



## Heavy Duty Transfer Centrifugal Slurry Pump High Chromium Wear Resistant In Blue

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

- Material: A05
- Type: ZGB Series Centrifugal Slurry Pump
- Weight: 1850KG
- Outlet Dia.: 65mm
- Inlet Dia.: 80mm
- Impeller: 5 Vanes Closed
- Application: Sewage,Power Plant,Water/Sewage,mining
- Pressure: High Pressure,standard
- Fuel: Electric,Diesel
- Theory: Centrifugal Pump
- Feature: High Efficiency,Long Working Life
- Highlight: diesel engine driven centrifugal pump



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## Product Description

### 65ZGB Series Centrifugal Slurry Pump High Chromium Wear Resistant Heavy Duty Transfer Pump

#### Overview

The 65ZGB Series Centrifugal Slurry Pump is a horizontal, single-stage, single-suction, cantilever, double-pump centrifugal slurry pump. In order to meet the needs of high-speed development of mining, power, metallurgy, coal and other industries, improve the Model of slurry pump under high lift conditions, and summarize the comprehensive information of domestic and foreign experience and user feedback, and develop a new generation of high efficiency, ZGB series slurry pump with large flow, high lift and multi-stage series.

The 65ZGB Series Centrifugal Slurry Pump structure is reasonable, efficient and safe. It is widely used in the electrical, metallurgical, mining, coal, building materials, chemical, desulfurization and other industrial sectors to transport abrasive or corrosive slurry, especially power plant ash.

#### Type meaning

65ZGB(P)  
 65-----Discharge Diameter (mm)  
 Z-----Slurry Pump  
 G-----High Head  
 B-----Series Code  
 P-----Multi-stage pumps (3-4stage)

#### 150ZGB Performance Chart

Model	Speed (r/min)	Capacity (l/s)	Head (m)	Max.Eff. (%)	NPSH (m)	Shaft Power (kw)	Impeller Dia.(mm)	Pump Weight (kg)	Outlet Dia/ Inlet Dia(mm)
150ZG B	1480	31.7	58	62.5	4.5	28.8	390	1850	65/80
	1480	26.4	60	59.8	3.7	25.9			
	1480	15.8	61	47.4	3.0	19.9	390		
	980	21.0	25.4	62.5	2.0	8.37			
	980	17.5	26.3	59.8	1.8	7.5	390		
	980	10.5	26.7	47.4	1.3	5.8			

#### Application

Mill discharge  
 Ni acid slurry  
 Coarse sand  
 Coarse tailings  
 Phosphate mixture  
 Minerals concentrate  
 Heavy media  
 Sugar beet  
 Dredging  
 Bottom/Fly ash  
 Lime grinding  
 Oil sands  
 Mineral sands  
 Fine tailings  
 Slag granulation  
 Phosphoric acid  
 Coal  
 Flotation  
 Process chemical  
 Phosphoric acid

#### Structural features:

The ZGB slurry pump has the same structure except for the pump head part (including the front and rear pump casings, the volute casing, the front and rear guard plates, the impeller, etc.), and the rest of the structure is similar. The same series of transmission parts are used, and the pump head part and the shaft seal part are pressed below. And the transmission part, respectively, describes its structural characteristics.

1, ZGB slurry pump shaft seal part: shaft seal has three forms, the auxiliary impeller shaft seal and packing shaft seal, mechanical seal.

(1) Mechanical seal: For the condition that is not suitable for the above two shaft seals, mechanical seal is adopted to reduce the number of maintenance of the shaft seal part.

(2) Packing shaft seal: The packing shaft seal structure is simple, the maintenance is convenient, and the shaft seal water is needed. For the working condition which is not suitable for the shaft seal of the auxiliary impeller and the working condition for pumping, the packing shaft seal can be used.

(3) Sub-impeller shaft seal: Single-stage pump or multi-stage series third-stage pump when the positive pressure of the pump inlet is not more

than 10% of the pump outlet pressure value, the auxiliary impeller shaft seal can be used, and the auxiliary impeller shaft seal has no Dilute the slurry, the sealing effect is good and so on.

2. ZGB slurry pump pump head part: ZGB series slurry pump is a double pump shell structure, namely the front pump casing, the rear pump casing and the replaceable over-current part (including impeller, volute, front guard, Rearguard). The front and rear pump casings are made of gray cast iron or ductile iron according to the working pressure. They are vertically opened and bolted. The rear pump casing has a stop and bolts connected to the bracket. The discharge port of the slurry pump can be installed at eight angles. The front and rear covers of the impeller are equipped with back blades to reduce leakage and improve pump life and efficiency. The inlets of all types of pumps are horizontal, and the pump rotates clockwise as seen from the transmission direction.

3. Transmission part: ZGB slurry pump adopts the same series of transmissions, including bracket and bearing assembly. The pump shaft has large diameter, good rigidity, short cantilever, and will not bend and vibrate under severe working conditions. The bearing adopts single row cone. Roller bearing and deep groove ball bearing can be combined to withstand the maximum axial and radial load of the pump. The bearing is lubricated with thin oil. The end of the bearing body has a sealed end cap, which can effectively prevent the slurry and other dirt from entering the bearing. ZGB slag The slurry pump is provided with two hose joints in the bearing body, which can be connected with the water source to cool the bearing chamber, so it can work under high ambient temperature to ensure the safe operation of the bearing and has a high life.

## Structural Drawing

图1 ZGB 系列渣浆泵 ZGB Series Slurry Pump

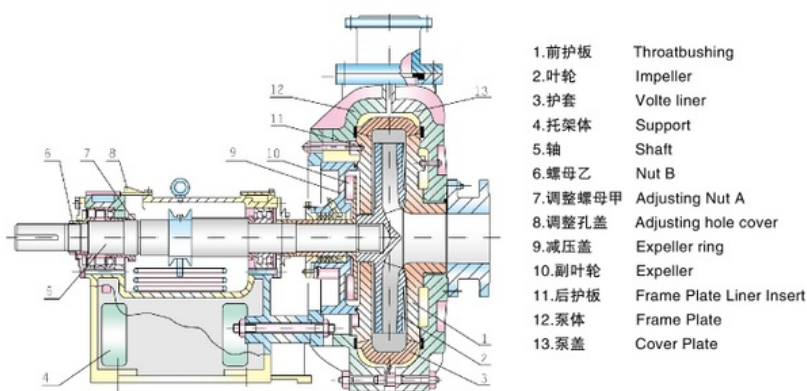
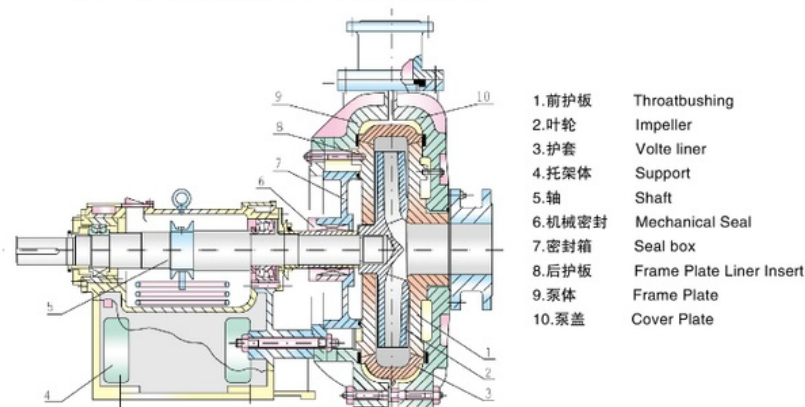
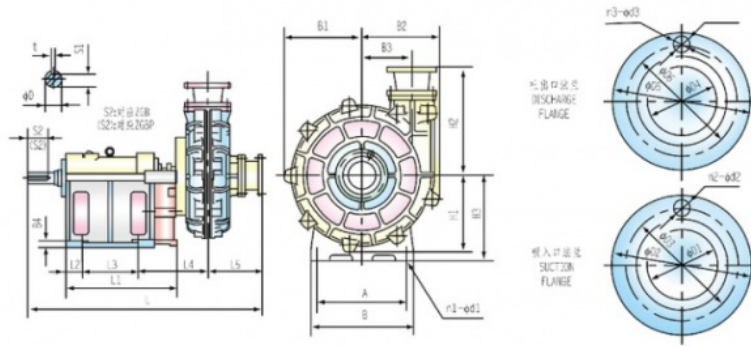


图2 ZGBP 系列渣浆泵 ZGBP Series Slurry Pump



## Selection & Performance Chart

ZGB型渣浆泵外形安装尺寸图 Outline Drawing



型号 Pump Model	A	B	B1	B2	B3	B4	D	D1	D2	D3	D4	D5	D6	H1	H2	H3	L	L1	L2	L3	L4	L5	n1-φd1	n2-φd2	n3-φd3	S1	S2	(S2)	
65ZGB	432	492	352	377	220	45	65	80	210	168.5	65	190	149	360.5	475	415	1380	580	45	340	400.5	330	4-φ22	8-φ22	8-φ22	58	150	—	18
80ZGB	560	636	360	445	279	50	80	100	255	200	80	210	168.5	383	560	520	1598	725	72	440	451	296	4-φ29	8-φ22	8-φ22	71	203	180	22
100ZGB	560	636	395	467	290	50	80	152	320	270	100	275	216	394	597	520	1718	725	72	440	467	402	4-φ29	12-φ22	8-φ26	71	203	180	22
150ZGB	760	840	619	684	453	60	120	200	380	330	150	320	270	655	820	650	2006	1013	118	560	615	388	4-φ35	12-φ26	12-φ22	109	200	180	32
200ZGB	760	840	675	735	460	60	120	250	425	370	200	380	330	695	880	650	2213	1013	118	560	628	579	4-φ35	12-φ26	12-φ26	109	200	180	32
250ZGB	780	950	645	710	460	60	120	300	515	450	250	445	387.5	680.3	974	650	2160	978	128	550	628	500	4-φ40	16-φ33	16-φ30	109	200	180	32
300ZGB	780	950	649	766	475	60	120	350	585	514.5	300	520	451	676	883	650	2282	978	128	550	668	610	4-φ40	20-φ33	16-φ33	109	200	—	32

备注:

所有长度尺寸单位均为mm。

Remark: All length dimensions are mm.

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Remark: All length dimensions are mm.

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