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ZGB Medium Slurry Pump



Cr26 Material Safety Guard River Water Mortar ZGB Slurry Pump

Product Description

ZGB Slurry Pump Specification

D=65-300mm

Q=50-1800m³/h

H=50-94m

a) Caliber: DN65-DN300mm

b) Flow:50-1800m³/hr

c) Head:50-94 m

d) Rotate speed:740-2900r/min

e)Working pressure: ≤3.6mpa

ZGB Slurry Pump Function Introduction

1. The structure of ZGB(P) pump is horizontal, single-suction, single-stage, cantilever, double-casing and centrifugal, and the wet parts of the same discharge between ZGB and ZGBP can be interchanged;
2. Designed with CAD software, good hydraulic performance, high efficiency and lower abrasion;
3. Wider flow channel, good ability of non-clogging and NPSH;
4. Expeller seal combined with packing seal and mechanical seal to guarantee that no leakage will happen;
5. Reliable design ensures the MTBF (Mean Time between Failures) can be increased significantly;
6. Bearing is lubricated with thin oil, and it can work under low temperature by setting the lubrication and cooling system reasonable;
7. Wet parts are made of special material with good ability of corrosion and wear;
8. The pumps can be connected in multi-stage in series under the allow pressure (3.6MPa).

ZGB series Pump Typical Application

Delivery of slurry with strong abrasion and high concentration for various of industry conditions, especially high head conditions

- Chemical Process
- Heavy Minerals
- Paper and Pulp
- Mill Discharge
- Sugar Beet
- Slag Granulation
- Bottom Boiler and Fly Ash
- Cyclone Feed
- Power Plants
- other industry

Model	Maximum motor power (KW)	Clear water performance						Impeller		Outlet size (mm)	Weight (kg)	
		Flow rate Q(L/S)	Head H(m)	Eff. η(%)	Speed n(r/min)	(NPSH) (m)	Shaft power N(kw)	Impeller Dia. D(mm)	Max. particle size D(mm)			
65ZGB(P)	55	15.8~31.7	58~61.0	48.0~54.0	1480	3.0~5.0	19.7~33.4	398	15	65	760	
		10.5~21.0	25.4~26.7	48.0~54.0	980	3.0~5.5	5.73~9.69					
80ZGB(P)	132	28.3~56.7	87.5~91.6	45.3~64.2	1480	2.7~5.2	56.0~75.7	485	20	80	1400	
		18.8~37.5	38.4~40.2	45.3~64.2	980	2.7~5.2	16.3~22.0					
		25.7~51.5	72.2~75.5	45.3~64.2	1480	2.7~5.2	42.0~56.7	445				
		17.1~34.1	31.7~33.1	45.3~64.2	980	2.7~5.2	12.2~16.5					
		23.1~46.2	58.3~61.0	45.3~64.2	1480	2.7~5.2	30.5~41.1					400
		15.3~30.6	25.6~26.7	45.3~64.2	980	2.7~5.2	8.8~12.0					
100ZGB(P)	200	58.3~116.7	85.1~91.8	57.4~77.9	1480	2.6~6.0	91.4~124.9	490	30	100	1420	
		38.6~77.3	37.3~40.3	57.4~77.9	980	2.6~6.0	26.6~36.3					
		52.5~105.0	68.9~74.4	57.4~77.9	1480	2.6~6.0	66.7~91.0	450				
		34.8~69.5	30.2~32.6	57.4~77.9	980	2.6~6.0	19.4~26.4					
		46.7~93.4	54.5~58.8	57.4~77.9	1480	2.6~6.0	46.9~64.0	400				
		30.9~61.8	23.9~25.8	57.4~77.9	980	2.6~6.0	13.6~18.6					
150ZGB(P)	355	100.0~200.0	85.2~90.0	50.5~73.7	980	2.7~3.8	174.4~226.6	740	50	150	3450	
		75.6~151.2	48.6~51.3	50.5~73.7	740	2.7~3.8	75.3~97.7					
		91.2~182.4	73.0~77.1	50.5~73.7	980	2.7~3.8	135.6~177.1	685				
		70.2~140.0	41.6~44.0	50.5~73.7	740	2.7~3.8	59.9~77.7					
		84.6~169.2	61.8~65.2	50.5~73.7	980	2.7~3.8	107.0~139.0	630				
		64.8~129.6	35.2~37.2	50.5~73.7	740	2.7~3.8	46.7~60.7					
200ZGB(P)	560	150.0~300.0	89.0~94.2	63.2~76.3	980	2.7~6.7	219.1~342.9	740	60	200	4000	
		113.3~226.5	50.7~53.7	63.2~76.3	740	2.7~6.7	94.3~147.5					
		141.9~283.8	79.6~84.3	63.2~76.3	980	2.7~6.7	185.8~290.2	700				
		107.1~214.3	45.4~48.1	63.2~76.3	740	2.7~6.7	80.0~125.0					
		129.7~259.5	66.6~70.5	63.2~76.3	980	2.7~6.7	141.8~222.0	640				
		97.9~195.9	38.0~40.2	63.2~76.3	740	2.7~6.7	61.0~95.6					
250ZGB(P)	630	200.0~400.0	84.0~90.1	62.1~76.2	980	3.3~7.3	284.4~432.1	740	70	250	4500	
		151.0~302.0	47.9~51.4	62.1~76.2	740	3.3~7.3	122.5~186.0					
		189.2~378.4	75.2~80.69	62.1~76.2	980	3.3~7.3	240.7~366.0	700				
		142.9~285.7	42.9~46.0	62.1~76.2	740	3.3~7.3	103.6~157.6					
		131.6~348.6	63.8~68.5	62.1~76.2	980	3.3~7.3	142.2~286.0	645				
		99.4~263.2	36.4~39.1	62.1~76.2	740	3.3~7.3	61.3~123.2					
300ZGB(P)	710	266.7~533.3	84.3~93.4	65.3~77.7	980	3.5~7.3	373.8~567.0	760	90	300	5500	
		201.3~402.7	48.1~53.3	65.3~77.7	740	3.5~6.9	163.7~244.3					
		246.7~493.3	72.1~79.9	65.3~77.7	980	3.5~6.9	295.8~448.6	703				
		177.9~372.5	41.1~45.6	65.3~77.7	740	3.5~6.9	121.7~193.1					
		266.7~453.3	60.9~67.5	65.3~77.7	980	3.5~6.9	99.7~348.2	646				
		171.2~342.3	34.7~38.5	65.3~77.7	740	3.5~6.9	98.8~149.8					

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