



山东章鼓 股票代码：002598

**PERFORMANCE DATA OF
SERIES ZSH-V、ZLB ROTARY**

ZSH-V、ZLB 系列 单级干式罗茨真空泵

山东省章丘鼓风机股份有限公司
SHANDONG ZHANGQIU BLOWER CO., LTD

中国通用机械工业协会风机分会副理事长单位

公司简介

Company Profile

山东省章丘鼓风机股份有限公司是国家重点风机生产企业，具有四十多年专业的风机设计、制造技术和经验，是国内规模最大的罗茨鼓风机生产和销售厂家。公司先后建立了两家中日合资企业，并在美国设立了分公司，成为国内风机行业第一家在国外建立分公司的企业，目前公司已成为集鼓风机、重型设备、气力输送成套系统、工业泵、电气设备等机械产品研发、设计、生产、制造于一体的现代化企业。2011年7月，章鼓公司在深交所成功上市。

公司有享受国务院特殊津贴专家、工程技术应用研究员、泰山学者、有济南市“5150”工程引进的日本专家博士、有享受省、市政府津贴的高级专业人才，先后与清华大学、西安交通大学、浙江大学、江苏大学、山东大学、山东科技大学等高等院校建立了产学研基地，保持着密切的合作关系。公司自主研发了多项具有国际领先和先进水平的新产品，拥有国内一流的产品研发设计中心，建有省级企业技术中心，具有雄厚的设计、科研、开发、试验、检测的能力，处于国内机械行业领先地位。

公司先后荣获“中国机械500强企业”、2005年度全国风机、衡器、包装设备等通用设备制造业“自主创新能力十强”、风机行业“用户满意企业”、“山东省利税五十强企业”等多项荣誉。注册商标“章鼓”荣获“山东名牌”，“齐鲁”荣获“2006年度最具市场竞争力品牌”、“山东省著名商标”。



Shandong Zhangqiu Blower Co., Ltd is one of the most important blower manufacturers in China with 40 years of experience in R&D and production of Roots type blower. It has become the domestic No. 1 in production capability and market share of Roots type blower. It has invested to set up two Chinese-Japanese joint ventures, one sub-company in USA which is the first oversea organization in domestic blowers industry. Now the company has become a large-scale modern producing and design enterprise with products of blowers, heavy-duty equipments, pneumatic conveying systems, industrial pumps and electric equipments, etc.

There are experts who are awarded to enjoy special allowance from the State Council, the Province and the City government, Taishan Academician, and a professional talent from Japan with doctor's degree through Jinan City "5150" Talents Policy in the company. It also keeps a good and close cooperating relationship with domestic famous universities like Tsinghua University, Xi'an Jiaotong University, Zhejiang University, Jiangsu University, Shandong University and Shandong University of Science and Technology. The company has a provincial level R & D center with strong ability of research, design, test and inspection and positioning a leading status in domestic machinery industry.

The company is ranked among the top 500 enterprises in Chinese Machinery Industry, the top 10 innovation enterprises in the domestic blower, weighing apparatus, and packaging equipment industries, the top 50 enterprises in taxpaying in Shandong Province. The company is also recognized to be "The Client Satisfaction Enterprises in Blower Industry".

The registered trade mark "ZHANGGU" is appraised to be "The Famous Brand in Shandong Province", "QILU" is appraised to be "The Most Competitive Power Brand in 2006" and "The Famous Brand in Shandong Province".



ZSH-V、ZLB 系列单级干式罗茨真空泵产品简介

ZSH-V、ZLB SERIES SINGLE STAGE DRY VACUUM PUMPS ROOTS INTRODUCTION

ZSH-V、ZLB 系列单级干式罗茨真空泵，是采用我公司专有的《带逆流装置的多叶型叶轮正（负）压罗茨风机结构》与《带有逆流装置的罗茨鼓风机、真空泵新结构》两项专利技术，借鉴吸收引进的日本 RR 系列罗茨鼓风机先进结构基础上，结合我公司近四十年的设计、制造经验，进行自主研发的新一代单级干式高真空罗茨真空泵。

产品特点：

- 1、采用逆流装置等多项专利技术，结构设计先进合理。
- 2、叶轮采用特殊设计的复合型线，效率高。
- 3、关键零部件加工精度高，保证真空泵运转平稳。
- 4、真空度高，流量覆盖面广。流量范围：2.9 ~ 194.5m³/min，真空度：-49 ~ -78.4kPa。

产品用途：

广泛应用于电厂负压除灰，水泥、冶炼、负压气力输送、V 法铸造等行业。

ZSH-V、ZLB series single stage dry Roots vacuum pump is using my company's proprietary "backflow device with multi-blade impeller positive (negative) pressure blower Structure" and "Roots blower with a countercurrent apparatus , vacuum pump new structure, "two patented technologies, learn from and absorb the introduction of Japan's advanced RR series Roots blower based on the structure, combined with our nearly four decades of design and manufacturing experience, independent research and development of next-generation single-stage dry-type high vacuum Roots vacuum pump.

Product Features:

1. the use of counter-current devices and many other patented technologies, advanced and reasonable structure design.
2. using a specially designed impeller clover composite cable, and high efficiency.
3. the key components of high precision machining, to ensure smooth running vacuum pump.
4. high vacuum, flow coverage. Flow Range: 2.9 ~ 194.5m³/min, vacuum degree: -49 ~ -78.4kPa.

Product Use:

Widely used in power plants vacuum ash, cement, smelting, vacuum pneumatic conveying, V France foundry industries.

ZSH-V 系列单级干式高真空罗茨真空泵性能参数表

PERFORMANCE DATA OF SERIES ZSH-V ROTARY VACUUM PUMP

ZSH3-100V型罗茨真空泵性能参数表

PERFORMANCE DATA OF MODEL ZSH3-100V VACUUM PUMP

转速 Rotary Speed r/min	理论流量 Theoretical Capacity m ³ /min	真空度 Vacuum Degree kPa	流量 Capacity m ³ /min	轴功率 Shaft Power kW	电动机 Motor		最大重量 Unit Maximum Weight kg
					型号 Type	功率 Power kW	
970 *	7.88	-49.0	3.8	7.62	Y160L-6	11	630
		-53.9	3.4	8.29	Y160L-6	11	
		-58.8	2.9	8.96	Y160L-6	11	
1150	9.34	-49.0	5.2	9.17	Y160M-4	11	650
		-53.9	4.8	9.9	Y160M-4	11	
		-58.8	4.4	10.6	Y160L-4	15	
1450 *	11.77	-49.0	7.6	11.3	Y160L-4	15	655
		-53.9	7.2	12.4	Y160L-4	15	
		-58.8	6.7	13.4	Y160L-4	15	
		-63.7	6.1	14.4	Y180M-4	18.5	
		-68.6	5.3	15.3	Y180M-4	18.5	
1750	14.21	-49.0	10.0	13.6	Y180M-4	18.5	700
		-53.9	9.6	14.9	Y180M-4	18.5	
		-58.8	9.1	16.1	Y180M-4	18.5	
		-63.7	8.5	17.3	Y180L-4	22	
		-68.6	7.7	18.4	Y180L-4	22	
2000	16.24	-49.0	12.0	15.7	Y180M-4	18.5	755
		-53.9	11.6	17.0	Y180L-4	22	
		-58.8	11.1	18.3	Y180L-4	22	
		-63.7	10.5	19.7	Y180L-4	22	
		-68.6	9.7	21.1	Y200L-4	30	
		-73.5	8.6	22.5	Y200L-4	30	

ZSH3-125V型罗茨真空泵性能参数表

PERFORMANCE DATA OF MODEL ZSH3-125V VACUUM PUMP

转速 Rotary Speed r/min	理论流量 Theoretical Capacity m ³ /min	真空度 Vacuum Degree kPa	流量 Capacity m ³ /min	轴功率 Shaft Power kW	电动机 Motor		最大重量 Unit Maximum Weight kg
					型号 Type	功率 Power kW	
970 *	11.32	-49.0	6.2	10.5	Y180L-6	15	735
		-53.9	5.7	11.5	Y180L-6	15	
		-58.8	5.1	12.5	Y180L-6	15	
1150	13.42	-49.0	8.3	12.5	Y160L-4	15	765
		-53.9	7.8	13.7	Y180M-4	18.5	
		-58.8	7.2	14.8	Y180M-4	18.5	
		-63.7	6.4	16.0	Y180M-4	18.5	
1450 *	16.93	-49.0	11.7	15.8	Y180M-4	18.5	800
		-53.9	11.2	17.2	Y180L-4	22	
		-58.8	10.6	18.6	Y180L-4	22	
		-63.7	9.9	20.0	Y180L-4	22	
		-68.6	8.9	21.5	Y200L-4	30	
1750	20.43	-49.0	15.2	19.1	Y180L-4	22	830
		-53.9	14.7	20.8	Y200L-4	30	
		-58.8	14.1	22.5	Y200L-4	30	
		-63.7	13.3	24.2	Y200L-4	30	
		-68.6	12.3	26.0	Y200L-4	30	
		-73.5	11.0	27.8	Y225S-4	37	
2000	23.35	-49.0	18.0	21.7	Y200L-4	30	890
		-53.9	17.6	23.7	Y200L-4	30	
		-58.8	16.9	25.6	Y200L-4	30	
		-63.7	16.2	27.6	Y225S-4	37	
		-68.6	15.2	29.7	Y225S-4	37	
		-73.5	13.8	31.7	Y225S-4	37	
		-78.4	11.9	33.6	Y225S-4	37	

注：1、*所示转速的真空泵采用联轴器传动，其余为皮带传动。

2、电机防护等级：IP44，电压380V。

Notes: 1. Direct drive is adopted for model marked with "*", Belt drive is adopted for others.

2. Motor protection class IP44, voltage 380V.

ZSH-V 系列单级干式高真空罗茨真空泵性能参数表

PERFORMANCE DATA OF SERIES ZSH-V ROTARY VACUUM PUMP

ZSH3-127V型罗茨真空泵性能参数表

PERFORMANCE DATA OF MODEL ZSH3-127V VACUUM PUMP

转速 Rotary Speed r/min	理论流量 Theoretical Capacity m ³ /min	真空度 Vacuum Degree kPa	流量 Capacity m ³ /min	轴功率 Shaft Power kW	电动机 Motor		最大重量 Unit Maximum Weight kg
					型 号 Type	功率 Power kW	
970 *	13.79	-49.0	6.9	12.9	Y180L-6	15	900
		-53.9	6.2	14.0	Y200L1-6	18.5	
		-58.8	5.4	15.1	Y200L1-6	18.5	
		-63.7	4.4	16.1	Y200L1-6	18.5	
1150	16.34	-49.0	9.5	15.1	Y180M-4	15	890
		-53.9	8.8	16.5	Y180L-4	22	
		-58.8	8.0	17.9	Y180L-4	22	
		-63.7	7.0	19.3	Y180L-4	22	
		-68.6	6.0	20.7	Y200L-4	30	
1450 *	20.61	-49.0	13.7	19.2	Y180L-4	22	950
		-53.9	13.0	21.0	Y200L-4	30	
		-58.8	12.2	22.7	Y200L-4	30	
		-63.7	11.3	24.5	Y200L-4	30	
		-68.6	10.1	26.3	Y200L-4	30	
		-73.5	8.7	26.3	Y200L-4	30	
1750	24.87	-49.0	18.0	28.1	Y225S-4	37	930
		-53.9	17.3	25.1	Y200L-4	30	
		-58.8	16.5	27.2	Y200L-4	30	
		-63.7	15.5	29.3	Y225S-4	37	
		-68.6	14.4	31.4	Y225S-4	37	
		-73.5	13.2	33.5	Y225S-4	37	
		-73.5	13.2	33.5	Y225S-4	37	
2000	28.43	-49.0	21.6	26.2	Y200L-4	30	930
		-53.9	20.9	28.6	Y225S-4	37	
		-58.8	20.0	31.0	Y225S-4	37	
		-63.7	19.1	33.4	Y225S-4	37	
		-68.6	18.0	35.8	Y225M-4	45	
		-73.5	16.7	38.3	Y225M-4	45	
		-73.5	16.7	38.3	Y225M-4	45	

ZSH3-130V型罗茨真空泵性能参数表

PERFORMANCE DATA OF MODEL ZSH3-130V VACUUM PUMP

转速 Rotary Speed r/min	理论流量 Theoretical Capacity m ³ /min	真空度 Vacuum Degree kPa	流量 Capacity m ³ /min	轴功率 Shaft Power kW	电动机 Motor		最大重量 Unit Maximum Weight kg
					型 号 Type	功率 Power kW	
970 *	17.23	-49.0	8.6	16.2	Y200L1-6	18.5	980
		-53.9	7.7	17.8	Y200L2-6	22	
		-58.8	6.6	19.1	Y200L2-6	22	
		-63.7	5.6	20.4	Y225M-6	30	
1150	20.43	-49.0	11.8	19.1	Y180L-4	22	890
		-53.9	10.9	20.9	Y200L-4	30	
		-58.8	9.8	22.6	Y200L-4	30	
		-63.7	8.7	24.3	Y200L-4	30	
		-68.6	7.4	26.0	Y200L-4	30	
1450 *	25.76	-49.0	17.1	23.9	Y200L-4	30	980
		-53.9	16.2	26.6	Y200L-4	30	
		-58.8	15.2	28.3	Y225S-4	37	
		-63.7	14.0	30.5	Y225S-4	37	
		-68.6	12.6	32.7	Y225S-4	37	
		-68.6	12.6	32.7	Y225S-4	37	
1750	31.09	-73.5	11.0	34.9	Y225SM-4	45	980
		-49.0	22.4	28.8	Y225S-4	37	
		-53.9	21.5	31.5	Y225S-4	37	
		-58.8	20.5	34.1	Y225M-4	45	
		-63.7	19.3	36.7	Y225M-4	45	
		-68.6	18.0	39.3	Y225M-4	45	
		-73.5	16.4	42.0	Y250M-4	55	
2000	35.54	-49.0	26.9	32.9	Y225S-4	37	980
		-53.9	26.0	35.9	Y225M-4	45	
		-58.8	25.0	38.8	Y225M-4	45	
		-63.7	23.8	41.8	Y250M-4	55	
		-68.6	22.4	44.9	Y250M-4	55	
		-73.5	20.8	48.0	Y250M-4	55	
		-78.4	18.8	51.1	Y280S-4	75	
		-78.4	18.8	51.1	Y280S-4	75	

注：1、*所示转速的真空泵采用联轴器传动，其余为皮带传动。

2、电机防护等级：IP44，电压380V。

3、 内性能点罗茨真空泵采用中间轴皮带轮传动

Notes: 1. Direct drive is adopted for model marked with "*"; Belt drive is adopted for others.

2. Motor protection class IP44, voltage 380V.

3. Belt drive with counter shaft should be adopted for pump whose performance points are enclosed by the "".

ZSH-V 系列单级干式高真空罗茨真空泵性能参数表

PERFORMANCE DATA OF SERIES ZSH-V ROTARY VACUUM PUMP

ZSH3-150V型罗茨真空泵性能参数表

PERFORMANCE DATA OF MODEL ZSH3-150V VACUUM PUMP

转速 Rotary Speed r/min	理论流量 Theoretical Capacity m ³ /min	真空度 Vacuum Degree kPa	流量 Capacity m ³ /min	轴功率 Shaft Power kW	电动机 Motor		最大重量 Unit Maximum Weight kg
					型 号 Type	功率 Power kW	
970 *	21.17	-49.0	11.7	19.8	Y200L2-6	22	1210
		-53.9	10.8	21.7	Y225M-6	30	
		-58.8	9.7	23.5	Y225M-6	30	
		-63.7	8.6	25.3	Y225M-6	30	
1150	25.1	-49.0	15.6	23.4	Y200L-4	30	1135
		-53.9	14.7	25.5	Y200L-4	30	
		-58.8	13.5	27.6	Y225S-4	37	
		-63.7	12.1	29.7	Y225S-4	37	
1450 *	31.65	-49.0	22.0	29.4	Y225S-4	37	1210
		-53.9	21.1	32.1	Y225S-4	37	
		-58.8	20.0	34.7	Y225M-4	45	
		-63.7	18.5	37.5	Y225M-4	45	
1750	38.2	-49.0	28.5	35.3	Y225M-4	45	1230
		-53.9	27.5	38.6	Y225M-4	45	
		-58.8	26.4	41.8	Y250M-4	55	
		-63.7	25.0	45.1	Y250M-4	55	
2000	43.66	-49.0	33.8	40.3	Y225M-4	45	1230
		-53.9	32.9	44.1	Y250M-4	55	
		-58.8	31.8	47.8	Y250M-4	55	
		-63.7	30.7	51.5	Y250M-4	55	

ZSH4-140V型罗茨真空泵性能参数表

PERFORMANCE DATA OF MODEL ZSH4-140V VACUUM PUMP

转速 Rotary Speed r/min	理论流量 Theoretical Capacity m ³ /min	真空度 Vacuum Degree kPa	流量 Capacity m ³ /min	轴功率 Shaft Power kW	电动机 Motor		最大重量 Unit Maximum Weight kg
					型 号 Type	功率 Power kW	
730 *	17.75	-49.0	9.6	16.6	Y225S-8	18.5	1650
		-53.9	8.7	18.1	Y225M-8	22	
		-58.8	7.7	19.5	Y225M-8	22	
		-63.7	6.5	21.6	Y250M-8	30	
970 *	23.59	-49.0	15.3	21.6	Y225M-6	30	1760
		-53.9	14.5	23.7	Y225M-6	30	
		-58.8	13.5	25.8	Y225M-6	30	
		-63.7	12.3	27.9	Y250M-6	37	
1170	28.45	-49.0	20.2	26.3	Y200L-4	30	1650
		-53.9	19.3	28.6	Y225S-4	37	
		-58.8	18.3	30.9	Y225S-4	37	
		-63.7	17.2	33.5	Y225S-4	37	
1250	30.4	-49.0	22.1	28.3	Y225S-4	37	1780
		-53.9	21.2	30.7	Y225S-4	37	
		-58.8	20.3	33.0	Y225S-4	37	
		-63.7	19.1	35.6	Y225M-4	45	
1350	32.83	-49.0	24.5	30.4	Y225S-4	37	1780
		-53.9	23.7	33.3	Y225S-4	37	
		-58.8	22.7	36.1	Y225M-4	45	
		-63.7	21.6	38.7	Y225M-4	45	
1450 *	35.09	-49.0	27.0	32.2	Y225S-4	37	1780
		-53.9	26.1	35.1	Y225M-4	45	
		-58.8	25.1	37.9	Y225M-4	45	
		-63.7	24.0	40.8	Y250M-4	55	

注：1、*所示转速的真空泵采用联轴器传动，其余为皮带传动。

2、电机防护等级：IP44，电压380V。

3、☐ 内性能点罗茨真空泵采用中间轴皮带轮传动

Notes: 1. Direct drive is adopted for model marked with "*", Belt drive is adopted for others.

2. Motor protection class IP44, voltage 380V.

3. Belt drive with counter shaft should be adopted for pump whose performance points are enclosed by the "☐".

ZSH-V 系列单级干式高真空罗茨真空泵性能参数表

PERFORMANCE DATA OF SERIES ZSH-V ROTARY VACUUM PUMP

ZSH4-145V型罗茨真空泵性能参数表

PERFORMANCE DATA OF MODEL ZSH4-145V VACUUM PUMP

转速 Rotary Speed r/min	理论流量 Theoretical Capacity m ³ /min	真空度 Vacuum Degree kPa	流量 Capacity m ³ /min	轴功率 Shaft Power kW	电动机 Motor		最大重量 Unit Maximum Weight kg
					型号 Type	功率 Power kW	
730 *	21.61	-49.0	11.6	20.1	Y250M-8	30	1750
		-53.9	10.5	21.9	Y250M-8	30	
		-58.8	9.3	23.6	Y250M-8	30	
		-63.7	8.0	25.3	Y250M-8	30	
970 *	28.72	-49.0	18.7	26.3	Y250M-6	37	1810
		-53.9	17.6	28.6	Y250M-6	37	
		-58.8	16.4	30.9	Y250M-6	37	
		-63.7	15.0	33.5	Y250M-6	37	
1170	34.64	-49.0	24.6	31.4	Y225S-4	37	1800
		-53.9	23.5	34.3	Y225M-4	45	
		-58.8	22.3	37.1	Y225M-4	45	
		-63.7	21.0	40.2	Y225M-4	45	
1250	37.01	-49.0	27.0	34.1	Y225M-4	45	1800
		-53.9	25.9	36.9	Y225M-4	45	
		-58.8	24.7	39.7	Y225M-4	45	
		-63.7	23.3	42.8	Y250M-4	55	
1350	39.97	-49.0	30.0	36.6	Y225M-4	45	1870
		-53.9	28.8	40.0	Y225M-4	45	
		-58.8	27.6	43.3	Y250M-4	55	
		-63.7	26.2	46.4	Y250M-4	55	
1450 *	42.72	-49.0	32.9	38.3	Y225M-4	45	1850
		-53.9	31.8	41.8	Y250M-4	55	
		-58.8	30.6	45.2	Y250M-4	55	
		-63.7	29.2	48.7	Y250M-4	55	
1450 *	42.72	-68.6	27.5	52.2	Y280S-4	75	1850
		-73.5	25.4	55.7	Y280S-4	75	
		-78.4	22.5	59.2	Y280S-4	75	
		-78.4	22.5	59.2	Y280S-4	75	

ZSH4-150V型罗茨真空泵性能参数表

PERFORMANCE DATA OF MODEL ZSH4-150V VACUUM PUMP

转速 Rotary Speed r/min	理论流量 Theoretical Capacity m ³ /min	真空度 Vacuum Degree kPa	流量 Capacity m ³ /min	轴功率 Shaft Power kW	电动机 Motor		最大重量 Unit Maximum Weight kg
					型号 Type	功率 Power kW	
730 *	27.79	-49.0	15.5	25.0	Y250M-8	30	1900
		-53.9	14.3	27.5	Y280S-8	37	
		-58.8	12.9	30.1	Y280S-8	37	
		-63.7	11.5	32.3	Y280S-8	37	
970 *	36.93	-49.0	24.3	33.5	Y250M-6	37	1945
		-53.9	23.1	36.6	Y280S-6	45	
		-58.8	21.7	39.7	Y280S-6	45	
		-63.7	19.9	42.8	Y280M-6	55	
1170	44.54	-49.0	31.6	40.2	Y225M-4	45	1870
		-53.9	30.4	43.8	Y250M-4	55	
		-58.8	29.1	47.4	Y250M-4	55	
		-63.7	27.3	51.0	Y280S-4	75	
1250	47.59	-49.0	34.5	42.7	Y250M-4	55	1870
		-53.9	33.3	46.9	Y250M-4	55	
		-58.8	32.0	51.0	Y280S-4	75	
		-63.7	30.2	54.9	Y280S-4	75	
1350	51.39	-49.0	38.2	46.4	Y250M-4	55	1870
		-53.9	37.0	50.5	Y280S-4	75	
		-58.8	35.6	54.6	Y280S-4	75	
		-63.7	33.9	59.0	Y280S-4	75	
1450 *	54.92	-49.0	42.2	49.1	Y250M-4	55	1980
		-53.9	40.8	53.6	Y280S-4	75	
		-58.8	39.3	58.1	Y280S-4	75	
		-63.7	37.6	62.6	Y280S-4	75	
1450 *	54.92	-68.6	35.5	67.1	Y280S-4	75	1980
		-73.5	33.0	71.6	Y280M-4	90	
		-78.4	30.2	77.0	Y280M-4	90	
		-78.4	30.2	77.0	Y280M-4	90	

注：1、*所示转速的真空泵采用联轴器传动，其余为皮带传动。

2、电机防护等级：IP44，电压380V。

Notes: 1. Direct drive is adopted for model marked with "*", Belt drive is adopted for others.

2. Motor protection class IP44, voltage 380V.

ZSH-V 系列单级干式高真空罗茨真空泵性能参数表

PERFORMANCE DATA OF SERIES ZSH-V ROTARY VACUUM PUMP

ZSH4-190V型罗茨真空泵性能参数表

PERFORMANCE DATA OF MODEL ZSH4-190V VACUUM PUMP

转速 Rotary Speed r/min	理论流量 Theoretical Capacity m ³ /min	真空度 Vacuum Degree kPa	流量 Capacity m ³ /min	轴功率 Shaft Power kW	电动机 Motor		最大重量 Unit Maximum Weight kg
					型号 Type	功率 Power kW	
730 *	34.74	-49.0	19.7	31.6	Y280S-8	37	2240
		-53.9	18.2	34.4	Y280M-8	45	
		-58.8	16.4	37.1	Y280M-8	45	
		-63.7	14.7	39.8	Y280M-8	45	
970 *	46.16	-49.0	31.2	41.2	Y280M-6	55	2420
		-53.9	29.7	45.1	Y280M-6	55	
		-58.8	27.9	48.9	Y280M-6	55	
		-63.7	26.0	52.8	Y315S-6	75	
		-68.8	24.9	56.9	Y315S-6	75	
1170	55.68	-49.0	40.8	50.0	Y250M-4	55	2200
		-53.9	39.3	54.7	Y280S-4	75	
		-58.8	37.5	59.3	Y280S-4	75	
		-63.7	35.6	63.9	Y280S-4	75	
		-68.6	33.2	68.5	Y280M-4	90	
1250	59.48	-73.5	30.3	73.6	Y280M-4	90	2200
		-49.0	44.6	53.6	Y280S-4	75	
		-53.9	43.1	58.5	Y280S-4	75	
		-58.8	41.3	63.3	Y280S-4	75	
		-63.7	39.4	68.2	Y280M-4	90	
		-68.6	37.0	73.1	Y280M-4	90	
		-73.5	34.1	78.0	Y280M-4	90	
1350	64.24	-78.4	30.7	83.1	Y315S-4	110	2600
		-49.0	49.3	57.7	Y280S-4	75	
		-53.9	47.8	62.9	Y280S-4	75	
		-58.8	46.0	68.0	Y280S-4	75	
		-63.7	44.1	73.4	Y280M-4	90	
		-68.6	41.7	78.8	Y280M-4	90	
		-73.5	38.8	84.2	Y315S-4	110	
1450 *	68.66	-78.4	35.4	89.8	Y315S-4	110	2450
		-49.0	53.7	60.7	Y280S-4	75	
		-53.9	52.2	66.3	Y280S-4	75	
		-58.8	50.4	71.8	Y280M-4	90	
		-63.7	48.5	77.4	Y280M-4	90	
		-68.6	46.1	83.0	Y315S-4	110	
		-73.5	43.2	88.7	Y315S-4	110	

ZSH4-200V型罗茨真空泵性能参数表

PERFORMANCE DATA OF MODEL ZSH4-200V VACUUM PUMP

转速 Rotary Speed r/min	理论流量 Theoretical Capacity m ³ /min	真空度 Vacuum Degree kPa	流量 Capacity m ³ /min	轴功率 Shaft Power kW	电动机 Motor		最大重量 Unit Maximum Weight kg
					型号 Type	功率 Power kW	
730 *	42.47	-49.0	26.0	38.1	Y280M-8	45	2440
		-53.9	24.3	41.6	Y315S-8	55	
		-58.8	22.4	45.1	Y315S-8	55	
		-63.7	20.4	48.7	Y315S-8	55	
970 *	56.42	-49.0	39.9	50.5	Y315S-6	75	2460
		-53.9	38.2	55.2	Y315S-6	75	
		-58.8	36.3	59.9	Y315S-6	75	
		-63.7	34.1	64.6	Y315S-6	75	
		-68.6	31.7	69.1	Y315M-6	90	
1170	68.05	-49.0	51.5	60.8	Y280S-4	75	2520
		-53.9	49.8	66.5	Y280S-4	75	
		-58.8	47.9	72.1	Y280M-4	90	
		-63.7	45.7	77.5	Y280M-4	90	
		-68.6	43.1	82.9	Y315S-4	110	
1250	72.7	-73.5	40.2	88.9	Y315S-4	110	2270
		-49.0	56.1	64.9	Y280S-4	75	
		-53.9	54.4	70.8	Y280M-4	90	
		-58.8	52.5	76.7	Y280M-4	90	
		-63.7	50.3	82.7	Y315S-4	110	
		-68.6	47.7	88.6	Y315S-4	110	
		-73.5	44.5	94.8	Y315S-4	110	
1350	78.52	-78.4	40.4	101.0	Y315M-4	132	2650
		-49.0	61.9	70.0	Y280M-4	90	
		-53.9	60.2	76.2	Y280M-4	90	
		-58.8	58.3	82.4	Y315S-4	110	
		-63.7	56.1	89.1	Y315S-4	110	
		-68.6	53.5	95.8	Y315S-4	110	
		-73.5	50.3	102.5	Y315M-4	132	
1450 *	83.91	-78.4	46.5	109.0	Y315M-4	132	2900
		-49.0	67.7	73.3	Y280M-4	90	
		-53.9	66.0	80.2	Y280M-4	90	
		-58.8	64.1	87.0	Y315S-4	110	
		-63.7	61.9	93.9	Y315S-4	110	
		-68.6	59.3	100.7	Y315S-4	110	
		-73.5	56.1	107.6	Y315M-4	132	
1450 *	83.91	-78.4	52.3	117.2	Y315M-4	132	2530
		-78.4	52.3	117.2	Y315M-4	132	

注：1、*所示转速的真空泵采用联轴器传动，其余为皮带传动。

2、电机防护等级：IP44，电压380V。

3、□ 内性能点罗茨真空泵采用中间轴皮带轮传动

Notes: 1. Direct drive is adopted for model marked with "*", Belt drive is adopted for others.

2. Motor protection class IP44, voltage 380V.

3. Belt drive with counter shaft should be adopted for pump whose performance points are enclosed by the "□".

ZSH-V 系列单级干式高真空罗茨真空泵性能参数表

PERFORMANCE DATA OF SERIES ZSH-V ROTARY VACUUM PUMP

ZSH4-250V型罗茨真空泵性能参数表

PERFORMANCE DATA OF MODEL ZSH4-250V VACUUM PUMP

转速 Rotary Speed r/min	理论流量 Theoretical Capacity m ³ /min	真空度 Vacuum Degree kPa	流量 Capacity m ³ /min	轴功率 Shaft Power kW	电动机 Motor		最大重量 Unit Maximum Weight kg
					型 号 Type	功率 Power kW	
730 *	54.04	-49.0	28.9	48.1	Y315S-8	55	2840
		-53.9	26.5	52.6	Y315M-8	75	
		-58.8	23.6	57.1	Y315M-8	75	
970 *	71.8	-49.0	46.0	63.9	Y315S-6	75	2770
		-53.9	43.6	69.6	Y315M-6	90	
		-58.8	40.7	75.2	Y315M-6	90	
1170	86.61	-49.0	60.2	76.2	Y280M-4	90	2490
		-53.9	57.9	83.4	Y315S-4	110	
		-58.8	54.9	90.6	Y315S-4	110	
1250	92.53	-49.0	65.9	81.4	Y280M-4	90	2640
		-53.9	63.6	89.1	Y315S-4	110	
		-58.8	60.6	96.8	Y315S-4	110	
1350	99.94	-49.0	73.1	88.6	Y315S-4	110	2640
		-53.9	70.7	96.9	Y315S-4	110	
		-58.8	67.8	105.1	Y315M-4	132	
1450 *	106.8	-49.0	73.1	92.7	Y315S-4	110	2840
		-53.9	70.7	101.4	Y315M-4	132	
		-58.8	67.8	110.1	Y315M-4	132	

ZSH5-240V型罗茨真空泵性能参数表

PERFORMANCE DATA OF MODEL ZSH5-240V VACUUM PUMP

转速 Rotary Speed r/min	理论流量 Theoretical Capacity m ³ /min	真空度 Vacuum Degree kPa	流量 Capacity m ³ /min	轴功率 Shaft Power kW	电动机 Motor		最大重量 Unit Maximum Weight kg
					型 号 Type	功率 Power kW	
650	57.7	-49.0	38.1	53.0	Y315S-6	75	3320
		-53.9	36.0	57.5	Y315S-6	75	
		-58.8	33.6	62.0	Y315S-6	75	
		-63.7	30.9	67.0	Y315S-6	75	
		-68.6	27.6	72.0	Y315M-6	90	
730 *	64.8	-49.0	45.2	59.0	Y315M-8	75	3700
		-53.9	43.1	64.7	Y315M-8	75	
		-58.8	40.7	70.2	Y315L1-8	90	
		-63.7	38.0	75.3	Y315L1-8	90	
		-68.6	34.7	80.4	Y315L1-8	90	
800	71.1	-49.0	51.4	64.4	Y315S-6	75	3940
		-53.9	49.3	70.4	Y315M-6	90	
		-58.8	46.9	76.3	Y315M-6	90	
		-63.7	44.2	82.5	Y315L1-6	110	
		-68.6	40.9	88.6	Y315L1-6	110	
		-73.5	36.9	94.8	Y315L1-6	110	
880	78.1	-49.0	58.5	71.4	Y315M-6	90	4320
		-53.9	56.4	78.0	Y315M-6	90	
		-58.8	54.1	84.6	Y315L1-6	110	
		-63.7	51.3	89.2	Y315L1-6	110	
		-68.6	48.0	96.8	Y315L1-6	110	
		-73.5	44.0	103.6	Y315L2-6	132	
980 *	87.1	-49.0	67.4	79.0	Y315M-6	90	4320
		-53.9	65.3	86.5	Y315L1-6	110	
		-58.8	63.0	94.0	Y315L1-6	110	
		-63.7	60.2	101.5	Y315L2-6	132	
		-68.6	56.9	109.0	Y315L2-6	132	
		-73.5	52.9	116.5	Y315L2-6	132	
		-78.4	48.0	124.0	Y355M1-6	160	

注：1、*所示转速的真空泵采用联轴器传动，其余为皮带传动。

2、电机防护等级：IP44，电压380V。

3、 内性能点罗茨真空泵采用中间轴皮带轮传动

Notes: 1. Direct drive is adopted for model marked with "*", Belt drive is adopted for others.

2. Motor protection class IP44, voltage 380V.

3. Belt drive with counter shaft should be adopted for pump whose performance points are enclosed by the " ".

ZSH-V 系列单级干式高真空罗茨真空泵性能参数表

PERFORMANCE DATA OF SERIES ZSH-V ROTARY VACUUM PUMP

ZSH5-245V型罗茨真空泵性能参数表

PERFORMANCE DATA OF MODEL ZSH5-245V VACUUM PUMP

转速 Rotary Speed r/min	理论流量 Theoretical Capacity m ³ /min	真空度 Vacuum Degree kPa	流量 Capacity m ³ /min	轴功率 Shaft Power kW	电动机 Motor		最大重量 Unit Maximum Weight kg
					型 号 Type	功率 Power kW	
650	72.2	-49.0	48.0	66.0	Y315S-6	75	3320
		-53.9	45.8	72.0	Y315M-6	90	
		-58.8	43.0	78.0	Y315M-6	90	
		-63.7	39.5	83.5	Y315L1-6	110	
		-68.6	35.0	89.0	Y315L1-6	110	
730 *	81.1	-49.0	56.6	73.0	Y315L1-8	90	3700
		-53.9	54.4	80.0	Y315L1-8	90	
		-58.8	51.6	87.0	Y315L2-8	110	
		-63.7	48.1	94.0	Y315L2-8	110	
		-68.6	43.6	101.0	Y315M1-8	132	
800	88.9	-49.0	64.2	80.0	Y315M-6	90	3940
		-53.9	61.9	87.5	Y315L1-6	110	
		-58.8	59.1	95.0	Y315L1-6	110	
		-63.7	55.7	102.5	Y315L2-6	132	
		-68.6	51.1	110.0	Y315L2-6	132	
		-73.5	45.0	117.5	Y315L2-6	132	
880	97.7	-49.0	72.8	88.0	Y315L1-6	110	4320
		-53.9	70.5	96.5	Y315L1-6	110	
		-58.8	67.8	105.0	Y315L2-6	132	
		-63.7	64.3	113.0	Y315L2-6	132	
		-68.6	59.7	121.0	Y355M1-6	160	
		-73.5	53.6	129.5	Y355M1-6	160	
980 *	108.9	-49.0	83.6	99.0	Y315L1-6	110	4320
		-53.9	81.3	107.5	Y315L2-6	132	
		-58.8	78.5	116.0	Y315L2-6	132	
		-63.7	75.0	125.5	Y355M1-6	160	
		-68.6	70.5	135.0	Y355M1-6	160	
		-73.5	64.4	144.0	Y355M1-6	160	
		-78.4	55.6	153.0	Y355M2-6	185	

ZSH5-250V型罗茨真空泵性能参数表

PERFORMANCE DATA OF MODEL ZSH5-250V VACUUM PUMP

转速 Rotary Speed r/min	理论流量 Theoretical Capacity m ³ /min	真空度 Vacuum Degree kPa	流量 Capacity m ³ /min	轴功率 Shaft Power kW	电动机 Motor		最大重量 Unit Maximum Weight kg
					型 号 Type	功率 Power kW	
650	89.9	-49.0	61.5	81.0	Y315M-6	90	4340
		-53.9	58.9	88.0	Y315L1-6	110	
		-58.8	55.6	95.0	Y315L1-6	110	
		-63.7	51.5	103.0	Y315L2-6	132	
		-68.6	46.2	111.0	Y315L2-6	132	
730 *	100.9	-49.0	72.2	90.0	Y315L2-8	110	4760
		-53.9	69.6	98.5	Y315L2-8	110	
		-58.8	66.3	107.0	Y355M1-8	132	
		-63.7	62.3	115.5	Y355M1-8	132	
		-68.6	57.0	124.0	Y355M2-8	160	
800	110.6	-49.0	81.6	99.0	Y315L1-6	110	4720
		-53.9	79.0	108.0	Y315L2-6	132	
		-58.8	75.7	117.0	Y315L2-6	132	
		-63.7	71.6	126.5	Y355M1-6	160	
		-68.6	66.3	136.0	Y355M1-6	160	
		-73.5	59.2	145.5	Y355M1-6	160	
		-78.4	51.1	155.0	Y355M1-6	160	
880	121.7	-49.0	92.3	109.0	Y315L2-6	132	4830
		-53.9	89.7	119.5	Y315L2-6	132	
		-58.8	86.4	130.0	Y355M1-6	160	
		-63.7	82.4	139.5	Y355M1-6	160	
		-68.6	77.1	149.0	Y355M2-6	185	
		-73.5	69.9	159.5	Y355M2-6	185	
		-78.4	61.7	170.0	Y355M2-6	185	
980 *	135.5	-49.0	105.7	121.0	Y355M1-6	160	5000
		-53.9	103.1	132.5	Y355M1-6	160	
		-58.8	99.8	144.0	Y355M1-6	160	
		-63.7	95.8	155.5	Y355M2-6	185	
		-68.6	90.5	167.0	Y355M2-6	185	
		-73.5	83.3	178.0	Y355M3-6	200	
		-78.4	73.0	189.0	Y355L1-6	220	
		-83.3	63.0	200.0	Y355L1-6	220	

注：1、*所示转速的真空泵采用联轴器传动，其余为皮带传动。

2、电机防护等级：IP44，电压380V。

Notes: 1. Direct drive is adopted for model marked with "*", Belt drive is adopted for others.

2. Motor protection class IP44, voltage 380V.

ZSH-V 系列单级干式高真空罗茨真空泵性能参数表

PERFORMANCE DATA OF SERIES ZSH-V ROTARY VACUUM PUMP

ZSH5-290V型罗茨真空泵性能参数表

PERFORMANCE DATA OF MODEL ZSH5-290V VACUUM PUMP

转速 Rotary Speed r/min	理论流量 Theoretical Capacity m ³ /min	真空度 Vacuum Degree kPa	流量 Capacity m ³ /min	轴功率 Shaft Power kW	电动机 Motor		最大重量 Unit Maximum Weight kg
					型 号 Type	功率 Power kW	
650	105.9	-49.0	74.6	94.0	Y315L1-6	110	4940
		-53.9	71.8	103.0	Y315L2-6	132	
		-58.8	68.2	112.0	Y315L2-6	132	
		-63.7	63.8	121.0	Y355M1-6	160	
		-68.6	58.0	130.0	Y355M1-6	160	
730 *	119.0	-49.0	87.3	107.0	Y355M1-8	132	5600
		-53.9	84.4	116.5	Y355M1-8	132	
		-58.8	80.9	126.0	Y355M2-8	160	
		-63.7	76.4	136.0	Y355M2-8	160	
		-68.6	70.6	146.0	Y355M2-8	160	
		-73.5	62.7	156.0	Y355L1-8	185	
800	130.3	-49.0	98.3	116.0	Y315L2-6	132	5400
		-53.9	95.5	127.5	Y355M1-6	160	
		-58.8	91.9	139.0	Y355M1-6	160	
		-63.7	87.5	149.5	Y355M2-6	185	
		-68.6	81.7	160.0	Y355M2-6	185	
		-73.5	73.8	171.0	Y355M3-6	200	
880	143.4	-49.0	111.0	126.8	Y355M1-6	160	5430
		-53.9	108.1	138.7	Y355M1-6	160	
		-58.8	104.6	150.6	Y355M2-6	185	
		-63.7	100.1	162.5	Y355M2-6	185	
		-68.6	94.3	174.3	Y355M3-6	200	6300
		-73.5	86.4	186.2	Y355L1-6	220	
		-78.4	75.2	198.1	Y355L1-6	220	
980 *	159.8	-49.0	126.8	140.2	Y355M1-6	160	5680
		-53.9	123.9	153.2	Y355M2-6	185	
		-58.8	120.4	166.1	Y355M2-6	185	
		-63.7	115.9	179.5	Y355L1-6	220	
		-68.6	110.1	192.2	Y355L1-6	220	
		-73.5	102.2	206.4	Y355L2-6	250	
		-78.4	91.0	219.8	Y355L2-6	250	

ZSH5-295V型罗茨真空泵性能参数表

PERFORMANCE DATA OF MODEL ZSH5-295V VACUUM PUMP

转速 Rotary Speed r/min	理论流量 Theoretical Capacity m ³ /min	真空度 Vacuum Degree kPa	流量 Capacity m ³ /min	轴功率 Shaft Power kW	电动机 Motor		最大重量 Unit Maximum Weight kg
					型 号 Type	功率 Power kW	
650	112.3	-49.0	80.2	99.0	Y315L1-6	110	4940
		-53.9	76.8	108.5	Y315L2-6	132	
		-58.8	73.1	118.0	Y315L2-6	132	
		-63.7	68.7	127.5	Y355M1-6	160	
		-68.6	63.5	137.0	Y355M1-6	160	
730 *	126.1	-49.0	94.3	112.0	Y355M1-8	132	5600
		-53.9	90.6	122.0	Y355M2-8	160	
		-58.8	86.8	132.0	Y355M2-8	160	
		-63.7	82.5	143.0	Y355M2-8	160	
		-68.6	77.3	154.0	Y355L1-8	185	
		-73.5	71.0	164.5	Y355L1-8	185	
800	138.1	-49.0	106.1	122.0	Y355M1-6	160	5400
		-53.9	102.7	134.0	Y355M1-6	160	
		-58.8	99.0	146.0	Y355M1-6	160	
		-63.7	94.6	157.0	Y355M2-6	185	5750
		-68.6	89.4	168.0	Y355M2-6	185	
		-73.5	83.1	179.5	Y355M3-6	200	
880	152.0	-49.0	120.0	134.0	Y355M1-6	160	5430
		-53.9	116.6	147.0	Y355M2-6	185	
		-58.8	112.8	160.0	Y355M2-6	185	
		-63.7	108.4	172.5	Y355M3-6	200	6000
		-68.6	103.3	185.0	Y355L1-6	220	
		-73.5	96.9	198.0	Y355L1-6	220	
		-78.4	88.8	211.0	Y355L2-6	250	
980 *	169.3	-49.0	137.2	150.0	Y355M2-6	185	5350
		-53.9	133.8	164.0	Y355M2-6	185	
		-58.8	130.1	178.0	Y355M3-6	200	
		-63.7	125.7	192.0	Y355L1-6	220	
		-68.6	120.5	206.0	Y355L2-6	250	
		-73.5	114.2	220.0	Y355L2-6	250	
		-78.4	106.1	234.0	Y400-6	280	

注：1、*所示转速的真空泵采用联轴器传动，其余为皮带传动。

2、电机防护等级：IP44，电压380V。

3、 内性能点罗茨真空泵采用中间轴皮带轮传动

Notes: 1. Direct drive is adopted for model marked with "*", Belt drive is adopted for others.

2. Motor protection class IP44, voltage 380V.

3. Belt drive with counter shaft should be adopted for pump whose performance points are enclosed by the .

ZSH-V 系列单级干式高真空罗茨真空泵性能参数表

PERFORMANCE DATA OF SERIES ZSH-V ROTARY VACUUM PUMP

ZSH5-300V型罗茨真空泵性能参数表

PERFORMANCE DATA OF MODEL ZSH5-300V VACUUM PUMP

转速 Rotary Speed r/min	理论流量 Theoretical Capacity m ³ /min	真空度 Vacuum Degree kPa	流量 Capacity m ³ /min	轴功率 Shaft Power kW	电动机 Motor		最大重量 Unit Maximum Weight kg
					型号 Type	功率 Power kW	
650	138.0	-49.0	98.5	122.0	Y355M1-6	160	5730
		-53.9	94.9	133.5	Y355M1-6	160	
		-58.8	90.4	145.0	Y355M1-6	160	
		-63.7	84.8	156.5	Y355M2-6	185	
		-68.6	77.5	168.0	Y355M2-6	185	6430
730 *	155.0	-49.0	115.0	137.0	Y355M2-8	160	7100
		-53.9	111.4	150.0	Y355L1-8	185	
		-58.8	106.9	163.0	Y355L1-8	185	
		-63.7	101.3	175.5	Y355L2-8	200	
		-68.6	93.9	188.0	Y400-8 ●	220	
800	169.9	-73.5	84.0	201.0	Y400-8 ●	220	6650
		-49.0	129.4	150.0	Y355M2-6	185	
		-53.9	125.8	164.0	Y355M2-6	185	
		-58.8	121.3	178.0	Y355M3-6	200	
		-63.7	115.7	192.5	Y355L1-6	220	
880	186.9	-68.6	108.4	207.0	Y355L2-6	250	7700
		-73.5	98.5	221.0	Y355L2-6	250	
		-49.0	145.8	165.0	Y355M2-6	185	
		-53.9	142.2	180.0	Y355M3-6	200	
		-58.8	137.8	197.0	Y355L1-6	220	
980 *	208.2	-63.7	132.1	212.5	Y355L2-6	250	7100
		-68.6	124.8	228.0	Y355L2-6	250	
		-73.5	114.9	243.5	Y400-6 ●	280	
		-78.4	100.8	259.0	Y400-6 ●	315	
		-49.0	166.4	184.0	Y355M3-6	200	
		-53.9	162.8	201.0	Y355L1-6	220	
		-58.8	158.3	218.0	Y355L2-6	250	
		-63.7	152.7	235.5	Y400-6 ●	280	
		-68.6	145.4	253.0	Y400-6 ●	280	
		-73.5	135.5	270.0	Y400-6 ●	315	
		-78.4	121.3	287.0	Y400-6 ●	315	

ZSH5-350V型罗茨真空泵性能参数表

PERFORMANCE DATA OF MODEL ZSH5-350V VACUUM PUMP

转速 Rotary Speed r/min	理论流量 Theoretical Capacity m ³ /min	真空度 Vacuum Degree kPa	流量 Capacity m ³ /min	轴功率 Shaft Power kW	电动机 Motor		最大重量 Unit Maximum Weight kg
					型号 Type	功率 Power kW	
650	163.6	-49.0	113.9	144.0	Y315M1-6	160	6130
		-53.9	109.3	157.5	Y315M2-6	185	
		-58.8	103.6	171.0	Y355M3-6	200	
		-68.6	90.4	188.0	Y355M2-6	185	
730 *	183.8	-49.0	133.4	162.0	Y355L1-8	185	6440
		-53.9	128.8	177.0	Y355L2-8	200	
		-58.8	123.2	192.0	Y355L3-8	220	
800	201.3	-49.0	150.5	177.0	Y355M3-6	200	6210
		-53.9	145.9	193.5	Y355L1-6	220	
		-58.8	140.3	210.0	Y355L2-6	250	
880	221.6	-49.0	170.1	195.0	Y355M3-6	220	6210
		-53.7	165.5	212.0	Y355L2-6	250	
		-58.8	159.8	231.0	Y355L1-6	280	
980 *	246.7	-49.0	194.5	216.0	Y355L2-6	250	7500
		-53.7	189.9	236.5	Y400-6 ●	280	
		-58.8	184.2	257.0	Y400-6 ●	280	

注：1、*所示转速的真空泵采用联轴器传动，其余为皮带传动。

2、■表示该电机防护等级IP23，●表示该电机为6000V高压电机，其余电机防护等级IP44，电压380V。

3、□内性能点罗茨真空泵采用中间轴皮带轮传动

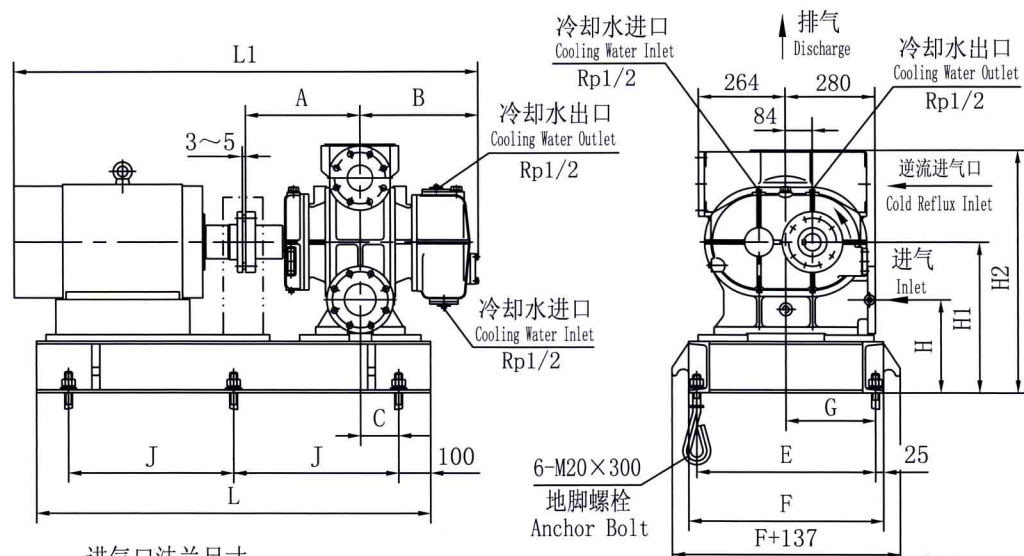
Notes: 1. Direct drive is adopted for model marked with "*", Belt drive is adopted for others.

2. Motor protection class IP23 for types marked with "■", 6000V high voltage for types with "●", IP44 and 380V for others.

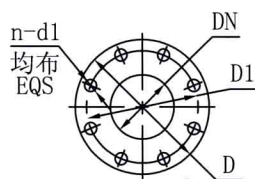
3. Belt drive with counter shaft should be adopted for pump whose performance points are enclosed by the "□".

ZSH3-V 系列罗茨真空泵联轴器直联传动外形图

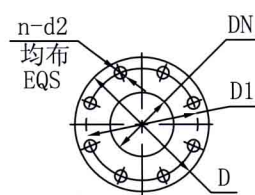
DIRECT DRIVE OUTLINE DRAWING FOR MODEL ZSH3-V VACUUM PUMP



进气口法兰尺寸
Inlet Flange Size

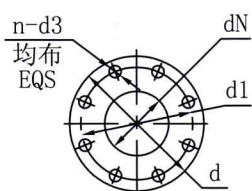


排气口法兰尺寸
Outlet Flange Size



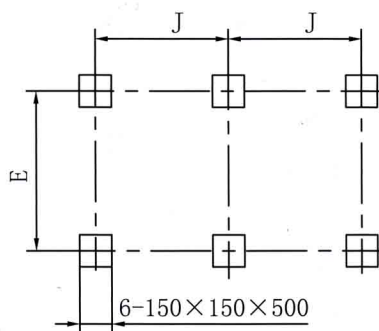
逆流进气口法兰尺寸
Cold Reflux Inlet Flange Size

Cold Reflux Inlet Flange Size



地脚螺栓孔布置图
Anchor Bolt Hole Arrangement Diagram

Anchor Bolt Hole Arrangement Diagram



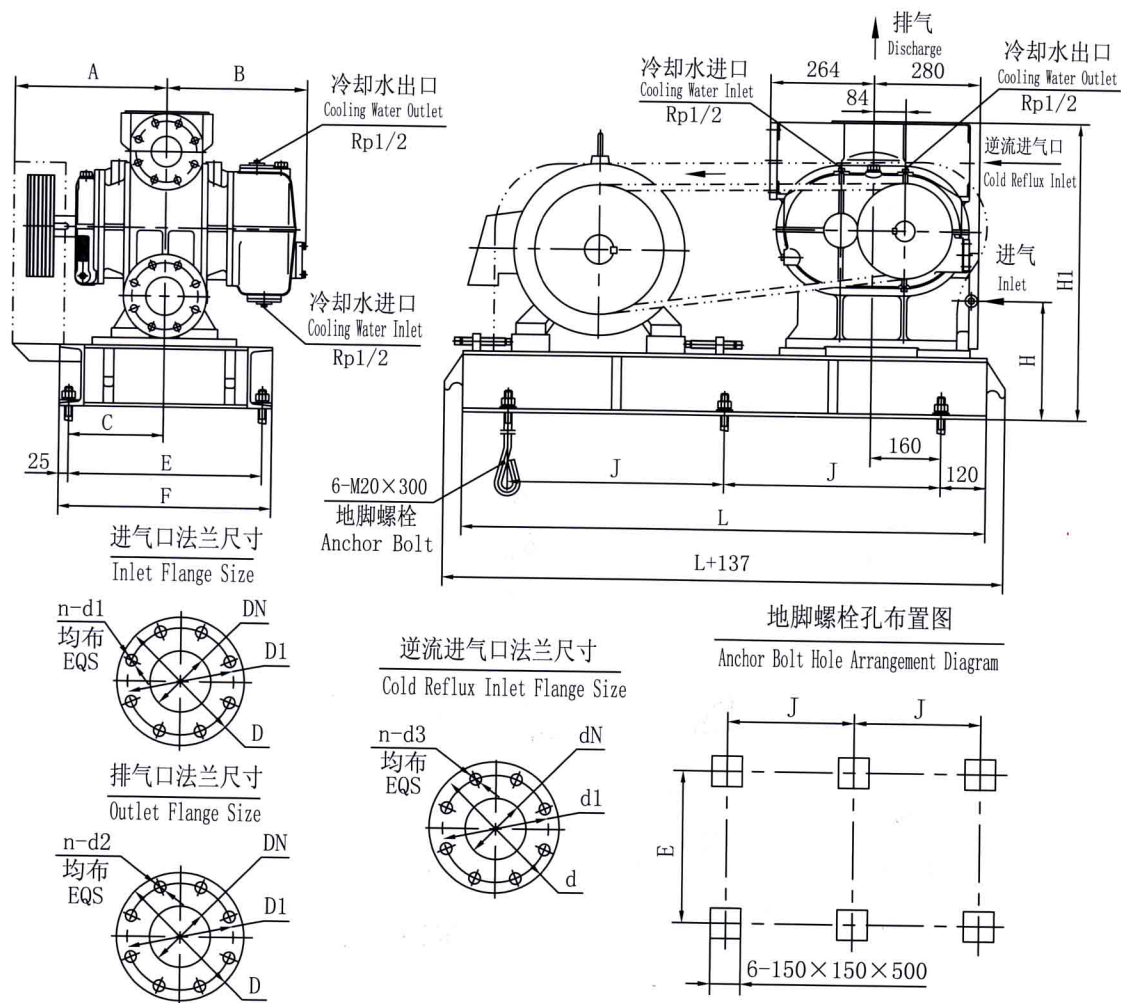
主机型号 Blower type	电机 Motor	A	B	C	E	F	G	J	L	L1 (max)	H	H1	H2	DN	D1	D	n-d1	n-d2	dN	d1	d	n-d3
ZSH3-100V	Y160, Y180	365	362	120	560	610	290	500	1200	1442	290	470	755	φ100	φ180	φ220			φ80	φ160	φ200	
ZSH3-125V	Y180, Y200	400	397	125	580	630	325	550	1300	1582				φ125			8-φ18	8-M16	φ100	φ180	φ220	8-M16
ZSH3-127V 130V	Y180, Y200 Y225	490	457	170	615	665	350	630	1460	1802		310	490	815	φ130	φ250						
ZSH3-150V	Y200, Y225	530	497	205	590	640	335	670	1540	1882	330	480	910	φ150	φ240	φ285	8-M20	8-M20	φ125	φ210	φ250	

备注:冷却水进口温度:≤25℃, 冷却水压力:196~294kPa, 冷却水进口流量:8~10L/min

Note: Cooling water temperature: ≤25℃, Cooling water pressure: 196~294kPa, Cooling water flow: 8~10L/min

ZSH3-V 型罗茨真空泵皮带轮传动外形图

BELT DRIVE OUTLINE DRAWING FOR MODEL ZSH3-V VACUUM PUMP



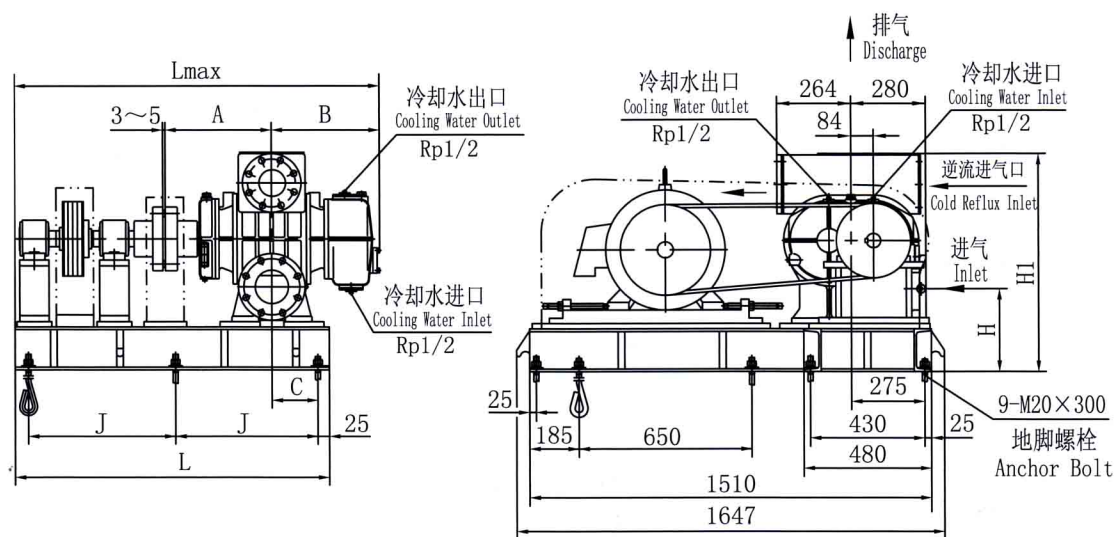
主机型号 Blower type	电机 Motor	A	B	C	E	F	J	L	H	H1	DN	D1	D	n-d1	n-d2	dN	d1	d	n-d3
ZSH3-100V	Y160, Y180	400	362	250	510	560	495	1230	290	755	φ 100	φ 180	φ 220				φ 80	φ 160	φ 200
	Y200			240	550	600	520	1280											
ZSH3-125V	Y160, Y180	440	397	255	550	600	520	1280	310	815	φ 125	φ 210	φ 250	8-φ 18	8-M16				
	Y200, Y225						560	1360											
ZSH3-127V 130V	Y180, Y200	525	457	360	600	650	560	1360	310	815	φ 130	φ 210	φ 250				φ 100	φ 180	φ 220
	Y225						620	1480											
ZSH3-150V	Y200, Y225	565	497	395	660	710	560	1360	330	910	φ 150	φ 240	φ 285	8-M20	8-M20	φ 125	φ 210	φ 250	
	Y250						620	1480											

备注:冷却水进口温度:≤25℃, 冷却水压力:196~294kPa, 冷却水进口流量:8~10L/min

Note: Cooling water temperature: ≤25℃, Cooling water pressure: 196~294kPa, Cooling water flow: 8~10L/min

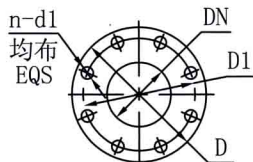
ZSH3-V 型罗茨真空泵中间轴皮带轮传动外形图

OUTLINE DRAWING OF BELT DRIVE WITH COUNTER SHAFT FOR MODEL ZSH3-V VACUUM PUMP



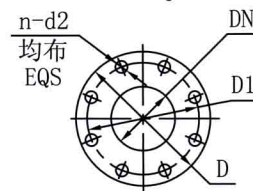
进气口法兰尺寸

Inlet Flange Size



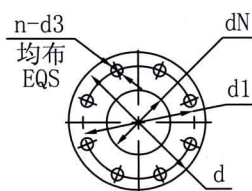
排气口法兰尺寸

Outlet Flange Size



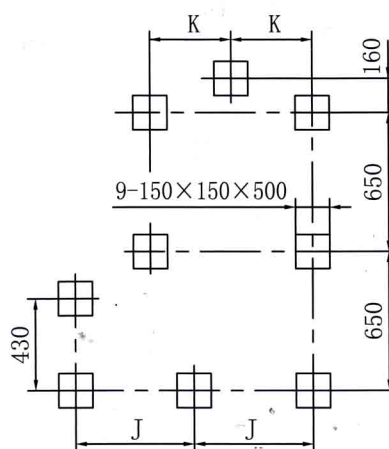
逆流进气口法兰尺寸

Cold Reflux Inlet Flange Size



地脚螺栓孔布置图

Anchor Bolt Hole Arrangement Diagram



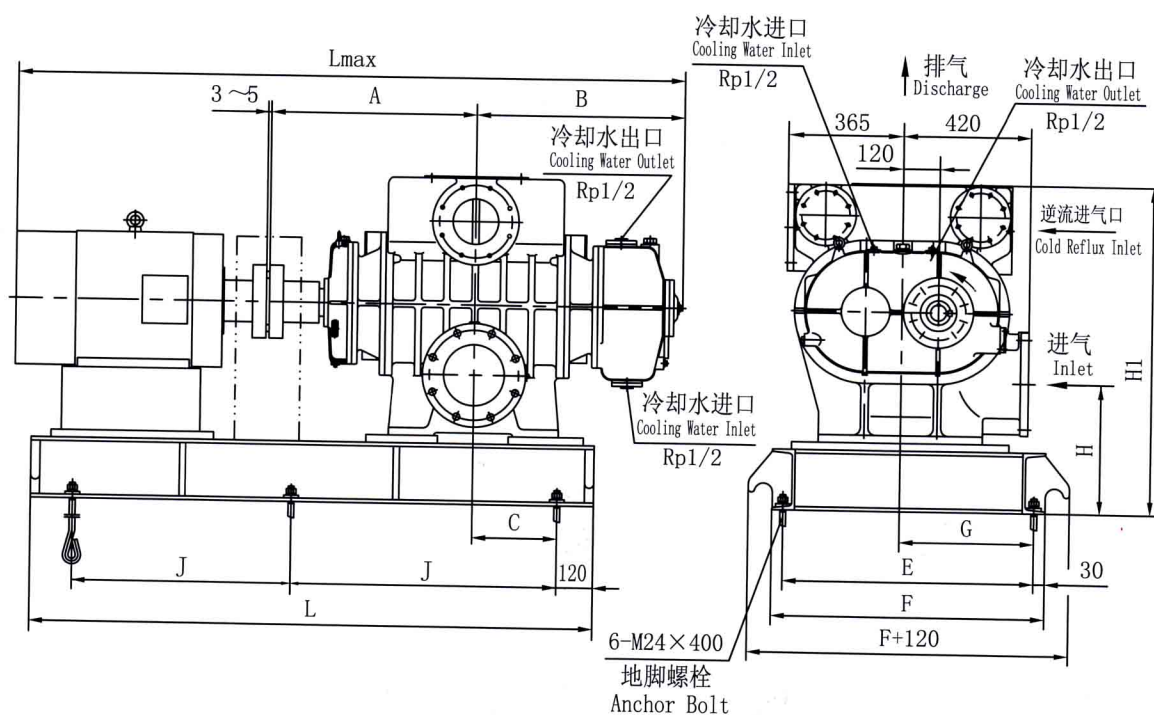
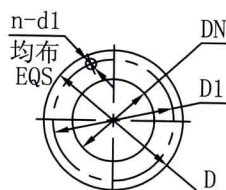
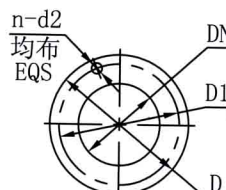
主机型号 Blower type	电机 Motor	A	B	C	H	H1	J	K	L	L_{max}	DN	D1	D	n-d1	n-d2	dN	d1	d	n-d3
ZSH3-130V	Y225, Y250 Y280	490	457	250	310	815	625	455	1330	1520	φ130	φ210	φ250	8-φ18	8-M16	φ100	φ180	φ220	8-M16
ZSH3-150V	Y250	530	497	280	330	830	660	490	1400	1600	φ150	φ240	φ285	8-M20	8-M20	φ125	φ210	φ250	

备注:冷却水进口温度:≤25℃, 冷却水压力:196~294kPa, 冷却水进口流量:8~10L/min

Note: Cooling water temperature: ≤25℃, Cooling water pressure: 196~294kPa, Cooling water flow: 8~10L/min

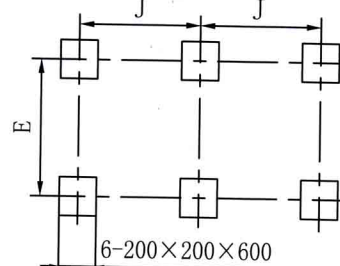
ZSH4-V 型罗茨真空泵联轴器直联传动外形图

DIRECT DRIVE OUTLINE DRAWING FOR MODEL ZSH4-V VACUUM PUMP

进气口法兰尺寸
Inlet Flange Size排气口法兰尺寸
Outlet Flange Size逆流进气口法兰尺寸
Cold Reflux Inlet Flange Size

地脚螺栓孔布置图

Anchor Bolt Hole Arrangement Diagram



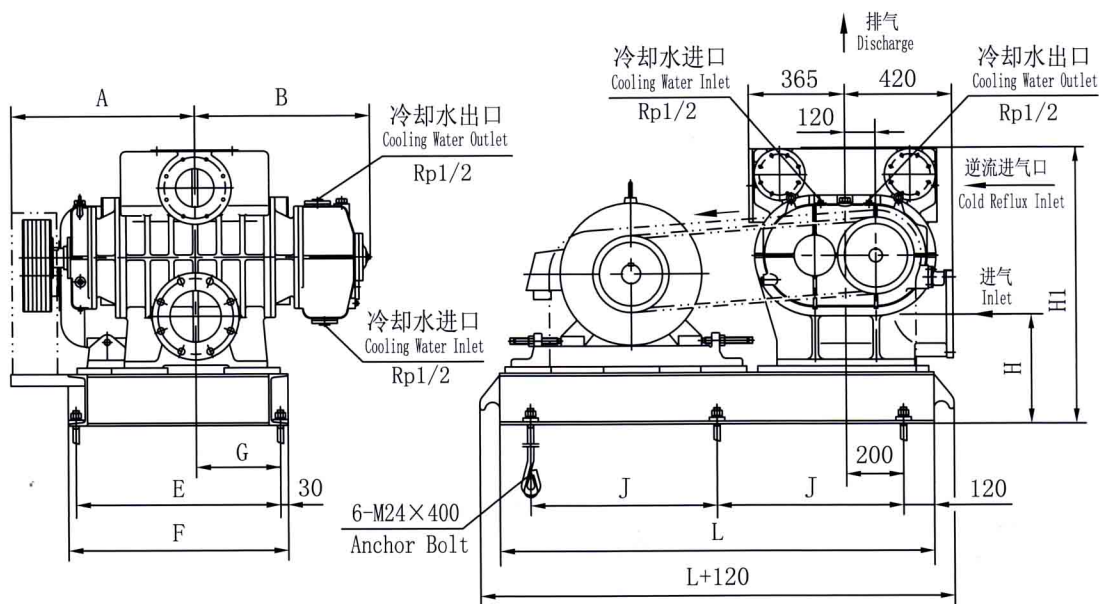
主机型号 Blower type	电机 Motor	A	B	C	E	F	G	H	H1	J	L	Lmax	DN	D1	D	n-d1	n-d2	dN	d1	d	n-d3
ZSH4-140V	Y225, Y250	510	525	105	705	765	385	350	970	645	1530	2040	φ155	φ240	φ285	8-M20	8-M20	φ125	φ210	φ250	8-M16
ZSH4-145V	Y280	535	550							685	1610	2140									
ZSH4-150V	Y225, Y250 Y280	535	590	140	802	862	482	360	1000	753	1745	2185	φ155	φ240	φ285	8-φ22	8-M20	φ125	φ210	φ250	8-M16
ZSH4-190V 200V	Y250, Y280 Y315	675	685	230				400	1050	892	2025	2705									
ZSH4-250V	Y315	750	760	315				410	1055	972	2185	2855									

备注:冷却水进口温度:≤25℃, 冷却水压力:196~294kPa, 冷却水进口流量:10~13L/min

Note: Cooling water temperature: ≤25℃, Cooling water pressure: 196~294kPa, Cooling water flow: 10~13L/min

ZSH4-V 型罗茨真空泵皮带轮传动外形图

BELT DRIVE OUTLINE DRAWING FOR MODEL ZSH4-V VACUUM PUMP

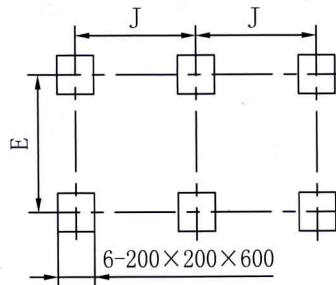
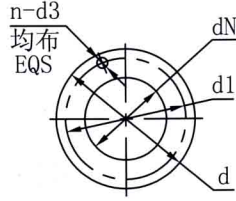
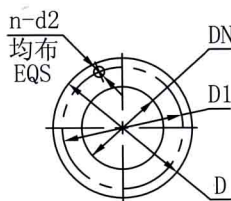
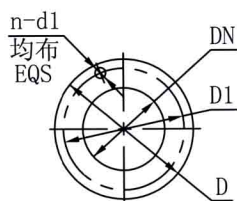


进气口法兰尺寸
Inlet Flange Size

排气口法兰尺寸
Outlet Flange Size

逆流进气口法兰尺寸
Cold Reflux Inlet Flange Size

地脚螺栓孔布置图
Anchor Bolt Hole Arrangement Diagram



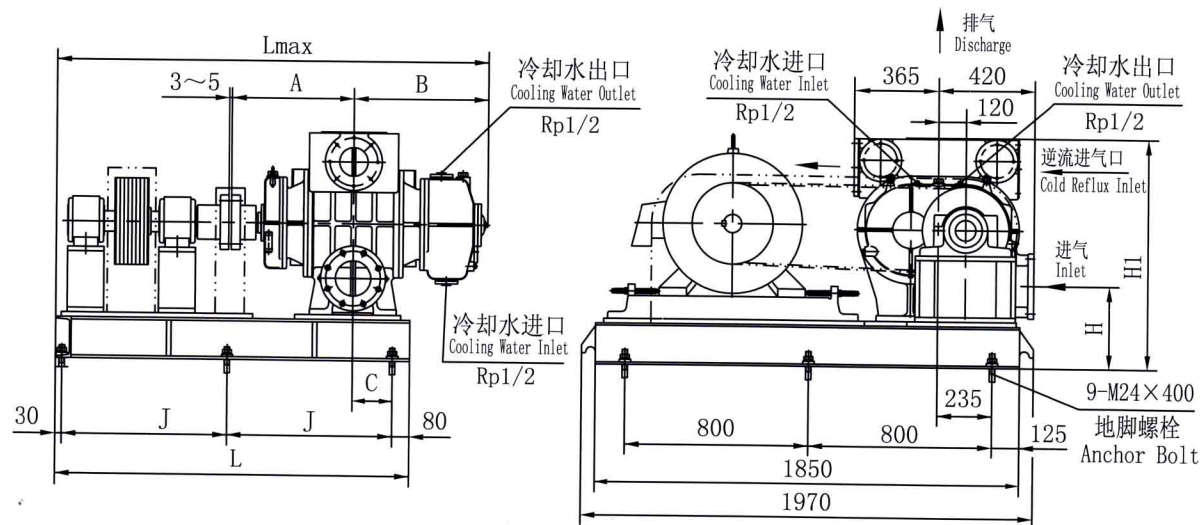
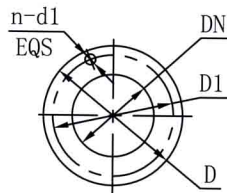
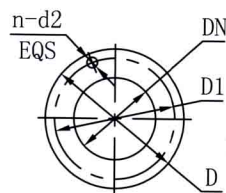
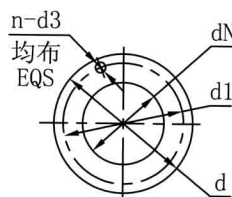
主机型号 Blower type	电机 Motor	A	B	E	F	G	H	H1	J	L	DN	D1	D	n-d1	n-d2	dN	d1	d	n-d3
ZSH4-140V	Y200, Y225	560	525	540	600	180	350	970	630	1500	φ 155	φ 240	φ 285	8-M20	8-M20	φ 125	φ 210	φ 250	8-M16
	Y250	580		550	610	240			680	1600									
ZSH4-145V	Y225	560	550	540	600	180	360	1000	630	1500	φ 200	φ 295	φ 340	8-M20	12-M20	φ 200	φ 295	φ 340	8-M16
	Y250, Y280	580		550	610	240			680	1600									
ZSH4-150V	Y225	560	590	575	635	215	360	1000	630	1500	φ 200	φ 295	φ 340	8-M20	12-M20	φ 200	φ 295	φ 340	8-M16
	Y250, Y280	580		650	710	335			705	1650									
ZSH4-190V 200V	Y250, Y280 Y315	720	685	740	800	300	400	1050	730	1700	φ 200	φ 295	φ 340			φ 150	φ 240	φ 285	
ZSH4-250V	Y280, Y315	800	760	940	1000	390	410	1055	755	1750	φ 250	φ 350	φ 395	12-φ 22	12-M20	φ 200	φ 295	φ 340	

备注:冷却水进口温度:≤25℃, 冷却水压力:196~294kPa, 冷却水进口流量:10~13L/min

Note: Cooling water temperature: ≤25℃, Cooling water pressure: 196~294kPa, Cooling water flow: 10~13L/min

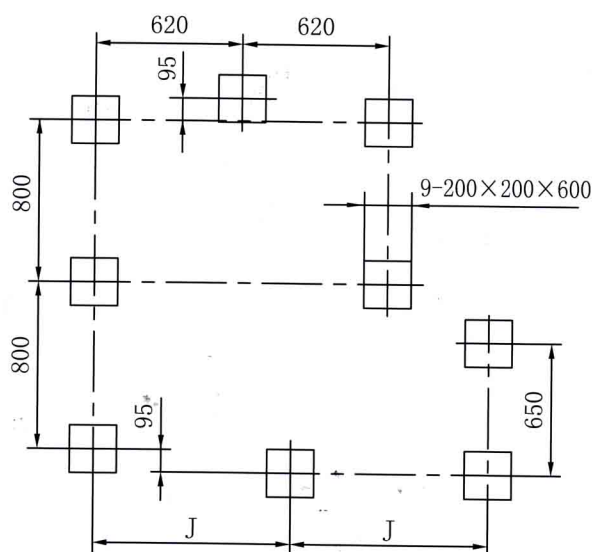
ZSH4-V 型罗茨真空泵中间轴皮带轮传动外形图

OUTLINE DRAWING OF BELT DRIVE WITH COUNTER SHAFT FOR MODEL ZSH4-V VACUUM PUMP

进气口法兰尺寸
Inlet Flange Size排气口法兰尺寸
Outlet Flange Size逆流进气口法兰尺寸
Cold Reflux Inlet Flange Size

地脚螺栓孔布置图

Anchor Bolt Hole Arrangement Diagram



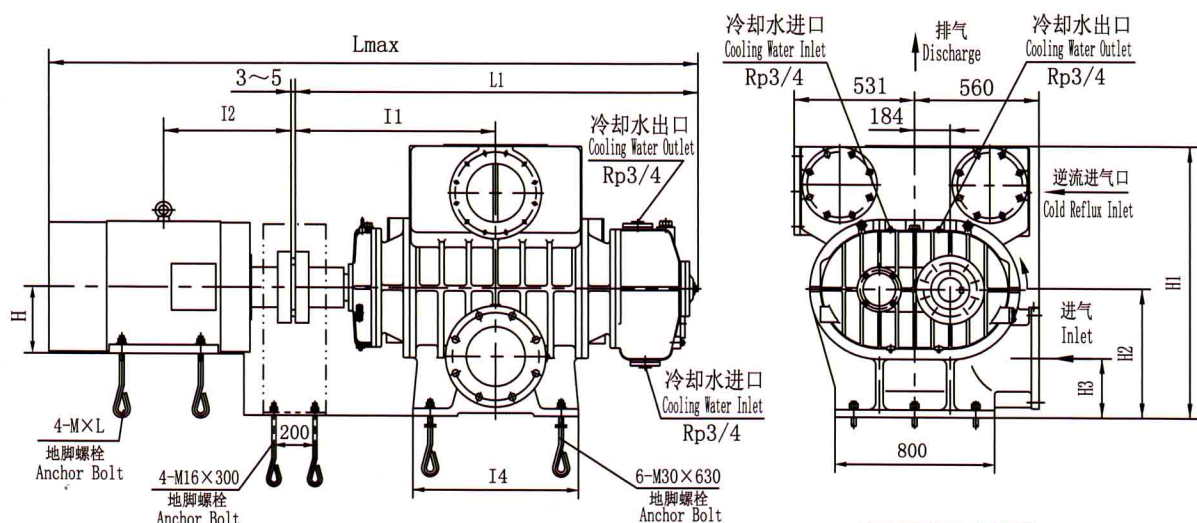
主机型号 Blower type	电机 Motor	A	B	C	H	H1	J	L	Lmax	DN	D1	D	n-d1	n-d2	dN	d1	d	n-d3
ZSH4-190V 200V	Y280, Y315	675	685	250	400	1050	835	1780	2135	φ 200	φ 295	φ 340	8-φ 22	8-M20	φ 150	φ 240	φ 285	8-M16
ZSH4-250V	Y315	750	760	335	410	1055	915	1940	2285	φ 250	φ 350	φ 395	12-φ 22	12-M20	φ 200	φ 295	φ 340	

备注:冷却水进口温度:≤25℃, 冷却水压力:196~294kPa, 冷却水进口流量:10~13L/min

Note: Cooling water temperature: ≤25℃, Cooling water pressure: 196~294kPa, Cooling water flow: 10~13L/min

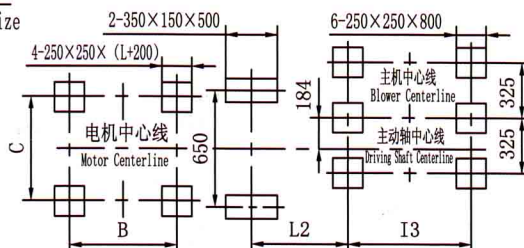
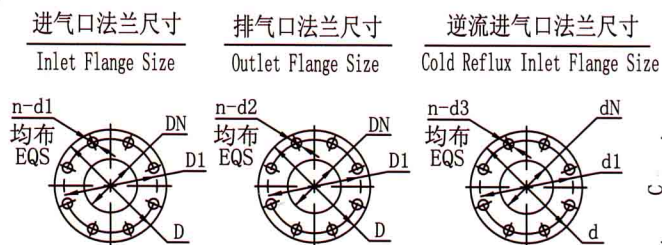
ZSH5-V 型罗茨真空泵联轴器直联外形图

DIRECT DRIVE OUTLINE DRAWING FOR MODEL ZSH5-V VACUUM PUMP



地脚螺栓孔布置图

Anchor Bolt Hole Arrangement Diagram



罗茨真空泵尺寸表 (Dimension of Vacuum Pump)

主机型号 Blower type	L1	L2	I1	I3	I4	H1	H2	H3	L (max)	DN	D1	D	n-d1	n-d2	dN	d1	d	n-d3
ZSH5-240V 245V	1540	532	730	400	480	1150	570	210	3120	φ 250	φ 350	φ 395	12-M20	12-M20	φ 200	φ 295	φ 340	8-M20
ZSH5-250V	1650	557	785	460	590	1180	600	220	3230	φ 250	φ 350	φ 395	12-φ 22					
ZSH5-290V 295V	1790	557	855	600	730	1290	600	230	3370	φ 300	φ 400	φ 445	12-φ 22					
ZSH5-300V	1950	582	935	710	860	1300	630	250	4355	φ 300	φ 400	φ 445	12-φ 22	16-M20	φ 250	φ 350	φ 395	12-M20
ZSH5-350V	2115	572	1020	900	1050	1430	640	260	4535	φ 350	φ 460	φ 505	16-φ 22					

配套电机尺寸表 (Dimension of Motor)

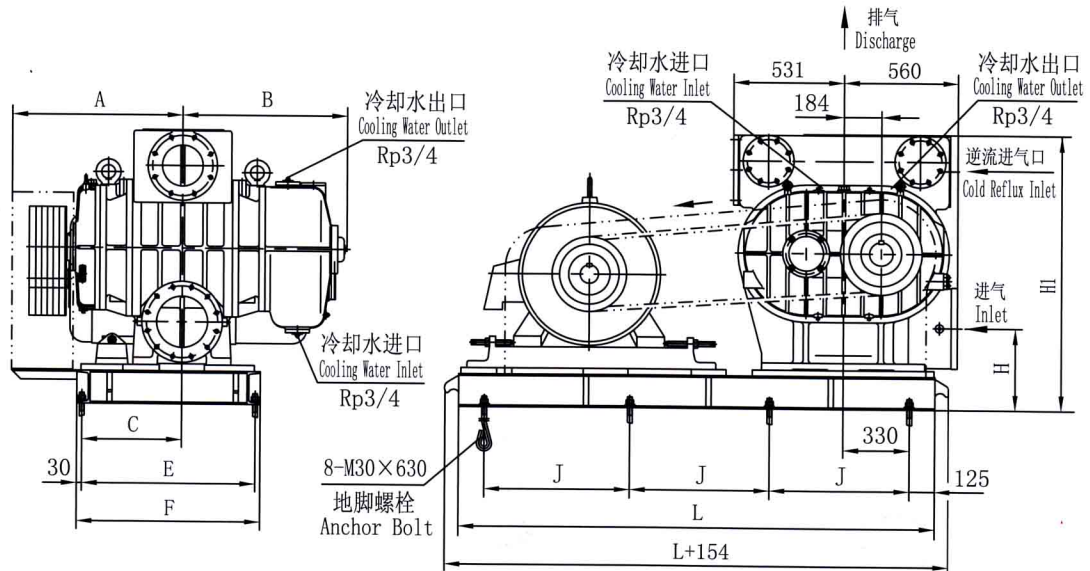
电机型号 Motor	Y315			Y355		Y400
	S	M	L	M	L	
B	406	457	508	560	630	1000
C	508			610		710
H	315			355		400
MXL	M24X400					M30X630
I2	594	620	645	709	744	1050

备注:冷却水进口温度:≤25℃, 冷却水压力:196~294kPa, 冷却水进口流量:15~18L/min

Note: Cooling water temperature: ≤25℃, Cooling water pressure: 196~294kPa, Cooling water flow: 15~18L/min

ZSH5-V 型罗茨真空泵皮带轮传动外形图

BELT DRIVE OUTLINE DRAWING FOR MODEL ZSH5-V VACUUM PUMP

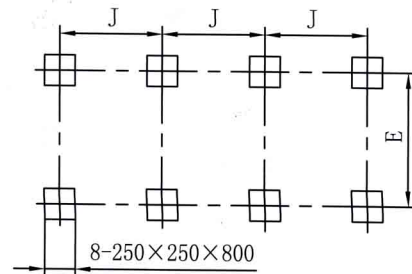
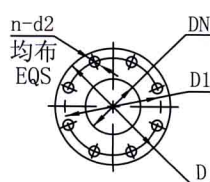
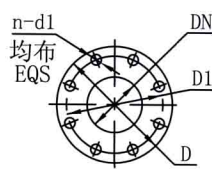


进气口法兰尺寸
Inlet Flange Size

排气口法兰尺寸
Outlet Flange Size

逆流进气口法兰尺寸
Cold Reflux Inlet Flange Size

地脚螺栓孔布置图
Anchor Bolt Hole Arrangement Diagram



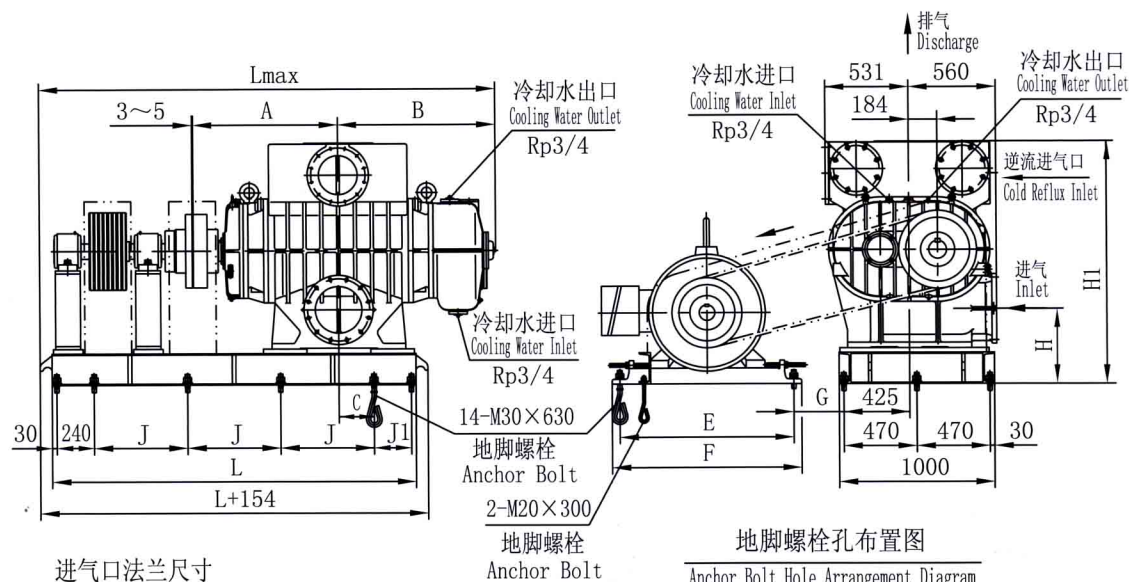
主机型号 Blower type	电机 Motor	A	B	C	E	F	J	L	H	H1	DN	D1	D	n-d1	n-d2	dN	d1	d	n-d3
ZSH5-240V 245V	Y315, Y355	835	810	505	860	920	710	2380	440	1380	φ250	φ350	φ395	12-M20					
ZSH5-250V	Y315, Y355	890	865	565	890	950	710	2380	450	1410	φ250	φ350	φ395	12-φ22		φ200	φ295	φ340	8-M20
ZSH5-290V 295V	Y315, Y355	960	935	590	990	1050	710	2380	460	1520	φ300	φ400	φ445	12-φ22	12-M20				
ZSH5-300V	Y315, Y355	1045	1015	665	1120	1180	710	2380	480	1530	φ300	φ400	φ445	12-φ22		φ250	φ350	φ395	12-M20
ZSH5-350V	Y315, Y355	1130	1095	780	1330	1390	710	2380	490	1660	φ350	φ460	φ505	16-φ22	16-M20	φ300	φ400	φ445	

备注:冷却水进口温度:≤25℃, 冷却水压力:196~294kPa, 冷却水进口流量:15~18L/min

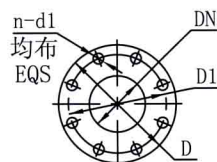
Note: Cooling water temperature: ≤25℃, Cooling water pressure: 196~294kPa, Cooling water flow: 15~18L/min

ZSH5-V 型罗茨真空泵中间轴皮带轮传动外形图

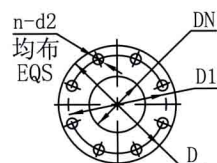
OUTLINE DRAWING OF BELT DRIVE WITH COUNTER SHAFT FOR MODEL ZSH5-V VACUUM PUMP



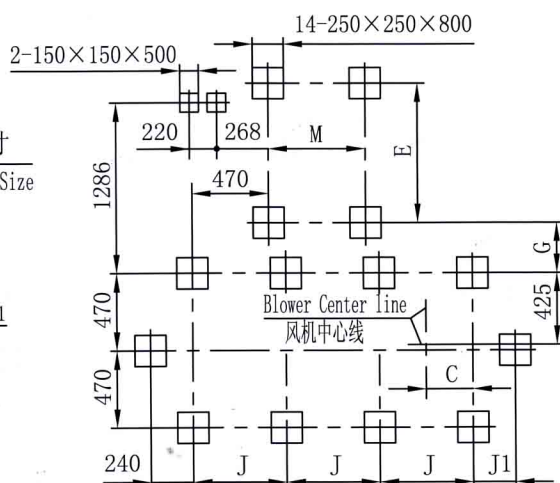
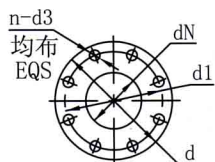
进气口法兰尺寸
Inlet Flange Size



排气口法兰尺寸
Outlet Flange Size



逆流进气口法兰尺寸
Cold Reflux Inlet Flange Size



主机型号 Blower type	电机 Motor	A	B	C	E	F	G	H	H1	J	J1	L	M	Lmax	DN	D1	D	n-d1	n-d2	dN	d1	d	n-d3
ZSH5-290V 295V	Y355M	855	935	155				460	1520	550	245	2195	560	2777									
	Y355L				1120	1220	320						630		φ 300	φ 400	φ 445	12-φ 22	12-M20	φ 250	φ 340	φ 395	12-M20
ZSH5-300V	Y355M							480	1530	600	240	2340	560	2937									
	Y355L	935	1015	225									630										
	Y400				800	1300	470						1000										
ZSH5-350V	Y355M	1020	1095	320	1120	1220	320	490	1660	660	240	2520	560	3102	φ 350	φ 460	φ 505	16-φ 22	16-M20	φ 300	φ 400	φ 445	12-M20
	Y355L												630										

备注:冷却水进口温度:≤25℃, 冷却水压力:196~294kPa, 冷却水进口流量:15~18L/min

Note: Cooling water temperature: ≤25℃, Cooling water pressure: 196~294kPa, Cooling water flow: 15~18L/min

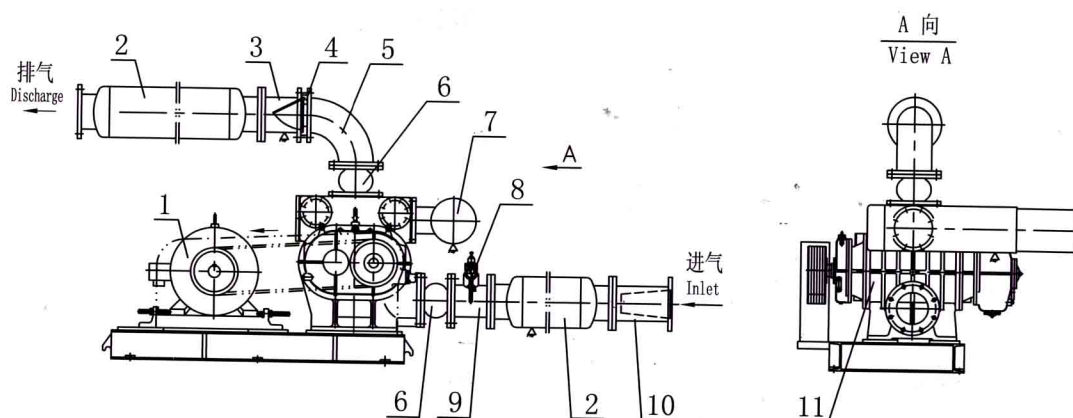
有关技术资料

RELATIVE TECHNICAL DATA

机 型 Type	主机重量 Blower Weight (kg)	主机轴 GD ² Main Shaft GD ² (kg. m ²)	起动力矩 Start Torque (kg. m)	冷却水要求 Cooling Water request	冷却水量 Cooling Water Flowratio (L/min)	润滑油量 Lubncation Oil Capacity (L)	
						驱动侧轴承箱 Secondary Oil Tank	齿轮箱 Main Oil Tank
ZSH3-100V	330	1.5	2	冷却水压力: 196~294kPa (2~3kg/cm ²) 冷却水温度≤25℃	8~10	1.1 (空冷) (Air Cooling)	2.7 (空冷) (Air Cooling)
ZSH3-125V	400	1.96	2.5			0.6 (水冷) (Water Cooling)	2.4 (水冷) (Water Cooling)
ZSH3-127V	450	2.3	3.0				
ZSH3-130V	450	2.75	3.5				
ZSH3-150V	580	4.0	4				
ZSH4-140V	990	8.65	4	Cooling water pressure: 196~294kPa (2~3kg/cm ²) Cooling water temperature: ≤25℃	10~13	2.8 (空冷) (Air Cooling)	7.0 (空冷) (Air Cooling)
ZSH4-145V	990	10.05	5			1.2 (水冷) (Water Cooling)	6.0 (水冷) (Water Cooling)
ZSH4-150V	1050	12.27	6				
ZSH4-190V	1250	14.55	7.5			10 (空冷) (Air Cooling)	40 (空冷) (Air Cooling)
ZSH4-200V	1250	17.55	9				
ZSH4-250V	1450	21.65	12		15~18	7.0 (水冷) (Water Cooling)	26 (水冷) (Water Cooling)
ZSH5-240V	2150	85	14			10 (空冷) (Air Cooling)	40 (空冷) (Air Cooling)
ZSH5-245V	2150	100	17				
ZSH5-250V	2430	120	21			7.0 (水冷) (Water Cooling)	26 (水冷) (Water Cooling)
ZSH5-290V	2850	137	26				
ZSH5-295V	2850	144	27			10 (空冷) (Air Cooling)	40 (空冷) (Air Cooling)
ZSH5-300V	3200	172	33				
ZSH5-350V	3680	200	39			7.0 (水冷) (Water Cooling)	26 (水冷) (Water Cooling)

罗茨真空泵典型配管布置简图

ROTARY VACUUM PUMP INSTALLATION SAMPLE



1. 电动机 2. 消声器 3. 接管 4. 单向阀 5. 弯管 6. 弹性接头

7. 逆流消声器 8. 真空表 9. 真空阀装置 10. 管道滤清器 11. 罗茨真空泵

1. Motor 2. Silencer 3. Connection Pipe 4. Non-return Valve 5. Bend Pipe

6. Flexible Joint 7. Cold Reflux Silencer 8. Vibrationproof Vacuum Gauge

9. Vacuum Valve Assembly 10. Line Filter 11. Rotary Vacuum Pump

ZLB 型单级干式高真空罗茨真空泵性能参数表

PERFORMANCE DATA OF TYPE ZLB ROTARY VACUUM PUMP

ZLB63ALC 型罗茨真空泵性能参数表

PERFORMANCE DATA OF MODEL ZLB63ALC VACUUM PUMP

转速 Rotary Speed r/min	理论流量 Theoretical Capacity m ³ /min	真空度 Vacuum Degree kPa	流量 Capacity m ³ /min	轴功率 Shaft Power kW	电动机 Motor		最大重量 Unit Maximum Weight kg
					型 号 Type	功率 Power kW	
1000	60.6	-49.0	41.1	53.5	Y280S-4	75	3550
		-53.9	39.0	58.8	Y280S-4	75	
		-58.8	36.9	64.1	Y280S-4	75	
		-63.7	34.3	69.5	Y280M-4	90	
		-68.6	31.7	74.9	Y280M-4	90	
		-74.5	27.0	81.3	Y280M-4	90	
1120	67.8	-49.0	48.3	59.9	Y280S-4	75	3800
		-53.9	46.2	65.9	Y280S-4	75	
		-58.8	44.2	71.9	Y280M-4	90	
		-63.7	41.5	77.9	Y280M-4	90	
		-68.6	38.7	83.9	Y280M-4	90	
		-74.5	34.0	91.0	Y315S-4	110	

ZLB63ALC 型罗茨真空泵性能参数表

PERFORMANCE DATA OF MODEL ZLB63ALC VACUUM PUMP

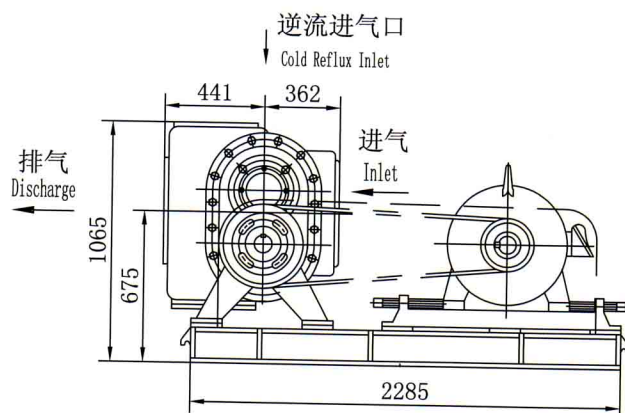
转速 Rotary Speed r/min	理论流量 Theoretical Capacity m ³ /min	真空度 Vacuum Degree kPa	流量 Capacity m ³ /min	轴功率 Shaft Power kW	电动机 Motor		最大重量 Unit Maximum Weight kg
					型 号 Type	功率 Power kW	
1250	75.7	-49.0	55.9	66.9	Y280S-4	75	3800
		-53.9	53.6	73.5	Y280M-4	90	
		-58.8	51.4	80.2	Y280M-4	90	
		-63.7	49.3	86.9	Y315S-4	110	
		-68.6	47.1	93.6	Y315S-4	110	
		-74.5	42.0	102	Y315S-4	110	
1400	84.8	-49.0	64.3	74.9	Y280M-4	90	3960
		-53.9	62.4	82.4	Y280M-4	90	
		-58.8	60.5	89.8	Y315S-4	110	
		-63.7	58.1	97.4	Y315S-4	110	
		-68.6	55.7	105	Y315M-4	132	
		-74.5	51.0	114	Y315M-4	132	

注：电机防护等级 IP44，电压380V。

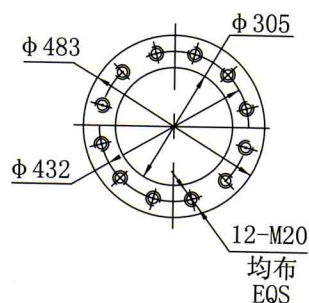
Remark: Motor protection class IP44, voltage 380V.

ZLB63ALC 型罗茨真空泵皮带传动外形安装尺寸图

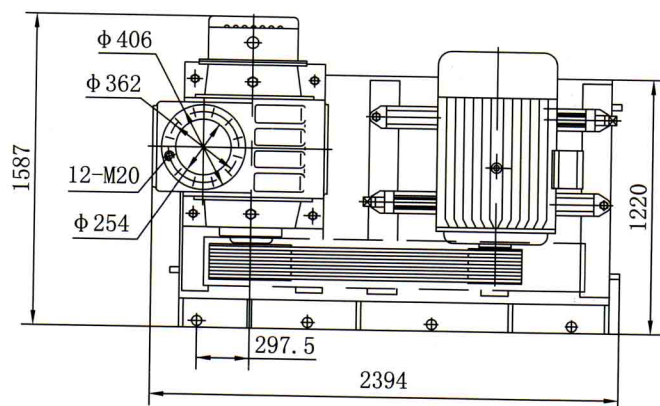
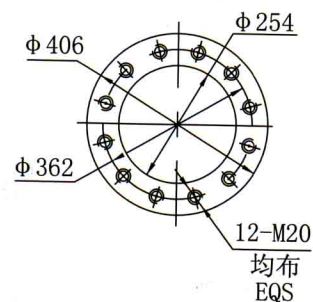
OUTLINE DRAWING OF BELT DRIVE FOR TYPE ZLB63ALC VACUUM PUMP



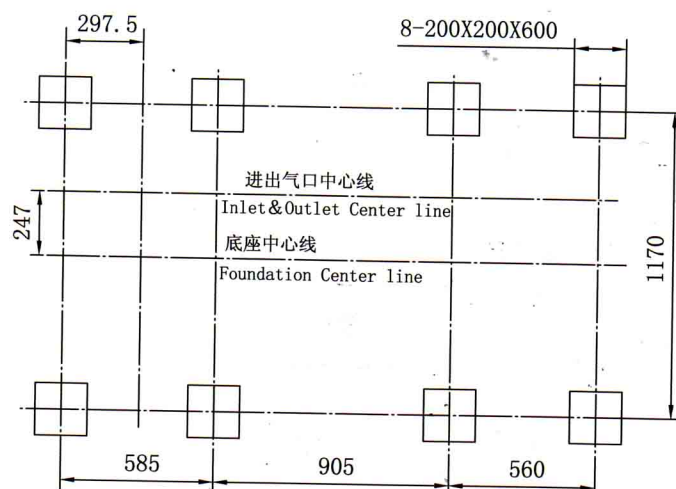
进出口法兰尺寸
Inlet & Outlet Flange Size



逆流进气口法兰尺寸
Cold Reflux Inlet Flange Size



地脚螺栓孔布置图
Anchor Bolt Hole Arrangement Diagram



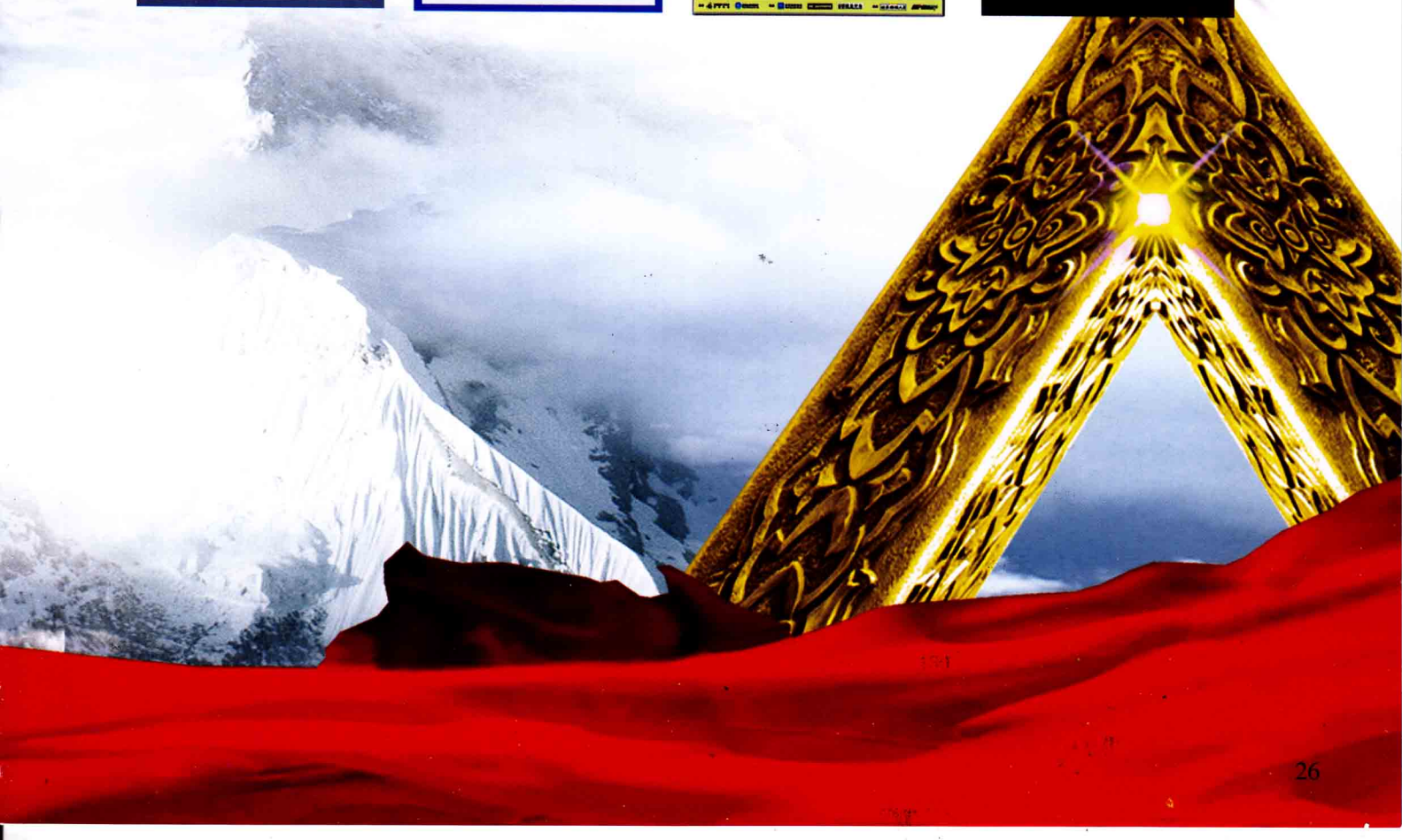
先进的加工设备

ADVANCED PROCESSING EQUIPMENT



企业资质

DIPLOMAS OF OUR COMPANY



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