Heavy Duty High Chrome Metal Slurry Pump Electric Or Diesel Engine Option

Our Product Introduction

Basic Information

- Place of Origin: CHINA
- Brand Name: horizontal-slurrypump.com
- Certification: ISO/CE
- Model Number: OEM
- Minimum Order Quantity: 1 Set
- Price: Negotiable
- Packaging Details: Plywood Crate
- Delivery Time: 7 Working Days
- Payment Terms: T/T, Western Union
- Supply Ability: 300 Sets per Month

Product Specification

- Colour: Customized
- Duty Type: Heavy Duty
- Application: Coal,mining,Sewage,Mine
- Theory: Centrifugal Slurry Pump
- Power: Electric Or Diesel Engine
- Material: A05 Cr27,A49
- Seal: Packing Seal,Expeller Seal,mechanical Seal
- Standard Or Nonstandard: Standard
- Highlight: **diesel engine driven centrifugal pump**

Our Product Introduction

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Product Description

2 / 1.5 B - AH Heavy Duty Centrifugal Slurry Pump High Chrome Metal Slurry Pump

Product introduction

The 2 / 1.5 B - AH Heavy Duty Centrifugal Slurry Pump High Chrome Metal Slurry Pumpis a horizontal, vertical open, double pump housing construction with a replaceable metal lining or rubber lining for the pump body and pump cover. The lining can be used for wear through. Up to now, there is no need to replace, extend the maintenance cycle and reduce operating costs.

The 2 / 1.5 B - AH Heavy Duty Centrifugal Slurry Pump High Chrome Metal Slurry Pumpis suitable for the transport of abrasive or corrosive slurries and is widely used in metallurgy, mining, petroleum, chemical, coal, electricity, transportation, river dredging, building materials and municipal engineering.

Model meaning

2 / 1.5 B - AH

2----------Suction diameter(Inch)

1.5----------Discharge diameter(Inch)

B----------Support type

AH-------- Pump Model

Specifications

Pump Model	2 / 1.5 B - AH
Allowable Max.Power	15 kw
Capacity	32.4- 72 m³/h
Head	6 - 58 m
Speed	1200 - 3200 r/min
Meax.Eff.	45%
NPSH	3.5 - 8 m
Impeller Diameter	184 mm

Centrifugal slurry pump working principle:

1. Before the pump works, the staff must first inject the liquid used for conveying into the pipeline and the pump casing, and fill the two;
2. When the slurry pump is started, the liquid in the impeller will be rotated by the blades of the impeller;
3. Under the action of centrifugal force, the liquid rotates forward and then flows out of the impeller;
4. During the process of flowing the liquid from the impeller inlet to the impeller outlet, the velocity energy and the pressure energy are increased due to the energy conversion, and the liquid flowing out from the impeller is discharged through the pump casing flow passage and then discharged from the discharge pipe;
5. At this time, the impeller inlet is formed by the discharge of water, and the liquid in the suction surface is pressed into the water inlet of the impeller under the action of atmospheric pressure;
6. The rotating impeller continuously draws in and drains water to form a continuous stream of water.

AH slurry pump start: Check the entire unit as follows before starting.

(1) The pump should be placed on a firm foundation to withstand the full weight of the pump to eliminate vibration and tighten all anchor bolts.

(2) Pipes and valves should be supported separately. There should be a gasket at the pump flange. When tightening the coupling bolt, please pay attention to the metal lining of the pump is higher than the flange. At this time, the bolt should not be tightened too much to avoid damage to the gasket.

(3) Rotate the shaft by hand according to the direction of rotation of the pump. The shaft should be able to drive the impeller to rotate and there should be no friction. Otherwise, the impeller clearance should be adjusted.

(4) Check the steering of the motor. Make sure that the pump rotates in the direction of the arrow marked on the pump body. Note that the pump is not allowed to rotate in the opposite direction, otherwise the impeller thread will trip, causing damage to the pump.

(5) When the transmission is directly connected, the pump shaft and the motor shaft should be accurately centered. When the belt is driven, the pump shaft and the motor shaft should be parallel, and the position of the sheave should be adjusted so as to be perpendicular to the groove to avoid severe vibration and wear.

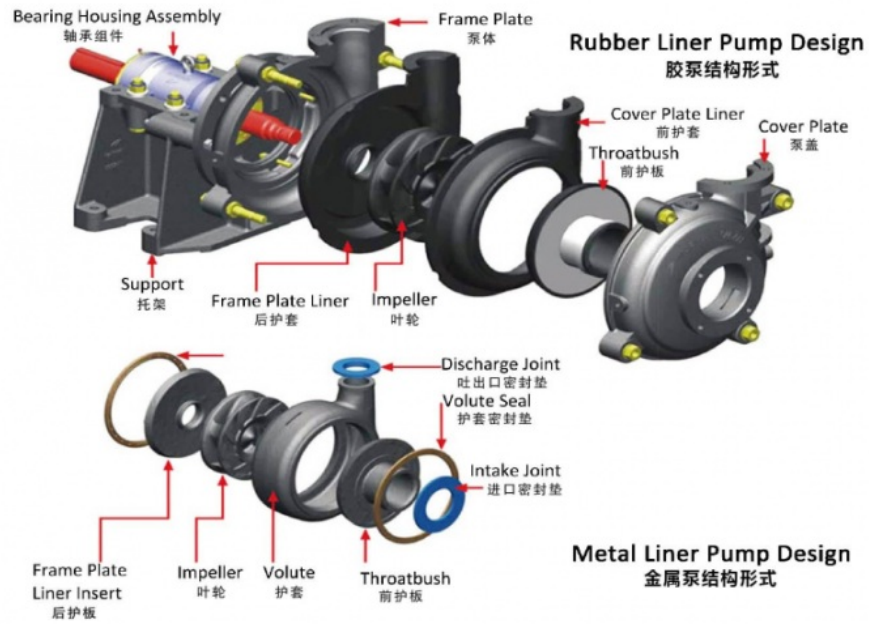
(6) A detachable short pipe shall be installed at the suction pipe of the pump. The length shall be sufficient to disassemble the pump cover and replace the consumable parts, so as to facilitate the inspection of the pump. The length of each pump is shown in the external dimensions of each pump.

(7) Shaft seal inspection: The pump of the auxiliary impeller shaft seal has different sealing structure. Therefore, when the oil pressure cup is equipped with oil cup, it is necessary to add grease through the oil cup. The grease is recommended to be lubricated with calcium and sodium. fat.

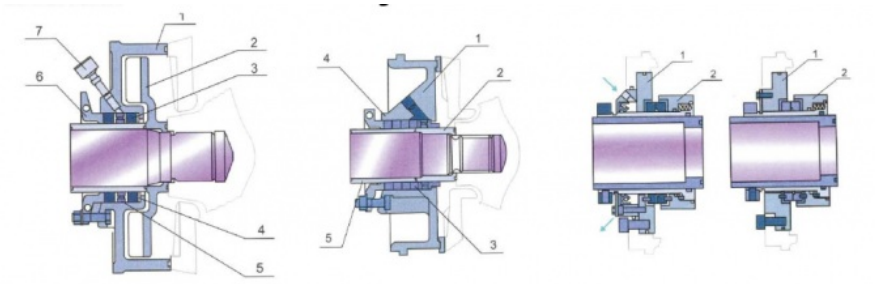
Typical Applications:

Ash Handling
Pulp and Paper
Abrasive Slurries
Coal Preparation
Mineral Processing
Aggregate Processing

Construction Design



Shaft Seal Module Design



1.减压盖	Expeller Ring	1. 填料箱	Stuffing Box	1. 静环组件	Stationary Ring Assembly
2.副叶轮	Expeller	2. 前水封环	Lantern Restrictor	2.动环组件	Movable Ring Assembly
3.填料	Packing	3. 填料	Packing		
4.填料垫	Neck Ring	4. 填料压盖	Packing gland		
5.水封环	Lantern Ring	5. 轴套	Shaft Sleeve		
6.填料压盖	Packing Gland				
7.油杯	Oil Cup				

Performance table

MODEL	ALLOWABLE MATING MAX.POWER (KW)	MATERIAL		CLEAN WATER PERFORANCE						IMPELLER	
		LINER	IMPELLER	Q Capacity		H Head	Speed	Max. Eff.	NPSH	VANES NO.	IMPELLER DIA
				m3/h	L/s	(m)	n(r/min)	(%)	(m)		(mm)
1.5/1B-AH	15	M	M	12.6-28.8	3.5-8	6-68	1200-3800	40	2--4	5	152
		RU	RU	10.8-25.2	3--7	7-52	1400-3400	30		3	
1.5/1C-HH	30	M	M	16.2-34.2	4.5-9.5	25-92	1400-2200	20	2-5.5	5	330
2/1.5B-AH	15	M	M	32.4-72	9--20	6-58	1200-3200	45	3.5-8	5	184
		RU	RU	25.2-54	7--15	5.5--41	1000-2600	50	2.5-5	5	178

3/2C-AH	30	M	M	39.6-86.4	11--24	12-64	1300-2700	55	4--6	5	214
		RU	RU	36-75.6	10--21	13-46	1300-2300	60	2--4	5	213
3/2D-HH	60	M	M	68.4-136.8	19-38	25-87	850-1400	47	3-7.5	5	457
4/3C-AH	30	M	M	86.4-198	24-55	9-52	1000-2200	71	4--6	5	245
		RU	RU	79.2-180	22-50	5-34.5	800-1800	59	3--5		
4/3E-HH	120	M	M	126-252	35-70	12-97	600-1400	50	2--5	5	508
6/4D-AH	60	M	M	162-360	45-100	12-56	800-1550	65	5--8	5	365
		RU	RU	144-324	40-90	12-45	800-1350	65	3--5	5	365
6/4S-HH	560	M	M	324-720	90-200	30-118	600-1000	64	3-8	5	711
8/6S-HH	560	M	M	468-1008	130-280	20-94	500-1000	65	4-12	5	711
8/6R-AH	300	M	M	360-828	100-230	10-61	500-1140	72	2-9	5	510
		RU	RU	324-720	90-200	7-49	400-1000	65	5-10	5	510
10/8E-M	120	M	M	666-1440	185-400	14-60	600-1100	73	4-10	5	549
10/8ST-AH	560	M	M	612-1368	170-380	11-61	400-850	71	4-10	5	686
		RU	RU	540-1118	150-330	12-50	400-750	75	4-12		
12/10ST-AH	560	M	M	936-1980	260-550	7-68	300-800	82	6	5	762
		RU	RU	720-1620	200-450	7-45	300-650	80	2.5-7.5		
14/12ST-AH	560	M	M	1260-2772	350-770	13-63	300-600	77	3-8	5	965
		RU	RU	1152-2520	320-700	13-44	300-500	79	3-10		
16/14TU-AH	1200	M	M	1368-3060	380-850	11-63	250-550	79	4-10	5	1067
20/18TU-AH	1200	M	M	2520-5400	700-1500	13-57	200-400	85	5-10	5	1370

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