



Sludge Volute Industrial Sump Pumps With Steel Thermal Refining Shaft Metal Lined

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: horizontal-slurrypump.com
- Certification: ISO
- Model Number: OEM
- Minimum Order Quantity: 1 set
- Price: based on quantity
- Packaging Details: wooden case
- Delivery Time: 15days
- Supply Ability: 200sets monthly



Product Specification

- Product Name: Gold Ash Mining Sludge Sump Slurry Pump
- More Application: Solid Pump,tailing Pumps
- Liquid Temp: Max80
- Location Of Factory: China
- Structure: Centrifugal Pump
- Power Source: Electric ,diesel
- Highlight: centrifugal sludge pump

Product Description

Sludge Volute Industrial Sump Pumps With Steel Thermal Refining Shaft Metal Lined

Features

1. Durable slurry pump used for mines and industry solids pumping.
2. Slurry pump drive module design which makes the spare parts can be changed easily
3. Designed and built for long time with low maintenance for the Heavy brand slurry pump
4. Equipped the electric motor or diesel engine with slurry pump according to your requirement
6. Long service life for the wet parts of slurry pump

Packing:

Packed into a wooden or plywood case

Made high quality wood, they cases are exporting standard.

Materials

Impeller	high-chrome alloy or rubber
Volute liner	high-chrome, A05
Shaft	45# steel thermal refining
Base/frame plate	ductile casting iron/gray casting iron
Pump seal	stuffing box and expeller; strut mount and expeller; stuffing box
Water seal ring and disassembly ring	stainless steel

Application of slurry pump

Minerals Flotation Processing
 Electric Factory Coal Preparation
 Coal Washing
 Chemical Medium Processing
 Effluent Handling
 Sand And Gravel Handling

Parts Table

METAL LINED PUMPS			RUBBER LINED PUMPS		
No.	Part Description	Material Specification	No.	Part Description	Material Specification
1	Base	Cast Iron	1	Base	Cast Iron
2	Shaft	4140 High Tensile Steel*	2	Shaft	4140 High Tensile Steel*
3	Bearing Assembly	Timken (Cast Iron Body)	3	Bearing Assembly	Timken (Cast Iron Body)
4	Shaft Sleeve	420 Stainless Steel	4	Shaft Sleeve	420 Stainless Steel
5	Pump Casing	Cast Iron	5	Pump Casing	Cast Iron
6	Frame Plate Liner	27% Chrome White Iron	6	Frame Plate Liner Insert	Rubber
7	Volute Liner	27% Chrome White Iron	7	Cover Plate Liner	Rubber
8	Impeller	27% Chrome White Iron	8	Impeller	Rubber Coated High Tensile Steel
9	Throat Bush	27% Chrome White Iron	9	Throat Bush	Rubber
10	Joint Rings	Rubber	10	Cover Plate	Cast Iron
11	Cover Plate	Cast Iron	11	Stuffing Box	Cast Iron
12	Stuffing Box	Cast Iron	12	Expeller	27% Chrome White Iron
13	Expeller	27% Chrome White Iron	13	Expeller Ring	Natural Rubber
14	Expeller Ring	Natural Rubber	14	Bolts	Zinc Plated Steel
15	Bolts	Zinc Plated Steel	15	O-rings	Nitrile Rubber
16	O-rings	Nitrile Rubber	16	Seals	Rubber
17	Seals	Rubber		Bolts	Zinc Plated Steel
	Bolts	Zinc Plated Steel			

Performance table

MODEL	ALLOWABLE MATING MAX.POWER (KW)	MATERIAL		CLEAN WATER PERFORMANCE						IMPELLER	
		LINE R	IMPELLER	Q Capacity		H Head (m)	Speed n(r/min)	Max. Eff. (%)	NPSH (m)	VANES NO.	IMPELLER DIA (mm)
				m3/h	L/s						
1.5/B-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	
1/1.5B-AH	15	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/D-AH	60	M	M	162-360	40-100	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
6S-HH	560	M	M	468-1008	130-280	20-94	500-1000	65	4-12	5	711
8/6E-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		
12/10S T-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		
14/12S T-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		
16/14T U-AH	1200	M	M	1368-3060	380-850	11-63	250-550	79	4-10	5	1067
20/18T U-AH	1200	M	M	2520-5400	700-1500	13-57	200-400	85	5-10	5	1370

Quality control

Inspection Equipment	
1. Inspection and Detection	
With various inspection and detection instruments ,like three-coordinate measuring instrument ,metallographic microscope, direct reading spectrometer ,Brinell hardness meter ,Vickers hardness meter, carbon and sulfur analyzer and other detection equipment,we can carry on the chemical composition analysis ,physical properties test ,coordinate measurement for various steel&steel materials	
Complete pump set inspection	
We have performance testing platform for each batch pump inspection before delivery	
Quality control system for each set slurry pump	
Purchasing raw material	1. Strict rules and procedures to choose the raw material supplier
	2. Each batch raw material will be tested by quality control department
casting of parts	1 .Melting:Chemical element analysis for raw material before and after stove .
	2.Moulding :Strict sand moulding qualified before iron liquid pouring for casting
	3. Cleaning semi-finished parts sand :Strict inspection on the appearance and size qualified before storage.
Machining of slurry pump	1. Self -inspection and inspection between different steps.
	2. First part inspection
	3. Procedures inspection
	4..Inspection before storage the mining AH slurry pumps
Assembling of slurry pump	1. Inspector tracks the whole process of assembly of slurry pumps
	2. Slurry Pump pressure inspection and fillout the testing table
	3. Painting inspection
	4. Performance testing and fillout the testing table
	5. Packing inspection of slurry pump
	6. Issue quality certificate

