking pond in power plant and sedimentation tank in oxidation ditch of sewage plant.
7. Conveying of blast furnace slag and slag in iron and steel plant.
8. Transportation of tailings, slag and slurry in the concentrator.
9. Coal mine cinder, coal slime and coal slurry removal.
10. Transportation of fly ash, coal slime and coal slurry in power plants.
11. Absorb all kinds of emery sand, quartz sand, and steel slag solid particles.
12. Beneficiation, gold panning, iron sand pumping.
13. Slurry material conveying containing various impurities.
14. Convey other media containing larger solid particles.

Pump warranty

The hydraulic sediment pump is guaranteed for 1 year, and the wearing parts include the pump body, impeller, upper guard plate, lower guard plate, mixing wheel, stirring knife, and the material is made of high chromium alloy.

Installation instructions

There are 3 interfaces on the hydraulic sediment pump, which are oil inlet, oil return and oil drain. The oil inlet is located behind the water pump and is connected to the oil outlet of the equipment. The oil return port is located in front of the water pump and is connected to the oil return port of the equipment. The oil drain port is also a thin pipe in front of the pump, which is connected to the equipment discharge port. The three interface positions of the hydraulic sediment pump are marked.

Precautions for use

1. Ensure that the hydraulic oil of the system is pure, less impurities, and has good lubricity, compatibility and stability;
2. According to the pressure, displacement, efficiency, etc. of the existing hydraulic system, the sediment pump should be reasonably equipped to make the system operate normally and not exceed the system load for a long time;
3. When used with the excavator, the excavator arm should move lightly and slowly, and it is strictly forbidden to knock and smash hard under hard working conditions, so as not to damage the pump body;
4. Select standard hydraulic oil pipes, use specified bolts and specify torque to lock, unqualified installation will cause failure, damage or oil leakage;
5. Adjust the working pressure of hydraulic power (excavator or hydraulic station), and the oil supply is consistent with the set value of hydraulic equipment. The working pressure of conventional excavation is 30–32 MPa, and the working pressure of hydraulic sediment pump is 25–28 MPa, so as to ensure that the hydraulic motor is carried out under safe working pressure.
6. Debugging the hydraulic equipment should discharge the air according to the hydraulic power oil circuit system (there is air in the newly connected oil pipe) to prevent the hydraulic oil supply from being resistant, not smooth and the hydraulic equipment moving slowly and slowly.
7. The hydraulic mixing head of the hydraulic sediment pump shall be installed according to the marking, and shall not be in the wrong direction.
8. When the equipment is transferred, the cleanliness of the hydraulic oil port should be ensured to prevent impurities from entering, which will affect the normal service life of the motor;
9. Without permission, it is forbidden to modify or disassemble the equipment without permission, otherwise it will lead to abnormal operation or abnormal operation.

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型号	YSQ	转速 (r/min)	980-1500
用途	渣漿泵	流量 (m³h)	100-1000
驱动方式	液压	扬程 (m)	15-35
工作压力 (MP)	16-25	主要过流材质	高cr合金耐磨
功率 (KW)	15-132		

挖掘机规格型号	匹配液压泵规格	出口口径mm	流量m³/h	扬程m	功率KW	通过粒径mm
8吨	YSQ80-20	80	80	20	11-15	20
	YSQ100-20	100	100	20		20
13吨	YSQ250-16	150	250	16	18.5-22	30
	YSQ200-20	150	200	20		25
20吨	YSQ300-15	150	300	15	30	30
	YSQ250-20	150	250	20		
22-26吨	YSQ300-20	150	300	20	37-55	30
	YSQ400-15	150	400	15		
	YSQ300-25	150	300	25		
36-50吨	YSQ500-25	200	500	25	75-90	30-40
	YSQ600-20	250	600	20		
	YSQ800-20	300	800	20		
	YSQ1000-20	300	1000	20		
液压站	YSQ800-25	250	600	25	110-132	50
	YSQ800-35	250	800	35		
	YSQ1000-22	300	1000	22		

注：配套液压搅拌器为五星马达，工作压力为16-20兆帕，转速60-100
可根据客户的挖掘机的规格以及工况选择匹配的液压泥沙泵的规格型号满足施工要求。



Model	YSQ	Rotation speed(r/min)	980-1500
use	Slurry pumps	Flow rate (m³h)	100-1000
Drive mode	hydraulic pressure	Head(m)	15-35
Working Pressure(MP)	16-25	The main overflow material	High CR alloys are wear-resistant
Power(KW)	15-132		

Excavator specifications and models	Match the specifications of the hydraulic pump	Outlet caliber mm	Flow rate m³/h	Head m	Power KW	through the particle size mm
8ton	YSQ80-20	80	80	20	11-15	20
	YSQ100-20	100	20	20		20
13ton	YSQ250-16	150	250	16	18.5-22	30
	YSQ200-20	150	200	20		25
20ton	YSQ300-15	150	300	15	30	30
	YSQ250-20	150	250	20		
22-26ton	YSQ300-20	150	300	20	37-55	30
	YSQ400-15	150	400	15		
	YSQ300-25	150	300	25		
36-50ton	YSQ500-25	200	500	25	75-90	30-40
	YSQ600-20	250	600	20		
	YSQ800-20	300	800	20		
	YSQ1000-20	300	1000	20		
Hydraulic station	YSQ800-25	250	600	25	110-132	50
	YSQ800-35	250	800	35		
	YSQ1000-22	300	1000	22		

Note: The supporting hydraulic mixer is a five-star motor, with a working pressure of 16-20 MPa and a speed of 60-100
According to the specifications and working conditions of the customer's excavator, the specifications and models of the matching hydraulic sediment pump can be selected to meet the construction requirements.