



产品手册 Product Catalogue

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石家庄华强石泵工矿设备有限公司 Shijiazhuang Minerals Equipment Co.,ltd

企业简介

Enterprise Introduction

石家庄华强石泵工矿设备有限公司是集设计制造渣浆泵、杂质泵于一体的专业厂家。公司凭借雄厚的实力,以人 为本的理念,聚集了一批高素质的科技和管理人才,在渣浆泵的研制和应用方面有着多年的经验,并在引进和吸收 国内外先进技术的基础上形成了性能范围覆盖面完善的产品系列。主要产品有十几个系列,一百多个品种,上千种 型号。

公司现有铸造、机加工、锻焊、热处理、装配等车间。铸件全部采用树脂砂造型,炉前成分检验采用读光谱分析 仪,结合先进的耐磨合金冶炼技术、铸造工艺和热处理工艺,保证铸件表面光洁、铸件内部组织致密和质量可靠。 数控立车、镗铣加工中心和控切割机床可加工出性状复杂、精密度要求高的零部件。采用先进的高质刀具和合理的 切削工艺,很好地解决了高硬度耐磨材料的工问题,大幅度地提高了耐磨铸件的精确度和加工效率。

公司具有完善的质量保证体系,推行全面的质量管理方略。先进科学的质量检测技术装置(如炉前化学实验设备、金相分析仪、直读光谱仪、高低压试泵系统、耐磨材料试验装置)的支持下,进一步加强从原材料化学成分分析、无理性能检测到每个零部件和每道工序的质量监督、检验控制,从而确保了产品质量。同时公司优秀的技术人员还可根据客户实际工况需求,对材质进行调整,使产品能够在强磨蚀、腐蚀的特殊工况条件下良好运行。最大限度地满足用户的需求是我们永恒的追求。华强石泵人始终坚持"一流的质量,一流的技术、一流的服务"的经营理念,以其良好的信誉和品质,以客户需求为关注焦点,凭借我们积极开拓进取的精神,保证了完善的渣浆泵质量,并不断发展、创新。

Shijiazhuang Minerals Equipment Co., Ltd is a leading professional slurry pump manufacturer in China. We are engaged in heavy duty and severe duty pumps. Manufactured to be the finest standards, our pumps can guarantee a longer life, higher performance, ease of operation and maintenance. They are widely used in mining, construction, metallurgy, power plant, sewage water treatment, dredging, and chemical and petroleum industries. With decades of development, we have built a complete system of slurry pump design, selection, application and maintenance. We devote to offering the solutions of slurry pump application for customers all over the world. Our team consists of a global pool of highly dedicated people working closely together to ensure our customers' success. People here are all armed with outstanding expertise, lofty commitment and strong drive to make profitable advancements, reach new heights in service and deliver real results. With a complete quality assurance system and strict manufacturing processes, we are here to offer our clients the first-class products of super quality with perfect after-sale service. Welcome to Shijiazhuang Minerals Equipment Co., Ltd.

产品目录

CONTENTS

SH\SBH\SL 型渣浆泵 SH\SBH\SL Slurry Pumps
SV/SVR 型液下泵 SV/SVR Sump Pumps
SG/SHG 型砂砾泵 SG/SHG Gravel Pumps
SF 型泡沫泵 SF Froth Pump
TL(R)型脱硫泵 TL(R) Desulfurization Pump
ZGB(P) 型渣浆泵 ZGB(P) Slurry Pump
ZJ 型渣浆泵 ZJ Slurry Pump

SH\SBH\SL 型渣浆泵

SH\SBH\SL Slurry Pumps

产品特点

Product Features

诚信为本, 客户至上

敬业,创新,竞争, 奉献

以科研为先导 以质量为保障

为客户提供持续满意的产品

The leader in the design.

manufacture and application of

heavy duty, centrifugal slurry pumps

SH/SBH 型泵为悬臂、卧式离心渣浆泵。适用于冶金、矿山、煤炭、电力、建 材等工业部门输送强磨蚀、高浓度渣浆。该类型泵也可以多级串联使用。

SH型泵的泵体具有可更换的耐磨金属内衬或橡胶内衬,叶轮采用耐磨金属或 橡胶材料。SBH型泵的泵体内衬和叶轮采用耐磨金属。

SH/SBH 型泵的轴封可采用填料密封或离心式密封。泵的吐出口位置可根据需要按45°间隔,旋转八个不同的角度安装使用。

Type SH\SBH pumps are cantilevered, horizontal, centrifugal slurry pumps. They are designed for handling abrasive, high density slurries in the metallurgical, mining, coal, power, building material and other industrial departments etc. The pumps of this type also may be installed in multistage series.

The frame plates for type SH pumps such as interchangeable, hard metal or pressure moulded elastomer liners. The impellers are made of hard metal or pressure moulded elastomer liners. The frame plate liner and impeller for SBH pump are adoptable of hard metal only.

The shaft seals for type SH\SBH pumps may be adoptable of gland seal or centrifugal shaft seal. The discharge branch can be positioned at intervals of 45 degrees by request and oriented to any eight positions to suit installations and applications.





SL型泵为悬臂、卧式离心造浆泵, 适用于冶金、矿山、煤炭、建材等工业部门 输送低磨蚀、低浓度渣浆。该型泵的轴封, 采用了填料密封和离心密封两种型式。

该型泵采用了高转速运转,从而体积小,节约了占地面积。泵体具有可更换的 耐磨金属内衬或橡胶内衬, 计轮采用耐磨金属或橡胶材料。

Type SL pumps are cantilevered, horizontal, centrifugal slurry pumps. They are suitable for delivering low density slurries for metallurgical, mining, coal and building material departments. The shaft seal adopts both gland seal and centrifugal seal.

Type SL pumps operate in high speed with small volumes to save floor area. The frame plates have changeable, wear-resistant metal liners or rubber liners and the impellers are made of wear-resistant metal or rubber.



应用领域

Applications

SH、SBH、SL型渣浆泵在各种不同行业的应用:

氧化铝 Alumina 石棉 Asbestos 铝土矿 Bauxite 建材 Building Products 水泥 Cement 煤炭 Coal

化学肥料 Chemical Fertilizer 钨锰矿 Wolfram 水处理 Water & Sewage Treatment

铜矿 Copper 电业 Electric Utilities

金矿 Gold 铁矿 Iron Ore 铅锌矿 Lead & Zinc

矿砂 Mineral Sands 钼 Molybdenum 糖 sugar 锡矿 Tin

石油 Oil Shale

磷酸盐 Phosphate 碳酸钾 Potash

纸浆 Paper & Pulp

砂砾 Sand & Gravel 银矿 Silver

> 钢铁 Steel 钛矿 Titanium

> 烟草 Tobacco



SH/50C 渣浆泵在氧化铝工厂 输送腐蚀性渣浆。 A SH/50C slurry pump handing hot caustic slurry in

an alumina plant.



两台 150ZGB 高扬程渣浆泵串联, 输送浓缩和底流煤浆。

Two 150ZGB high head slurry pumps in series pumping coal tailings direct from a thickener underflow.

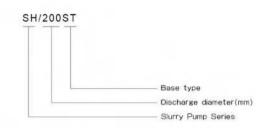


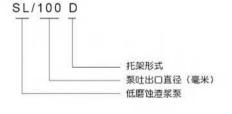
SH/150E渣浆泵在洗煤厂的应用。 A SH/150E slurry pump delivering fine coal to dewatering screen in a coal washery.

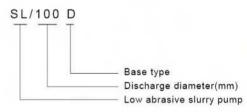
型号意义

Type Notation





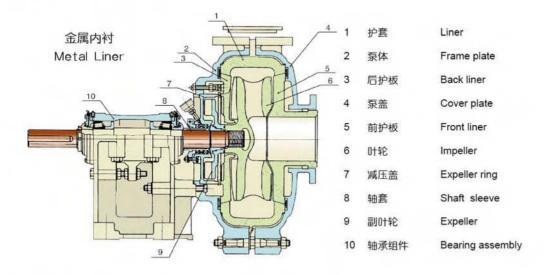






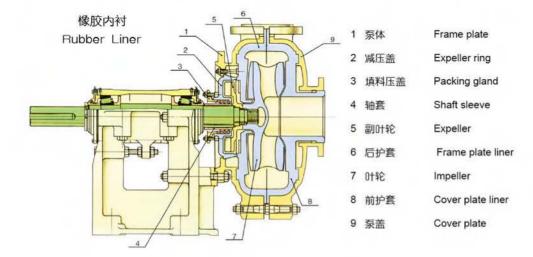
结构设计

Construction Design



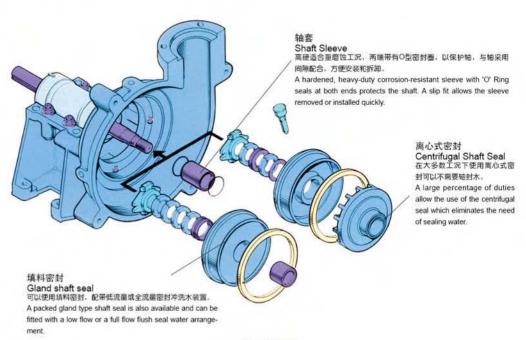
结构设计

Construction Design



维修方便,寿命长的结构设计

Designed and built for long life with low maintenance



轴和轴承组件 Shaft and Bearing Assembly 短悬臂大轴径设计可以使偏差和振动减到最小。重型滚柱轴承 A large diameter shaft with a short overhang minimizes deflec-

tion and vibration. Heavy-duty roller bearings are housed in a removable bearing cartridge.



casing to the frame. A means of impeller adjustment is provided in a convenient position below the bearing housing.

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轴封模块设计

Shaft Seal Module Design

SH\SBH\SL 系列泵可采用多种轴封型式。副叶轮动力率封、值料率封、机械率封 及各类特殊组合型密封。

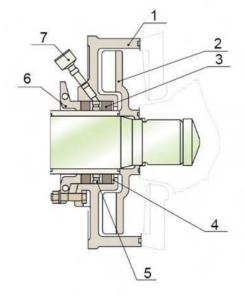
Type SH\SBH\SL slurry pumps adopt many kinds of sealing systems: expeller drlive seal, packing seal, mechanical seal and all sorts of special combined seals.

副叶轮动力密封

Expeller drive seal

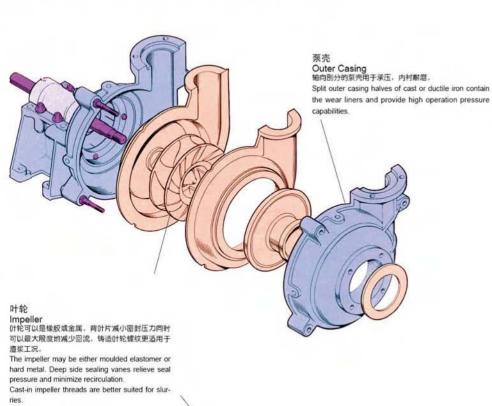
利用什轮与串联的副件轮产生的压力密封,填料或属口密封圈作为停车密封。

Use pressure seal produced by impeller and expeller in series, packing or lip sealing ring for shut down seal.



1	减压盖	Expeller ring
2	副叶轮	Expeller
3	填料	Packing
4	填料垫	Neck Ring
5	水封环	Lantern Ring
6	填料压盖	Packing gland
7	油杯	Grease Cup

副叶轮密封 Expeller seal



金属内衬和橡胶内衬可互换 Interchangeable Hard Metal and Moulded Elastomer Liners

金属内衬配合端面具有一定的维度。保证 装配过程中精确对准,并保证部件易于拆 和或更换.

Mating faces in hard metal liners are tapered to allow positive alignment during assembly and allow components to be easily removed for replacement.

利用水压进行密封的护套密封垫使配合 端面的密封绝对可靠。 Hydraulic seal rings give positive seal-

ing between mating faces.

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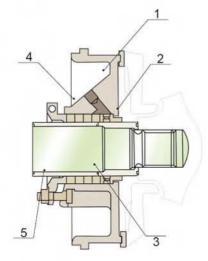
埴料密封

常规轴封形式, 适用干各种工况条件, 可配用聚四氟乙烯填 料。石墨填料等特殊材质、用于腐蚀性或高温条件下。可配用喷焊 陶瓷轴套, 适用于强磨蚀工况。

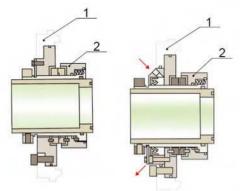
Packing seal

The routine sealing systems are suitable for various conditions and can be used in the corrosin or high temperature conditions such as polytetrafluoroethylene packing, graphite packing and etc. It also can be used in strong abrasive condition duty with shaft ceramic sleeve of spray weld.

1	填料箱	Packing box
2	前水封环	Lantern Restrictor
3	填料	Packing
4	填料压盖	Packing gland
5	轴套	Shaft sleeve



埴料密封 Packing seal



1	静环组件	Stationary ring assembly
2	动环组件	Movable ring assembly

机械密封

国际领先的密封技术,无泄漏的密封效果。集装式结构,安装 与更换方便,不同的结构型式适应不同的工况条件。磨擦副材料采 用高硬度陶瓷及合金材料, 机械密封和密封箱设计与配合符合介质 流动状态, 因而具有较高的抗磨性和抗震性, 在各种恶劣工况下均 能保证顾客满意的密封效果。

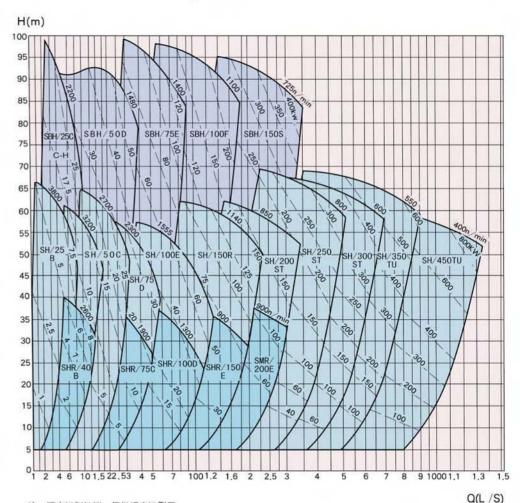
Mechanical seal

World-advanced sealing technique without sealing leakage. integrating construction, convenient installation & replacement, various constructions suit for all kinds of conditions. High hardness ceramic and alloy are adopted for material of friction parts. Design & matching of mechanical seal & sealing box is suitable for fluid state. It possesses high abrasive resistance & shakeproof to guarantee that sealing effect can be satisfied by customers in various conditions.

型谱及性能参数

Selection Chart and Performance

SH\SBH 型泵 Type SH\SBH



注: 清水近似性能, 仅供初步选型用

Note:Approximate performance for clear water to be used for primary selection only

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SH\SBH 型泵性能参数

Performance Parameter of SH, SBH Pump

찐号	允许配代 最大功率		质 ERIAL	Ħ	青水性能		CLEAR WATER P	ERFORMANCE			†轮 PELLER
TYPE	ALLOWABLE MATING MAX. POWER(KW)	护套 LINER	叶轮 IMPEL	流量 Q (m³/h)	CAPACITY (I/S)	扬程 HEAD H	转速 SPEED n (r/min)	最高效率 MAX. Eff (%)	汽蚀余量 NPSH (m)	叶片数 NO.OF VANES	叶轮直径 IMPEL, DIA, (mm)
		М	М	12,6~28,8	3,5~8	6~68	1200 ~ 3800	40		5	450
SH/25B	15	RU	RU	10.8-25.2	3~7	7~52	1400~3400	35	2~4	3	152
SBH/250	30	М	М	16,2~34,2	4.5~9.5	25~92	1400~2200	20	2~5,5	5	330
SH/40B	15	М	М	32.4-72	9-20	6~58	1200 - 3200	45	3.5-8	5	184
311/400	13	RU	RU	25,2~54	7-15	5.5~41	1000 - 2600	50	2,5~5		178
011/500	30	М	М	39.6~86.4	11-24	12~64	1300 - 2700	55	4~6	5	214
SH/50C	30	RU	RU	36~75.6	10~21	13~46	1300~2300	60	2~4		213
SBH/50D	60	М	М	68,4-136,8	19~38	25-87	850~1400	47	3~7.5	5	457
SH/75C	30	М	М	86.4~198	24~55	9-52	1000 - 2200	71	4~6	5	245
SH/ /30	30	RU	RU	79.2~180	22~50	5~34.5	800~1800	59	3~5		245
SBH/75E	120	М	M	126~252	35 ~ 70	12~97	600~1400	50	2~5	5	508
SH/100D	60	М	М	162-360	40-100	12~56	800~1550	65	5~8	5	365
3H/ 100D	60	RU	RU	144~324	40~90	12~45	800-1350	65	3~5	5	365
SBH/100F	260	М	М	324 ~ 720	90 - 200	30-118	600-1000	64	3~8	5	711
SBH/150S	560	M	М	468~1008	130~280	20~94	500~1000	65	4~12	5	711
SH/150E	120	M	M	360 ~ 828	100~230	10~61	500~1140	72	2~9	5	510
011, 1002	120	RU	RU	324 - 720	90-200	7~49	400~1000	65	5-10	5	510
SM/200E	120	M	М	666~1440	185~400	14~60	600~1100	73	4~10	5	549
SH/200ST	560	М	М	612-1368	170~380	11~61	400 ~ 850	71	4-10	5	686
3H/ 2003 I	500	RU	RU	540 ~ 1188	150 ~ 330	12~50	400 ~ 750	75	4-12	,	000
SH/250ST	560	М	M	936~1980	260~550	7~68	300~800	82	6	5	762
SH/ 23031	300	RU	RU	720~1620	200~450	7~45	300~650	80	2.5~7.5	,	702
SH/300ST	560	М	М	1260 - 2772	350~770	13~63	300~600	77	3~10	5	965
31/ 30031	300	RU	RU	1152 ~ 2520	320~700	13~44	300 - 500	79	3~8	,	303
SH/350TU	1200	М	М	1368~3060	380-850	11~63	250 550	79	4~10	5	1067
SH/450TU	1200	М	М	2520~5400	700~1500	13~57	200~400	85	5~10	5	1370

注: 1. "M"代表合金耐磨材料, "RU"代表橡胶材料。

2.推荐流量范围50%Q' ≤Q≤110%Q' (Q' ≈相应于最高效率点流量)

3.NPSH是指最高转速时,推荐Q点所对应的NPSH值。

NOTE: 1. "RU" : rubber, "M" ; alloy wear-resisant material,

2.Capacity range recommened: 50%Q° ≤Q≤110%Q°

(Q' ≈Appropriate to capacity at highest efficiency point)

3.NPSH: Appropriate to point Q recommended at highest speed.

传动型式

Drive Type





DC



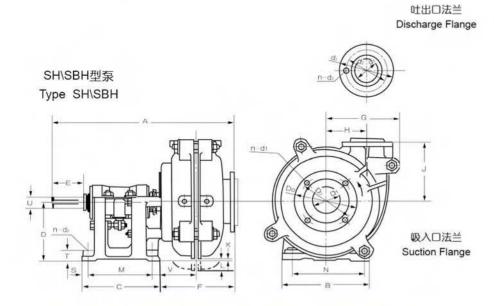


ZV

CR

外型安装尺寸图

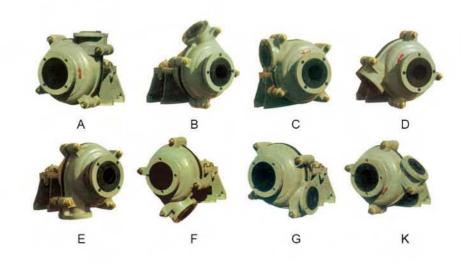
Outline and Installation Dimension



型號 TYPE	Α	В	С	D	U	E	F	G	Н	J	K	L	M	N	V
SH/25B	583	295	248	197	28	79	206	181	98	171	46		143	254	181
SBH/25C	759	406	311	254	42	121	306	(270)	194	254	-	:11:	175	356	252
SH/40B	592	295	428	197	28	79	217	205	114	184	33	2	143	254	184
SH/50C	768	406	311	254	42	121	281	238	138	210	71		175	356	233
SBH/50D	986	492	364	330	65	164	389	384	254	368	ä	51	213	432	298
SH/75C	843	406	311	254	42	121	354	292	149	262	24	97.0	185	356	270
SH/75D	943	492	364	330	65	164	353	292	149	262	100	-	213	432	279
SBH/75E	1240	622	448	457	80	222	492	492	330	432	2	129	257	546	381
SH/100D	1021	492	364	330	65	164	421	406	229	338	11:	5#0	213	432	318
SH/100E	1178	622	448	457	80	222	433	406	229	338	138	-	257	546	351
SBH/100F	1668	920	780	450	120	280	296	616	413	546	-	134	640	760	353
SH/150E	1302	622	448	457	80	222	557	551	318	460	-	62	257	546	402
SH/150R	1360	680	590	350	85	215	23	511	318	460	2	170	490	560	312
SBH/150F	2275	1150	1040	650	150	350	852	835	584	813	-	160	880	900	538
SM/200E	1337	622	448	457	80	222	584	613	384	470	-	83	257	546	403
SM/200R	1395	680	590	350	85	215	-	613	384	470	-	190	490	560	314
SH/200ST	1748	1150	780	650	120	280	692	673	419	635	27	1940	620	900	439
SH/250ST	1816	1150	780	650	120	280	762	775	464	674	-	65	620	900	46)
SH/300ST	1873	1150	780	650	120	280	812	937	629.	832	-	224	620	900	486
SH/350TU	2320	1460	1050	900	150	350	953	1048	660	889	2	84	860	1200	597
SH/450TU	2475	1460	1050	900	150	350	1100	1420	940	1230	-	420	860	1200	615
SBH/150S	1700	920	785	450	120	280	622	625	415	615	-	155	640	760	382

出口角度图

Discharge angle



SH\SBH 泵外形尺寸

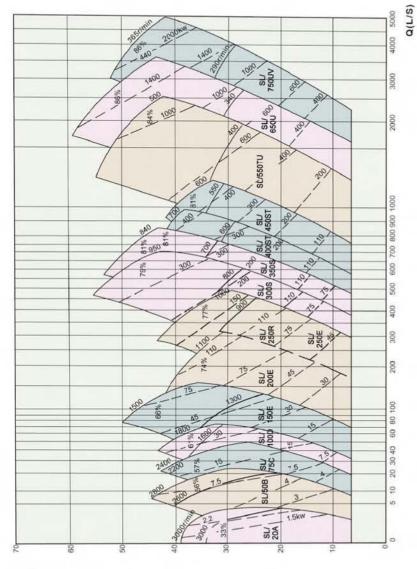
Outline and Installation of SH\SBH Pump

т	s	n-d	s	吸入口法 UCTION FL	ANGE			DISCHARO	l狭瀬 E FLANGI	8	凝重 WEIGH	PUMP (T(kg)
¥.	3	n-a	Do	D)	D2	n-di	d ₀	d)	d2	n-d2	金属 METAL	RUBBEI
38	24	4- \$ 14	152	38	114	4- \phi 16	165	25	127	4- ÷ 16	91	77
48	32	4-ф 19	152	38	114	4- + 17	1:52	25	114	4- ⊕ 17	318	-
38	24	4-414	184	51	146	4- ф 19	165	38	127	4-619	104	118
48	32	4- ф 19	216	76	178	4-4-19	184	51	146	4 19	191	154
64	38	4- ф 22	216	76	178	8-ф 19	203	51	165	4- ⊕ 19	750	7.00
48	32	4- 4 19	279	102	235	4-422	229	76	191	4-622	263	236
64	38	4- 4- 22	279	102	235	4- ⊕ 22	229	76	191	4- 0 22	363	290
76	54	4- \$ 29	254	102	210	8-ф 19	254	76	210	8- φ 19	1250	2=
64	38	4- ¢ 22	337	152	292	4- 4 22	279	102	235	4-622	626	454
76	-54	4- ¢ 29	337	152	292	4-4-22	279	102	235	4- o 22	728	635
90	70	4- ϕ 35	337	152	292	8- \$ 22	205	120	260	8- \$ 22	2880	249
76	54	4- 4 29	406	203	356	8- ф 22	268	152	321	8-621	1473	982
70	:50	4- ± 28	406	203	356	8-4-22	368	152	321	8- ♦ 22	1655	-
125	80	4- 448	432	203	375	8-ф 29	432	152	375	8- ⊕ 29	6586	1922
76	.54	4- \$ 29	502	254	445	8- ф 29	432	203	375	8- ♦ 29	1625	1202
70	50	4- \$ 28	502	254	445	8-ф 29	432	203	375	8- ∳ 29	1836	. 12
125	80	4- 448	502	254	445	8-ф 29	432	203	375	8- ♦ 29	3750	3130
125	80	4- + 48	527	305	470	12-4-25	527	254	470	12- ¢ 25	4318	3357
125	80	4- \$ 48	585	356	521	12 4 25	552	305	495	12- o 25	6409	4672
150	95	4-479	705	406	341	12-4-35	673	356	610	12-φ29	10000	1.57
150	95	4- ¢ 79	900	508	800	12 442	900	460	800	12- o 42	18864	15921
90	70	4- 4 35	380	152	320	8- 4 27	420	150	360	8- 4 27	127	122

• 12 • • 13 •

SL 型泵

Type SL



ΞÊ

注:清水近似性能,仅供初步选型用 NOTE:Approximate performance for clear water, to be used for primary selection only.

SL 型泵性能参数 Performance Parameter of SL Pump

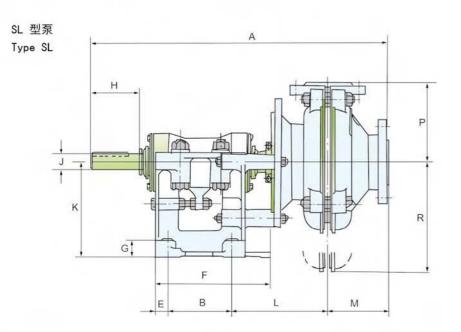
型	允许配代最大功率	村质MATERIAL	所 HAL		清水性能	1920	CLEAR WATER PERFORMANCE	HFORMANCE			TH WELLER
1405	ALLOWABLE	护套	计	流量 O	CAPACITY	扬程 HEAD	转速 SPEED	最高效率	机	No.	叶轮直 IMPEL
1	POWER(KW)	LINER	IMPEL	(m³/h)	(S/I)	Σ (ξ	n (r/min)	F# 6#	HS (E)	NO.OF VANES	DIA. (mm)
SL/20A	7.5	M	Σ	2.34~10.8	0.65~3	6~37	1400-3000	30		4	152,4
SU50B	15	N	Σ	16.2-76	4.5-20	9-44	1400-2800	55		4	190
SL/75C	30	Σ	Σ	18~151	5~42	4~45	900-2400	57		4	229
SL/100D	09	×	Σ	50~252	14~70	7~46	800~1800	9	2~3,5	4	305
SU150E	120	×	Σ	115~486	32-135	12~51.5	800~1500	99	2-6	4	381
SL/200E	120	×	N	234~910	65~253	9.5-40	600-1100	94	3-6	4	457
SL/250E	120	M或RU	Σ	396~1425	110~396	8~30	500~800	77	2~10	ı	550
SU300S	260	Σ	Σ	468~2538	130~705	8~60	400~950	79	2-10	ın	653
SL/350S	260	×	Σ	650~2800	180~780	10~59	400~840	81	3~10	ß	736
1		×	Σ	720~3312	200 920	7~51	300 ~ 700	80	2~10		
SL/400S1	000	RU	D.	756~3312	210~920	7~37.5	300~600	85	2-8	n	079
	0	Σ	Σ	1008~4356	280~1210	9~48	300~600	80	2~9		0
SL/450ST	000	B.	RU.	1080-4356	300~1210	9~40	300~550	87	3~10	n	2000
		Σ	Σ	1980-7920	560~2200	10~50	250~475	98	4~10	34	
SL/55010	1200	NO.	E.	1980~7920	560~2200	10~20	250~475	98	4~10	n	5171
100		×	Σ	2520~9108	700~2530	10~22	200~350	86	2~8	,	
01000070	1200	BU	BU	2520~9108	700~2530	10~39	200~350	98	2~8	n	1473

1. "M"代表合金耐磨材料, "RU"代表橡胶材料。

2.推荐流量范围50%Q' ≤Q≤110%Q' (Q' ≈相应于最高效率点流量)

NOTE: 1. "RU" : rubber, "M" : alloy wear-resisant material, 2.Capacity range recommened: 50%Q* ≤Q≤110%Q*

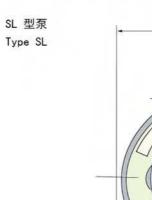
(Q' ≈Appropriate to capacity at highest efficiency point)

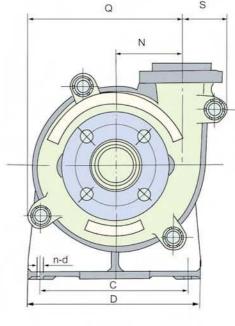


外型安装尺寸图

Outline and Installation Dimension

型号 TYPE	A	В	С	D	Е	F	G	n-d	Н	J	K	L	М
SL(R)/20A	461	159	241	286	25	210	28	4-618	57	20	145	89	90
SL(R)/50B	624	143	254	295	24	248	38	4- ♦ 14	80	28	197	191	136
SL(R)/75C	813	175	356	406	32	311	48	4-619	120	42	254	253	163
SL(R)/100D	950	213	432	492	38	364	64	4- \$ 22	163	65	330	280	187
SL(R)/150E	1218	257	546	622	54	448	76	4- 6 29	220	80	457	376	237
SL(R)/200E	1334	257	54+	622	54	448	76	4- ♦ 29	220	80	457	413	306
SL(R)/250E	1348	257	546	622	54	448	76	4- ÷ 29	220	80	457	411	324
SL(R)/250R	1406	490	560	680	50	590	-70	4- 0-28	216	85	350	322	324
SL(R)/300S	1720	640	760	920	70	780	90	4-635	280	120	450	415	300
SL(R)/350S	1776	640	760	920	70	780	90	4- \$35	280	120	450	425	340
SL(R)/400ST	1840	620	900	1150	80	780	125	4-648	280	120	650	480	375
SL(R)/450ST	1875	620	900	1150	80	780	125	4- 448	280	120	650	500	400
SL(R)/550TU	2400	860	1200	1460	95	1050	150	4- ⊕ 79	350	150	900	625	500
SL(R)/650U													
SL(R)/750UV													





外型安装尺寸图

Outline and Installation Dimension

				TEAD SIZE	吸入法*		TION FI	ANGE	吐出法兰	100000000000000000000000000000000000000	HARGE I	
N	S	Q	R	Р	外检 O.D.	内径 I.D.	孔中心矩 C-C BET。 HOLES	#L HOLE	外径 O.D.	内径 1.D.	化中心矩 C-C BET. HOLES	#L HOLE
86	144			128	114	25	83	4- o 14	102	20	73	4- 414
114		155		163	184	75	146	4-619	165	50	127	4~ ¢ 19
146	102			204	229	100	191	4- 6 19	203	75	165	4-+ 19
190	118			262	305	150	260	4- ⊕ 22	229	100	191	4-622
248	155			324	368	200	324	4- è 19	305	150	260	4-619
292	199			401	445	250	394	8- o 22	382	200	337	8- ± 22
438	257	476	603	470	552	305	495	8- φ 32	483	254	425	8- 6 32
438	257	476	603	470	552	305	495	8-ф 32	483	254	425	8- \$32
475	165	599	634	570	560	350	500	12- ♦ 26	530	300	470	12-4-26
530	295	643	691	620	640	400	580	12-6 26	590	350	530	12-626
600	343	747	809	740	720	450	650	12- o 33	685	400	615	12- o 33
660	375	814	872	800	770	500	700	12- ¢ 33	740	450	670	12-4-33
860	453	1055	1142	975	975	650	880	12-6-39	900	550	800	12- \(\phi\) 39



SV/SVR型液下泵

SV/SVR Sump Pumps

用涂和特点

SV、SVR型液下泵为立式离心渣浆泵、浸入液下、用于输送腐蚀性、粗颗粒、高浓度渣浆。不需要任何轴封和轴封水。 在吸入量不足的工况下也能正常工作。

SV型泵过流部件由耐磨金属制成

SVR型泵浸入液下的零部件均有橡胶外衬,适用于输送无棱角的磨蚀性渣浆。

型号中含"L"字母为加长轴系列的液下泵,可适用于液位较深的工况,这种泵在标准的基础上增加了导轴承结构,运 转更平稳,适用更广泛。但在导轴承部位需要附设冲洗水。

Application and Features

Type SV/SVR pumps are vertical, centrifugal slurry pumps submerged in sump to work. They are designed for delivering abrasive, large particle and high density slurries. These pumps have no need of any shaft seal and sealing water. They can also be operated normally for insufficient suction duties.

Wet parts of type SV pumps are made of abrasion-resistant metal.

All parts of type SVR pump immersed in liquid are lined with rubber outer liner. They are suited to transport non-edge angle abrasive slurry.

The type with "L" is a sump pump of extended shaft series, which is suited for the working condition of deeper level. The guide bearing construction is added to the pump on the basis of the standard pump, so the pump is with both more steady operation and wider application range, but flushing water should be attached to the guide bearing.

型号和意义

SV (R) / 40 P (L) 加长轴系列 轴承组件 泵付出口直径(臺米) 立式橡胶液下渣浆泵 立式金属液下渣浆泵

Type Notation

SV (R) / 40 P (L) Extension type Bearing assembly type Outlet diameter(mm) Rubber vertical sump slurry pump



Shijiazhuang Minerals Equipment Co., ltd SINE

SV/SVR型液下泵清水性能表

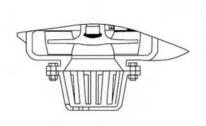
Clear water Performance for SV and SVR Sump Pumps

型号	允许配代 最大功率		质 terial		性能范围	Ran	ge of Perfo	rmance			轮 eller
Туре	(Kw) Allowable Mating	护套	叶轮	流量	Q Capacity	扬程H	转速 n	最高效率	汽蚀	叶片数	叶轮
1,740	Max. Power	Liner	Impeller	(m³/h)	(L/s)	(m) Head H	Speed n	Max.Eff (%)		No.of Blades	Impeller Diamete (mm)
SV/40P(L)	15	М	М	19.44-43.2	5.4~12	4.5~28.5	1000-2200	40		5	188
SVR/40P(L)	15	RU	RU	17.28-39.6	4.8-11	4-26	1000-2200	40		5	188
SV/65Q(L)	200	М	М	23.4~111	6.5~30.8	5~29.5	700~1500	50		5	280
SVR/65Q(L)	30	RU	RU	22.5-105	6.25~29.15	5.5~30.5	700~1500	51		5	280
SV/100R(L)	75	М	м	54~289	15~80.3	5-35	500~1200	56		5	370
SVR/100R(L)	1.0	RU	RU	64.8~285	18~79.2	7.5~36	600~1200	62		.5	370
SV/150S(L)	110	М	м	108-479.16	30-133.1	8.5~40	500~1000	52		5	450
SV/200S(L)	110	М	м	189~ 891	152.5~247.5	6.5~37	400~850	64		5	520
SV/250T(L)	200	М	М	261-1089	72.5~302.5	7.5~33.5	400~750	60		5	575
SV/300T(L)	200	М	м	288-1267	80~352	6.5~33	350~700	50		5	610

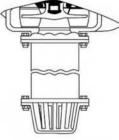
注: "M" 是合金耐磨材料。"RU" 是橡胶材料。 NOTE: "M": Wear-resistant alloy. "RU": rubber



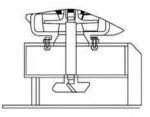
Three-kind construction of the pump inlet



标准带滤网型式 Standard Type with Strainer



加吸入管带滤网型式 Suction Pipe with Strainer

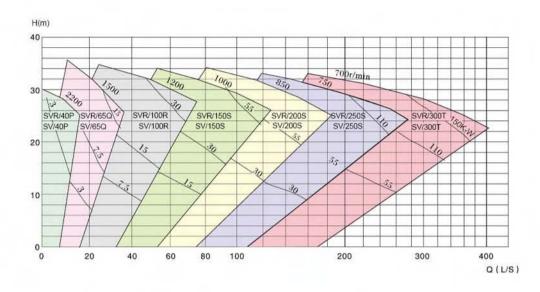


带搅拌轮型式 With Agitator

Metal vertical sump slurry pump

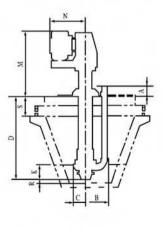
SV/SVR型液下泵型谱

Type SV and SVR Sump Pumps Selection Chart

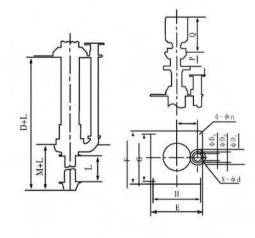


外形安装尺寸图

Outline Installation Drawing



皮带传动 Belt Drive

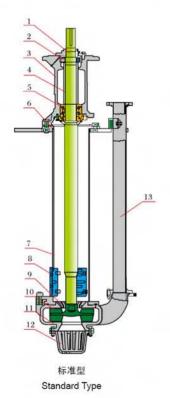


直接传动 **Direct Coupled Drive**

SV &SVR 型液下泵外形尺寸表 Outline Dimensions for SV and SVR Sump Pumps

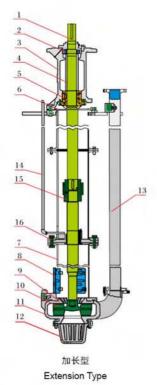
SV/SVR型液下泵结构图

Construction Drawing for SV and SVR Sump Pump



SV型液下泵全部为金属件,用于输送腐蚀性渣浆 SVR型液下泵是橡胶保护,用于输送酸性磨蚀性渣浆

序号 Serial number		ド件名称 Parts name
1	轴	SHAFT
2	轴承	BEARING
3	轴承体	BEARING HOUSING
4	轴承挡套	BEARING SPACER
5	轴承	BEARING
6	调整垫	SHIM
7	支架	COLUMN
8	滤网	STRAINER



Type SV all metal for abrasive duty. Type SVR elastomer protected for acid/abrasive duty.

序号 Serial number		件名称 Parts name
9	后护板	BACK LINER
10	叶轮	IMPELLER
11	泵体	PUMP CASING
12	下滤网	LOWER STRAINER
13	吐出管	DISCHARGE PIPE
14	水封管	FLUSHING PIPE
15	联轴器部件	COUPLING PART
16	中间支承部件	MIDDLE SUPPORT PART

SG/SHG型砂砾泵

SG/SHG Gravel Pumps



SG(或SHG)型砂砾泵主要用于由于颗粒太大以至于一般渣浆泵不能输送的强磨蚀物料的连续输送。适用干挖泥船挖 泥、疏浚河道、采矿及金属治炼爆渣的输送等。其中SHG型为高扬程砂砾泵。

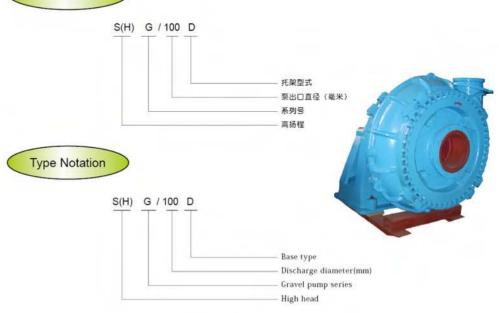
该泵采用了以卡带连接的单泵壳结构,过流通道宽畅。其过流部件采用了硬镍、高铬等耐磨材料。泵的吐出口方向可 在360°的任何一个位置,具有安装使用方便,汽蚀性能好,抗磨蚀等优点。

Product Features

Type SG(or SHG) gravel pumps are designed for continously handling the most difficult higher abrasive slurries which contain too big solids to be pumped by a common pump. They are suitable for delivering slurries in Mining, Explosive sludge in metal melting, Dredging in dredger and course of rivers, and other fields. Type SHG pumps are of high-head ones.

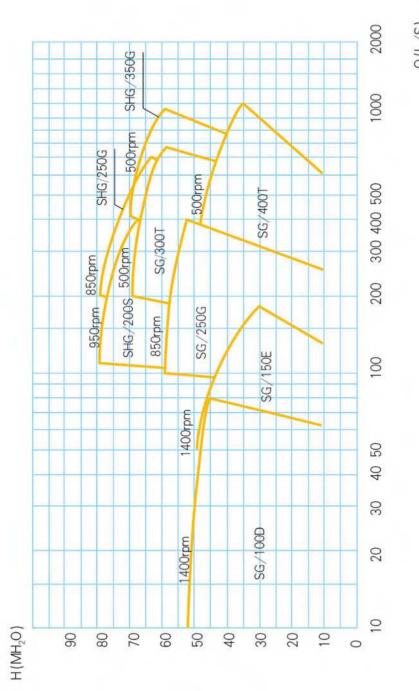
Construction of this pump is of single casing connected by means of clamp bands and wide wet-passage. The wetparts are made of Ni hard and high chromium abrasion-resistance alloys. The discharge direction of pump can be oriented in any direction of 360° This type of pump possesses the advantages of easy installation and operation,good performance of NPSH and abrasion-resistance.

型号意义



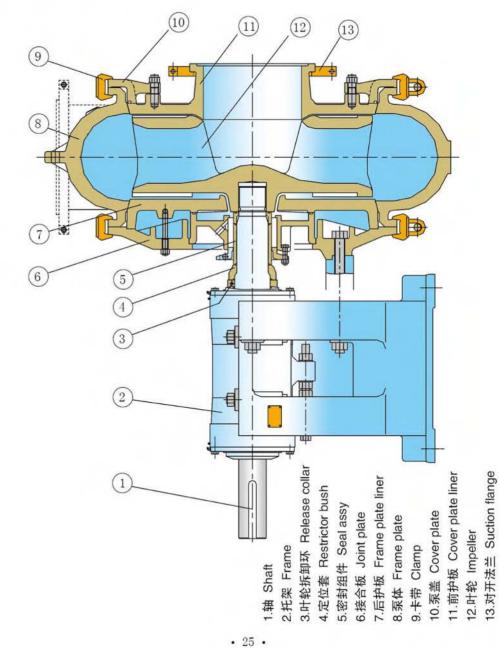
SG (SHG)型砂砾泵型谱

Gravel pumps selection chart



SG(SHG)结构设计

SG(SHG) Construction Design



SG(SHG)型泵外形和安装尺寸 Outline Dimensions for type SG and SHG



出田口洪

Shijiazhuang Minerals Equipment Co.,ltd SIIIE

SF 型泡沫泵

SF Series Froth Pump

品特点

SF系列泡沫泵是我厂在吸收消化国内外先进技术的基础上开发研制的新一代产品,并将此推广。现广泛应用干冶金, 煤炭,化工等工业部门。适用于输送含有泡沫的磨蚀件或腐蚀件渣浆,该系列泵在工作时能有效地消除浆体中的泡沫。在 来料不足的情况下部仍能正常工作,特别适于各种浮选工艺流程中,是输送泡沫类浆体的理想产品。

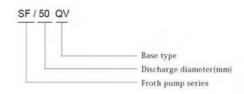
Product Feature

SF series froth pumps are SME newly designed & developed products based on the advanced technology from home and abroad. Being popularized and promoted; now they are widely used in metallurgical industry,mining sector, coal ore and chemical engineering to handle abrasive and corrosive slurries with foam and froth. When operated, SF pumps can effectively eliminate foam and froth in slurry and will also function poperly even with inadequate feeding slurry, thus making them the ideal choice for delivering foam slurries, esp.in flotation process.

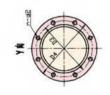
型号意义

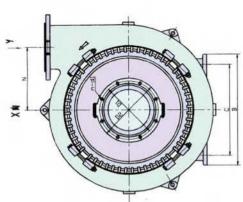


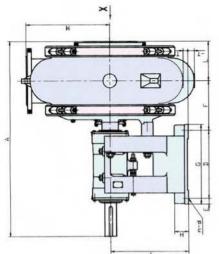












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结构特点

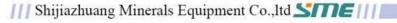
- 1、该型泵采用干SV,SVR型轴承组件,轴承体安装有电机座或电机架,即可采用直接传动或间接传动,可以方便地 更换皮带轮,用来改变泵的转速,以满足工况变化。
- 2、料箱采用钢结构或不锈钢,钢衬橡胶等,设有切向进料口和溢流箱,溢流箱可以方便地把多余的来料再送回料池。 切向进口可使物料迅速的进入泵内并消除部分泡沫。
 - 3、泵头结构为双泵壳结构,根据输送介质不同,过流部件可采用;金属,橡胶或其它非金属材料。

Structure Features

- 1. Bearing assembly of SF series is the same with that of SV.SVR series. Bearing housing is installed with motor frame base or supporting plate, i.e. pump and motor are connected either directly with coupling or through pulley and belts. Pulleys can be exchanged conveniently to adjust the pump rotating speed to satisfy the varying operating conditions.
- 2. Feeding tank can be steel, stainless steel or coated with rubber with overflow box and tangential inlet. The former can transmit the excessive incoming slurry back to its pit, while the latter will allow the slurry quickly get into the pump body and make part of the foams disappear.
- 3. Double casings structure the pump head. Wetted parts are metal lined, rubbet lined or of other non-metallic material according to the different slurries.

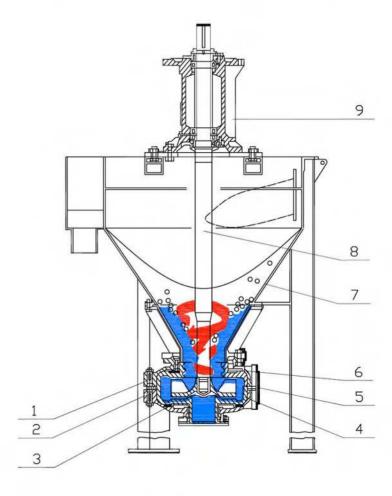
性能范围 Performance range

型号	流量	扬程	转速	效率	配带功率		l径 neter
Model	Capacity (m3/h)	Head (m)	Speed (r/min)	Eff (%)	Installed with power	吸入inlet (mm)	吐出Outlet (mm)
SF/50QV	7.6~42.8	6~29.5	800~1800	45	15	100	50
SF/75QV	23~77.4	5~28	700~1500	55	18.5	150	75
SF/100RV	33~187.2	5~28	500~1050	55	37	150	100
SF/150SV	80~393	5~25	250~680	55	75	200	150
SF/200SV	126~575	5.5~25.5	350~650	55	110	250	200



SF型泡沫泵结构图

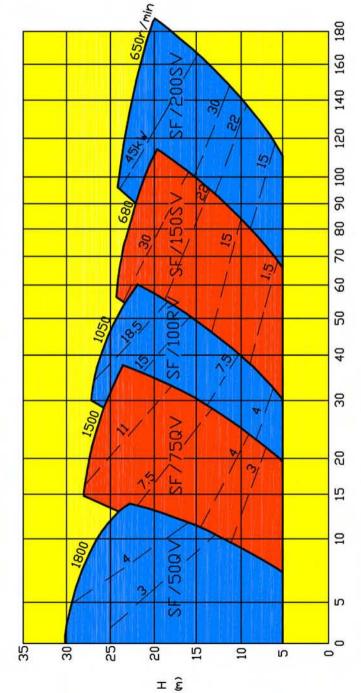
Construction Drawing Of Froth Pump SF



- 1-泵体 frame plate
- 2-泵盖 cover plate
- 3-前护板 cover plate liner insert
- 4-护套 volute liner
- 5-叶轮 impeller

- 6-螺旋前护板 frame plate liner
- 7-料箱 tank
- 8-轴 shaft
- 9轴承体 bearing housing

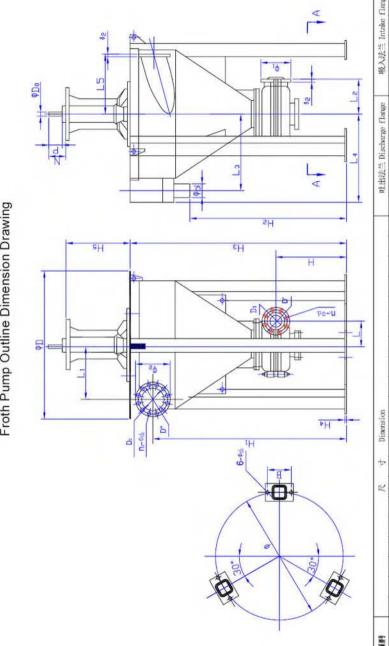
FROTH PUMPS SELECTION CHART 泡沫泵型谱



注:清水近似性能、仅代初步选型用 Note: Approximate performance for clear is used for primry selection only

泡沫泵外型尺寸图

Froth Pump Outline Dimension Drawing



養養会							民	P	(Telephone)	Dimension	ion											中出沿	出法型D	Discharge f	R ag	flange		吸入法兰	F Ir	Intake	flange	
azis dwn	I	Ξ	Ŧ	H	Ξ	Í	_	Ľ	ï	ت	L L L	3	9	æ	ΦD	z	р ф d	₽ø	ød.	ØD,	Di	o.	6	ů.	ød:	61	D,	<u>.</u>	0	ë	ød:	52
SF / 500V 382 1140 85	382	114	0 850	0 820	ç	17.7	138	3 360	0 210	0 48(480 565	380	800		000	17.4	011	100	19	0	21	146	184		19	25	102	178	102 178 216	4	19	12
SF / 750V 467 1250 950	467	125	0 950	01400	ų.	1	149	354	4 262	2 510	510 625	5 445	5 840		720	1		168	18	2	9/	191	229	4	22	27	152	152 235	279	0	18	16
SF/100RV 5	80	172	17201310	10 1910	16	16 637 229 5	7 229	9 53	537 338	3 74(986	900	740 860 600 1230 230 1444 238	230	144	238	170	170 150 19	19	65	102	102 235	279		u u	32	203	292	337		19	12
F/150SV	701	UCVC	100	077701105105170	00	279 00	318	3 6 9 6	460	0,000	g	ou c	000 000	000	1976	200	210	010	00	00	152	324 365	365		21	38	205	707	157	Ç	00	00
F/200SV	1	Ž.	2	7	3	6	381		470		2	o o	5	200	127	200	2		J	0	203	203 375	432	0	29	44	200	001			u u	J



Shijiazhuang Minerals Equipment Co.,ltd SITE

TL(R)型脱硫泵

TL(R) series Desulfurization pump

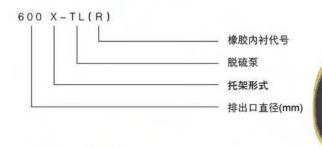
结构特点

TL(R)系列脱硫泵为单级单吸卧式离心泵,主要作为湿法FGD装置中吸收塔循环泵使用。具有流量范围宽、高 效节能等优点。该系列泵配有结构紧凑的X型托架,可大大节约占地空间。同时,我公司针对脱硫系统用泵特 点开发了多种材料。

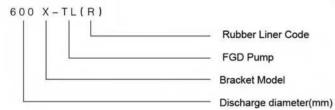
Structure Features

Series of TL FGD pump is a single stage, single suction horizontal centrifugal pump. It is mainly used as the circulating pump for absorbent tower in FGD appliances. It has such features; wide range capacity, high efficiency, better energy saving. This series of pump is matched by tight structure X bracket which can save much space. Meanwhile our company develops many kinds of materials targeted on the pump for FGD.

型号意义



Type Notation



示例

600X-TLR, 即为排出口直径600mm, 轴承润滑方式为稀油润滑, 橡胶内衬。 700X-TL, 即为排出口直径700mm, 轴承润滑方式为稀油润滑, 金属内衬。

Samples

600X-TLR: The diameter of discharge: 600mm, bearing lubricating type: oil, Rubber liner. 700X-TL: The diameter of discharge: 700mm, bearing lubricating type: oil, Metal liner.



叶轮浇注温度场CAE Pouring Temperature Field CAE



叶轮注压力场CAE Impeller Pouring Pressure Field



叶轮凝固CAE Impeller Concretion CAE



叶轮三维造型 Impeller Modeling by 3-Dimension

技术特

泵过流部件采用先进的CFD流动模拟分析技术,使其设计可靠,运行效率高。

调节轴承组件可改变叶轮在泵腔中的位置, 使泵机组始终处于高效运行状态。

泵为后拆式结构,结构简单,维修方便,无需拆卸泵的进出水管路。

泵端采用双列圆锥滚子轴承,驱动端采用圆柱滚子轴承,轴承采用稀油润滑,改善了轴承工作条件,大大提高 了轴承的寿命。

机械密封采用专用于脱硫工艺的集装式机封,运行可靠。



Features

CFD flowing simulating analysis technology is adopted on wetted parts of pump, it has a reliable property and high operational efficiency.

To adjust bearing assembly can change impeller position in volute, it can keep pump unit in a state of high efficient operation.

The pump is back pull-out construction, it has easy construction and simplifies maintenance. It can be disassembled without dismantling suction & discharge pipes.

Double rows taper roller bearings are fitted on pump end, roller bearings are fitted on drive end. Bearings are lubricated by oil which can modify bearing working condition and increase wear life of bearings.

Mechanical seal adopted is special for cartridge mechanical seal of FGD process.

材料的选用

我公司专门为FGD装置开发研制了一种新型双相不锈白口铁材料,该材料展现了双相不锈钢的耐腐蚀性和高铬 白口铁的耐磨性,使其在FGD流程中具有显著的耐磨耐腐蚀性。

泵体、泵盖和接合板为承压件,采用球墨铸铁;

胶泵结构中: 叶轮, 吸入盖/前护板为双相不锈白口铁, 前护套、后护套、后护板的材料为天然橡胶, 具有天 然的良好的耐磨蚀性能,且重量轻,成本相对较低。

金属内衬中: 叶轮、护套、前护板、后护板双相不锈白口铁, 吸入盖为球铁贴胶。

Material adopted

Our company developed a kind of new material duplex phase stainless white iron on FGD device specially. The material has anti-corrosive property of duplex stainless steel and anti-abrasive property of high chrome white iron so that it has remarkable antiabrasive and anti-corrosive property in FGD process.

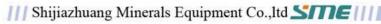
Pump casing, pump cover and adaptor plate are bearing pressure parts which are made of ductile iron.

Rubber lined pump: Impeller, suction cover/front liner insert are made of duplex phase stainless white iron. Front liner, back liner, back liner insert material is natural rubber which has good anticorrosive property with light weight, low cost.

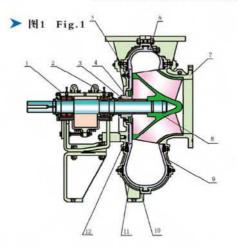




Metal lined pump:Impeller, volute liner, front liner insert, back liner insert are made of duplex stainless white iron. Suction cover is made of ductile iron with rubber stuck.



TL(R)系列脱硫泵结构图 Constructional Drawing of Series TL(R) FGD Pump



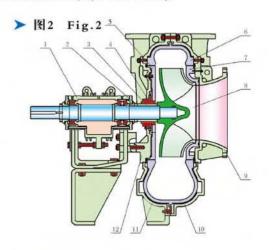


Table 1

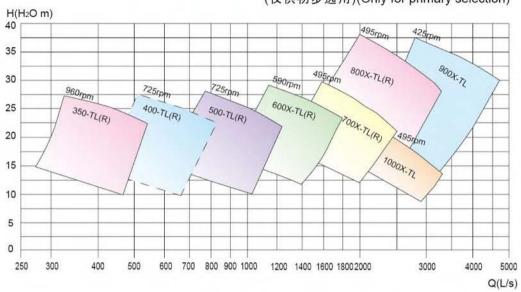
序 号 Item No.	名 称 Part Name	材 料 Material	序 号 Item No.	名 称 Part Name	材 料 Material
1	托架 Base		7	吸入盖 Suction Cover	双相不锈白口铁 duplex phase stainless white iron
2	叶轮拆卸环 Impeller Releaser	不锈钢 Stainless Steel	8	叶轮 Impeller	双相不锈白口铁 duplex phase stainless white iron
3	轴套 Shaft Sleeve	ZG0Cr18Ni12Mo2Ti	9	泵盖 Cover	QT500-7
4	机械密封 Mechanical Seal		10	后护套 Back Liner	天然橡胶 + A3 Rubber+A3
5	后护板 Back Liner Insert	天然橡胶 + A3 Rubber+A3	11	泵体 Casing	QT500-7
6	前护套 Front Liner	天然橡胶 + A3 Rubber+A3	12	接合板 Adpator Plate	QT500-7

表二 Table 2

序号 Item No.	名 称 Part Name	材料 Material	序号 Item No.	名 称 Part Name	材料 Material
1	托架 Base		7	前护板 Front Liner Insert	双相不锈白口铁 duplex phase stainless white iron
2	叶轮拆卸环 Impeller Releaser	Stainless Steel	8	叶轮 Impeller	双相不锈白口铁 duplex phase stainless white iron
3	轴套 Shaft Sleeve	ZG0Cr18Ni12Mo2Ti	9	吸入盖 Suction Cover	QT500-7胶 QT500-7+Rubber
4	机械密封 Mechanical Seal		10	泵盖 Cover	QT500-7
5	后护板 Back Liner Insert	H59	11	泵体 Casing	QT500-7
6	护套 Volute	H59	12	接合板 Adpator Plate	QT500-7

TL(R)系列脱硫泵型谱 Selection Chart For Type TL (R) FGD Pump

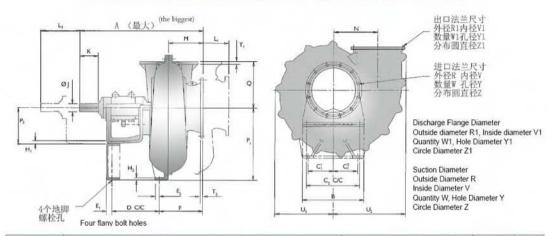
(仅供初步选用)(Only for primary selection)



TL(R)系列脱硫泵基本参数 Basic Parameter of Type TL(R) FGD Pump

型 号	流 Capa		扬程 Head	转速 Speed	效率 Eff.	必需汽蚀余量	排出口直径/吸入口直径 Discharge Diameter/
Pamp Type	m³/h	L/S	H (m)	n (r/min)	(%)	NPSHR	Suction Diameter (mm/mm)
350TL(R)	1600	444	25	960	82	4.5	350/400
400TL(R)	2500	694	25	725	83	5.0	400/450
500TL(R)	3750	1040	25	725	85	5.0	500/500
600TL(R)	6300	1750	25.5	620	88	5.5	600/700
700TL(R)	6840	1900	26	485	87	6.0	700/800
800TL(R)	9360	2600	31	485	90	7.0	800/900
900TL(R)	15000	4167	30	485	90	8.5	900/1000
1000TL	10440	2900	15	485	89	7.0	1000/1200

TL(R)系列脱硫泵安装尺寸图 Installation Dimension Diagram of Type TL(R) FGD Pump



			安	装尺	寸 Insta	allation	n Dime	nsion					4	曲 Shaft			地脚螺 栓孔**	重量
泵型号 Pump Type	А	B**	c¦	C ₁ ²	C ₂	D	Εı	E2	F*	Н	H ₂	fJ	к	键尺寸 Key Dimension	Lı	La	Anchor Bolt Hole	(kg) Weight
350X-TL(R)	1450	660/1040	390	490	560	589	90	302	340	25	30	85.03 85.01	218	22	160	360	f28	1858
500X-TL(R)	1773	1000/960	425	425	850	652	110	551	595	35	40	120.03 120.01	210	32	150	400	f42/f40	4000
600X-TL(R)	1855	960	425	425	850	670	110	50	667	35	40	120.03 120.01	284	32×18	330	610	f39	4575
700X-TL(R)	2315	1300	550	730	1100	895	130	75	768	40	45	150.040 150.015	355	36×20	375	720	f51	7280
800X-TL(R)	2460	1300	550	550	1100	885	135	75	933	40	45	150.04 150.01	355	36×20	550	800	f51	8300
900X-TL(R)	2516	1350	575	575	1100	900	130	75	960	40	45	150.04 150.01	355	36×20	550	900	f51	10720
1000X-TL(R)	2870	1300/1975	888	888	1100	860	130	1310	1366	40	80	150.04 150.01	355	36		870	f51/f42	10800

			安装户	रेने ॥	stallatio	on Dim	ension	i.		进	口法主	£ Si	uction	Flange	出口	口法兰	Di	scharge	Flange
泵型号 Pump Type	M*	N	Pı	P ₂	Q*	T,*	T ₂ *	Uı	U2	R	٧	w	Υ	Z	Rı	V,	W ₁	Yı	Zı
350X-TL(R)	340	430	700	400	505	50	38	559	728	580	400	16	30	525	580	350	14	30	525
500X-TL(R)	421	580	950	500	665	60	44	735	946	715	500	20	33	650	715	500	18	33	65
600X-TL(R)	525	700	1050	500	775	48	40	901	1155	910	600	24	30	840	840	600	18	36	770
700X-TL(R)	583	780	1290	700	930	68	60	1080	1350	1025	768	24	40	950	1025	700	22	40	950
800X-TL(R)	712	930	1400	700	985	62	62	1141	1493	1125	900	28	40	1050	1125	800	26	40	1050
900X-TL(R)	760	1075	1620	700	1050	70	70	1410	1765	1375	1000	28	51	1250	1330	900	28	51	1210
1000X-TL(R)	1016	940	1400	700	1000	50	56	1153	1586	1455	1200	32	39	1330	1230	1000	28	36	1160

^{*:} 处尺寸包括放入橡胶密封垫的尺寸 The dimensions comprise the dimension put into rubber sealing pad

^{**:} 托架/泵体 Bracket / Casing

ZGB(P)系列渣浆泵

ZGB(P) Slurry Pump

产品特点

ZGB(P)系列渣浆泵为卧式、单级、单吸、悬臂、双泵壳、离心式渣浆泵。该泵从驱动端看为顺时针旋转。

相同口径的ZGB和ZGBP型渣浆泵的过流部件可以互换,外形安装尺寸相同。ZGB(P)系列渣浆泵的传动部分采用水平中开式器油润滑杆架,并设有内外两组水冷却系统。

必要时可加冷却水。预留的冷却水接口、冷却水压力参考表1。

ZGB(P)系列渣浆泵的轴封型式有两种;付叶轮加填料组合式密封和机械密封。

凡串联渣浆泵(二级或二级以上)建议采用有高压轴封水的机械密封。单级或串联一级采用付叶轮加填料组合式密封。 各种轴封型式的轴封水压、水量如下:

1 轴封水压

- ·对于单级(或串联一级)采用填料加付叶轮组合式密封,轴封水压力一般为0.2-0.3MPa。
- ·对于多级串联采用填料加付叶轮组合式密封,二级和二级以上轴封水最低压力一般为: P₀= □ Hi + 0.7 H₀,其中n ≥ 2; H i为第i级泵扬程; H₀为第n级泵扬程。
- ·对采用机械密封、各级泵的轴封水压力一般要求比泵出口压力大0.1Mpa。

2.轴封水量(见表1)

Product Features

The series ZGB(P) slurry pump is of horizontal, single-stage, single-suction, cantilever, double-casing, centrifugal slurry pump. The pump rotates in clockwise viewed from the drive end.

The wet parts of ZGB and ZGBP pump at the same outlet diameter can be interchangeable. Their outline installation dimensions are one and the same. For the drive part of the series ZGB(P) slurry pump, the horizontal split frame with oil lubrication and two sets of water cooling systems inside and outside has been adopted. If necessary, cooling water can be supplied. The prepared joint for cooling water and the pressure of the cooling water can be seen in table 1.

Two kinds of shaft seal--expeller seal combined with packing and mechanical seal have been used for series ZGB(P) slurry pump.

The mechanical seal supplied with high pressure sealing water is recommended when the slurry pump is operated in series(two stages and above two stages), and the expeller seal combined with packing is used in single-stage pump.

The water pressure and amount of all kinds of the shaft seal is as follows:

1) Sealing water pressure

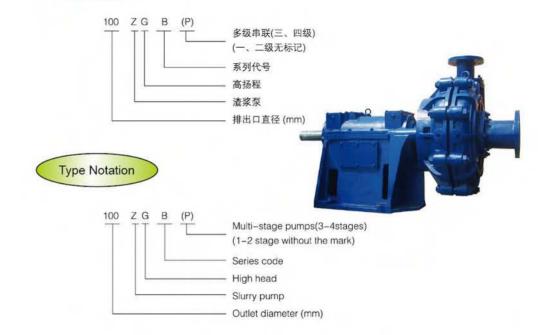
For single-stage pump with the expeller seal combined with packing, the water pressure of the shaft seal is 0.2-0.3 MPa.

For multi-stage(two and above two stages) in series operation with the expeller seal combined with packing, the sealing water pressure should be:

The lowest sealing water pressure of n stage = $\sum_{i=1}^{n-1} Hi + 0.7 H_n$ Where:n ≥ 2 . For mechanical seal, the sealing water perssure of each stage of pump is higher 0.1MPa than pump discharge pressure

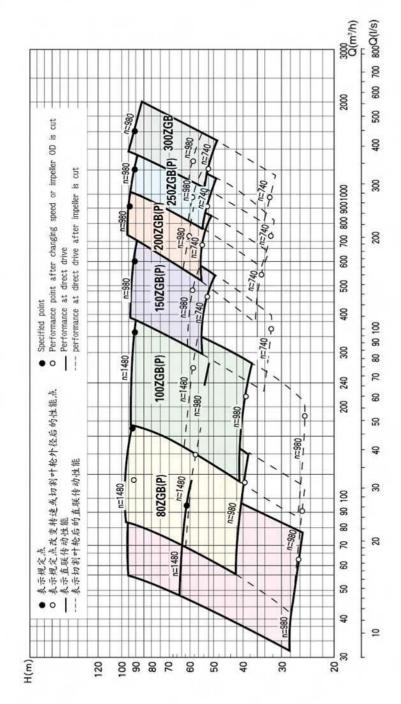
2) Sealing water pressure (see table 1)

型号意义



泵型号 PUMP TYPE	托架 Frame	轴封水量(l/s) Sealing water	轴封水接口 Sealing water joint	托架冷却水接口 Cooling water joint on frame	托架冷却水压口 Cooling water pressure
65ZGB	320	0.5	1/4"	1/2", 3/8"	
80ZGB 100ZGB	406	0.7	1/2"	3/4"、1/2"	
80ZGBP 100ZGBP	406A	0.7	0.2	5/4 、1/2	
150ZGB 200ZGB	565		4/01		0.05 ~ 0.2MPa
150ZGBP 200ZGBP	565A	1.2	1/2"	3/4"、3/4"	
250ZGB 300ZGB	743		1"		
250ZGBP	743A				

ZGB(P)型渣浆泵型谱 ZGB(P)Pump Selection Chart



E W D	清水性館	É(CLEAR W	ATER PE	RFORM	MANCE)	轴功率	配套电机型号	叶轮直径	泵重量	排出口直径
泵型号 Pump Type	转速 Speed n (r/min)	流量 Capacity Q (I/s)	扬程 Head H (m)	效率 Eff. η (%)	汽蚀 余量 NPSH (m)	Shaft Power Pa (Kw)	功率/电压 Motor Type POWER/VOLT	IMPELLER Dia. (mm)	PUMP weight (Kg)	吸入口直径 Discharge Suction (mm)
		31.7	58	62.5	4.5	28.8	Y250M-4,55kW/380v			
	1480	26.4	60	59.8	3.7	25.9	Y225M-4,45kW/380v			
05700		15.8	61	47.4	3.0	19.9	Y200L-4,30kW/380v	390	1850	65
65ZGB		21.0	25.4	62.5	2.0	8.37	Y180L-6,15kW/380v	390	1650	80
	980	17.5	26.3	59.8	1.8	7.5	Y180L-6,15kW/380v			
		10.5	26.7	47.4	1.3	5.8	Y160L-6,11kW/380v			
		56.7	87.5	66.1	5.2	73.7	Y315M1-4132kW/380v			
	1480	47.2	90.0	63	4.1	66.1	Y315S-4,110kW/380v			
		28.3	91.6	48.7	2.7	52.2	Y280M-4,90kW/380v	405		
		37.5	38.4	66.1	2.3	21.4	Y250M-6,37kW/380v	485		
	980	31.3	39.5	63	1.8	19.2	Y225M-6,30kW/380v			
		18.8	40.2	48.7	1,2	15.2	Y225M-6,30kW/380v			
		52.0	73.7	66.1	4.4	56.8	Y280M-4,90kW/380v			
	1480	43.3	75.8	63	3.5	51.1	Y280S-4,75kW/380v			
		26.0	77.1	48.7	2.3	40.4	Y280S-4,75kW/380v		0500	80
80ZGB(P)		34.4	32.3	66.1	1.9	16.5	Y225M-6,30kW/380v	445	2500	100
	980	28.7	33.2	63	1.5	14.8	Y200L2-6,22kW/380v			
		17.2	33.8	48.7	1.0	11.7	Y200L1-6,18.5kW/380v			
		46.8	59.5	66.1	3.5	41.3	Y280S-4,75kW/380v			
	1480	38.9	61.2	63	2.8	37.0	Y250M-4,55kW/380v			
		23.3	62.3	48.7	1.8	29.2	Y250M-4,55kW/380v	400		
		31.0	26.1	66.1	1.5	12.0	Y200L1-6,18.5kW/380v	400		
	980	25.8	26.8	63	1.2	10.8	Y200L1-6,18.5kW/380v			
		15.4	27.3	48.7	0.8	8.4	Y180L-6,15kW/380v			
		116.7	85.1	77.9	6.0	124.9	Y315L2-4,200kW/380v			
	1480	97.2	88.2	74.4	3.8	113.0	Y315L-4,185kW/380v			
		58.3	91.8	57.4	2.6	91.4	Y315M2-4,160kW/380v			100
		77.3	37.3	77.9	2.7	36.3	Y280M-6,55kW/380v	500	3000	152
00ZGB(P)	980	64.4	38.7	74.4	1.7	32.8	Y280M-6,55kW/380v			
		38.6	40.3	57.4	1.2	26.6	Y280S-6,45kW/380v			
		105	68.9	77.9	4.9	91.0	Y315M2-4,160kW/380v			
	1480	87.5	71.4	74.4	3.1	82.3	Y315M1-4,132kW/380v	450		
		52.5	74.4	57.4	2.1	66.7	Y315S-4,110kW/380v			

· 40 ·

泵型号 Pump Type	清水性能 转 速 Speed n (r/min)	流量 Capacity Q (l/s)	扬程 Head H (m)	效率 Eff. η (%)	汽蚀 余量 NPSH (m)	轴功率 Shaft power Pa (Kw)	配套电机型号 功率/电压 Motor Type POWER/VOLT	叶轮直径 IMPELLER Dia. (mm)	泵重量 PUMP Weight (Kg)	排出口直径 吸入口直径 Discharge Suction (mm)
		69.5	30.2	77.9	2.1	26.4	Y280S-6,45kW/380v			
	980	57.9	31.3	74.4	1.7	23.9	Y250M-6,37kW/380v	450		
		34.8	32.6	57.4	1.1	19.4	Y225M-6,30kW/380v		3000	100
		93.4	54.5	77.9	3.8	64.0	Y315S-4,110kW/380v		3000	152
100ZGB(P)	1480	77.8	56.4	74.4	2.4	57.8	Y280M-4,90kW/380v			
		46.7	58.8	57.4	1.7	46.9	Y280S-4,75kW/380v	400		
		61.8	23.9	77.9	1.7	18.6	Y225M-6,30kW/380v	400		
	980	51.5	24.7	74.4	1.1	16.8	Y225M-6,30kW/380v			
		30.9	25.8	57.4	0.8	13.6	Y200L2-6,22kW/380v			
		200	85.2	77.7	3.8	215.0	Y400-6,355kW/6kv			
	980	167.0	87.5	70.0	3.5	204.7	Y400-6,315kW/6kv			
		100.0	90.0	53.3	2.7	165.5	Y400-6,280kW/6kv	7.0		
		151.2	48.6	77.7	2.2	92.7	Y355M2-8,160kW/380v	740		
	740	126.0	49.9	70.0	2.0	88.1	Y355M2-8,160kW/380v			
		75.6	51.3	53.3	1.5	71.3	Y355M1-8,32kW/380v			
		182.4	73.0	77.7	3.3	168.0	Y400-6,280kW/6kv			
	980	152.0	75.0	70.0	3.0	159.7	Y355L2-6,250kW/380v			
		91.2	77.1	53.3	2.3	129.3	Y355L1-6,220kW/380v	205		150
150ZGB(P)		140.0	41.6	77.7	1.9	74.2	Y355M1-8,132kW/380v	685	3450	200
	740	117.0	42.8	70.0	1.7	70.1	Y315M3-8,110kW/380v			
		70.2	44.0	53.3	1.3	56.8	Y315M2-8,90kW/380v			
		169.2	61.8	77.7	2.8	131.9	Y355L1-6,220kW/380v			
	980	141.0	63.4	70.0	1.5	125.2	Y355M3-6,200kW/380v			
		84.6	65.2	53.3	1.1	101.5	Y355M1-6,160kW/380v			
		129.6	35.2	77.7	1.6	57.6	Y315M2-8,90kW/380v	630		
	740	108.0	36.1	70.0	0.9	54.6	Y315M2-8,90kW/380v			
		64.8	37.2	53.3	0.6	44.3	Y315M1-8,75kW/380v			
		300.0	89.0	76.3	6.7	342.9	Y450-6,560kW/6KV			
	980	250.0	93.4	73.7	5.6	310.5	Y450-6,560kW/6KV			
2007CP/P)		150.0	94.2	63.2	2.7	219.1	Y400-6,355kW/6KV	740	4000	200
200ZGB(P)		226.5	50.7	76.3	3.8	147.5	Y400-8,220kW/6KV	740	4000	250
	740	188.5	53.3	73.7	3.2	134.3	Y355L2-8,200kW/380V			
		113.3	53.7	63.2	1.5	94.3	Y35M2-8,160kW/380V			

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	清水性能	E(CLEAR W	ATER PE	ERFORM	MANCE)	轴功率	配套电机型号	叶轮直径	泵重量	排出口直径
泵型号 Pump Type	转 速 Speed n (r/min)	流量 Capacity Q (l/s)	扬程 Head H (m)	效率 Eff. η (%)	汽蚀 余量 NPSH (m)	Shaft Power Pa (Kw)	功率/电压 Motor Type POWER/VOLT	IMPELLER Dia. (mm)	PUMP Weight (Kg)	吸入口直径 Discharge Suction (mm)
		283.8	79.6	76.3	6.0	290.2	Y450-6,450kW/6KV			
	980	236.5	83.4	73.7	5.0	262.3	Y400-6,400kW/6KV			
		141.9	84.3	63.2	2.4	185.8	Y400-6,280kW/6KV	700		
		214.3	45.4	76.3	3.4	125.0	Y355L2-8,200kW/380V	700	4000	
	740	178.6	47.6	73.7	2.9	113.0	Y355L1-8,185kW/380V			
007CP/P)		107.1	48.1	63.2	1.4	80.0	Y315M1-8,132kW/380V			200
00ZGB(P)		259.5	66.6	76.3	5.0	222.0	Y400-6,355kW/6KV		4000	250
	980	216.2	69.9	73.7	4.2	210.0	Y400-6,315kW/6KV			
		129.7	70.5	63.2	2.0	141.8	Y355L1-6,220kW/380V	640		
		195.9	38.0	76.3	2.9	95.6	Y355M2-8,160kW/380V	640		
740	740	740 134.9 39.9 73.7		73.7	2.4	71.6	Y315M3-8,110kW/380V			
		97.9	40.2	63.2	1.1	61.0	Y315M3-8,110kW/380V			
		400.0	84.0	78.2	7.3	421.2	Y450-6,630kW/6KV			
	980	333.3	88.0	77.0	5.7	373.4	Y450-6,560kW/6KV			
		200.0	90.1	64.1	3.3	275.6	Y450-6,450kW/6KV	740		
		302.0	47.9	78.2	4.2	181.4	Y400-8,280kW/6KV	740		
	740	251.7	50.2	77.0	3.3	160.9	Y400-8,250kW/6KV			
		151.0	51.4	64.1	1.9	118.7	Y355L1-8,185kW/380V			
		378.4	75.2	78.2	7.1	356.7	Y450-6,560kW/6KV			
	980	315.3	78.7	77.0	5.1	315.9	Y450-6,500kW/6KV			
		189.2	80.6	64.1	3.0	233.2	Y400-6,355kW/6KV	700	4500	250
50ZGB(P)		285.7	42.9	78.2	4.0	153.7	Y400-8,250kW/6KV	700	4500	300
	740	238.1	44.9	77.0	2.9	136.1	Y400-8,220kW/6KV			
		142.9	46.0	64.1	1.7	100.5	Y355M2-8,160kW/380V			
		348.6	63.8	78.2	5.5	278.8	Y450-6,450kW/6KV			
	980	290.5	66.9	77.0	4.3	247.4	Y400-6,400kW/6KV			
		131.6	68.5	64.1	2.5	137.9	Y355L1-6,220kW/380V			
		263.2	36.4	78.2	3.1	120.1	Y355L1-8,185kW/380V	22		
	740	219.4	38.1	77.0	2.5	106.4	Y355L1-8,185kW/380V	645		
		99.4	39.1	64.1	1.4	59.4	Y315M3-8,110kW/380V			

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清水性能(CLEAR WATER PERFORMANCE)

泵型号



图1 7GB系列渣浆泵 Series ZGB Slurry Pump

排出口直径

吸入口直径

PUMP

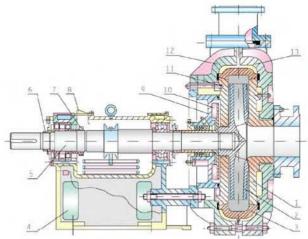
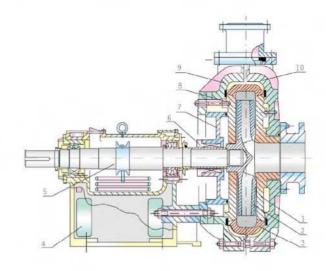


图2. ZGBP系列渣浆泵



Series ZGBP Slurry Pump



1. 前护板/Cover plate liner insert

11. 后护板/Frame plate liner insert

12. 泵体/Frame plate

13. 泵盖/Cover plate

- 2. 叶轮/Impeller
- 3. 护套/Volute liner
- 4. 托架体/Base
- 5. 轴/Shaft
- 6. 机械密封/Mechanical seal
- 7. 密封箱/Sealing box
- 8. 后护板/Frame plate liner insert
- 9. 泵体/Frame plate
- 10. 泵盖/Cover plate

流量 转 谏 Pump Power Motor Type Dia. Weight Discharge Speed Capacity Head Eff POWER/VOLT (mm) (Kg) Type Suction Pa 0 η (%) NPSH (r/min) (l/s) (m) (m) (Kw) (mm) 533.3 84.3 81.2 6.9 542.8 Y500-6.710kW/6KV 980 444.4 89.8 80.0 5.0 489.1 Y500-6.710kW/6KV 266.7 93.4 68.3 3.5 357.6 Y450-6.560kW/6KV 760 81.2 402.7 48.1 3.9 233.9 Y450-8.400kW/6KV 740 335.6 51.2 80.0 2.9 210.6 Y450-8.315kW/6KV 201.3 53.3 68.3 2.0 154.0 Y400-8.250kW/6KV 5.9 429.4 Y450-6.630kW/6KV 493.3 72.1 81.2 Y450-6.630kW/6KV 980 411.1 76.8 80.0 4.3 386.9 Y450-6.450kW/6KV 246.7 79.9 68.3 3.0 282.9 300 300ZGB 703 5500 350 372.5 41.1 81.2 3.4 184.8 Y450-8.315kW/6KV 310.4 43.8 80.0 2.5 166.6 Y400-8,280kW/6KV 740 116.4 177.9 45.6 68.3 1.7 Y355L1-8.185kW/380V 81.2 453.3 60.9 5.0 333.3 Y450-6.560kW/6KV 980 377.8 64.9 80.0 3.6 300.5 Y450-6,500kW/6KV 67.5 68.3 2.5 Y400-6.355kW/6KV 226.7 219.7 646 342.3 34.7 81.2 2.9 143.4 Y400-8,250kE/6KV 740 285.3 37.0 80.0 2.1 129.4 Y355L2-8,200kE/6KV 171.2 38.5 68.3 1.4 94.6 Y355M2-8.160kE/6KV

轴th家

Shaft

配套电机型号

功率/由压

叶轮直径

IMPELLER

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ZJ系列渣浆泵

ZJ Slurry Pump

产品特点

◆结构型式:按结构分为单壳泵和双壳泵两类。其中单壳泵包括ZJD、ZJL、ZJG等形式;双壳泵包括 ZJ、ZJJ、ZJG等形式。按出口直径分为400mm、350mm、300mm、250mm、200mm、150mm、100mm、 80mm、65mm、50mm、40mm等多种规格。

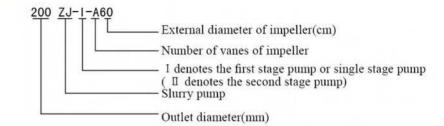
Product Features

Mode of construction: According to mode of construction, the pumps are classified into single-case and Double-case pumps. Double-case pumps consist of ZJ, ZJJ and ZJG pump. The outlet diameters of pumps vary from 400mm to 350mm, 300mm, 250mm, 200mm, 150mm, 100mm, 80mm, 65mm, 50mm, 40mm, etc.

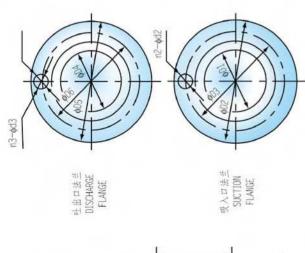
型号意义

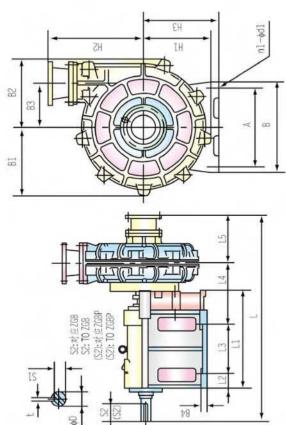


Type Notation



代 号 (Symbol)	A	В	C	D	Е	F	G	***
叶片数目(Number of vanes)	5	4	3	2	1	6	7	



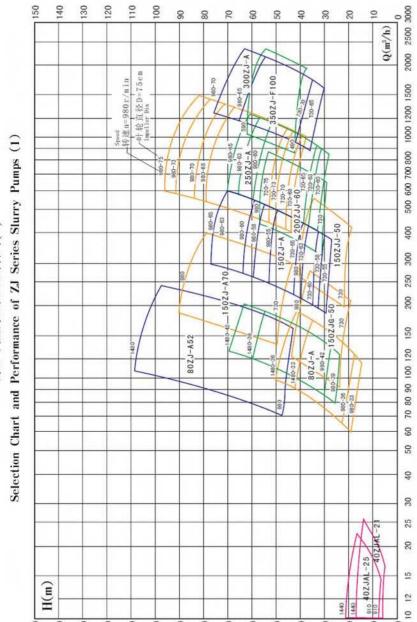


SS	150	203	203	200	200	200	200
S1	58 02	71 02	71 02	109 02	109 02	109 02	109 02
n3-6d3	8-¢22	8-622	8-426	12-¢22	12-¢26	16-630	16-433
n2-¢d2	8-622	8-422	12-¢22	12-¢26	12-¢26	16-433	20-¢33
11-¢d1	4-422	4-¢29	4-429	_	-	4-440	
15	330	296	405	388	579	200	610
77	400.5	-	467	-	628		899
[3	340	440	440	460	290	929	929
7	45	72	72	118	118	128	128
5	580	725	725	1013 118 460	1013	826	826
٦	1379.5	1598	1718	2006	2213	2160	2282
13	415	520	520	650	920	650	650
H	475	260	269	820	880	974	883
Ξ	360.5		394	655	969	680.3	929
De	149	168.5	216	270	330	387.5	451
DS	190	210	275	320	380	445	520
D4	99		100		200		
D3	168.5	200	270	330	370	450	514.5
D2	210	255	320	380	425	515	585
10	80	100	152	200	250	300	350
O	65 +0.03	80 +0.03	80 +0.03	120 +0.03	120 +0.03	120 +0.03	120 +003
84	45	20	90	09	09	09	99
B3	220		290	453	460	460	472
B2	377	445	467	684	735	710	99/
B	352.5	360	395	619	675	645	649
8	492	636	989	840	840	950	950
A	432	260	260	260	260	780	780
Daimm R寸	65ZGB	80ZGB(P)	100ZGB(P)	150ZGB(P)	200ZGB(P)	250ZGB(P)	300ZGB

10 100 90 80

系列渣浆泵型谱图(1)

140 30 120 110 8 90 80 70 09



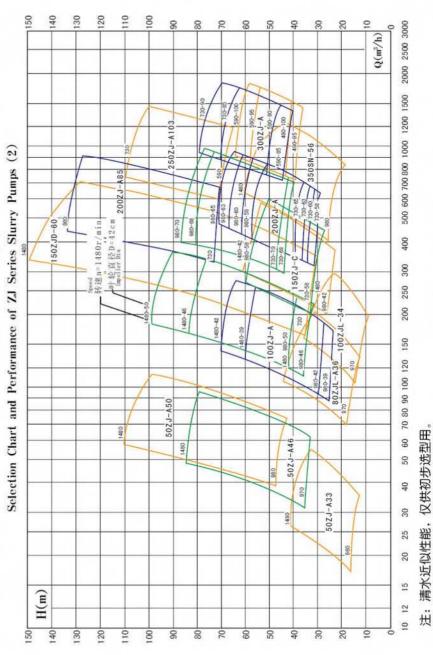
70 60 50 40

30

40

selection only. be used for primary 10 clear water Note: Approximate performance for 仅供初步选型用。 注:清水近似性能,

系列渣浆泵型谱图(2)



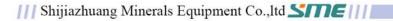
Note: Approximate performance for clear water to be used for primary selection only.

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ZJ 系列渣浆泵主要技术参数(1)
Performance and Main Specification of ZJ Slurry Pumps (1)

	允许配带最大	清	水性能 Cle	ear water	performan	ice	间断通过	(* courter)
型号 Type	功率 Allowable max. power of ass. motor(kW)	流量Q Capacity (m²/h)	扬程H Head (m)	转速n Speed (r/min)	最高效率 n Max.eff. (%)	汽蚀余量 (NPSH)r (m)	最大粒度 Particle max. size handled occasionally (mm)	泵重 Pump weight (kg)
350ZJ-I-F100	560	526-2339	14.9-62.8	300-590	77.6	4.4	96	5465
300ZJ-I-A100	450	464-1826	15.3-65.2	300-590	81.1	3.0	88	5265
300ZJ-I-A95	400	441-1735	13.8-58.8	300-590	78.1	3.0	88	5220
300ZJ-I-A90	560	505-1844	21.2-79.9	400-730	82.8	3.9	85	5005
300ZJ-I-A85	450	477-1742	18.9-71.3	400-730	79.8	3.8	85	4965
300ZJ-I-A70	630	635-2333	16.0-76.8	490-980	80.4	3.9	92	3560
300ZJ-I-A65	500	589-2166	13.8-66.2	490-980	77,4	3.7	92	3531
300ZJ-I-A56	250	395-1568	9.7-46.0	490-980	80.9	3.5	96	3030
250ZJ-I-A103	560	402-1573	29.7-110.5	400-730	74.5	2.8	69	5085
250ZJ-I-A96	560	403-1466	25.4-93.7	400-730	77.8	3.5	69	5035
250ZJ-I-A90	450	378-1374	22.3-82.4	400-730	73.8	3.4	69	4980
250ZJ-I-A85	800	376-1504	30.1-128.7	490-980	76.5	3.5	76	4530
250ZJ-I-A83	800	367-1469	28.7-122.7	490-980	75.5	3.5	76	4514
250ZJ-I-A80	710	354-1416	26.7-114.0	490-980	73.5	3.4	76	4490
250ZJ-I-A78	630	345-1380	25.4-108.4	490-980	71.5	3.2	76	4474
250ZJ-I-A75	560	300-1480	20.8-97.5	490-980	77.5	3.0	72	3480
250ZJ-I-A73	500	292-1441	19.7-92.4	490-980	76.5	3.0	72	3466
250ZJ-I-A70	450	280-1381	18.1-84.9	490-980	74.5	2.9	72	3446
250ZJ-I-A68	450	272-1342	17.1-80.1	490-980	73.5	2.7	72	3432
250ZJ-I-A65	315	299-1249	15.4-71.0	490-980	76.9	3.0	72	3020
250ZJ-I-A63	315	290-1211	14.4-66.7	490-980	75.9	3.0	72	3008
250ZJ-I-A60	280	276-1153	13.1-60.5	490-980	73.9	2.8	72	2991

	Speed
	- 特別の 1 日本 1 日
	55-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-
	08-000
	8-00-15 4-1-008
1480	960 2002J-A
	06-06-1
1460	SN150-100-480 1502y-71 720-85 250Zy-A
5	
100ZJG_842	7300 730-73
402.0-419	1502J-A57
10023	1
	730-50 15023-A 780 730-60 730-845
880-33	150
50ZJL-20	Q(m³/h)



ZJ 系列渣浆泵主要技术参数(2)

Performance and Main Specification of ZJ Slurry Pumps (2)

	允许配带最大	清	水性能 Cl	ear water	performan	ıce	间断通过	
型号 Type	功率 Allowable max. power of ass. motor(kW)	流量Q Capacity (m³/h)	扬程H Head (m)	转速n Speed (r/min)	最高效率 n Max.eff. (%)	汽蚀余量 (NPSH)r (m)	最大粒度 Particle max. size handled occasionally (mm)	泵重 Pump weight (kg)
200ZJ-I-A85	560	221-907	32.0-133.7	490-980	70.5	2.8	54	4110
200ZJ-I-A75	355	225-900	22.8-102.9	490-980	74.1	3.0	56	3070
200ZJ-I-A73	355	219-876	21.6-97.5	490-980	73.1	3.0	56	3056
200ZJ-I-A70	315	205-976	19.4-86.4	490-980	75.6	2.8	56	2465
200ZJ-I-A68	315	199-948	18.3-81.5	490-980	74.6	2.8	56	2453
200ZJ-I-A65	250	235-950	16.4-72.0	490-980	79.6	2.5	62	2323
200ZJ-I-A63	250	228-921	15.4-67.6	490-980	78.6	2.5	62	2311
200ZJ-I-A60	185	218-870	13.9-62.0	490-980	83.5	2.5	62	2223
200ZJ-I-A58	185	211-841	13.0-57.9	490-980	82.5	2.5	62	2214
150ZJ-I-A71	220	142-552	21.8-93.8	490-980	69.8	2.4	48	2263
150ZJ-I-A70	185	93-401	20.0-91.2	490-980	62.3	2.0	37	2245
150ZJ-I-A65	200	150-600	17.4-75.7	490-980	70.8	2.5	48	2223
150ZJ-I-A63	185	146-582	16.3-71.1	490-980	69.8	2.5	48	2211
150ZJ-I-A60	160	135-550	14.7-63.5	490-980	75.9	2.5	48	2203
150ZJ-I-A58	132	131-532	13.7-59.3	490-980	74.9	2.5	48	2033
150ZJ-I-C58	160	134-596	12.8-61.0	490-980	69.1	2.0	75	2063
150ZJ-I-A57	110	95-427	13.2-56.3	490-980	67.8	1.8	32	2023
150ZJ-I-A55	110	124-504	12.3-53.4	490-980	72.9	2.3	48	2019
150ZJ-I-A50	75	115-460	9.5-43.1	490-980	76.8	2.5	48	1735(1648)
150ZJ-I-A48	75	111-442	8.7-39.7	490-980	75.8	2.5	48	1728(1641)
150ZJ-I-C42	132	142-550	12.1-62.8	700-1480	77.1	2.2	69	1605(1518)
100ZJ-I-A50	160	85-360	20.5-100.2	700-1480	69.6	2.5	34	1475(1388)

ZJ 系列渣浆泵主要技术参数(3)

Performance and Main Specification of ZJ Slurry Pumps (3)

	允许配带最大	清	水性能 CI	ear water	performan	ıce	间断通过	
型号 Type	功率 Allowable max. power of ass. motor(kW)	流量Q Capacity (m³/h)	扬程H Head (m)	转速n Speed (r/min)	最高效率 n Max.eff. (%)	汽蚀余量 (NPSH)r (m)	最大粒度 Particle max. size handled occasionally (mm)	泵重 Pump weight (kg)
100ZJ-I-A46	132	79-331	17.3-84.8	700-1480	67.6	2.3	34	1461(1374)
100ZJ-I-A42	90	66-275	14.7-70.8	700-1480	71.0	2.5	35	1075(1021)
100ZJ-I-B42	90	83-365	12.7-66.8	700-1480	71.6	2.5	40	1085(1031)
100ZJ-I-A39	75	61-255	12.6-61.0	700-1480	69.0	2.4	35	1064(1010)
100ZJ-I-A36	55	61-245	9.7-49.5	700-1480	71.6	2.0	32	1010(956)
100ZJ-I-A33	45	56-225	8.2-41.6	700-1480	69.6	1.8	32	1003(949)
80ZJ-I-A52	160	51-242	22.1-109.8	700-1480	56.3	2.1	21	1465(1378)
80ZJ-I-A42	75	61-204	14.4-70.4	700-1480	66.7	2.5	24	1053(963)
80ZJ-I-A39	55	57-189	12.4-60.7	700-1480	64.7	2.4	24	1042(952)
80ZJ-I-A36	45	46-190	9.6-51.4	700-1480	67.7	2.5	24	980(926)
80ZJ-I-A33	37	43-174	8.0-43.2	700-1480	65.7	2.3	24	973(919)
65ZJ-I-A30	15	23-79	7.4-34.8	700-1460	63.5	2.0	19	504(512)
65ZJ-I-A27	11	20-71	6.0-28.8	700-1460	61.5	1.8	19	500(508)
50ZJ-I-A50	90	27-111	22.3-110.7	700-1480	45.1	3.0	13	1378
50ZJ-I-A46	55	23-94	17.9-85.8	700-1480	44.7	1.4	14	1082(992)
50ZJ-I-A33	18.5	12-54	7.7-42.5	700-1480	42.1	2.9	13	537(545)
40ZJ-I-A19	15	8-35	12.8-57.1	1430-2930	58.8	1.3	11	173
40ZJ-I-A17	7.5	4-23	9.0-44.6	1400-2900	52.4	2.5	11	121(127)
150ZJL-I-A35	37	99-364	3.0-17.9	490-980	69.0	/	15	800
100ZJL-I-A34	45	74-293	5.5-36.8	700-1480	65.8	/	14	630
80ZJL-I-A36	45	50-201	7.3-45.5	700-1480	58.2	/	12	650

• 52 •



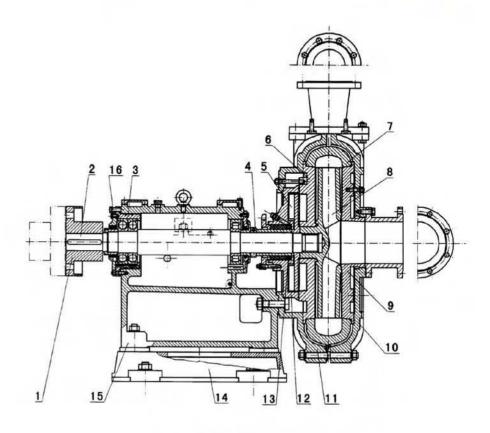
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ZJ 系列渣浆泵主要技术参数(4)

Performance and Main Specification of ZJ Slurry Pumps (4)

	允许配带最大	清	水性能 Cl	ear water	performan	nce	间断通过	
型号 Type	功率 Allowable max. power of ass. motor(kW)	流量Q Capacity (m³/h)	扬程H Head (m)	转速n Speed (r/min)	最高效率 n Max.eff. (%)	汽蚀余量 (NPSH)r (m)	最大粒度 Particle max, size handled occasionally (mm)	泵重 Pump weight (kg)
65ZJL-A30	18.5	18-98	5.9-34.7	700-1470	53.7	7	8	440
50ZJL-A20	4	8-38	1.4-10.7	700-1440	38.6	/	10	240
40ZJL-B25	4	4.9-22.9	4.0-21.5	700-1440	37.6	1	8	225
40ZJL-A21	4	4.6-25.9	3.3-17.0	700-1440	44.6	1	10	210
200ZJD-B45	90	150-600	7.8-30.6	490-980	80.0	2.0	51	1750
150ZJD-A60	450	156-704	28.9-150	700-1480	70.7	2.1	39	1657
200ZJJ-I-A60	200	218-870	13.5-57.3	490-980	77.3	2.7	62	1820
150ZJJ-I-A50	90	133-567	8.9-41.1	490-980	79.5	1.8	46	1477(1390)
150ZJG-I-A50	55	62-280	9.3-44.6	490-980	65.7	2.1	29	1470
100ZJG-I-B42	75	45-205	12.6-70.7	700-1480	63.2	1.8	18	1080(990)
150CH-F50	250	156-719	18.5-96.2	700-1480	76.0	2.5	1	1150
350XH-78	450	720-2826	11.6-49.8	400-730	78.0	3.5	/	3700
KH-14H	132	615-2178	4.1-21.6	300-590	80.0	2.5	1	2466
350SN-56	220	283-1257	10.1-61.8	700-1480	84.5	3.3	1	3290
ISN150-100-480	110	76-235	18.0-90.2	700-1480	72.2	1.4	1	1477(1390)

- 注: 1. (NPSH) r系指本样本中第二档转速时规定 Note:1.(NPSH)r refers to the value at the specified 点之值。
 - 2. 正常通过粒度为允许间断通过的最大粒度的 56% .
 - 3. 泵重量栏中,有两数值的为共同底座的泵。其 中括号外数据为高转速参数下泵的重量, 括号 内数据为低转数参数下泵的重量。
- point at the second speed in the sample book.
 - 2. The normal size of particle handled is 56% of the max. size that can be handled occasionally.
 - 3. There are two weight data on common bases. They are the weight data of the high speed pumps without brackets, the slow speed pumps in brackets.



ZJ 型渣浆泵结构图

Structural Drawing of ZJ Slurry Pumps

1.联轴器 Coupling

2.轴 Shaft

3.轴承箱 Bearing housing

4.拆卸环 Disassembly ring

5.副叶轮 Expeller

6.后护板 Back liner

7.蜗 壳 Volute Liner

8.叶轮 Impeller

9.前护板 Front liner plate

10.前泵壳 Front casing

11.后泵壳 Rear casing

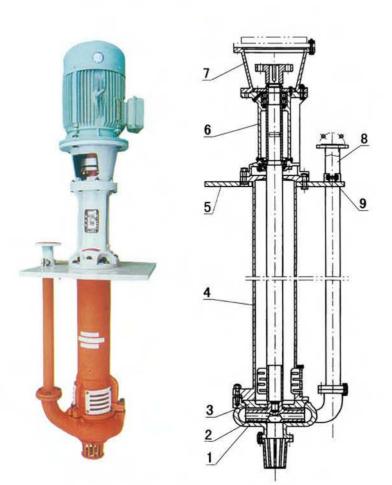
12.填料箱 Stuffing box

13.水封环 Lantern Ring

14.底座 Base

15.托架 Support

16.调节螺钉 Adjusting bolts



ZJL 型渣浆泵结构图 Structural Drawing of ZJL Slurry Pumps

1.蜗 壳 Volute Casing 2.叶 轮 Impeller 3.后护板 Back liner

4.支 架 Support

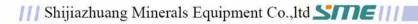
5.左支承板 Left supporting plate 6.轴 承 体 Bearing body 7.电机支座 Motor supporting 8.出 水 管 Discharge Pipe 9.右支承板 Right supporting plate

ZJ 型渣浆泵直联传动清水性能(1)

The Clear Water Performance of ZJ Slurry Pumps (Directly-Coupled Type)(1)

型号	转速	流量	扬程	轴功率 Power of	效率	必需汽蚀	1,111	新电机 lotors
Туре	Speed	Capacity Q	Head H	shaft Pa	Eff.	余量 (NPSH)r	型号 Type	功率/电压 Power/Voltag
	r/min	m3/h	m	kw	%	m		kw/V
		1035	62.8	293.1	60.4		Y450-10	355/6000
	590	1988	59.4	417.6	77.0	5.8	Y500-10	500/6000
350ZJ-I-F100		2339	55.0	455.6	76.9		Y500-10	560/6000
350ZJ-1-F100		860	43.3	167.9	60.4		Y450-12	220/6000
	490	1651	41.0	239.4	77.0	4.4	Y500-12	315/6000
		1943	37.9	260.8	76.9		Y500-12	315/6000
		913	65.2	243.0	66.7		Y450-10	315/6000
	590	1785	59.7	361.0	80.4	4.1	Y500-10	450/6000
200711 4100		1826	59.3	365.4	80.7	10.00	Y500-10	450/6000
300ZJ-I-A100		758	45.0	139.3	66.7		Y450-12	185/6000
	490	1482	41.2	206.8	80.4	3.0	Y450-12	250/6000
		1517	40.9	209.4	80.7	4,1,10	Y450-12	250/6000
	590	867	58.8	217.9	63.7	4.1	Y450-10	280/6000
		1696	53.9	321.6	77.4		Y500-10	400/6000
2007777 4 05		1735	53.5	325.3	77.7		Y500-10	400/6000
300ZJ-I-A95		720	40.6	125.0	63.7		Y450-12	185/6000
	490	1408	37.2	184.3	77.4	3.0	Y450-12	220/6000
	1	1441	36.9	186.4	77.7	5.60	Y450-12	220/6000
		922	79.9	290.3	69.1		Y450-8	355/6000
	730	1648	73.6	410.3	80.5	5.7	Y500-8	500/6000
300ZJ-I-A90		1844	70.7	436.2	81.4		Y500-8	560/6000
300ZJ-1-A90		745	52.2	153.3	69.1		Y450-10	185/6000
	590	1332	48.1	216.7	80.5	3.9	Y450-10	280/6000
		1490	46,2	230.3	81.4		Y450-10	280/6000
		871	71.3	255.9	66.1		Y450-8	315/6000
	730	1556	65.6	358.7	77.5	5.6	Y450-8	450/6000
300ZJ-I-A85		1742	63.1	381.8	78.4		Y450-8	450/6000
200ZJ-1-A32		704	46.6	135.2	66.1		Y355L2-10	160/380
	590	1258	42.9	189.6	77.5	3.8	Y450-10	220/6000
		1408	41.2	201.5	78.4		Y450-10	250/6000

注: 表中效率为采用填料轴封之值。



ZJ 型渣浆泵直联传动清水性能(2)

The Clear Water Performance of ZJ Slurry Pumps (Directly-Coupled Type)(2)

型号	转速	流量	扬程	轴功率 Power of	效率 Eff.	必需汽蚀		E 电机 otors
Туре	Speed n	Capacity	Head H	shaft Pa	n n	余量 (NPSH)r	型号 Type	功率/电压 Power/Voltag
	r/min	m3/h	m	kw	%	m		kw/V
		1269	76.8	368.6	72.0		Y450-6	450/6000
	980	2118	66.7	480.9	80.0	7.0	Y450-6	630/6000
300ZJ-I-A70		2333	64.0	505.8	80.4		Y450-6	630/6000
50025 11170		945	42.6	152.3	72.0		Y355L1-8	185/380
	730	1578	37.0	198.8	80.0	3.9	Y400-8	250/6000
		1738	35.5	209.0	80.4		Y400-8	250/6000
		1178	66.2	307.8	69.0		Y450-6	400/6000
	980	1967	57.5	400.0	77.0	6.6	Y450-6	500/6000
200777 7 4 65		2166	55.2	420.7	77.4		Y450-6	500/6000
300ZJ-I-A65		877	36.7	127.0	69.0		Y355M2-8	160/380
	730	1465	31.9	165.3	77.0	3.7	Y355L2-8	200/380
		1614	30.6	173.8	77.4		Y400-8	220/6000
	980	789	46.0	148.6	66.5	5.5	Y355M2-6	185/380
		1415	40.8	195.6	80.4		Y355L2-6	250/380
101200 100		1568	38.8	204.8	80.9		Y355L2-6	250/380
300ZJ-I-A56		588	588 25.5	61.4	66.5		Y315M-8	75/380
	730	1054	22.6	80.7	80.4	3.5	Y315L2-8	110/380
		1168	21.5	84.5	80.9		Y315L2-8	110/380
		734	110.5	366.3	60.3		Y450-8	450/6000
	730	1067	106.7	445.5	69.6	4.3	Y500-8	560/6000
		1573	98.9	568.7	74.5		Y500-8	710/6000
250ZJ-I-A103		593	72.2	193.4	60.3		Y450-10	250/6000
	590	862	69.7	235.1	69.6	2.8	Y450-10	280/6000
	566	1271	64.6	300.1	74.5	1000	Y450-10	255/6000
		736	93.7	290,7	64.6		Y450-8	355/6000
	730	1076	90.0	356.4	74.0	5.5	Y450-8	450/6000
	118.8	1466	84.5	433.6	77.8	-5.5	Y500-8	560/6000
250ZJ-I-A96		595	61.2	153.5	64,6		Y450-10	185/6000
	590	870	58.8	188.3	74.0	3.5	Y450-10 Y450-10	250/6000
	770	1185	55.2	229.0	77.8	5.5	Y450-10	280/6000

注: 表中效率为采用填料轴封之值。

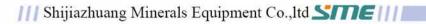
Note: The efficiency refers to the value when packing seal is used.

ZJ 型渣浆泵直联传动清水性能(3)

The Clear Water Performance of ZJ Slurry Pumps (Directly-Coupled Type)(3)

型号	转速	流量	扬程	轴功率 Power of	效率	必需汽蚀		₹电机 otors
Туре	Speed	Capacity Q	Head H	shaft Pa	Eff.	余量 (NPSH)r	型号 Type	功率/电压 Power/Voltage
	r/min	m3/h	m	kw	%	m		kw/V
	730	690 1009 1374	82.4 79.1 74.3	255.5 310.5 376.7	60.6 70.0 73.8	5.3	Y450-8 Y450-8 Y450-8	315/6000 400/6000 450/6000
250ZJ-I-A90	590	558 816 1111	53.8 51.7 48.5	134.9 164.1 198.8	60.6 70.0 73.8	3.4	Y355L2-10 Y450-10 Y450-10	160/380 200/6000 250/6000
	980	752 1248 1504	128.7 124.4 120.4	446,0 587.2 652.3	59.1 72.0 75.6	5.5	Y450-6 Y500-6 Y500-6	560/6000 710/6000 800/6000
250ZJ-I-A85	730	560 930 1120	71.4 69.0 66.8	184.2 242.7 269.5	59.1 72.0 75.6	3.5	Y400-8 Y450-8 Y450-8	220/6000 315/6000 315/6000
	980	734 1219 1469	122.7 118.6 114.8	422.1 554.5 615.5	58.1 71.0 74.6	5.5	Y450-6 Y500-6 Y500-6	500/6000 710/6000 800/6000
250ZJ-I-A83	730	547 908 1094	68.1 65.8 63.7	174.6 229.2 254.4	58.1 71.0 74.6	3.5	Y400-8 Y400-8 Y450-8	220/6000 280/6000 315/6000
250711 400	980	708 1175 1416	114.0 110.2 106.7	391.8 511.1 566.7	56.1 69.0 72.6	5.4	Y450-6 Y450-6 Y500-6	500/6000 630/6000 710/6000
250ZJ-I-A80	730	527 875 1054	63.2 61.1 59.2	161.7 211.0 234.1	56.1 69.0 72.6	3.4	Y400-8 Y400-8 Y400-8	200/6000 280/6000 280/6000
250711 470	980	830 1430 1796	102.5 92.1 84.2	374.9 500.9 559.5	61.8 71.6 73.6	6.3	Y450-6 Y450-6 Y450-6	450/6000 560/6000 630/6000
250ZJ-I-A78	730	618 1065 1338	56.9 51.1 46.7	155.0 207.0 231.2	61.8 71.6 73.6	3.2	Y355L1-8 Y400-8 Y400-8	185/380 250/6000 280/6000

注: 表中效率为采用填料轴封之值。



ZJ 型渣浆泵直联传动清水性能(4)

The Clear Water Performance of ZJ Slurry Pumps (Directly-Coupled Type)(4)

型号	转速	流量 Capacity	扬程	轴功率 Power of	效率	必需汽蚀		t 电 机 otors
Туре	Speed n	Q	Head H	shaft Pa	Eff.	余量 (NPSH)r	型号 Type	功率/电压 Power/Voltage
	r/min	m3/h	m	kw	%	m		kw/V
250211.455	980	600 1100 1480	97.5 92.0 83.2	255.7 362.6 443.6	62.3 76.0 75.6	4.1	Y400-6 Y450-6 Y450-6	315/6000 450/6000 560/6000
250ZJ-I-A75	730	447 819 1102	54.1 51.0 46.2	105.7 149.7 183.4	62.3 76.0 75.6	3.0	Y355M1-8 Y355L1-8 Y400-8	132/380 185/380 220/6000
	980	584 1071 1441	92.4 87.2 78.8	239.7 339.1 414.5	61.3 75.0 74.6	4.1	Y400-6 Y400-6 Y450-6	280/6000 400/6000 500/6000
250ZJ-I-A73	730	435 797 1073	51.3 48.3 43.8	99.1 139.8 171.6	61.3 75.0 74.6	3.0	Y355M1-8 Y355L1-8 Y355L2-8	132/380 185/380 200/380
250711.470	980	560 1027 1381	84.9 80.1 72.5	218.3 306.9 375.6	59.3 73.0 72.6	3.9	Y400-6 Y400-6 Y450-6	280/6000 400/6000 450/6000
250ZJ-I-A70	730	417 764 1029	47.1 44.4 40.2	90.2 126.5 155.2	58.3 72.0 72.6	2.9	Y315L2-8 Y355M2-8 Y355L1-8	110/380 160/380 185/380
250ZJ-I-A68	980	544 997 1342	80.1 75.6 68.4	203.5 285.1 349.1	58.3 72.0 71.6	3.7	Y355-6 Y400-6 Y450-6	250/6000 355/6000 450/6000
23023-1-400	730	405 743 999	44.5 41.9 38.0	84.2 117.8 144.4	58.3 72.0 71.6	2.7	Y315L2-8 Y355M2-8 Y355L1-8	110/380 160/380 185/380
250ZJ-I-A65	980	597 970 1249	71.0 66.2 61.4	178.1 233.2 271.6	64.8 75.0 76.9	4.5	Y355-6 Y400-6 Y400-6	220/6000 280/6000 315/6000
23023-1-A03	730	445 723 930	39.4 36.7 34.1	73.7 96.3 112.3	64.8 75.0 76.9	3.0	Y315L1-8 Y355M1-8 Y355M1-8	90/380 132/380 132/380

注: 表中效率为采用填料轴封之值。

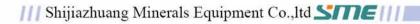
Note: The efficiency refers to the value when packing seal is used.

ZJ 型渣浆泵直联传动清水性能(5)

The Clear Water Performance of ZJ Slurry Pumps (Directly-Coupled Type)(5)

型号 Type	转速	流量	扬程	轴功率 Power of	效率	必需汽蚀		美电机 otors
	Speed n	Capacity Q	Head H	shaft Pa	Eff.	余量 (NPSH)r	型号 Type	功率/电压 Power/Voltage
	r/min	m3/h	m	kw	%	m		kw/V
250711.460	980	570 940 1211	66.7 62.2 57.7	164.8 215.2 250.7	63.8 74.0 75.9	4.5	Y355-6 Y355-6 Y400-6	200/6000 250/6000 315/6000
250ZJ-I-A63	730	431 701 901	37.0 34.5 32.0	68.1 89.0 103.4	63.8 74.0 75.9	3.0	Y315L1-8 Y315L2-8 Y355M1-8	90/380 110/380 132/380
200777 4 400	980	551 895 1153	60.5 56.4 52.3	146.9 190.9 222.2	61.8 72.0 73.9	4.2	Y355M2-6 Y355L2-6 Y400-6	185/380 250/380 280/6000
250ZJ-I-A60	730	411 667 858	33.6 31.3 29.1	60.7 79.0 92.0	61.8 72.0 73.9	2.8	Y315M-8 Y315L2-8 Y315L2-8	75/380 110/380 110/380
250711.405	980	441 858 907	133.7 128.2 127.9	321.1 437.9 448.1	50.0 68.4 70.5	5.0	Y400-6 Y450-6 Y450-6	400/6000 560/6000 560/6000
250ZJ-I-A85	730	329 639 676	74.2 71.1 71.0	133.0 180.9 185.4	50.0 68.4 70.5	2.8	Y355M2-8 Y400-8 Y400-8	160/380 220/6000 220/6000
25071.1.475	980	450 750 900	102.9 95.7 91.0	205.4 271.5 306.4	61.4 72.0 72.8	4.5	Y355-6 Y400-6 Y400-6	250/6000 355/6000 355/6000
250ZJ-I-A75	730	335 559 670	57.1 53.1 50.5	84.8 112.3 126.6	61.4 72.0 72.8	3.0	Y315L2-8 Y355M1-8 Y355M2-8	110/380 132/380 160/380
	980	438 730 876	97.5 90.7 86.2	192.5 254.0 286.4	60.4 71.0 71.8	4.5	Y355-6 Y400-6 Y400-6	250/6000 315/6000 355/6000
250ZJ-I-A73	730	326 544 652	54.1 50.3 47.8	79.5 105.0 118.2	60.4 71.0 71.8	3.0	Y315L2-8 Y355M1-8 Y355M2-8	110/380 132/380 160/380

注: 表中效率为采用填料轴封之值。



ZJ 型渣浆泵直联传动清水性能(6)

The Clear Water Performance of ZJ Slurry Pumps (Directly-Coupled Type)(6)

型号	转速	流量	扬程 Head	轴功率 Power of	效率	必需汽蚀		医电机 lotors
Type	Speed n	Capacity Q	Head H	shaft Pa	Eff.	余量 (NPSH)r	型号 Type	功率/电压 Power/Voltage
	r/min	m3/h	m	kw	%	m		kw/V
	980	409 738 976	804 82.3 77.6	172.5 230.7 272.8	55.8 71.7 75.6	3.8	Y355M3-6 Y400-6 Y400-6	200/380 280/6000 315/6000
200ZJ-I-A70	730	305 550 727	47.9 45.7 43.1	71.3 95.5 112.9	55.8 71.7 75.6	2.8	Y315L1-8 355M1-8 Y355M1-8	90/380 132/380 132/380
	980	397 717 948	81.5 77.7 73.2	160.8 214.6 253.3	54.8 70.7 74.6	3.8	Y355M3-6 Y355-6 Y400-6	200/380 250/6000 315/6000
200ZJ-I-A68	730	296 534 706	45.2 43.1 40.7	66.5 88.7 104.9	54.8 70.7 74.6	2.8	Y315L1-8 Y315L2-8 Y355M1-8	90/380 110/380 132/380
	980	470 820 950	72.0 68.1 65.6	145.8 197.5 213.2	63.2 77.0 79.6	4.3	Y355M2-6 Y355-6 Y355-6	185/380 250/6000 250/6000
200ZJ-I-A65	730	350 611 708	40.0 37.8 36.4	60.3 81.7 88.2	63.2 77.0 79.6	2.5	Y315M-8 Y315L2-8 Y315L2-8	75/380 110/380 110/380
200ZJ-I-A63	980	456 795 921	67.6 64.0 61.6	135.0 182.3 196.6	62.2 76.0 78.6	4.3	Y355M1-6 Y355-6 Y355-6	160/380 220/6000 250/6000
200ZJ-1-A63	730	339 592 686	37.5 35.5 34.2	55.7 75.3 81.3	62.2 76.0 78.6	2.5	Y315M-8 Y315L2-8 Y315L2-8	75/380 110/380 110/380
200711 460	980	435 740 870	62.0 58.0 55.5	114.0 146.1 159.0	64.4 80.0 82.7	4.0	Y315L2-6 Y355M2-6 Y355M2-6	132/380 185/380 185/380
200ZJ-I-A60	730	324 551 648	34.4 32.2 30.8	47.1 60.4 65.7	64.4 80.0 82.7	2.5	Y315M-8 Y315L1-8 Y315L1-8	75/380 90/380 90/380

注: 表中效率为采用填料轴封之值。

Note: The efficiency refers to the value when packing seal is used.

ZJ 型渣浆泵直联传动清水性能(7)

The Clear Water Performance of ZJ Slurry Pumps (Directly-Coupled Type)(7)

型号 Type	转速	流量	扬程	轴功率 Power of shaft Pa	效率	必需汽蚀		E电机 otors
	Speed n	Capacity Q	Head H		Eff.	余量 (NPSH)r	型号 Type	功率/电压 Power/Voltage
	r/min	m3/h	m	kw	%	m		kw/V
300ZJ-I-A58	980	421 715 841	57.9 54.2 51.9	104.7 133.6 145.5	63.4 79.0 81.7	4.0	Y315L2-6 Y355M1-6 Y355M2-6	132/380 160/380 185/380
300ZJ-1-A38	730	313 533 626	32.1 30.1 28.8	43.2 55.3 60.1	63.4 79.0 81.7	2.5	Y315S-8 Y315M-8 Y315M-8	55/380 75/380 75/380
	980	284 486 552	93.8 89.3 87.1	133.9 174.3 188.4	54.2 67.8 69.5	4.0	Y355M1-6 Y355L1-6 Y355L1-6	160/380 220/380 220/380
150ZJ-I-A71	730	212 362 411	52.0 49.6 48.3	55.4 72.1 77.8	54.2 67.8 69.5	2.4	Y315M1-8 Y315M2-8 Y315M2-8	75/380 90/380 90/380
10071110	980	186 285 401	91.2 87.1 79.8	95.4 115.8 139.9	48.4 58.4 62.3	3.0	Y315L2-6 Y355M1-6 Y355M2-6	132/380 160/380 185/380
150ZJ-I-A70	730	139 212 299	50.6 48.3 44.3	39.6 47.7 57.9	48.4 58.4 62.3	2.0	Y315S-8 Y315M-8 Y315M-8	55/380 75/380 75/380
150ZJ-I-A65	980	300 500 600	75.7 73.0 69.4	112.0 144.1 161.5	55.2 69.0 70.2	4.0	Y315L2-6 Y355M2-6 Y355M3-6	132/380 185/380 200/380
13023-1-403	730	223 372 447	42.0 40.5 38.5	46.2 59.5 66.8	55.2 69.0 70.2	2.5	Y315M-8 Y315M-8 Y315L1-8	75/380 75/380 90/380
150711 450	980	291 485 582	71.1 68.6 65.2	104.0 133.2 149.3	54.2 68.0 69.2	4.0	Y315L2-6 Y355M1-6 Y355M2-6	132/380 160/380 185/380
150ZJ-I-A63	730	216 361 433	39.5 38.0 36.2	42.9 54.9 61.7	54.2 68.0 69.2	2.5	Y315S-8 Y315M-8 Y315M-8	55/380 55/380 75/380

注: 表中效率为采用填料轴封之值。

ZJ 型渣浆泵直联传动清水性能(8)

The Clear Water Performance of ZJ Slurry Pumps (Directly-Coupled Type)(8)

型号	转速	流量	扬程	轴功率 Power of	效率	必需汽蚀	A CONTRACTOR OF THE CONTRACTOR	E 电 机 lotors
Туре	Speed	Capacity Q	Head H	shaft Pa	Eff.	余量 (NPSH)r	型号 Type	功率/电压 Power/Voltage
	r/min	m3/h	m	kw	%	m		kw/V
	980	270 470 550	63.5 60.5 58.7	80.2 107.6 117.9	58.2 72.0 74.6	3.8	Y315L1-6 Y315L2-6 Y355M1-6	110/380 132/380 160/80
150ZJ-I-A60	730	201 350 410	35.2 33.6 32.6	33.1 44.5 48.8	58.2 71.0 74.6	2.5	Y280M-8 Y315S-8 Y315M-8	45/380 55/380 75/380
	980	261 454 532	59.3 56.5 54.9	73.7 98.4 108.1	57.2 71.0 73.6	3.8	Y315M-6 Y315L2-6 Y315L2-6	90/380 132/380 132/380
150ZJ-I-A58	730	194 338 396	32.9 31.4 30.5	30.4 40.7 44.7	57.2 71.0 73.6	2.5	Y280S-8 Y315S-8 Y315S-8	37/380 55/380 55/380
150211 050	980	268 458 596	61.0 56.0 51.2	78.7 105.5 120.3	56.6 66.2 69.1	3.2	Y315L1-6 Y355L2-6 Y355M1-6	110/380 132/380 160/380
150ZJ-I-C58	730	200 341 444	33.8 31.1 28.4	32.5 43.6 49.7	56.6 66.2 69.1	2.0	Y280M-8 Y315S-8 Y315M-8	45/380 55/380 75/380
150ZJ-I-A57	980	190 301 427	56.3 55.4 52.9	63.2 77.6 92.4	46.1 58.5 66.6	2.9	Y315M-6 Y315L1-6 Y315L1-6	90/380 110/380 110/380
150ZJ-1-A57	730	142 224 318	31.2 30.7 29.4	26.2 32.0 38.2	46.1 58.5 66.6	1.8	Y280S-8 Y280M-8 Y315S-8	37/380 45/380 55/380
	980	248 431 504	53.4 50.8 49.3	65.3 86.4 94.5	55.2 69.0 71.6	3.5	Y315M-6 Y315L1-6 Y315L1-6	90/380 110/380 110/380
150ZJ-I-A55	730	184 321 376	29.6 28.2 27.4	26.9 35.7 39.2	55.2 69.0 71.6	2.3	Y280S-8 Y280M-8 Y315S-8	37/380 45/380 55/380

注: 表中效率为采用填料轴封之值。

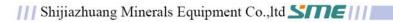
Note: The efficiency refers to the value when packing seal is used.

ZJ 型渣浆泵直联传动清水性能(9)

The Clear Water Performance of ZJ Slurry Pumps (Directly-Coupled Type)(9)

型号	转速	流量	扬程	轴功率 Power of	效率	必需汽蚀		新电机 otors
Type	Speed n	Capacity Q	Head H	shaft Pa	Eff.	余量 (NPSH)r	型号 Type	功率/电压 Power/Voltage
	r/min	m3/h	m	kw	%	m		kw/V
li i	980	230 380 460	43.1 40.0 37.8	42.6 55.2 61.7	63.3 75.0 76.8	3.0	Y280M-6 Y315S-6 Y315S-6	55/380 75/380 75/380
150ZJ-I-A50	730	171 283 343	23.9 22.2 21.0	17.6 22.8 25.5	63.3 75.0 76.8	2.5	Y250M-8 Y250M-8 Y280S-8	30/380 30/380 37/380
	980	221 365 442	39.7 36.9 34.8	38.4 49.6 55.3	62.3 74.0 75.8	3.0	Y280M-6 Y315S-6 Y315S-6	55/380 75/380 75/380
150ZJ-I-A48	730	164 272 329	22.0 20.5 19.4	15.8 20.5 22.9	62.3 74.0 75.8	2.5	Y225M-8 Y250M-8 Y250M-8	22/380 30/380 30/380
10711.640	1480	300 450 550	62.8 58.0 54.3	80.2 96.1 106.5	64.0 74.0 76.4	4.5	Y315S-4 Y315M-4 Y355M2-4	110/380 132/380 132/380
150ZJ-I-C42	980	199 298 364	27.5 25.4 23.8	23.3 27.9 30.9	64.0 74.0 76.4	2.2	Y225M-6 Y250M-6 Y280S-6	30/380 37/380 45/380
100ZJ-I-A50	1480	180 300 360	100.2 95.0 91.6	85.7 113.3 131.7	57.3 68.5 68.2	4.5	Y315S-4 Y315M-4 Y315L1-4	110/380 132/380 160/380
100ZJ-1-A30	980	119 199 238	43.9 41.7 40.2	24.8 33.0 38.2	57.3 68.5 68.2	2.5	Y225M-6 Y280S-6 Y280M-6	30/380 45/380 55/380
100ZJ-I-A46	1480	166 276 331	84.8 80.4 77.5	69.3 90.9 105.5	55.3 66.5 66.2	4.2	Y280M-4 Y315S-4 Y315M-4	90/380 110/380 132/380
100ZJ-1-A40	980	109 183 219	37.2 35.3 34.0	20.0 26.5 30.6	55.3 66.5 66.2	2.3	Y225M-6 Y250M-6 Y250M-6	30/380 37/380 37/380

注: 表中效率为采用填料轴封之值。



ZJ 型渣浆泵直联传动清水性能(10)

The Clear Water Performance of ZJ Slurry Pumps (Directly-Coupled Type)(10)

型 号	转速 Speed n	流量 Capacity Q	扬程 Head H	轴功率 Power of shaft Pa	效率 Eff.	必需汽蚀 余量 (NPSH)r		电机 otors 功率/电压 Power/Voltage
	r/min	m3/h	m	kw	%	m		kw/V
100ZJ-I-A42	1480	140 245 275	70.8 67.0 65.5	50.3 65.7 69.7	53.7 68.0 70.4	4.0	Y280S-4 Y280M-4 Y280M-4	75/380 90/380 90/380
100ZJ-1-A42	980	93 162 182	31.0 29.4 28.7	14.6 19.1 20.2	53.7 68.0 70.4	2.5	Y200L2-6 Y225M-6 Y225M-6	22/380 30/380 30/380
100ZJ-I-B42	1480	176 309 365	66.8 60.5 56.9	55.7 73.3 79.0	57.5 69.5 71.6	5.1	Y280S-4 Y280M-4 Y280M-4	75/380 90/380 90/380
10023-1-042	980	117 205 242	29.3 26.5 24.9	16.2 21.3 22.9	57.5 69.5 71.6	2.5	Y200L2-6 Y225M-6 Y225M-6	22/380 30/380 30/380
100ZJ-I-A39	1480	130 228 255	61.0 57.8 56.5	41.8 54.4 57.4	51.7 66.0 68.4	3.8	Y250M-4 Y280S-4 Y280S-4	55/380 75/380 75/380
100ZJ-1-A39	980	86 150 169	26.7 25.4 24.7	12.1 15.7 16.6	51.7 66.0 68.4	2.4	Y200L1-6 Y200L2-6 Y225M-6	18.5/380 22/380 30/380
100ZJ-I-A36	1480	130 220 245	49.5 45.0 43.4	28.9 38.0 40.4	60.7 71.0 71.6	3.5	Y225S-4 Y250M-4 Y250M-4	37/380 55/380 55/380
100ZJ-1-A30	980	86 146 162	21.7 19.7 19.0	8.4 11.0 11.7	60.7 71.0 71.6	2.0	Y180L-6 Y180L-6 Y200L1-6	15/380 15/380 18.5/380
100ZJ-I-A33	1480	119 202 225	41.6 37.8 36.5	23.0 30.1 32.1	58.7 69.0 69.6	3.2	Y200L-4 Y225S-4 Y225M-4	30/380 37/380 45/380
10023-1-433	980	79 134 149	18.2 16.6 16.0	6.7 8.8 9.3	58.7 69.0 69.6	1.8	Y160L-6 Y180L-6 Y180L-6	11/380 15/380 15/380

注: 表中效率为采用填料轴封之值。

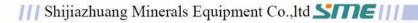
Note: The efficiency refers to the value when packing seal is used.

ZJ 型渣浆泵直联传动清水性能(11)

The Clear Water Performance of ZJ Slurry Pumps (Directly-Coupled Type)(11)

型号	转速	流量	扬程	轴功率 Power of	效率	必需汽蚀		E电机 otors
Type	Speed n	Capacity Q	Head H	shaft Pa	Eff.	余量 (NPSH)r	型号 Type	功率/电压 Power/Voltage
	r/min	m³/h	m	kw	%	m		kw/V
	1480	107 182 242	109.8 105.5 99.0	82.5 100.6 115.9	38.8 52.0 56.3	4.3	Y315S-4 Y315M-4 Y315L1-4	110/380 132/380 160/380
80ZJ-I-A52	980	71 121 160	48.1 46.3 43.4	24.0 29.3 33.6	38.8 52.0 56.3	2.1	Y225M-6 Y250M-6 Y280S-6	30/380 37/380 45/380
80ZJ-I-A42	1480	130 170 204	70.4 67.2 64.2	41.8 47.9 53.5	59.6 65.0 66.7	4.2	Y250M-4 Y280S-4 Y280S-4	55/380 75/380 75/380
60ZJ-I-A42	980	86 113 135	30.9 29.5 28.1	12.1 14.0 15.5	59.6 65.0 66.7	2.5	Y200L1-6 Y200L2-6 Y200L2-6	18.5/380 22/380 22/380
80ZJ-I-A39	1480	121 158 180	60.7 57.9 55.4	34.7 39.5 44.1	57.6 63.0 64.7	4.0	Y225M-4 Y250M-4 Y250M-4	45/380 55/380 55/380
0023-1-133	980	80 105 125	26.6 25.4 24.2	10.1 11.5 12.8	57.6 63.0 64.7	2.4	Y180L-6 Y200L1-6 Y200L1-6	15/380 18.5/380 18.5/380
80ZJ-I-A36	1480	98 140 190	51.4 48.0 42.7	23.6 27.7 32.6	58.2 66.0 67.7	3.7	Y200L-4 Y225S-4 Y225M-4	30/380 37/380 45/380
8023-PA30	980	65 93 126	22.5 21.0 18.7	6.8 8.1 9.5	58.2 66.0 67.7	2.5	Y160L-6 Y160L-6 Y180L-6	11/380 11/380 15/380
80ZJ-I-A33	1480	90 128 174	43.2 40.3 35.9	18.8 21.9 25.9	56.2 64.0 65.7	3.4	Y200L-4 Y200L-4 Y225S-4	30/380 30/380 37/380
NAME OF THE OWNER.	980	60 85 116	18.9 17.6 15.7	5.5 6.4 7.5	56.2 64.0 65.7	2.2	Y160M-6 Y160L-6 Y160L-6	7.5/380 11/380 11/380
65711.430	1460	47 62 79	34.8 33.9 32.0	7.9 9.2 10.8	56.2 62.0 63.5	3.0	Y160M-4 Y160L-4 Y160L-4	11/380 15/380 15/380
65ZJ-I-A30	960	31 41 52	15.0 14.7 13.8	2.3 2.6 3.1	56.2 62.0 63.5	2.0	Y132M1-6 Y132M2-6 Y132M2-6	4/380 5.5/380 5.5/380

注: 表中效率为采用填料轴封之值。



ZJ 型渣浆泵直联传动清水性能(12)

The Clear Water Performance of ZJ Slurry Pumps (Directly-Coupled Type)(12)

型号 Type	转速	流量	扬程	轴功率 Power of	效率	必需汽蚀	116	套电机 Iotors
	Speed	Capacity	Н	shaft Pa	Eff.	余量 (NPSH)r	型号 Type	功率/电压 Power/Voltag
	r/min	m³/h	m	kw	%	m		kw/V
	4.00	42	28.2	6.0	54.2		Y160M-4	11/380
	1460	56	27.5	7.0	60.0	2.7	Y160M-4	11/380
65ZJ-I-A27		71	25.9	8.1	61.5		Y160M-4	11/380
	1000000	28	12.2	1.7	54.2		Y132S-6	3/380
	960	37	11.9	2.0	60.0	1.8	Y132M1-6	4/380
		47	11.2	2.3	61.5		Y132M1-6	4/380
		57	110.7	50.7	33.9		Y280S-4	75/380
	1480	91	105.5	60.9	42.9	3.8	Y280S-4	75/380
50ZJ-I-A50		111	99.8	66.9	45.1		Y280M-4	90/380
3023-1-250		38	48.5	14.8	33.9		Y200L2-6	22/380
	980	60	46.3	17.6	42.9	3.0	Y225M-6	30/380
		74	43.8	19.6	45.1		Y225M-6	30/380
		48	85.8	34.8	32.2	2000	Y225M-4	45/380
	1480	77	82.3	41.4	41.7	2.9	Y250M-4	55/380
50ZJ-I-A46		94	79.9	45.8	44.7		Y250M-4	55/380
3023-1-A40		31	36.9	9.7	32.2	1.4	Y180L-6	15/380
	970	50	35.4	11.6	41.7		Y180L-6	15/380
		62	34.3	13.0	44.7		Y200L1-6	18.5/380
		26	42.5	9.2	32.8		Y160L-4	15/380
	1480	40	40.0	10.7	40.6	6.0	Y180M-4	18.5/380
50ZJ-I-A33		54	34.5	12.3	41.4		Y180M-4	18.5/380
30ZJ-1-A33		17	17.9	2.5	32.8		Y132M1-6	4/380
	960	26	16.8	2.9	40.6	2.9	Y132M2-6	5.5/380
		35	14.5	3.3	41.4		Y132M2-6	5.5/380
		16.3	57.1	6.5	39.2		Y160M1-2	11/380
	2930	30.0	54.9	8.1	55.4	4.9	Y160M1-2	11/380
40ZJ-I-A19		34.9	53.7	8.7	58.8		Y160M1-2	11/380
40ZJ-I-A19		8.0	13.6	0.8	39.2		Y900L-4	1.5/380
	1430	14.6	13.1	0.9	55.4	1.3	Y900L-4	1.5/380
		17.0	12.8	1.0	58.8		Y100L1-4	2.2/380
		9.4	44.6	3.5	33.2		Y132S1-2	5.5/380
	2900	17.9	42.7	4.3	49.5	4.5	Y132S2-2	7.5/380
4071 T A 17		23,4	39.3	4.9	52.4		Y132S2-2	7,5/380
40ZJ-I-A17		4.5	10.3	0.4	33.2		Y801-4	0.55/380
	1400	8.6	9.9	0.5	49.5	2.5	Y90S-4	1.1/380
		11.3	9.1	0.5	52.4		Y90S-4	1.1/380

注: 表中效率为采用填料轴封之值。

Note: The efficiency refers to the value when packing seal is used.

ZJL 型渣浆泵清水性能(1)

The Clear Water Performance of ZJL Slurry Pumps (1)

型号 Type	转速 Speed n	流量 Capacity Q	扬程 Head H	轴功率 Power of shaft Pa	效率 Eff.	配套电机 Motors	
	r/min	m3/h	m	kw	%		
	980	198 332 364	17.9 13.2 12.1	15.3 17.5 18.0	63.1 68.1 66.8	Y250M-6 V1 380V 37kW	
150ZJL-A35	730	147 247 271	10.0 7.3 6.7	6.3 7.2 7.4	63.1 68.1 66.8	Y200L-8 V1 380V 15kW	
	590	119 200 219	6.5 4.8 4.4	3,3 3,8 3,9	63.1 68.1 66.8	Y160L-6 B3 380V 11kW	
100ZJL-A34	1480	157 214 293	36.8 32.6 24.4	26.1 29.2 33.5	60.2 65.1 58.2	Y225M-4 V1 380V 45kW	
	970	103 140 192	15.8 14.0 10.5	7.4 8.2 9,4	60.2 65.1 58.2	Y180L-6 V1 380V 15kW	
80ZJL-A36	1480	105 144 201	45.5 41.4 32.5	25.0 27.9 32.8	52.1 58.2 54.2	Y225M-4 V1 380V 45kW	
	970	69 94 132	19.5 17.8 14.0	7.0 7.8 9.3	52.1 58.2 54.2	Y180L-6 V1 380V 15kW	
65ZJL-A30	1470	38 58 98	34.7 31.9 26.0	8.2 9.7 13.4	43.7 51.9 51.7	Y180M-4 V1 380V 18.5kW	
	960	25 38 64	14.8 13.6 11.1	2.3 2.7 3.7	43.7 51.9 51.7	Y132M2-6 B5 380V 5.5kW	
507H A20	1440	17.1 24.7 38.0	10.7 9.2 6.0	1.4 1.6 2.0	34.9 38.6 31.2	Y112M-4 B5 380V 4kW	
50ZJL-A20	910	10.8 15.6 24.0	4.3 3.7 2.4	0.4 0.4 0.5	34.9 38.6 31.2	Y90L-6 B5 380V 1.1kW	

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The Authentication Certificate Of Quality Management System

Shijiazhuang Minerals Equipment Co., Ltd

Address: No. 688 Zhongshan West Road, Shijiazhuang. P.C.: 050011

According to your organization's application, our center carried out audit and certification in accordance with the requirements for Quality Management System (GB/T19001-2008 idt IS09001:2008), through the assessment, it is accords with the requirements which set up the quality management system.

The scope of the certified QMS is:

Sales and after-sale service of slurry pump, valve, minerals equipment etc (facility and equipment of public security is excluded), as well as their parts.

> Registration No. of Certificate: Date of the Awarded Certificate:

05310Q11718R0S

Term of the Certificate's Validity: 20-8-2010-19-8-2013

20-8-2010

Date of the First Authentication:

20-8-2010

The certificate organization should be accepted oversight and audit in the valid of period of 3 years meanwhile if the oversight and audit are all qualified, the certificate will sustained and effective. Please login www.ngv.org.cn to verify the state of the certificate.







Beijing NGV Certification Center

Director: Zengjian

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