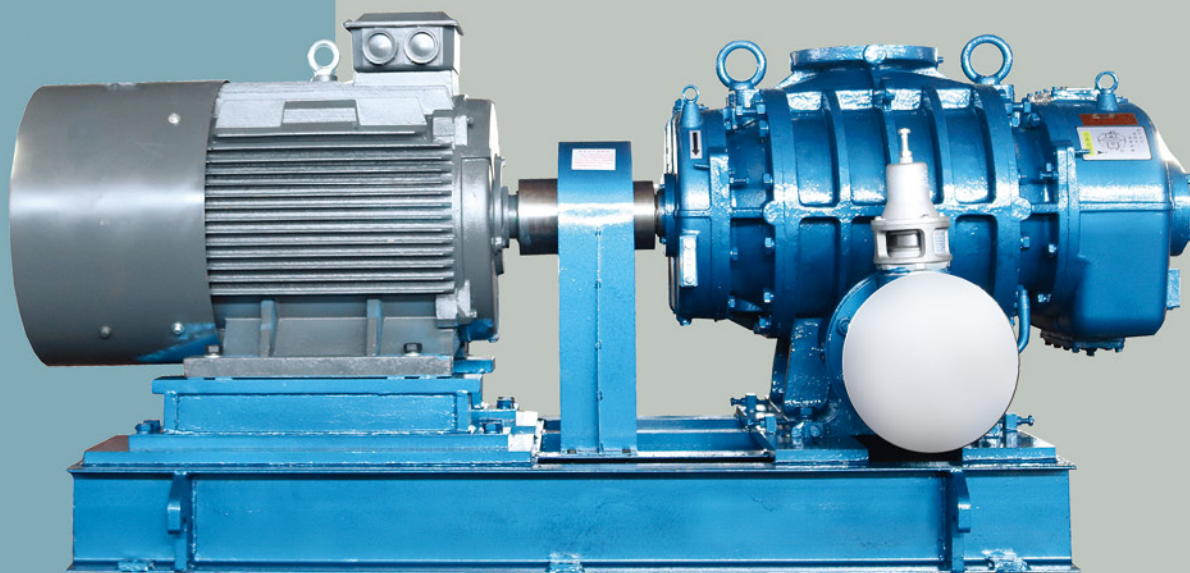




山东章鼓 股票代码：002598

3H系列

三叶罗茨鼓风机



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

企业简介

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，具有五十余年的风机设计、生产、制造技术和经验。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。目前公司已成为集罗茨鼓风机、离心风机、工业泵、重型机械设备、气力输送成套系统、电气设备、MVR 蒸发浓缩与结晶技术和成套系统、环保水处理产品及服务等产品设计、生产、销售于一体的现代化企业。并成功在深交所挂牌上市。（山东章鼓，股票代码：002598）

公司拥有享受国务院特殊津贴、省、市政府津贴专家、工程技术研究员、“泰山学者”、“泉城学者”、济南市“5150”工程引进的日本专家博士组成的强有力的研发队伍。2017 年公司与水利水电科学研究院水资源所王浩院士合作建立了“山东省院士工作站”。公司先后与清华大学、西安交通大学、浙江大学、中国矿业大学、山东大学等高等院校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。

章鼓公司是大型罗茨鼓风机专业生产厂家，中国通用机械风机协会副理事长单位，罗茨鼓风机国家标准起草单位。先后荣获“中国机械 500 强企业”、全国风机、衡器等通用设备制造业“自主创新能力十强”、风机行业“用户满意企业”、“山东省机械工业利税五十强企业”、山东省认定的“企业技术开发中心”等多项荣誉称号，是国家高新技术企业。



Brife introduction

Shandong Zhangqiu Blower Co., Ltd is one of the most important blower manufacturers in China with 50 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 Famous Brand in Shandong Province", "QILU" is appraised to be "The Most Competitive Power Brand in 2006" and "The Famous Brand in Shandong Province".



荣誉资质 Honor qualification



3H 系列高效、高压、低噪声三叶罗茨鼓风机简介

3H 系列三叶罗茨鼓风机是我公司集多年制造经验,采用多项专利技术开发的新产品。本风机叶轮采用新型三叶型线,高效节能,壳体采用了降噪壳体等多项专利技术,申请了《多叶型叶轮罗茨泵机壳进气部位结构》专利,在高效率、高压、低噪声方面是最优良的风机。

● 特点：

- (1) 三叶罗茨鼓风机的叶轮采用我公司自行设计的型线,与二叶相比,密封性能大大改善,因此泄漏少,效率高。
- (2) 压力高,单级压力达到 98kPa(1.0kg/cm),两级串联压力达到 196kPa(2.0kg/cm²)。
- (3) 噪声低,由于叶轮采用特殊降噪型线,壳体采取了降噪结构,齿轮采用 5 级精度,轴承采用进口轴承,主要零部件均采用数控设备和加工中心加工,因而产品噪声低,运行可靠,使用寿命长。
- (4) 转子动平衡精度高,振动小,噪声低。
- (5) 气流脉动小,运转平稳。
- (6) 风量、压力覆盖面大,应用范围广,用户可以从选取最低成本、最实用的风机。
- (7) 输出空气清洁,不含任何油质。机壳内部不需油类润滑,且采用了避免轴承、齿轮油混入机壳内的结构设计。
- (8) 结构紧凑、体积小、重量轻。

● 用途：

该风机主要用于环保、气力输送、石油化工、水产养殖、电力、水泥、冶炼等行业。

● 性能表说明：

性能表中的流量是指吸入压力为标准大气压 (101.325kPa A),吸入温度为 20℃,相对湿度为 50%,输送介质为纯净空气时的进口流量。若非标准状态须进行换算。

● 订货须知：

- (1) 订货时应注明:输送介质、进口压力、进口温度、进口流量、升压、环境条件以及是否有特殊要求。
- (2) 标准配套:主机、泄压阀装置、压力表、传动件、防护罩、地脚螺栓。
- (3) 可选附件(按合同要求配套):消声器、空气过滤器、管道滤清器、逆止阀、弹性接头、隔声罩、减振器等。

Brief introduction for 3H series three-lobe Roots type blower with high efficiency,high pressure, and low noise

3H series three-lobe Roots type blower is a new product with advanced patent technology and is developed based on rich producing experience. A kind of new type three-lobe profile rotor is applied in the blower for high efficiency and energysaving. Many patent technologies such as "noise lowering structure of inlet position for multiblades type rotor pump patent No.98 2 21992.X" are utilized in the blowercasing. So 3H series three-lobe Roots type blower is excellent equipment with good performance especially in high efficiency,high pressure and low noise.

● Features:

Compared with two-lobe blower,three-lobe blower has a better sealing performance,so air leakage amount is little,efficiency is high.

Pressure is high.one-stage adds up to 98kPa(1.0kg/cm),two-stage adds up to 196kPa(2.0kg/cm).

Noise is low.Noise-lowering profile and structure are applied,gear accuracy is the fifth class,bearings are imported,and main parts are,

NC machined. So,the blower can run for a long time reliably

Low vibration and low noise due to accurate dynamic balanceO Steady running without flow pulsation

A wide range of capacity and pressure is available,so blowers with low cost can be selected

The transported air is clean and free of oil or dust. Oil lubrication is not needed in the casing.special structure is designed to prevent the bearing oil and gear oil from entering the casing.

Simple structure little outline,light weight

● Application

Mainly used in environment fields, pneumatic conveying, petro-chemical industry, aquatic farming, electric power industry, smelting and cement industry.

3H 系列三叶罗茨鼓风机性能参数表

TECHNICAL DATA OF SERIES 3H TYPE ROOTS BLOWERS

3HD-100 型罗茨鼓风机性能参数表

转速 r/min	理论 流量 m³/min	升压 kPa	流量 m³/min	轴 功率 kW	配套电机		机组 最大 重量 kg
					型 号	功率 kW	
970 *	7.88	9.8	6.37	2.58	Y132S-6	3	630
		19.6	5.84	3.71	Y132M2-6	5.5	
		29.4	5.39	4.94	Y132M2-6	5.5	
		39.2	5.03	6.39	Y160M-6	7.5	
		49.0	4.72	7.62	Y160L-6	11	
		58.8	4.47	8.96	Y160L-6	11	
		68.6	4.16	10.3	Y180L-6	15	
1150	9.34	9.8	7.84	3.09	Y112M-4	4	640
		19.6	7.31	4.43	Y132S-4	5.5	
		29.4	6.87	5.97	Y132M-4	7.5	
		39.2	6.5	7.52	Y160M-4	11	
		49.0	6.2	9.17	Y160M-4	11	
		58.8	5.94	10.6	Y160L-4	15	
		68.6	5.63	12.3	Y160L-4	15	
1450 *	11.77	78.4	5.42	13.8	Y180M-4	18.5	640
		9.8	10.3	3.61	Y132S-4	5.5	
		19.6	9.78	5.46	Y132M-4	7.5	
		29.4	9.34	7.42	Y160M-4	11	
		39.2	8.98	9.37	Y160M-4	11	
		49.0	8.67	11.3	Y160L-4	15	
		58.8	8.41	13.4	Y160L-4	15	
1750	14.21	68.6	8.1	15.3	Y180M-4	18.5	720
		78.4	7.9	17.3	Y180L-4	22	
		88.2	7.63	19.4	Y180L-4	22	
		9.8	12.7	4.12	Y132S-4	5.5	
		19.6	12.2	6.49	Y132M-4	7.5	
		29.4	11.7	8.86	Y160M-4	11	
		39.2	11.4	11.2	Y160L-4	15	
2000	16.24	49.0	11.1	13.6	Y180M-4	18.5	770
		58.8	10.8	16.1	Y180M-4	18.5	
		68.6	10.5	18.4	Y180L-4	22	
		78.4	10.3	20.8	Y200L-4	30	
		88.2	10.1	23.3	Y200L-4	30	
		98.0	9.99	25.6	Y200L-4	30	
		9.8	14.8	4.64	Y132S-4	5.5	
2300	18.9	19.6	14.3	7.31	Y160M-4	11	710
		29.4	13.8	10.1	Y160L-4	15	
		39.2	13.4	12.9	Y160L-4	15	
		49.0	13.1	15.7	Y180M-4	18.5	
		58.8	12.8	18.3	Y180L-4	22	
		68.6	12.5	21.1	Y200L-4	30	
		78.4	12.3	23.9	Y200L-4	30	
2300	18.9	88.2	12.1	26.6	Y200L-4	30	710
		98.0	12	29.3	Y225S-4	37	
		9.8	17.3	5.2	Y132S2-2	7.5	
		19.6	16.7	8.2	Y160M1-2	11	
		29.4	16.2	11.3	Y160M2-2	15	
		39.2	15.8	14.4	Y160L-2	18.5	
		49.0	15.4	17.5	Y180M-2	22	
2300	18.9	58.8	15.0	20.6	Y200L1-2	30	710
		68.6	14.7	23.7	Y200L1-2	30	
		78.4	14.5	26.8	Y200L1-2	30	
		88.2	14.2	29.9	Y200L2-2	37	
		98.0	13.9	31.9	Y200L2-2	37	
		9.8	25.2	6.5	Y132S2-2	7.5	
		19.6	24.4	10.9	Y160M2-2	15	
2300	27.17	29.4	23.8	15.4	Y160L-2	18.5	855
		39.2	23.3	19.8	Y200L1-2	30	
		49.0	22.9	24.2	Y200L1-2	30	
		58.8	22.5	28.7	Y200L2-2	37	
		68.6	22.0	33.2	Y200L2-2	37	
		78.4	21.7	37.6	Y225M-2	45	
		88.2	21.4	42.0	Y250M-2	55	
2300	27.17	98.0	21.1	46.5	Y250M-2	55	975
		9.8	21.3	5.87	Y132M-4	7.5	
		19.6	20.7	9.79	Y160M-4	11	
		29.4	20.1	13.8	Y180M-4	18.5	
		39.2	19.7	17.7	Y180L-4	22	
		49.0	19.3	21.7	Y200L-4	30	
		58.8	19	25.6	Y200L-4	30	
2300	27.17	68.6	18.7	29.7	Y225S-4	37	870
		78.4	18.4	33.6	Y225S-4	37	
		88.2	18.1	37.6	Y225M-4	45	
		98.0	17.9	41.5	Y250M-4	55	
		9.8	25.2	6.5	Y132S2-2	7.5	
		19.6	24.4	10.9	Y160M2-2	15	
		29.4	23.8	15.4	Y160L-2	18.5	
2300	27.17	39.2	23.3	19.8	Y200L1-2	30	855
		49.0	22.9	24.2	Y200L1-2	30	
		58.8	22.5	28.7	Y200L2-2	37	
		68.6	22.0	33.2	Y200L2-2	37	
		78.4	21.7	37.6	Y225M-2	45	
		88.2	21.4	42.0	Y250M-2	55	
		98.0	21.1	46.5	Y250M-2	55	

3HD-125 型罗茨鼓风机性能参数表

转速 r/min	理论 流量 m³/min	升压 kPa	流量 m³/min	轴 功率 kW	配套电机		机组 最大 重量 kg
					型 号	功率 kW	
970 *	11.32	9.8	9.18	2.88	Y132M1-6	4	770
		19.6	8.56	4.74	Y132M2-6	5.5	
		29.4	8.05	6.7	Y160M-6	7.5	
		39.2	7.59	8.65	Y160L-6	11	
		49.0	7.23	10.5	Y180L-6	15	
		58.8	6.87	12.5	Y180L-6	15	
		68.6	6.53	14.4	Y200L1-6	18.5	
1150	13.42	78.4	6.25	16.3	Y200L1-6	18.5	800
		9.8	11.3	3.4	Y112M-4	4	
		19.6	10.7	5.67	Y132M-4	7.5	
		29.4	10.1	7.93	Y160M-4	11	
		39.2	9.72	10.2	Y160L-4	15	
		49.0	9.36	12.5	Y160L-4	15	
		58.8	9	14.8	Y180M-4	18.5	
1450 *	16.93	68.6	8.69	17.1	Y180L-4	22	840
		78.4	8.38	19.4	Y180L-4	22	
		88.2	8.12	21.6	Y200L-4	30	
		9.8	14.8	4.33	Y132S-4	5.5	
		19.6	14.2	7.11	Y160M-4	11	
		29.4	13.6	10	Y160L-4	15	
		39.2	13.2	12.9	Y160L-4	15	
1750	20.43	49.0	12.8	15.8	Y180M-4	18.5	840
		58.8	12.5	18.6	Y180L-4	22	
		68.6	12.2	21.5	Y200L-4	30	
		78.4	11.9	24.4	Y200L-4	30	
		88.2	11.6	27.3	Y225S-4	37	
		98.0	11.4	30.2	Y225S-4	37	
		9.8	18.4	5.15	Y132M-4	7.5	910
2000	23.35	19.6	17.8	8.65	Y160M-4	11	
		29.4	17.3	12.1	Y160L-4	15	
		39.2	16.7	15.6	Y180M-4	18.5	
		49.0	16.4	19.1	Y180L-4	22	
		58.8	16	22.5	Y200L-4	30	
		68.6	15.7	26	Y200L-4	30	
		78.4	15.4	29.5	Y225S-4	37	
2000	23.35	88.2	15.1	32.9	Y225S-4	37	870
		98.0	14.9	36.4	Y225M-4	45	
		9.8	21.3	5.87	Y132M-4	7.5	
		19.6	20.7	9.79	Y160M-4	11	
		29.4	20.1	13.8	Y180M-4	18.5	
		39.2	19.7	17.7	Y180L-4	22	
		49.0	19.3	21.7	Y200L-4	30	
2300	27.17	58.8	19	25.6	Y200L-4	30	855
		68.6	18.7	29.7	Y225S-4	37	
		78.4	18.4	33.6	Y225S-4	37	
		88.2	18.1	37.6	Y225M-4	45	
		98.0	17.9	41.5	Y250M-4	55	
		9.8	25.2	6.5	Y132S2-2	7.5	975
		19.6	24.4	10.9	Y160M2-2	15	
2300	27.17	29.4	23.8	15.4	Y160L-2	18.5	
		39.2	23.3	19.8	Y200L1-2	30	
		49.0	22.9	24.2	Y200L1-2	30	
		58.8	22.5	28.7	Y200L2-2	37	
		68.6	22.0	33.2	Y200L2-2	37	
		78.4	21.7	37.6	Y225M-2	45	
		88.2	21.4	42.0	Y250M-2	55	
2300	27.17	98.0	21.1	46.5	Y250M-2	55	975

注：1. * 所示转速的罗茨鼓风机采用联轴器传动，其余采用皮带轮传动。

2. 内性能点罗茨鼓风机采用中间轴皮带轮传动。

3H 系列三叶罗茨鼓风机性能参数表

TECHNICAL DATA OF SERIES 3H TYPE ROOTS BLOWERS

3HD-127 型罗茨鼓风机性能参数表

转速 r/min	理论 流量 m ³ /min	升压 kPa	流量 m ³ /min	轴 功率 kW	配套电机		机组 最大 重量 kg
					型 号	功率 kW	
970 *	13.79	9.8	11.3	3.5	Y132M2-6	5.5	860
		19.6	10.5	5.87	Y160M-6	7.5	
		29.4	9.82	8.14	Y160L-6	11	
		39.2	9.2	10.5	Y180L-6	15	
		49.0	8.69	12.9	Y180L-6	15	
		58.8	8.24	15.1	Y200L1-6	18.5	
		68.6	7.86	17.5	Y200L2-6	22	
1150	16.34	9.8	13.9	4.12	Y132S-4	5.5	850
		19.6	13.0	6.9	Y160M-4	11	
		29.4	12.3	9.58	Y160M-4	11	
		39.2	11.7	12.4	Y160L-4	15	
		49.0	11.3	15.1	Y180M-4	18.5	
		58.8	10.8	17.9	Y180L-4	22	
		68.6	10.4	20.7	Y200L-4	30	
1450 *	20.61	78.4	10.0	23.5	Y200L-4	30	910
		9.8	18.2	5.15	Y132M-4	7.5	
		19.6	17.4	8.65	Y160M-4	11	
		29.4	16.6	12.1	Y160L-4	15	
		39.2	16.0	15.7	Y180M-4	18.5	
		49.0	15.5	19.2	Y180L-4	22	
		58.8	15.1	22.7	Y200L-4	30	
1750	24.87	68.6	14.7	26.3	Y200L-4	30	930
		78.4	14.4	29.8	Y225S-4	37	
		88.2	14.1	33.1	Y225S-4	37	
		9.8	22.5	6.08	Y132M-4	7.5	
		19.6	21.8	10.3	Y160L-4	15	
		29.4	21.0	14.5	Y180M-4	18.5	
		39.2	20.3	18.6	Y180L-4	22	
2000	28.43	49.0	19.8	23.0	Y200L-4	30	935
		58.8	19.4	27.2	Y200L-4	30	
		68.6	19.0	31.4	Y225S-4	37	
		78.4	18.7	35.6	Y225M-4	45	
		88.2	18.4	39.9	Y225M-4	45	
		9.8	26.1	7.0	Y160M-4	11	
		19.6	25.3	11.8	Y160L-4	15	
2300	33.08	29.4	24.6	16.6	Y180M-4	18.5	1080
		39.2	23.9	21.3	Y200L-4	30	
		49.0	23.4	26.2	Y200L-4	30	
		58.8	23.0	31.0	Y225S-4	37	
		68.6	22.6	35.8	Y225M-4	45	
		78.4	22.3	40.7	Y225M-4	45	
		88.2	22.0	45.5	Y250M-4	55	
2300	33.08	9.8	30.6	8.2	Y160M1-2	11	920
		19.6	29.6	13.6	Y160M2-2	15	
		29.4	28.8	19.1	Y180M-2	22	
		39.2	28.2	24.4	Y200L1-2	30	
		49.0	27.6	29.9	Y200L2-2	37	
		58.8	27.1	35.2	Y250M-2	45	
		68.6	26.6	40.7	Y250M-2	45	
2300	33.08	78.4	26.2	46.0	Y250M-2	55	1065
		88.2	25.8	51.5	Y280S-2	75	

3HD-130 型罗茨鼓风机性能参数表

转速 r/min	理论 流量 m ³ /min	升压 kPa	流量 m ³ /min	轴 功率 kW	配套电机		机组 最大 重量 kg
					型 号	功率 kW	
970 *	17.23	9.8	14.2	4.43	Y132M2-6	5.5	920
		19.6	13.2	7.42	Y160L-6	11	
		29.4	12.5	10.3	Y180L-6	15	
		39.2	11.8	13.2	Y180L-6	15	
		49.0	11.3	16.2	Y200L1-6	18.5	
		58.8	10.8	19.1	Y200L1-6	22	
		68.6	10.3	22.0	Y225M-6	30	
1150	20.43	9.8	17.5	5.15	Y132M-4	7.5	870
		19.6	16.4	8.65	Y160M-4	11	
		29.4	15.7	12.2	Y160L-4	15	
		39.2	15.1	15.5	Y180M-4	18.5	
		49.0	14.5	19.1	Y180L-4	22	
		58.8	14.0	22.6	Y200L-4	30	
		68.6	13.4	26.1	Y200L-4	30	
1450 *	25.76	78.4	13.1	29.5	Y225S-4	37	980
		9.8	22.8	6.39	Y132M-4	7.5	
		19.6	21.9	10.8	Y160L-4	15	
		29.4	21.2	14.8	Y180M-4	18.5	
		39.2	20.4	19.6	Y180L-4	22	
		49.0	19.9	23.9	Y200L-4	30	
		58.8	19.4	28.3	Y225S-4	37	
1750	31.09	68.6	18.9	32.7	Y225S-4	37	930
		78.4	18.5	37.1	Y225M-4	45	
		9.8	28.2	7.73	Y160M-4	11	
		19.6	27.2	13.0	Y160L-4	15	
		29.4	26.5	18.2	Y180L-4	22	
		39.2	25.8	23.5	Y200L-4	30	
		49.0	25.3	28.8	Y225S-4	37	
2000	35.54	58.8	24.8	34.1	Y225S-4	37	940
		68.6	24.3	39.3	Y225M-4	45	
		78.4	23.9	44.6	Y250M-4	55	
		9.8	32.7	8.76	Y160M-4	11	
		19.6	31.8	14.7	Y180M-4	18.5	
		29.4	31.1	20.8	Y200L-4	30	
		39.2	30.3	26.8	Y200L-4	30	
2300	41.35	49.0	29.7	32.9	Y225S-4	37	995
		58.8	29.3	38.8	Y225M-4	45	
		68.6	28.8	44.9	Y250M-4	55	
		78.4	28.4	51.0	Y280S-4	75	
		9.8	38.0	10.3	Y160M2-2	15	
		19.6	36.7	17.1	Y180M-2	22	
		29.4	35.6	23.8	Y200L1-2	30	
2300	41.35	39.2	34.7	30.5	Y200L2-2	37	1210
		49.0	34.0	37.3	Y225M-2	45	
		58.8	33.3	44.1	Y250M-2	55	
		68.6	32.5	50.9	Y250M-2	55	
		78.4	32.0	57.6	Y280S-2	75	

注：1.* 所示转速的罗茨鼓风机采用联轴器传动，其余采用皮带轮传动。

2. 内性能点罗茨鼓风机采用中间轴皮带轮传动。

3. 电机防护等级为IP44，电压380V。

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

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

3. Motor protection class IP44, voltage 380V.

3H 系列三叶罗茨鼓风机性能参数表

TECHNICAL DATA OF SERIES 3H TYPE ROOTS BLOWERS

3HD-150 型罗茨鼓风机性能参数表

转速 r/min	理论 流量 m ³ /min	升压 kPa	流量 m ³ /min	轴 功率 kW	配套电机		机组 最大 重量 kg
					型 号	功率 kW	
970 *	21.17	9.8	17.7	5.36	Y160M-6	7.5	1150
		19.6	16.5	8.96	Y160L-6	11	
		29.4	15.6	12.6	Y180L-6	15	
		39.2	14.9	16.2	Y200L1-6	18.5	
		49.0	14.2	19.8	Y225M-6	30	
		58.8	13.5	23.4	Y225M-6	30	
		68.6	13	27	Y225M-6	30	
1150	25.1	9.8	21.7	6.18	Y132M-4	7.5	1010
		19.6	20.6	10.5	Y160L-4	15	
		29.4	19.6	14.8	Y180M-4	18.5	
		39.2	18.9	19.1	Y180L-4	22	
		49.0	18.2	23.4	Y200L-4	30	
		58.8	17.5	27.6	Y225S-4	37	
		68.6	16.9	31.9	Y225S-4	37	
							1121
1450 *	31.65	9.8	28.3	7.73	Y160M-4	11	1150
		19.6	27.1	13.1	Y160L-4	15	
		29.4	26.2	18.5	Y180L-4	22	
		39.2	25.5	23.9	Y200L-4	30	
		49.0	24.8	29.4	Y225S-4	37	
		58.8	24.2	34.7	Y225M-4	45	
		68.6	23.6	40.2	Y225M-4	45	
1750	38.2	9.8	34.9	9.27	Y160M-4	11	1170
		19.6	33.7	15.8	Y180M-4	18.5	
		29.4	32.8	22.2	Y200L-4	30	
		39.2	32.1	28.8	Y225S-4	37	
		49.0	31.4	35.3	Y225M-4	45	
		58.8	30.7	41.8	Y250M-4	55	
		68.6	30.2	48.4	Y250M-4	55	
							1230
2000	43.66	9.8	40.4	10.5	Y160L-4	15	1170
		19.6	39.3	18	Y180L-4	22	
		29.4	38.4	25.4	Y200L-4	30	
		39.2	37.6	32.9	Y225S-4	37	
		49.0	36.9	40.3	Y225M-4	45	
		58.8	36.3	47.8	Y250M-4	55	

3HE-140 型罗茨鼓风机性能参数表

转速 r/min	理论 流量 m ³ /min	升压 kPa	流量 m ³ /min	轴 功率 kW	配套电机		机组 最大 重量 kg
					型 号	功率 kW	
730 *	17.75	9.8	14.5	4.9	Y160L-8	7.5	1560
		19.6	13.5	7.5	Y180L-8	11	
		29.4	12.9	10.5	Y200L-8	15	
		39.2	12.3	13.5	Y200L-8	15	
		49.0	11.7	16.6	Y225S-8	18.5	
		58.8	11.2	19.5	Y225M-8	22	
		68.6	10.8	23.6	Y250M-8	30	
		78.4	10.4	25.5	Y250M-8	30	
970 *	23.59	88.2	10.1	28.0	Y280S-8	37	1670
		9.8	20.3	6.2	Y160M-6	7.5	
		19.6	19.3	10.3	Y180L-6	15	
		29.4	18.6	13.9	Y200L1-6	18.5	
		39.2	18.0	18.0	Y200L2-6	22	
		49.0	17.5	21.6	Y225M-6	30	
		58.8	17.0	25.8	Y225M-6	30	
		68.6	16.6	29.9	Y250M-6	37	
1170	28.45	78.4	16.2	33.5	Y250M-6	37	1540
		88.2	15.9	37.6	Y280S-6	45	
		98.0	15.6	41.2	Y280M-6	55	
		9.8	25.1	7.7	Y160M-4	11	
		19.6	24.1	12.4	Y160L-4	15	
		29.4	23.5	17.0	Y180L-4	22	
		39.2	22.9	21.6	Y200L-4	30	
		49.0	22.4	26.3	Y200L-4	30	
1250	30.4	58.8	21.8	30.9	Y225S-4	37	1690
		68.6	21.4	36.1	Y225M-4	45	
		78.4	21.0	40.7	Y225M-4	45	
		88.2	20.7	45.3	Y250M-4	55	
		98.0	20.4	50.0	Y250M-4	55	
		9.8	27.1	8.2	Y160M-4	11	
		19.6	26.1	12.9	Y160L-4	15	
		29.4	25.4	18.0	Y180L-4	22	
1350	32.83	39.2	24.8	23.2	Y200L-4	30	1690
		49.0	24.3	28.3	Y225S-4	37	
		58.8	23.8	33.0	Y225S-4	37	
		68.6	23.4	38.1	Y225M-4	45	
		78.4	23.0	43.3	Y250M-4	55	
		88.2	22.7	48.4	Y250M-4	55	
		98.0	22.4	53.0	Y280S-4	75	
		9.8	29.5	8.8	Y160M-4	11	
1450 *	35.09	19.6	28.4	13.9	Y180M-4	18.5	1690
		29.4	27.8	19.6	Y180L-4	22	
		39.2	27.2	24.7	Y200L-4	30	
		49.0	26.7	30.4	Y225S-4	37	
		58.8	26.2	36.1	Y225M-4	45	
		68.6	25.8	41.2	Y250M-4	55	
		78.4	25.3	46.4	Y250M-4	55	
		88.2	25.0	52.0	Y280S-4	75	
1450 *	35.09	98.0	24.7	57.7	Y280S-4	75	1690
		9.8	32.5	9.4	Y160M-4	11	
		19.6	31.4	15.0	Y180M-4	18.5	
		29.4	30.6	20.8	Y200L-4	30	
		39.2	29.9	26.5	Y200L-4	30	
		49.0	29.4	32.2	Y225S-4	37	
		58.8	28.7	37.9	Y225M-4	45	
		68.6	28.2	43.7	Y250M-4	55	
1450 *	35.09	78.4	27.8	49.3	Y250M-4	55	1690
		88.2	27.3	55.0	Y280S-4	75	
		98.0	26.9	60.8	Y280S-4	75	

注：1. * 所示转速的罗茨鼓风机采用联轴器传动，其余采用皮带轮传动。

2. 内性能点罗茨鼓风机采用中间轴皮带轮传动。

3. 电机防护等级为IP44，电压380V。

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

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

3. Motor protection class IP44, voltage 380V.

3H 系列三叶罗茨鼓风机性能参数表

TECHNICAL DATA OF SERIES 3H TYPE ROOTS BLOWERS

3HE-145 型罗茨鼓风机性能参数表

转速 r/min	理论 流量 m ³ /min	升压 kPa	流量 m ³ /min	轴 功率 kW	配套电机		机组 最大 重量 kg
					型 号	功率 kW	
730 *	21.61	9.8	17.9	5.5	Y160L-8	7.5	1680
		19.6	16.7	9.1	Y180L-8	11	
		29.4	15.9	12.5	Y200L-8	15	
		39.2	15.1	16.0	Y225S-8	18.5	
		49.0	14.5	20.1	Y250M-8	30	
		58.8	14.0	23.6	Y250M-8	30	
		68.6	13.6	27.0	Y250M-8	30	
		78.4	13.2	30.6	Y280S-8	37	
		88.2	12.8	34.1	Y280M-8	45	
970 *	28.72	9.8	24.9	7.2	Y160L-6	11	1740
		19.6	23.7	11.8	Y180L-6	15	
		29.4	22.9	17.0	Y200L2-6	22	
		39.2	22.1	21.6	Y225M-6	30	
		49.0	21.5	26.3	Y225M-6	30	
		58.8	21.0	30.9	Y250M-6	37	
		68.6	20.6	36.1	Y280S-6	45	
		78.4	20.2	40.7	Y280S-6	45	
		88.2	19.8	45.3	Y280M-6	55	
1170	34.64	9.8	30.8	8.8	Y160M-4	11	1730
		19.6	29.6	14.4	Y180M-4	18.5	
		29.4	28.7	20.1	Y200L-4	30	
		39.2	28.0	25.8	Y200L-4	30	
		49.0	27.4	31.4	Y225S-4	37	
		58.8	26.9	37.1	Y225M-4	45	
		68.6	26.5	43.3	Y250M-4	55	
		78.4	26.1	48.9	Y250M-4	55	
		88.2	25.6	54.6	Y280S-4	75	
1250	37.01	9.8	33.2	9.3	Y160M-4	11	1730
		19.6	31.9	15.5	Y180M-4	18.5	
		29.4	31.1	21.6	Y200L-4	30	
		39.2	30.4	27.8	Y225S-4	37	
		49.0	29.8	34.1	Y225M-4	45	
		58.8	29.3	39.7	Y225M-4	45	
		68.6	28.8	45.8	Y250M-4	55	
		78.4	28.4	52.0	Y280S-4	75	
		88.2	28.0	58.2	Y280S-4	75	
1350	39.97	9.8	36.1	9.8	Y160M-4	11	1760
		19.6	34.8	16.5	Y180M-4	18.5	
		29.4	34.0	23.2	Y200L-4	30	
		39.2	33.3	29.9	Y225S-4	37	
		49.0	32.7	36.6	Y225M-4	45	
		58.8	32.1	43.3	Y250M-4	55	
		68.6	31.7	49.4	Y250M-4	55	
		78.4	31.3	56.1	Y280S-4	75	
		88.2	30.9	62.8	Y280S-4	75	
1450 *	42.72	9.8	39.9	10.5	Y160L-4	15	1760
		19.6	38.7	17.4	Y180L-4	22	
		29.4	37.8	24.4	Y200L-4	30	
		39.2	37.2	31.3	Y225S-4	37	
		49.0	36.5	38.3	Y225M-4	45	
		58.8	35.9	45.2	Y250M-4	55	
		68.6	35.4	52.2	Y280S-4	75	
		78.4	34.9	59.2	Y280S-4	75	
		88.2	34.4	66.1	Y280M-4	90	

3HE-150 型罗茨鼓风机性能参数表

转速 r/min	理论 流量 m ³ /min	升压 kPa	流量 m ³ /min	轴 功率 kW	配套电机		机组 最大 重量 kg
					型 号	功率 kW	
730 *	27.79	9.8	22.9	7	Y180L-8	11	2110
		19.6	21.6	11.4	Y200L-8	15	
		29.4	20.6	16	Y225S-8	18.5	
		39.2	19.9	20.5	Y250M-8	30	
		49.0	19	25	Y250M-8	30	
		58.8	18.3	30.1	Y280S-8	37	
		68.6	17.7	34.1	Y280M-8	45	
		78.4	17.2	39	Y280M-8	45	
		88.2	16.9	43.6	Y315S-8	55	
970 *	36.93	9.8	31.9	8.8	Y160L-6	11	2130
		19.6	30.7	14.9	Y200L1-6	18.5	
		29.4	29.7	21.1	Y225M-6	30	
		39.2	28.8	27.3	Y225M-6	30	
		49.0	28	33.5	Y250M-6	37	
		58.8	27.4	39.7	Y280S-6	45	
		68.6	26.8	45.3	Y280M-6	55	
		78.4	26.3	51.5	Y315S-6	75	
		88.2	25.9	57.7	Y315S-6	75	
1170	44.54	9.8	39.6	10.3	Y160L-4	15	1880
		19.6	38.3	18	Y180L-4	22	
		29.4	37.3	25.2	Y225S-4	37	
		39.2	36.5	33	Y225M-4	45	
		49.0	35.6	40.2	Y225M-4	45	
		58.8	35	47.4	Y250M-4	55	
		68.6	34.4	54.6	Y280S-4	75	
		78.4	33.9	62.3	Y280S-4	75	
		88.2	33.5	69.5	Y280M-4	90	
1250	47.59	9.8	42.5	11.3	Y160L-4	15	2130
		19.6	41.3	19.1	Y180L-4	22	
		29.4	40.3	27.3	Y225S-4	37	
		39.2	39.4	35	Y225M-4	45	
		49.0	38.6	42.7	Y250M-4	55	
		58.8	38	51	Y280S-4	75	
		68.6	36.4	58.7	Y280S-4	75	
		78.4	35.8	66.4	Y280S-4	75	
		88.2	35.4	74.2	Y280M-4	90	
1350	51.39	9.8	46.4	12.4	Y160L-4	15	1880
		19.6	45.1	20.6	Y200L-4	30	
		29.4	44.1	29.4	Y225S-4	37	
		39.2	43.3	37.6	Y225M-4	45	
		49.0	42.4	46.4	Y250M-4	55	
		58.8	41.8	54.6	Y280S-4	75	
		68.6	41.2	63.3	Y280S-4	75	
		78.4	40.7	71.6	Y280M-4	90	
		88.2	40.3	80.3	Y280M-4	90	
1450 *	54.92	9.8	51.2	13.4	Y160L-4	15	2130
		19.6	49.8	22.4	Y200L-4	30	
		29.4	48.6	31.3	Y225S-4	37	
		39.2	47.7	40.2	Y225M-4	45	
		49.0	46.9	50.1	Y280S-4	75	
		58.8	46.1	58.1	Y280S-4	75	
		68.6	45.4	67.1	Y280S-4	75	
		78.4	44.8	76.0	Y280M-4	90	
		88.2	44.2	84.9	Y315S-4	110	

注：1.* 所示转速的罗茨鼓风机采用联轴器传动，其余采用皮带轮传动。

2. 内性能点罗茨鼓风机采用中间轴皮带轮传动。

3. 电机防护等级为IP44，电压380V。

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

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

3. Motor protection class IP44, voltage 380V.

3H 系列三叶罗茨鼓风机性能参数表

TECHNICAL DATA OF SERIES 3H TYPE ROOTS BLOWERS

3HE-190 型罗茨鼓风机性能参数表

转速 r/min	理论 流量 m ³ /min	升压 kPa	流量 m ³ /min	轴 功率 kW	配套电机 型 号	功率 kW	机组 最大 重量 kg
730 *	34.74	9.8	30.0	8.5	Y180L-8	11	2340
		19.6	28.2	14.0	Y225S-8	18.5	
		29.4	26.7	20.0	Y225M-8	22	
		39.2	25.5	25.5	Y250M-8	30	
		49.0	24.4	31.6	Y280S-8	37	
		58.8	23.4	37.1	Y280M-8	45	
		68.6	22.6	42.5	Y315S-8	55	
		78.4	21.9	48.6	Y315S-8	55	
970 *	46.16	9.8	41.2	10.8	Y180L-6	15	2360
		19.6	39.6	18.5	Y200L2-6	22	
		29.4	38.0	26.3	Y225M-6	30	
		39.2	36.8	34.0	Y280S-6	45	
		49.0	35.6	41.2	Y280M-6	55	
		58.8	34.7	48.9	Y280M-6	55	
		68.6	33.9	56.7	Y315S-6	75	
		78.4	33.2	64.4	Y315S-6	75	
1170	55.68	9.8	50.7	12.9	Y160L-4	15	2100
		19.6	49.0	22.1	Y200L-4	30	
		29.4	47.5	31.4	Y225S-4	37	
		39.2	46.2	40.7	Y225M-4	45	
		49.0	45.1	50.0	Y250M-4	55	
		58.8	44.2	59.3	Y280S-4	75	
		68.6	43.4	68.5	Y280M-4	90	
		78.4	42.6	77.8	Y280M-4	90	
1250	59.48	9.8	54.4	13.9	Y180M-4	18.5	2100
		19.6	52.7	23.7	Y200L-4	30	
		29.4	51.2	33.5	Y225M-4	45	
		39.2	50.0	43.3	Y280M-4	55	
		49.0	48.8	53.6	Y280S-4	75	
		58.8	47.9	63.3	Y280S-4	75	
		68.6	47.1	73.1	Y280M-4	90	
		78.4	46.4	82.9	Y315S-4	110	
1350	64.24	9.8	59.1	14.9	Y160L-4	18.5	2100
		19.6	57.5	25.8	Y200L-4	30	
		29.4	55.9	36.1	Y225M-4	45	
		39.2	54.7	46.9	Y250M-4	55	
		49.0	53.6	57.7	Y280S-4	75	
		58.8	52.6	68.0	Y280S-4	75	
		68.6	51.8	78.8	Y280M-4	90	
		78.4	51.1	89.6	Y315S-4	110	
1450 *	68.66	9.8	64.4	15.9	Y180L-4	22	2430
		19.6	62.7	27.2	Y225S-4	37	
		29.4	61.4	38.3	Y225M-4	45	
		39.2	60.4	49.5	Y250M-4	55	
		49.0	59.3	60.7	Y280S-4	75	
		58.8	58.5	71.8	Y280M-4	90	
		68.6	57.8	83.0	Y315S-4	110	
		78.4	57.0	94.3	Y315S-4	110	
		88.2	56.0	106.1	Y315M-4	132	
		98.0	55.0	117.9	Y315M-4	132	

3HE-200 型罗茨鼓风机性能参数表

转速 r/min	理论 流量 m ³ /min	升压 kPa	流量 m ³ /min	轴 功率 kW	配套电机 型 号	功率 kW	机组 最大 重量 kg
730 *	42.47	9.8	36.5	10	Y180L-8	11	2510
		19.6	34.9	17	Y225M-8	22	
		29.4	33.6	24	Y250M-8	30	
		39.2	32.2	31	Y280S-8	37	
		49.0	31.3	38.1	Y280M-8	45	
		58.8	30.3	45.1	Y315S-8	55	
		68.6	29.4	52.1	Y315M-8	75	
		78.4	28.4	59.1	Y315M-8	75	
970 *	56.42	9.8	50.4	13.4	Y180L-6	15	2570
		19.6	48.7	22.7	Y225M-6	30	
		29.4	47.4	31.9	Y250M-6	37	
		39.2	46.1	41.2	Y280M-6	55	
		49.0	45.1	50.5	Y315S-6	75	
		58.8	44.1	59.9	Y315S-6	75	
		68.6	43.2	69.2	Y315M-6	90	
		78.4	42.3	78.5	Y315M-6	90	
1170	68.05	88.2	41.6	87.8	Y315L-6	110	2180
		9.8	61.9	15.5	Y180M-4	18.5	
		19.6	60.3	26.8	Y200L-4	30	
		29.4	58.9	38.1	Y225M-4	45	
		39.2	57.7	49.4	Y250M-4	55	
		49.0	56.7	60.8	Y280S-4	75	
		58.8	55.6	72.1	Y280M-4	90	
		68.6	54.7	82.9	Y315S-4	110	
1250	72.7	78.4	53.9	94.2	Y315S-4	110	2520
		9.8	66.5	16.5	Y180M-4	18.5	
		19.6	64.9	28.3	Y225S-4	37	
		29.4	63.6	40.2	Y225M-4	45	
		39.2	62.3	52.5	Y280S-4	75	
		49.0	61.3	64.9	Y280S-4	75	
		58.8	60.3	76.7	Y280M-4	90	
		68.6	59.3	88.6	Y315S-4	110	
1350	78.52	78.4	58.5	100.9	Y315M-4	132	2680
		9.8	72.2	17.5	Y180L-4	22	
		19.6	70.6	30.9	Y225S-4	37	
		29.4	69.2	43.3	Y250M-4	55	
		39.2	68.0	56.7	Y280S-4	75	
		49.0	67.0	70.0	Y280M-4	90	
		58.8	66.0	82.4	Y315S-4	110	
		68.6	65.0	95.8	Y315S-4	110	
1450 *	83.91	78.4	64.2	109.2	Y315M-4	132	2730
		9.8	79.0	18.8	Y180L-4	22	
		19.6	77.0	32.3	Y225S-4	37	
		29.4	75.6	46.0	Y250M-4	55	
		39.2	74.4	59.7	Y280S-4	75	
		49.0	73.3	73.3	Y280M-4	90	
		58.8	72.3	87.0	Y315S-4	110	
		68.6	71.4	100.7	Y315M-4	132	
		78.4	70.6	114.4	Y315M-4	132	
		88.2	69.2	128.7	Y315L-4	160	

注：1.* 所示转速的罗茨鼓风机采用联轴器传动，其余采用皮带轮传动。

2. 内性能点罗茨鼓风机采用中间轴皮带轮传动。

3. 电机防护等级为IP44，电压380V。

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

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

3. Motor protection class IP44, voltage 380V.

3H系列三叶罗茨鼓风机性能参数表

TECHNICAL DATA OF SERIES 3H TYPE ROOTS BLOWERS

3HE-250 型罗茨鼓风机性能参数表

转速 r/min	理论 流量 m ³ /min	升压 kPa	流量 m ³ /min	轴 功率 kW	配套电机		机组 最大 重量 kg
					型 号	功率 kW	
730 *	54.04	9.8	46.8	11.9	Y200L-8	15	2740
		19.6	44.7	21	Y250M-8	30	
		29.4	42.8	30.1	Y280S-8	37	
		39.2	41.2	39.1	Y280M-8	45	
		49.0	39.9	48.1	Y315S-8	55	
		58.8	38.7	57.1	Y315M-8	75	
970 *	71.8	9.8	64.4	15.5	Y200L1-6	18.5	2800
		19.6	62.3	27.8	Y250M-6	37	
		29.4	60.1	39.1	Y280S-6	45	
		39.2	58.9	51.5	Y315S-6	75	
		49.0	57.6	63.9	Y315S-6	75	
		58.8	56.3	75.2	Y315M-6	90	
1170	86.61	9.8	79	18.5	Y180L-4	22	2390
		19.6	76.9	33	Y225S-4	37	
		29.4	75.1	47.4	Y250M-4	55	
		39.2	73.5	61.8	Y280S-4	75	
		49.0	72.2	76.2	Y280M-4	90	
		58.8	71.0	90.6	Y315S-4	110	2750
1250	92.53	9.8	86.7	20.6	Y200L-4	30	2390
		19.6	82.8	36.1	Y225M-4	45	
		29.4	81	51.5	Y280S-4	75	
		39.2	79.4	65.9	Y280S-4	75	
		49.0	78.1	81.4	Y280M-4	90	
		58.8	76.8	96.8	Y315S-4	110	2750
1350	99.94	9.8	92.3	21.6	Y200L-4	30	2390
		19.6	90.2	38.1	Y225M-4	45	
		29.4	88.4	54.6	Y280S-4	75	
		39.2	86.9	71.1	Y280M-4	90	
		49.0	85.5	88.6	Y315S-4	110	
		58.8	84.3	105.1	Y315M-4	132	2960
1450 *	106.8	9.8	100.6	23.2	Y200L-4	30	2920
		19.6	98.4	40.5	Y250M-4	55	
		29.4	96.5	57.9	Y280S-4	75	
		39.2	95.0	75.3	Y280M-4	90	
		49.0	93.6	92.7	Y315S-4	110	
		58.8	92.4	110.1	Y315M-4	132	
		68.6	91.3	127.5	Y315L1-4	160	

3HF-240 型罗茨鼓风机性能参数表

转速 r/min	理论 流量 m ³ /min	升压 kPa	流量 m ³ /min	轴 功率 kW	配套电机		机组 最大 重量 kg
					型 号	功率 kW	
650	57.7	9.8	51.3	14	Y200L1-6	18.5	4450
		19.6	49.1	23	Y225M-6	30	
		29.4	47.5	34	Y280S-6	45	
		39.2	46.1	43	Y280M-6	55	
		49.0	44.8	53	Y315S-6	75	
		58.8	43.6	62	Y315S-6	75	
		68.6	42.6	72	Y315M-6	90	
		78.4	41.6	82	Y315L1-6	110	
		88.2	40.6	92	Y315L1-6	110	
730 *	64.8	9.8	58.4	15	Y225S-8	18.5	3890
		19.6	56.2	26	Y250M-8	30	
		29.4	54.6	38	Y280M-8	45	
		39.2	53.2	48	Y315S-8	55	
		49.0	51.9	59	Y315M-8	75	
		58.8	50.7	70	Y315L1-8	90	
		68.6	49.7	81	Y315L1-8	90	
		78.4	48.7	92	Y315L2-8	110	
		88.2	47.7	103	Y355M1-8	132	
		98.0	46.9	114	Y355M1-8	132	
800	71.1	9.8	64.7	17	Y200L2-6	22	4160
		19.6	62.5	29	Y250M-6	37	
		29.4	60.9	41	Y280M-6	55	
		39.2	59.5	53	Y315S-6	75	
		49.0	58.2	64	Y315S-6	75	
		58.8	57	76	Y315M-6	90	
		68.6	56	89	Y315L1-6	110	
		78.4	55	101	Y315L2-6	132	
		88.2	54	113	Y315L2-6	132	
		98.0	53.2	125	Y355M1-6	160	
880	78.1	9.8	71.7	18	Y200L2-6	22	4160
		19.6	69.5	32	Y250M-6	37	
		29.4	67.9	45	Y280M-6	55	
		39.2	66.5	58	Y315S-6	75	
		49.0	65.2	71	Y315M-6	90	
		58.8	64.0	85	Y315L1-6	110	
		68.6	63.0	97	Y315L1-6	110	
		78.4	62.0	111	Y315L2-6	132	
		88.2	61.0	124	Y355M1-6	160	
		98.0	60.2	138	Y355M1-6	160	
980 *	87.1	9.8	80.7	20	Y200L2-6	22	4250
		19.6	78.5	35	Y280S-6	45	
		29.4	76.9	50	Y280M-6	55	
		39.2	75.5	64	Y315S-6	75	
		49.0	74.2	79	Y315M-6	90	
		58.8	73.0	94	Y315L1-6	110	
		68.6	72.0	109	Y315L2-6	132	
		78.4	71.0	124	Y355M1-6	160	
		88.2	70.0	139	Y355M1-6	160	
		98.0	69.2	153	Y355M2-6	185	

注：1.* 所示转速的罗茨鼓风机采用联轴器传动，其余采用皮带轮传动。

2. 内性能点罗茨鼓风机采用中间轴皮带轮传动。

3. 表示该电机防护等级IP23，其余电机为IP44，电压380V。

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

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

3.Motor protection class IP23 for types marked with" ",IP44 for others,voltage 380V.

3H 系列三叶罗茨鼓风机性能参数表 TECHNICAL DATA OF SERIES 3H TYPE ROOTS BLOWERS

3HF-245 型罗茨鼓风机性能参数表

转速 r/min	理论 流量 m ³ /min	升压 kPa	流量 m ³ /min	轴 功率 kW	配套电机 型 号	功率 kW	机组 最大 重量 kg
650	72.2	9.8	64.1	17	Y200L2-6	22	3630
		19.6	61.5	29	Y250M-6	37	
		29.4	59.5	41	Y280M-6	55	
		39.2	57.7	53	Y315S-6	75	
		49.0	56.2	66	Y315S-6	75	
		58.8	54.7	78	Y315M-6	90	
		68.6	53.3	89	Y315L1-6	110	
		78.4	52.0	102	Y315L2-6	132	
		88.2	50.7	114	Y315L2-6	132	
		98.0	49.7	126	Y355M1-6	160	
730 *	81.1	9.8	73.0	18	Y225M-8	22	3980
		19.6	70.4	32	Y280S-8	37	
		29.4	68.4	46	Y315S-8	55	
		39.2	66.6	59	Y315M-8	75	
		49.0	65.1	73	Y315L1-8	90	
		58.8	63.6	87	Y315L2-8	110	
		68.6	62.2	101	Y315L2-8	110	
		78.4	60.9	114	Y355M1-8	132	
		88.2	59.6	127	Y355M2-8	160	
		98.0	58.6	142	Y355M2-8	160	
800	88.9	9.8	80.8	20	Y225M-6	30	4260
		19.6	78.2	36	Y280S-6	45	
		29.4	76.2	50	Y315S-6	75	
		39.2	74.4	66	Y315S-6	75	
		49.0	72.9	80	Y315M-6	90	
		58.8	71.4	95	Y315L1-6	110	
		68.6	70.0	110	Y315L2-6	132	
		78.4	68.7	125	Y355M1-6	160	
		88.2	67.4	140	Y355M1-6	160	
		98.0	66.4	155	Y355M2-6	185	
880	97.7	9.8	89.6	22	Y225M-6	30	4260
		19.6	87.0	39	Y280S-6	45	
		29.4	85.0	55	Y315S-6	75	
		39.2	83.2	72	Y315M-6	90	
		49.0	81.7	88	Y315L1-6	110	
		58.8	80.2	105	Y315L2-6	132	
		68.6	78.8	121	Y355M1-6	160	
		78.4	77.5	138	Y355M1-6	160	
		88.2	76.2	154	Y355M2-6	185	
		98.0	75.2	171	Y355M3-6	200	
980 *	108.9	9.8	100.8	24	Y225M-6	30	3690
		19.6	98.2	43	Y280M-6	55	
		29.4	96.2	61	Y315S-6	75	
		39.2	94.4	80	Y315M-6	90	
		49.0	92.9	99	Y315L1-6	110	
		58.8	91.4	116	Y315L2-6	132	
		68.6	90.0	135	Y355M1-6	160	
		78.4	88.7	153	Y355M2-6	185	
		88.2	87.4	171	Y355M3-6	200	
		98.0	86.4	189	Y355L1-6	220	

3HF-250 型罗茨鼓风机性能参数表

转速 r/min	理论 流量 m ³ /min	升压 kPa	流量 m ³ /min	轴 功率 kW	配套电机 型 号	功率 kW	机组 最大 重量 kg
650	89.9	9.8	79.0	20	Y225M-6	30	4450
		19.6	76.3	36	Y280S-6	45	
		29.4	74.1	50	Y315S-6	75	
		39.2	72.2	66	Y315S-6	75	
		49.0	70.4	81	Y315M-6	90	
		58.8	68.8	95	Y315L1-6	110	
		68.6	67.2	111	Y315L2-6	132	
		78.4	65.8	125	Y355M1-6	160	
		88.2	64.4	141	Y355M1-6	160	
730 *	100.9	9.8	90.0	22	Y250M-8	30	4250
		19.6	87.3	40	Y280M-8	45	
		29.4	85.1	56	Y315M-8	75	
		39.2	83.2	73	Y315L1-8	90	
		49.0	81.4	90	Y315L2-8	110	
		58.8	79.8	107	Y355M1-8	132	
		68.6	78.2	124	Y355M1-8	132	
		78.4	76.8	141	Y355M2-8	160	
		88.2	75.4	158	Y355L1-8	185	
		98.0	74.1	167	Y355L1-8	185	
800	110.6	9.8	99.7	24	Y225M-6	30	4450
		19.6	97.0	43	Y280M-6	55	
		29.4	94.8	61	Y315S-6	75	
		39.2	92.9	80	Y315M-6	90	
		49.0	91.1	99	Y315L1-6	110	
		58.8	89.5	117	Y315L2-6	132	
		68.6	87.9	136	Y355M1-6	160	
		78.4	86.5	154	Y355M2-6	185	
		88.2	85.1	173	Y355M3-6	200	5340
		98.0	83.8	191	Y355L1-6	220	
880	121.7	9.8	111	27	Y225M-6	30	4450
		19.6	108.3	47	Y280M-6	55	
		29.4	105.9	68	Y315S-6	75	
		39.2	104	88	Y315L1-6	110	
		49.0	102.2	109	Y315L2-6	132	
		58.8	100.6	130	Y355M1-6	160	
		68.6	99.0	149	Y355M1-6	160	
		78.4	97.6	170	Y355M3-6	200	
		88.2	96.2	190	Y355M3-6 ■	220	5260
		98.0	94.9	211	Y355M4-6 ■	250	
980 *	135.5	9.8	124.6	30	Y250M-6	37	4500
		19.6	121.9	53	Y315S-6	75	
		29.4	119.7	75	Y315M-6	90	
		39.2	117.8	99	Y315L1-6	110	
		49.0	116	121	Y315L2-6	132	
		58.8	114.4	144	Y355M1-6	160	
		68.6	112.8	167	Y355M2-6	185	
		78.4	111.4	189	Y355L1-6	220	
		88.2	110	212	Y355L2-6	250	
		98.0	108.7	235	Y355L2-6	250	

注：1.* 所示转速的罗茨鼓风机采用联轴器传动，其余采用皮带轮传动。

2. □ 内性能点罗茨鼓风机采用中间轴皮带轮传动。

3. ■ 表示该电机防护等级IP23，其余电机为IP44，电压380V。

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

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

3.Motor protection class IP23 for types marked with"■",IP44 for others,voltage 380V.

3H 系列三叶罗茨鼓风机性能参数表

TECHNICAL DATA OF SERIES 3H TYPE ROOTS BLOWERS

3HF-290 型罗茨鼓风机性能参数表

转速 r/min	理论 流量 m ³ /min	升压 kPa	流量 m ³ /min	轴 功率 kW	配套电机		机组 最大 重量 kg
					型 号	功率 kW	
650	105.9	9.8	95.6	23	Y225M-6	30	4890
		19.6	91.7	41	Y280M-6	55	
		29.4	88.7	59	Y315S-6	75	
		39.2	86.3	77	Y315M-6	90	
		49.0	84.1	94	Y315L1-6	110	
		58.8	82.2	112	Y315L2-6	132	
		68.6	80.5	130	Y355M1-6	160	
		78.4	79.1	147	Y355M1-6	160	
730 *	119.0	9.8	108.7	26	Y250M-8	30	4760
		19.6	104.8	47	Y315S-8	55	
		29.4	101.8	67	Y315M-8	75	
		39.2	99.4	86	Y315L2-8	110	
		49.0	97.2	107	Y355M1-8	132	
		58.8	95.3	126	Y355M2-8	160	
		68.6	93.6	146	Y355M2-8	160	
		78.4	92.2	166	Y355L1-8	185	
800	130.3	9.8	120	28	Y250M-6	37	4940
		19.6	116.1	50	Y280M-6	55	
		29.4	113.1	73	Y315M-6	90	
		39.2	110.7	94	Y315L1-6	110	
		49.0	108.5	116	Y315L2-6	132	
		58.8	106.6	139	Y355M1-6	160	
		68.6	104.9	160	Y355M2-6	185	
		78.4	103.5	182	Y355M3-6	200	5640
880	143.4	9.8	133.1	31	Y250M-6	37	4940
		19.6	129.2	55	Y315S-6	75	
		29.4	126.2	79	Y315M-6	90	
		39.2	123.8	104	Y315L2-6	132	
		49.0	121.6	127	Y355M1-6	160	
		58.8	119.7	151	Y355M2-6	185	
		68.6	118	175	Y355M3-6	200	4980
		78.4	116.6	199	Y355M3-6 ■	220	
980 *	159.8	9.8	149.5	35	Y250M-6	37	4710
		19.6	145.6	61	Y315S-6	75	
		29.4	142.6	88	Y315L1-6	110	
		39.2	140.2	114	Y315L2-6	132	
		49.0	138	141	Y355M1-6	160	
		58.8	136.1	167	Y355M2-6	185	
		68.6	134.4	193	Y355L1-6	220	
		78.4	133	220	Y355L2-6	250	

3HF-295 型罗茨鼓风机性能参数表

转速 r/min	理论 流量 m ³ /min	升压 kPa	流量 m ³ /min	轴 功率 kW	配套电机		机组 最大 重量 kg
					型 号	功率 kW	
650	112.3	9.8	100.7	24	Y225M-6	30	4890
		19.6	96.9	44	Y280M-6	55	
		29.4	94.0	62	Y315S-6	75	
		39.2	91.4	81	Y315M-6	90	
		49.0	89.3	99	Y315L1-6	110	
		58.8	87.4	118	Y315L2-6	132	
		68.6	85.8	137	Y355M1-6	160	
		78.4	84.4	156	Y355M2-6	185	5580
730 *	126.1	9.8	114.6	27	Y250M-8	30	4760
		19.6	110.8	49	Y315S-8	55	
		29.4	107.9	70	Y315L1-8	90	
		39.2	105.3	91	Y315L2-8	110	
		49.0	103.2	112	Y355M1-8	132	
		58.8	101.3	132	Y355M2-8	160	
		68.6	99.6	154	Y355L1-8	185	
		78.4	98.2	175	Y355L2-8	200	
800	138.1	9.8	126.5	30	Y250M-6	37	5180
		19.6	122.7	53	Y315S-6	75	
		29.4	119.8	77	Y315M-6	90	
		39.2	117.2	99	Y315L1-6	110	
		49.0	114.1	122	Y315M1-6	160	
		58.8	113.2	146	Y355M2-6	185	
		68.6	111.6	168	Y355M2-6	185	5750
		78.4	110.2	191	Y355L1-6	220	
880	152.0	9.8	140.4	33	Y250M-6	37	4940
		19.6	136.6	58	Y315S-6	75	
		29.4	133.7	84	Y315L1-6	110	
		39.2	131.1	109	Y315L2-6	132	
		49.0	129.0	134	Y355M1-6	160	
		58.8	127.1	160	Y355M2-6	185	
		68.6	125.5	185	Y355M3-6 ■	220	5590
		78.4	124.1	211	Y355M4-6 ■	250	
980 *	169.3	9.8	157.7	37	Y280S-6	45	4880
		19.6	153.9	65	Y315S-6	75	
		29.4	151.0	93	Y315L1-6	110	
		39.2	148.4	121	Y315L2-6	132	
		49.0	146.3	150	Y355M2-6	185	
		58.8	144.4	178	Y355M3-6	200	
		68.6	142.8	206	Y355L2-6	250	
		78.4	141.4	234	Y355L1-6 ■	280	

注：1.* 所示转速的罗茨鼓风机采用联轴器传动，其余采用皮带轮传动。

2. □ 内性能点罗茨鼓风机采用中间轴皮带轮传动。

3. ■ 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。

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

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

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

3H 系列三叶罗茨鼓风机性能参数表
TECHNICAL DATA OF SERIES 3H TYPE ROOTS BLOWERS

3HF-300 型罗茨鼓风机性能参数表

转速 r/min	理论 流量 m ³ /min	升压 kPa	流量 m ³ /min	轴 功率 kW	配套电机		机组 最大 重量 kg
					型 号	功率 kW	
650	138.0	9.8	125	30	Y250M-6	37	5330
		19.6	120.9	53	Y315S-6	75	
		29.4	117.7	76	Y315M-6	90	
		39.2	114.8	100	Y315L2-6	132	
		49	112.2	122	Y355M1-6	160	
		58.8	109.8	145	Y355M1-6	160	
		68.6	107.7	168	Y355M2-6	185	6130
		78.4	105.8	191	Y355L1-6	220	
730 *	155.0	9.8	142	34	Y280S-8	37	5230
		19.6	137.9	59	Y315M-8	75	
		29.4	134.7	85	Y315L1-8	90	
		39.2	131.8	111	Y355M1-8	132	
		49.0	129.2	137	Y355M2-8	160	
		58.8	126.8	163	Y355L1-8	185	
		68.6	124.7	188	Y355L2-8	200	
		78.4	122.8	214	Y400-8 ●	250	
800	169.9	9.8	156.9	37	Y280S-6	45	5530
		19.6	152.8	66	Y315S-6	75	
		29.4	149.6	93	Y315L1-6	110	
		39.2	146.7	122	Y355M1-6	160	
		49.0	144.1	150	Y355M2-6	185	
		58.8	141.7	178	Y355M3-6	200	6070
		68.6	139.6	207	Y355M4-6 ■	250	
		78.4	137.7	235	Y400-6 ●	280	
880	186.9	9.8	173.9	41	Y280M-6	55	5470
		19.6	169.8	72	Y315M-6	90	
		29.4	166.6	103	Y315L2-6	132	
		39.2	163.7	134	Y355M1-6	160	
		49.0	161.1	165	Y355M2-6	185	
		58.8	158.7	197	Y355M3-6 ■	220	6540
		68.6	156.6	228	Y400-6 ●	280	
		78.4	154.7	259	Y400-6 ●	315	
980 *	208.2	9.8	195.2	45	Y280M-6	55	5520
		19.6	191.1	79	Y315M-6	90	
		29.4	187.9	114	Y315L2-6	132	
		39.2	185	149	Y355M1-6	160	
		49.0	182.4	184	Y355M3-6	200	
		58.8	180	218	Y355L2-6	250	
		68.6	177.9	253	Y400-6 ●	280	
		78.4	176	287	Y400-6 ●	315	

3HF-350 型罗茨鼓风机性能参数表

转速 r/min	理论 流量 m ³ /min	升压 kPa	流量 m ³ /min	轴 功率 kW	配套电机		机组 最大 重量 kg
					型 号	功率 kW	
650	163.6	9.8	149.3	35	Y280S-6	45	5210
		19.6	144.3	62	Y315S-6	75	
		29.4	140.3	90	Y315L1-6	110	
		39.2	136.8	117	Y315L2-6	132	
		49.0	133.7	144	Y355M1-6	160	
		58.8	131.0	171	Y355M3-6	200	6470
730 *	183.8	9.8	169.5	40	Y280M-8	45	5530
		19.6	164.5	69	Y315M-8	75	
		29.4	160.5	101	Y315L2-8	110	
		39.2	157	131	Y355M2-8	160	
		49.0	153.9	162	Y355L1-8	185	
		58.8	151.2	192	Y355L1-8 ■	220	
800	201.3	9.8	187	43	Y280M-6	55	5910
		19.6	182	78	Y315M-6	90	
		29.4	178	110	Y315L2-6	132	
		39.2	174.5	143	Y355M1-6	160	
		49.0	171.4	177	Y355M3-6	200	6670
		58.8	168.7	210	Y355L2-6	250	
880	221.6	9.8	207.3	47	Y280M-6	55	5910
		19.6	202.3	85	Y315L1-6	110	
		29.4	198.3	121	Y355M1-6	160	
		39.2	194.8	158	Y355M2-6	185	
		49.0	191.7	195	Y355M3-6 ■	220	6610
		58.8	189	231	Y355L1-6 ■	280	
980 *	246.7	9.8	232.4	52	Y315S-6	75	5670
		19.6	227.4	94	Y315L1-6	110	
		29.4	223.4	135	Y355M1-6	160	
		39.2	219.9	175	Y355M3-6	200	
		49.0	216.8	216	Y355L2-6	250	
		58.8	214.1	257	Y400-6 ●	280	

注：1.* 所示转速的罗茨鼓风机采用联轴器传动，其余采用皮带轮传动。

2. □ 内性能点罗茨鼓风机采用中间轴皮带轮传动。

3. ■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。

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

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

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

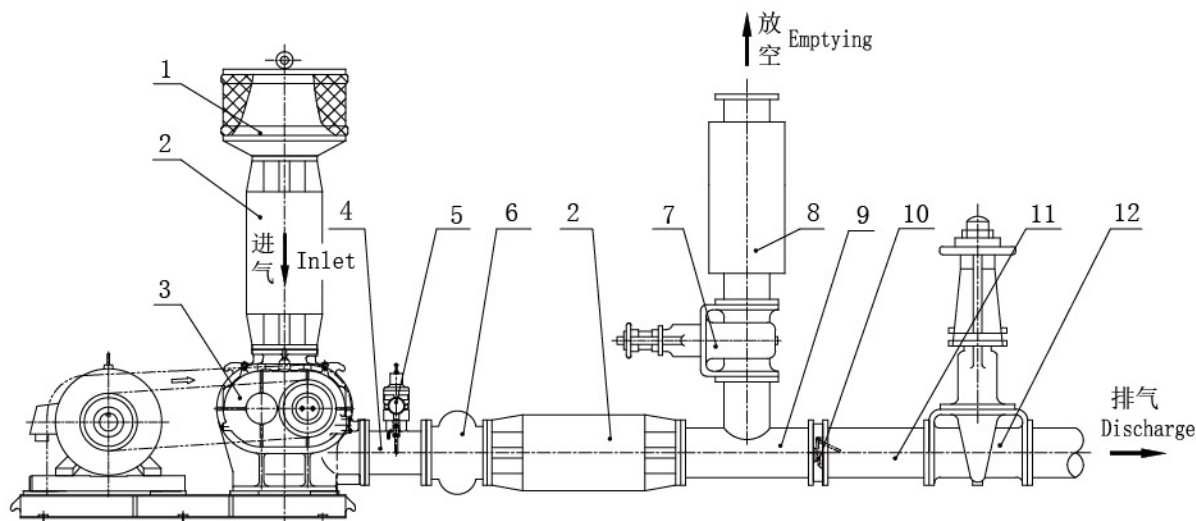
■ 有关技术资料

Relative Technical Data

机 型 Type	主机重量 Blower Weight (kg)	主机轴 GD ² Main Shaft (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 Lubrication Oil Capacity (L)	
						驱动侧轴承箱 Secondary Oil Tank	齿轮箱 Main Oil Tank
3HD-100	295	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)
3HD-125	360	1.96	2.5			0.6 (水冷) (Water Cooling)	2.4 (水冷) (Water Cooling)
3HD-127	410	2.3	3				
3HD-130	410	2.75	3.5				
3HD-150	530	4.0	4				
3HE-140	890	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)
3HE-145	890	10.05	5			1.2 (水冷) (Water Cooling)	6.0 (水冷) (Water Cooling)
3HE-150	950	12.27	6				
3HE-190	1150	14.75	7.5				
3HE-200	1150	17.55	9				
3HE-250	1350	21.65	12		15~18	10 (空冷) (Air Cooling)	40 (空冷) (Air Cooling)
3HF-240	2000	85	14			7.0 (水冷) (Water Cooling)	26 (水冷) (Water Cooling)
3HF-245	2000	100	17				
3HF-250	2280	120	21				
3HF-290	2660	137	26				
3HF-295	2660	144	27				
3HF-300	3000	172	33				
3HF-350	3450	200	39				

■ 罗茨鼓风机配管布置简图

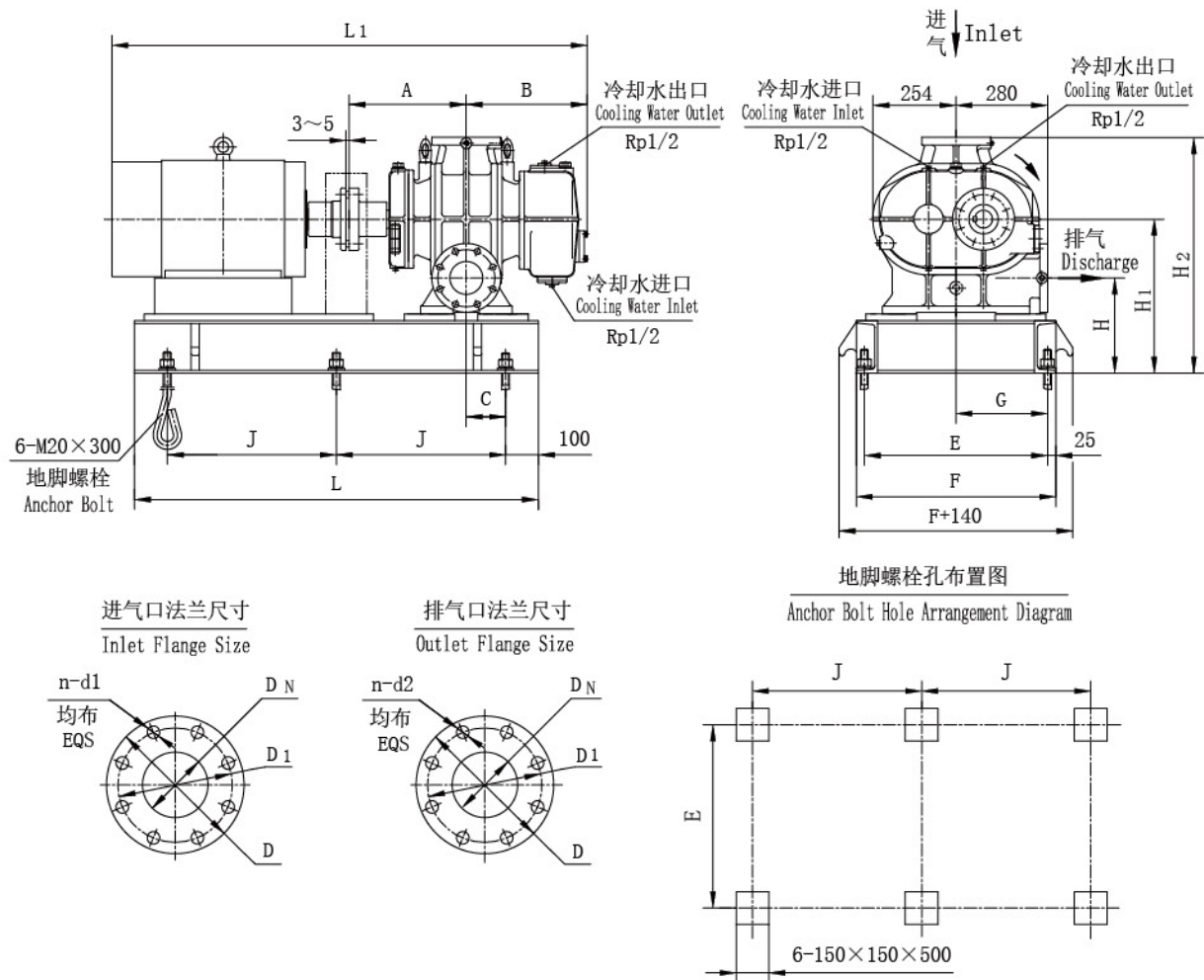
Rotary Blower Installation Sample



1. 滤清器 2. 消声器 3. 鼓风机 4. 泄压阀装置 5. 压力表 6. 弹性接头
7. 放空闸阀 8. 放空消声器 9. 放空接头 10. 单向阀 11. 连接管 12. 闸阀

1. Air Filter 2. Silencer 3. Rotary Blower 4. Relief Valve Assembly
5. Pressure Gauge 6. Flexible Joint 7. Emptying Gate Valve 8. Emptying Silencer
9. Emptying Joint 10. Non-return Valve 11. Connecting Pipe 12. Gate Valve

3HD型罗茨鼓风机直联传动外形图
DIRECT DRIVE OUTLINE DRAWING FOR MODEL 3HD ROTARY BLOWER



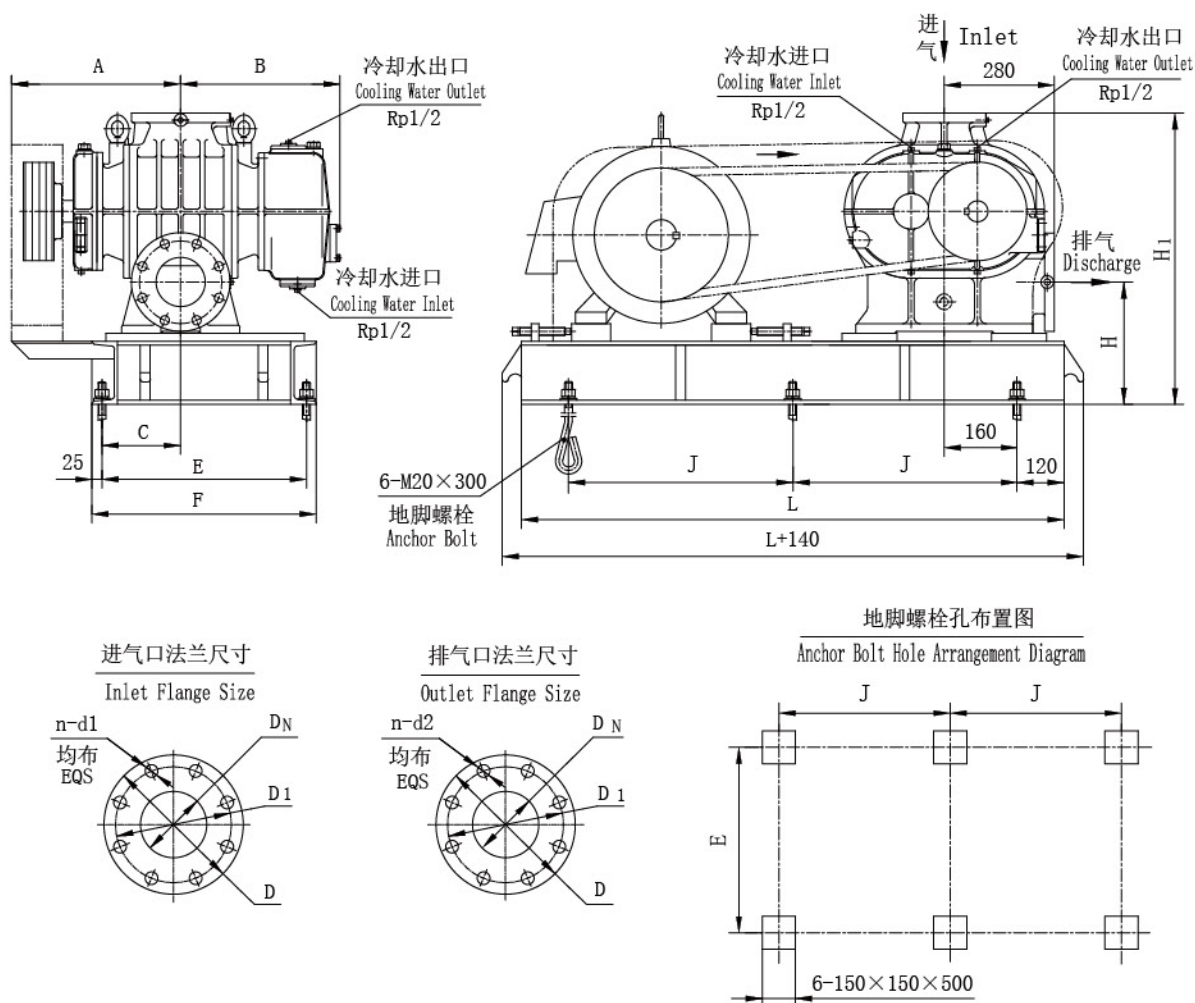
主机型号 Blower Type	配套电机 Motor	A	B	C	E	F	G	J	L	L ₁ (max)	H	H ₁	H ₂	D _N	D ₁	D	n-d1	n-d2
3HD-100	Y132, Y160 Y180	365	362	120	560	610	290	500	1200	1442	290	470	720	φ 100	φ 180	φ 220		
3HD-125	Y132, Y160, Y180 Y200, Y225	400	397	125	580	630	325	550	1300	1627				φ 125		φ 250	8-φ 18	8-φ 18
3HD-127 130	Y132, Y160, Y180 Y200, Y225	490	457	170	615	665	350	630	1460	1802	310	490	740	φ 130	φ 210			
3HD-150	Y160, Y180, Y200 Y225	530	497	205	590	640	335	670	1540	1882	330	480	805	φ 150	φ 240	φ 285	8-φ 22	8-M20

注：冷却水进口温度≤25℃，冷却水压力196~294kPa，冷却水流量8~10L/min；
当升压低于39.2kPa时，不需要水冷却。

Note: Cooling water temperature: ≤25℃, Cooling water pressure: 196~294kPa, Cooling water flow: 8~10L/min
If pressure rise less than 39.2kPa, cooling water is not needed.

3HD型罗茨鼓风机皮带传动外形图

BELT DRIVE OUTLINE DRAWING FOR MODEL 3HD ROTARY BLOWER



主机型号 Blower Type	配套电机 Motor	A	B	C	E	F	J	L	H	H ₁	D _N	D ₁	D	n-d1	n-d2		
3HD-100	Y112, Y132	400	362	310	510	560	495	1230	290	720	φ 100	φ 180	φ 220	8-φ 18	8-φ 18		
	250																
	240																
3HD-125	Y112, Y132	440	397	350	550	600	480	1200	310	740	φ 125	φ 210	φ 250	8-φ 18	8-φ 18		
	255			520			1280										
	Y200, Y225			560			1360										
3HD- ¹²⁷ ₁₃₀	Y132	525	457	425	665	715	470	1180	310	740	φ 130	φ 210	φ 250	8-φ 18	8-φ 18		
	Y160, Y180			360			600	650								560	1360
	Y200, Y225															620	1480
3HD-150	Y132	565	497	460	725	775	460	1160	330	805	φ 150	φ 240	φ 285	8-φ 22	8-M20		
	Y160, Y180			395			660	710								560	1360
	Y200, Y225																
	Y250																

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

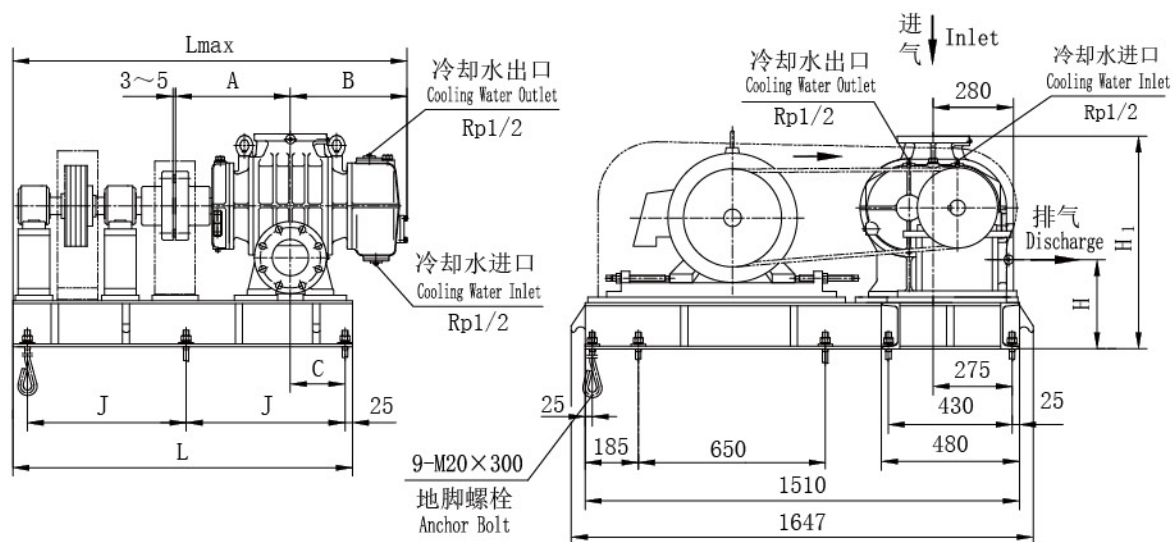
当升压低于39.2kPa时，不需要水冷却。

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

If pressure rise less than 39.2kPa, cooling water is not needed.

3HD型罗茨鼓风机带中间轴皮带传动外形图

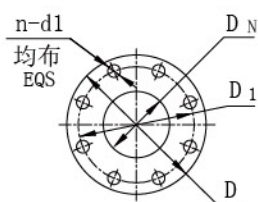
OUTLINE DRAWING OF BELT DRIVE WITH COUNTER SHAFT FOR MODEL 3HD ROTARY BLOWER



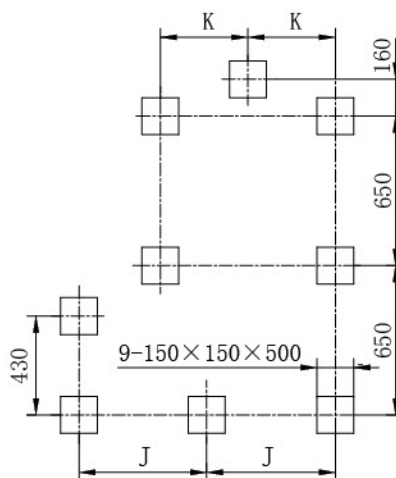
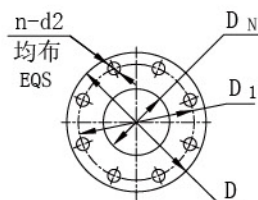
进气口法兰尺寸
Inlet Flange Size

地脚螺栓孔布置图

Anchor Bolt Hole Arrangement Diagram



排气口法兰尺寸
Outlet Flange Size



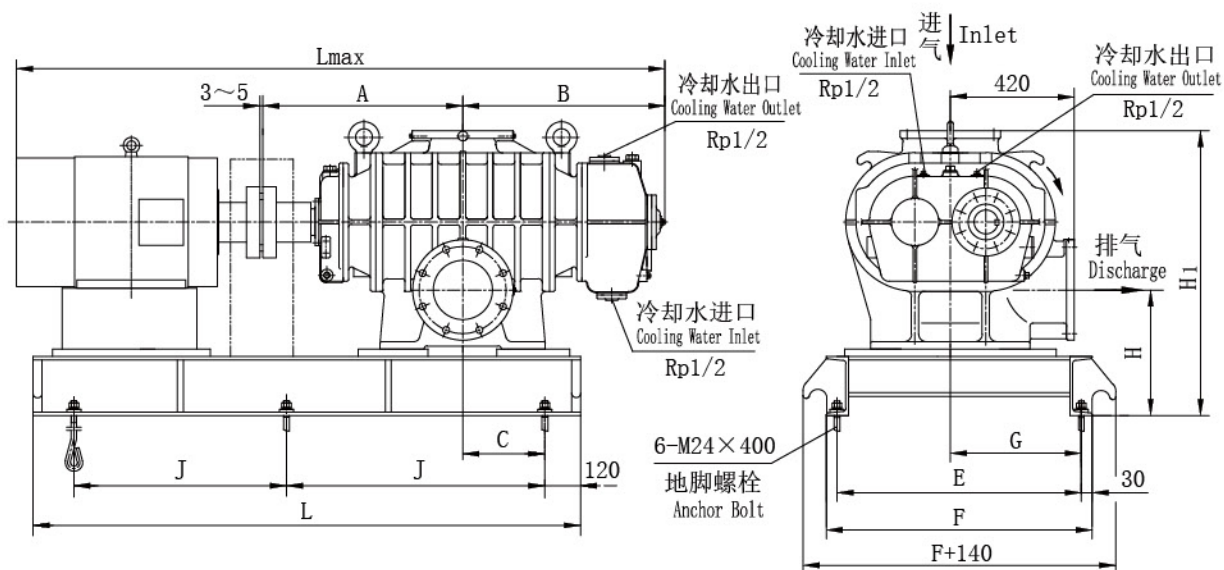
主机型号 Blower Type	配套电机 Motor	A	B	C	H	H ₁	J	K	L	L _{max}	D _N	D ₁	D	n-d1	n-d2
3HD-125	Y225, Y250	400	397	190	310	740	550	380	1180	1370	Φ 125	Φ 210	Φ 250	8- Φ 18	8- Φ 18
3HD-127 130	Y225, Y250 Y280	490	457	250			625	455	1330	1520	Φ 130				
3HD-150	Y225, Y250	530	497	280	340	815	660	490	1400	1600	Φ 150	Φ 240	Φ 285	8- Φ 22	8-M20

注：冷却水进口温度 $\leq 25^{\circ}\text{C}$ ，冷却水压力196~294kPa，冷却水流量 8~10L/min。

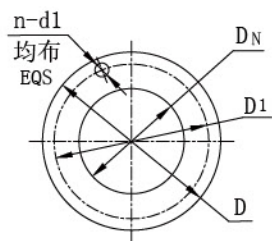
Note: Cooling water temperature: $\leq 25^{\circ}\text{C}$, Cooling water pressure: 196~294kPa, Cooling water flow: 8~10L/min

3HE型罗茨鼓风机直联传动外形图

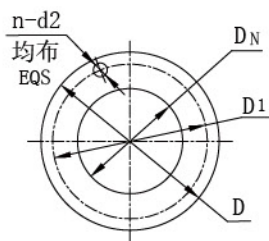
DIRECT DRIVE OUTLINE DRAWING FOR MODEL 3HE ROTARY BLOWER



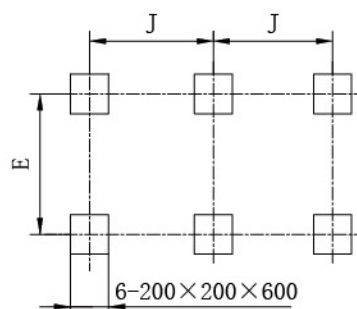
进气口法兰尺寸
Inlet Flange Size



排气口法兰尺寸
Outlet Flange Size



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



主机型号 Blower Type	配套电机 Motor	A	B	C	E	F	G	H	H 1	J	L	Lmax	DN	D 1	D	n-d1	n-d2
3HE-140	Y160, Y180, Y200 Y225, Y250, Y280	510	525	105	705	765	385	350	900	645	1530	1645 2040	φ 150	φ 240	φ 285	8- φ 22	8-M20
3HE-145		535	550							685	1610	1740 2140					
3HE-150	Y160, Y180, Y200, Y225 Y250, Y280, Y315	535	590	140	802	862	482	360	910	753	1745	1785 2350	φ 150	φ 240	φ 285		8- φ 22
3HE-190 200	Y180, Y200, Y225 Y250, Y280, Y315	675	685	230				400	940	892	2025	2075 2705	φ 200	φ 295	φ 340		
3HE-250	Y200, Y225, Y250 Y280, Y315	750	760	315				410	1020	972	2185	2290 2855	φ 250	φ 350	φ 395	12- φ 22	12- φ 22

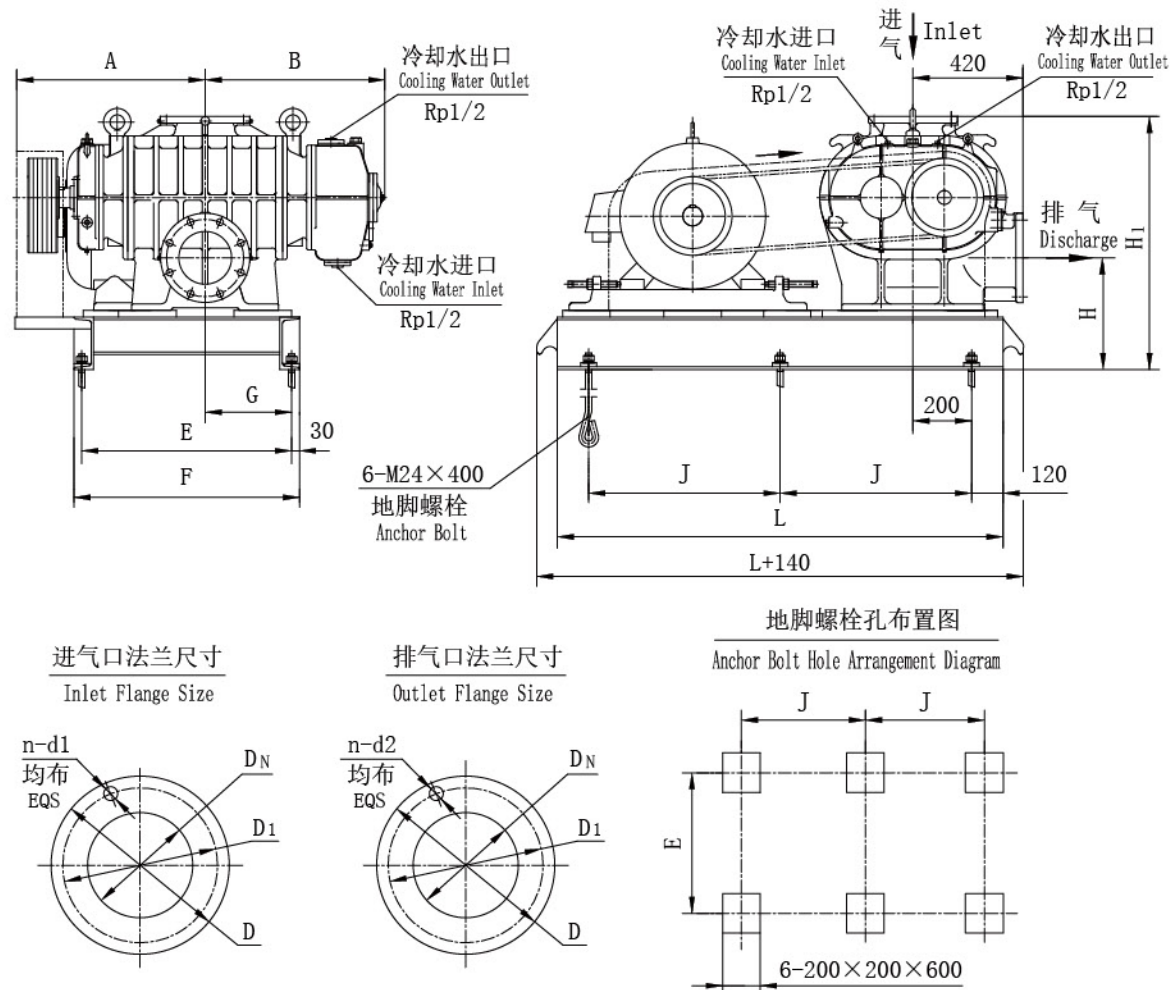
注：冷却水进口温度 $\leq 25^{\circ}\text{C}$ ，冷却水压力196~294kPa，冷却水流量10~13L/min；

当升压低于39.2kPa时，不需要水冷却。

Note: Cooling water temperature: $\leq 25^{\circ}\text{C}$, Cooling water pressure: 196~294kPa, Cooling water flow: 10~13L/min

If pressure rise less than 39.2kPa, cooling water is not needed.

3HE型罗茨鼓风机皮带传动外形图
BELT DRIVE OUTLINE DRAWING FOR MODEL 3HE ROTARY BLOWER

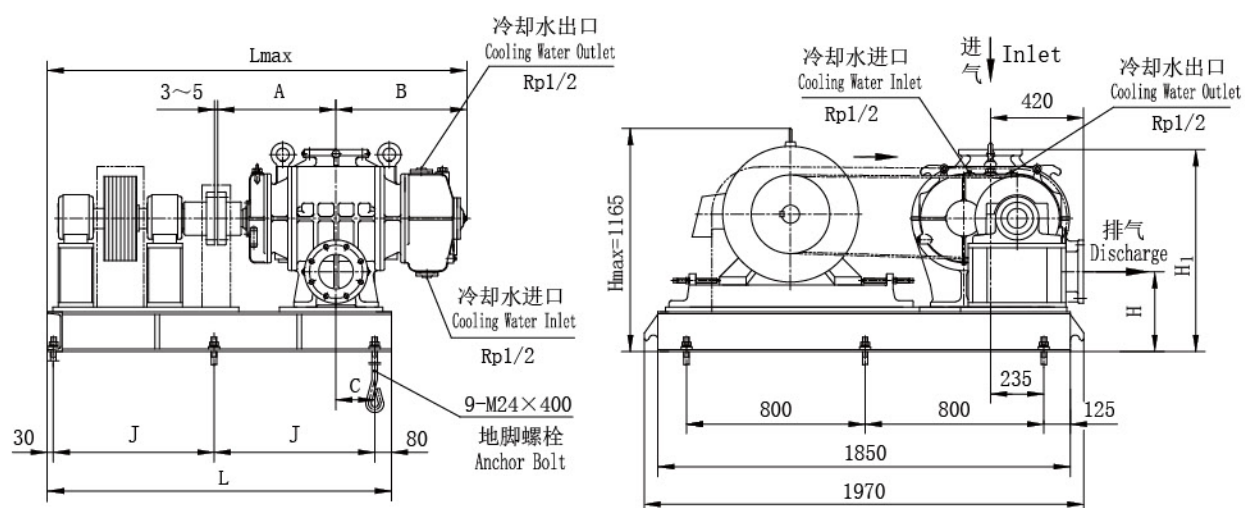


主机型号 Blower Type	配套电机 Motor	A	B	E	F	G	H	H ₁	J	L	D _N	D ₁	D	n-d1	n-d2					
3HE-140	Y160, Y180, Y200, Y225	560	525	540	600	180	350	900	630	1500	φ 150	φ 240	φ 285	8- φ 22	8-M20					
	Y250, Y280	580		550	610	240			680	1600										
3HE-145	Y160, Y180, Y200, Y225	560	550	540	600	180			630	1500						φ 150	φ 240	φ 285	8- φ 22	8-M20
	Y250, Y280	580		550	610	240			680	1600										
3HE-150	Y160, Y180, Y200, Y225	560	590	575	635	215	360	910	630	1500	φ 200	φ 295	φ 340	12- φ 22	12- φ 22					
	Y250, Y280	580		650	710	335			705	1650										
	Y315	605		725	785	405			720	1780										
3HE-190 3HE-200	Y160, Y180, Y200, Y225	700	685	820	880	300	400	940	655	1550						φ 200	φ 295	φ 340	12- φ 22	12- φ 22
	Y250, Y280, Y315	720		740	800				730	1700										
3HE-250	Y180, Y200	780	760	990	1050	390	410	1020	595	1430	φ 250	φ 350	φ 395	12- φ 22	12- φ 22					
	Y225, Y250	800		940	1000				680	1600										
	Y280, Y315								755	1750										

注：冷却水进口温度≤25℃，冷却水压力196～294kPa，冷却水流量10～13L/min；
当升压低于39.2kPa时，不需要水冷却。
Note: Cooling water temperature: ≤25℃, Cooling water pressure: 196～294kPa, Cooling water flow: 10～13L/min
If pressure rise less than 39.2kPa, cooling water is not needed.

3HE型罗茨鼓风机带中间轴皮带传动外形图

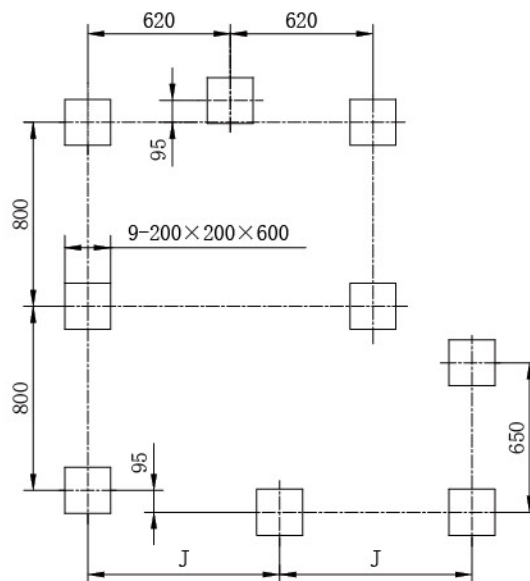
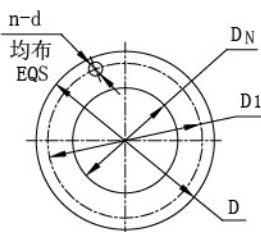
OUTLINE DRAWING OF BELT DRIVE WITH COUNTER SHAFT FOR MODEL 3HE ROTARY BLOWER



地脚螺栓孔布置图

Anchor Bolt Hole Arrangement Diagram

进、排气口法兰尺寸
Inlet and Outlet Flange Size



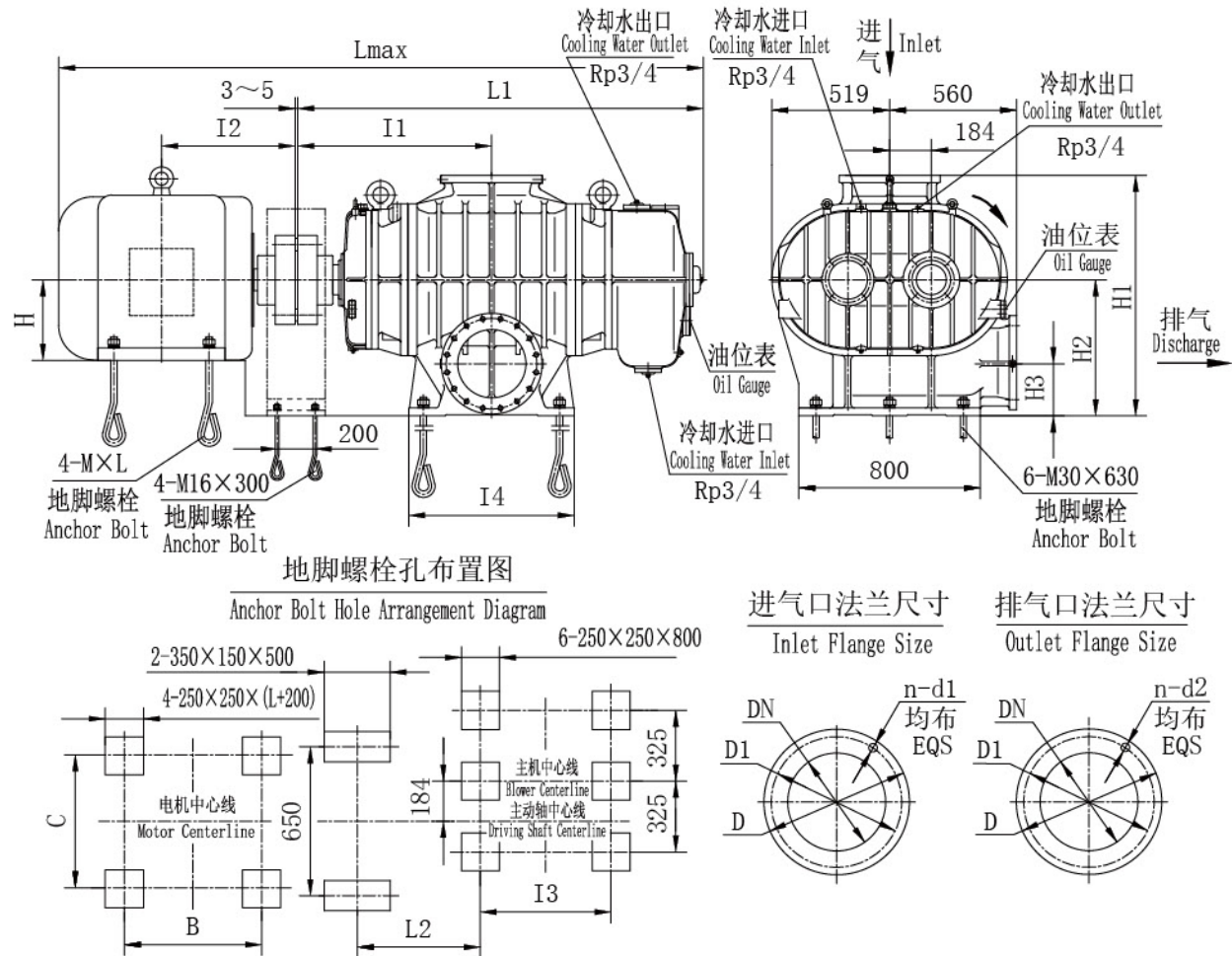
主机型号 Blower Type	配用电机 Motor	A	B	C	H	H ₁	J	L	L _{max}	D _N	D ₁	D	n-d
3HE-150	Y315	535	590	160	370	920	720	1550	1900	φ 150	φ 240	φ 285	8-φ 22
3HE-190 200	Y280, Y315	675	685	250	410	950	835	1780	2135	φ 200	φ 295	φ 340	
3HE-250	Y315	750	760	335		1020	915	1940	2285	φ 250	φ 350	φ 395	12-φ 22

注：冷却水进口温度 $\leq 25^{\circ}\text{C}$ ，冷却水压力196~294kPa，冷却水流量10~13L/min。

Note: Cooling water temperature: $\leq 25^{\circ}\text{C}$, Cooling water pressure: 196~294kPa,
Cooling water flow: 10~13L/min

3HF型罗茨鼓风机直联传动外形图

DIRECT DRIVE OUTLINE DRAWING FOR MODEL 3HF ROTARY BLOWER



主机型号(Blower Type)	H1	H2	H3	Lmax	L1	L2	I1	I3	I4	DN	D1	D	n-d1	n-d2
3HF- ²⁴⁰ ₂₄₅	1040	570	210	3120	1540	532	730	400	480	250	350	395	12-φ22	12-M20
3HF-250	1060	600	220	3230	1650	557	785	460	590					300
3HF- ²⁹⁰ ₂₉₅			230	3370	1790	557	855	600	730					
3HF-300	1090	630	250	4360	1950	582	935	710	860	350	460	505		16-φ22
3HF-350	1160	640	260	3695	2115	572	1020	900	1050					

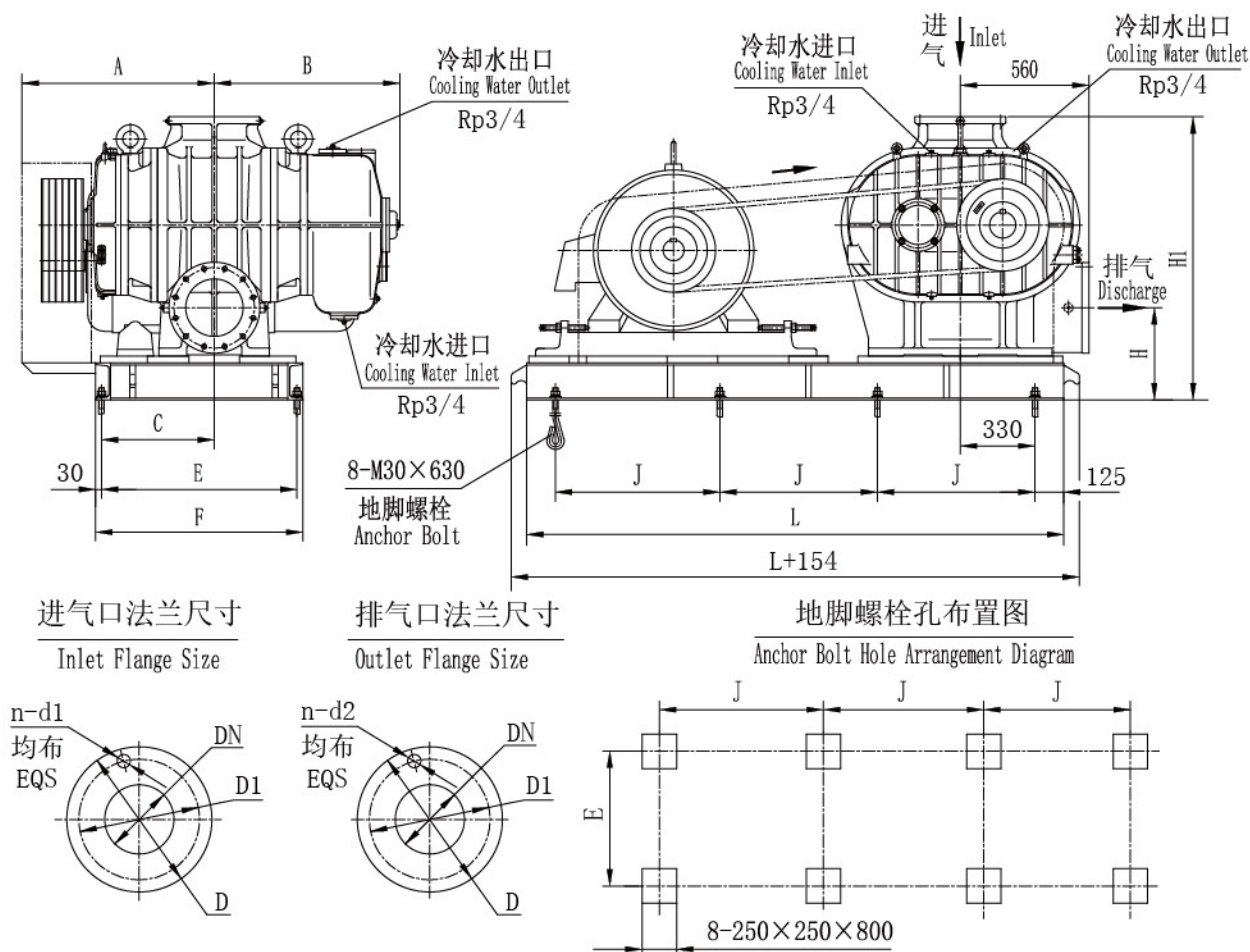
配套电机尺寸表 (Dimension of Motor)

配套电机 Motor	Y200	Y225		Y250	Y280		Y315			Y355		Y400
	L	S	M	M	S	M	S	M	L	M	L	
B	305	286	311	349	368	419	406	457	508	560	630	1000
C	318	356		406	457		508			610		710
H	200	225		250	280		315			355		400
M×L	M16×300			M20×300			M24×400					M30×630
I2	400	437	450	488	519	545	594	620	645	709	744	1050

注：冷却水进口温度≤25℃，冷却水压力 196~294kPa，冷却水流量 15~18L/min。
当升压低于 39.2kPa时，不需要水冷却。
Note: Cooling water temperature: ≤25℃, Cooling water pressure: 196~294kPa, Cooling water flow: 15~18L/min
If pressure rise is less than 39.2kPa, cooling water is not needed.

3HF型罗茨鼓风机皮带传动外形图

OUTLINE DRAWING OF BELT DRIVE FOR MODEL 3HF ROTARY BLOWER



主机型号 Blower type	配套电机 Motor	A	B	C	E	F	J	L	H	H1	DN	D1	D	n-d1	n-d2
3HF-240 245	Y200 Y225 Y250	765	810	600	860	920	530	1840	440	1270	Φ250	Φ350	Φ395	12-Φ22	12-M20
	Y280, Y315 Y355	835		505			710	2380							
3HF-250	Y225	815	865	605	925	985	560	1930	450	1290	Φ250	Φ350	Φ395	12-Φ22	12-Φ22
	Y280, Y315 Y355	890		565			710	2380							
3HF-290 295	Y225, Y250	890	935	630	1030	1090	550	1900	460	1290	Φ300	Φ400	Φ445	12-Φ22	12-Φ22
	Y280, Y315 Y355	960		590			710	2380							
3HF-300	Y250	970	1015	695	1150	1210	540	1870	480	1320	Φ300	Φ400	Φ445	12-Φ22	12-Φ22
	Y280, Y315 Y355	1045		665			710	2380							
3HF-350	Y280, Y315 Y355	1130	1095	780	1330	1390	710	2380	490	1390	Φ350	Φ460	Φ505	16-Φ22	16-Φ22

注：冷却水进口温度 $\leq 25^{\circ}\text{C}$ ，冷却水压力 196~294kPa，冷却水流量 15~18L/min；

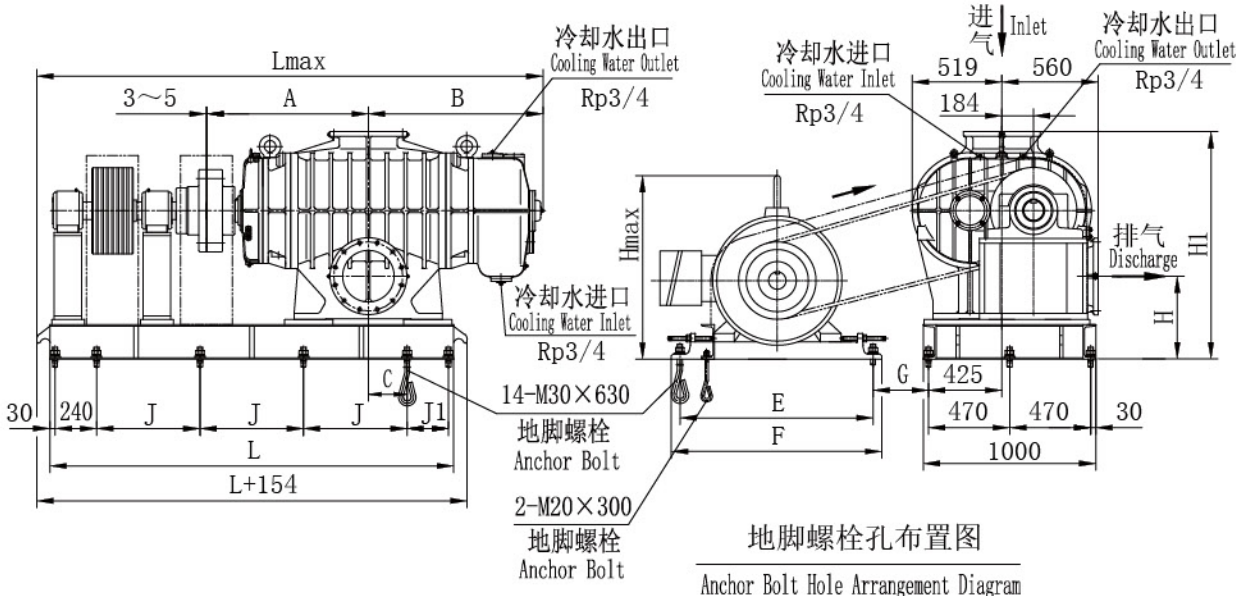
当升压低于 39.2kPa时，不需要水冷却。

Note: Cooling water temperature: $\leq 25^{\circ}\text{C}$, Cooling water pressure: 196~294kPa, Cooling water flow: 15~18L/min

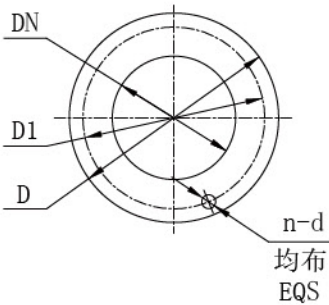
If pressure rise is less than 39.2kPa, cooling water is not needed.

3HF型罗茨鼓风机带中间轴皮带传动外形图

OUTLINE DRAWING OF BELT DRIVE WITH COUNTER SHAFT FOR MODEL 3HF ROTARY BLOWER



进、排气口法兰尺寸
Inlet and Outlet Flange Size



主机型号 Blower type	配套电机 Motor	A	B	C	E	F	G	H	H1	J	J1	L	M	Hmax	Lmax	DN	D1	D	n-d			
3HF-250	Y355M	785	865	90	1120	1220	320	450	1290	505	240	2055	560	1135	2637	φ 250	φ 350	φ 395	12-φ 22			
	Y355L												630									
3HF-290 295	Y355M	855	935	155				460	1290	550	245	2195	560		2777					φ 300	φ 400	φ 445
	Y355L												630									
3HF-300	Y355M	935	1015	225				480	1320	600	240	560	2937									
	Y355L											630										
	Y400				800	1300	470	1000	1820													
3HF-350	Y355M	1020	1095	320	1120	1220	320	490	1390	660	2520	560	1135	3102	φ 350	φ 460	φ 505	16-φ 22				

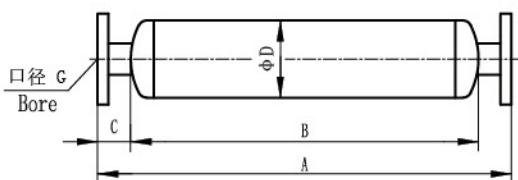
注：冷却水进口温度≤25℃，冷却水进口压力 196~294kPa，冷却水进口流量 15~18L/min。

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

■ 特殊附属品尺寸 SPECIAL ACCESSORIES DIMENSION

KM 型消声器

Type KM Silencer

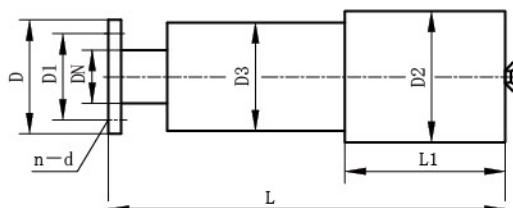


(GB 1.0MPa 法兰 Flange)

型号 Type	G	A	B	C	D	重量kg Weight
KM-100	100 ^A	1200	1040	80	215	33
KM-125	125 ^A	1400	1210	95	260	45
KM-150	150 ^A	1600	1410	95	281	61
KMR-200	200 ^A	1300	940	180	461	71
KMR-250	250 ^A	1500	1140	180	516	108
KMR-300	300 ^A	1900	1420	240	618	163
KMR-350	350 ^A	2000	1520	240	668	190

XF 型进口消声器

Type XF Inlet Silencer



(GB 1.0MPa 法兰 Flange)

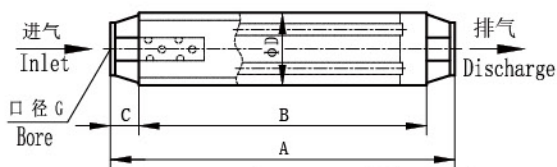
型号 Type	消声器外形尺寸 Size							n-d	重量kg Weight
XF-100	DN 100	D 220	D1 180	D2 320	D3 268	L 990	L1 550	8-φ19	30
XF-125	DN 125	D 250	D1 210	D2 356	D3 319	L 1120	L1 600		32
XF-150	DN 150	D 285	D1 240	D2 440	D3 380	L 1450	L1 750	8-φ23	41
XF-200	DN 200	D 340	D1 295	D2 600	D3 430	L 1775	L1 650		63
XF-250	DN 250	D 395	D1 350	D2 650	D3 420	L 2195	L1 900	12-φ22	147
XF-300	DN 300	D 445	D1 400	D2 790	D3 590	L 2650	L1 870		233

KMB 型排气消声器

Type KMB Discharge Silencer

在需要脉动量特别小的情况下，或者在需要防止吸音材料飞耗的情况下，请使用这种消声器。

If little pulsation or avoiding the consumption of sound absorption material is necessary, this type is ideal.

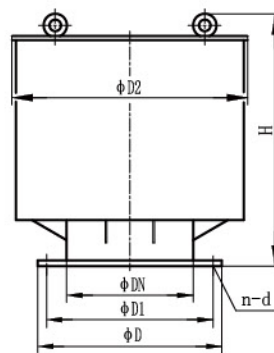


(GB 1.0MPa 法兰 Flange)

型号 Type	G	A	B	C	D	重量kg Weight
KMB-100	100 ^A	1600	1420	90	310	55
KMB-125	125 ^A	1800	1600	100	350	70
KMB-150	150 ^A	1900	1680	110	450	135
KMB-200	200 ^A	2000	1780	110	500	200
KMB-250	250 ^A	2200	1960	120	600	260
KMB-300	300 ^A	2500	2260	120	700	350
KMB-350	350 ^A	3000	2740	130	800	492

ZRL 型空气滤清器

Type ZRL Air Filter



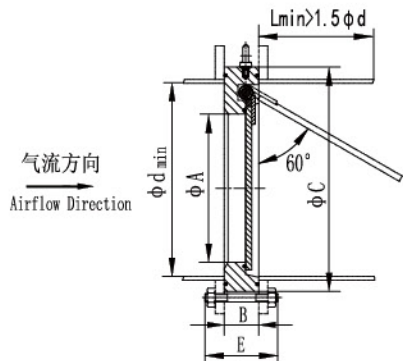
(GB 1.0MPa 法兰 Flange)

型号 Type	DN	D1	D	D2	n-d	H	重量kg Weight
ZRL-100	100	180	220	264	8-φ18	245	10
ZRL-125	125	210	250	390	8-φ18	373	15
ZRL-150	150	240	285	430	8-φ22	425	20
ZRL-200	200	295	340	530	8-φ22	488	27
ZRL-250	250	350	395	560	12-φ22	537	35
ZRL-300	300	400	445	690	12-φ22	643	49
ZRL-350	350	460	505	720	16-φ22	683	55

特殊附属品尺寸 SPECIAL ACCESSORIES DIMENSION

DCV 型单向阀

Type DCV Non-Return Valve

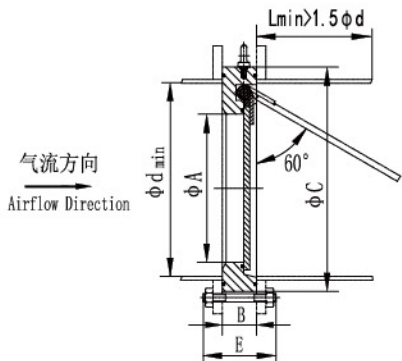


(GB1.0MPa 法兰 Flange)

型号 Type	口径 Bore	d _{min}	A	B	C	E	重量 (kg) Weight
DCV-100F	100 ^A	100	65	18	160	110	2.2
DCV-125F	125 ^A	125	90	18	190	110	3.0
DCV-150F	150 ^A	150	115	18	215	120	3.6
DCV-200F	200 ^A	200	160	23	270	130	6.75
DCV-250F	250 ^A	250	180	38	325	150	18.4
DCV-300F	300 ^A	300	213	38	375	150	24.0
DCV-350	350 ^A	350	255	80	420	200	49.6

DCV-S 型不锈钢单向阀

Type DCV Non-Return Valve of Stainless Steel

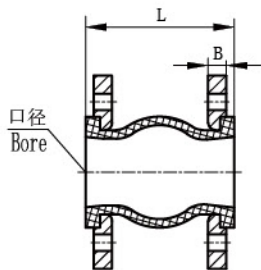


(GB1.0MPa 法兰 Flange)

型号 Type	口径 Bore	d _{min}	A	B	C	E	重量 (kg) Weight
DCV-100S	100 ^A	100	65	18	160	110	2.2
DCV-125S	125 ^A	125	90	18	190	110	3.0
DCV-150S	150 ^A	150	115	18	215	120	3.6
DCV-200S	200 ^A	200	160	23	270	130	6.75
DCV-250S	250 ^A	250	180	23	325	150	18.4
DCV-300S	300 ^A	300	213	23	375	150	24.0

弹性接头 (KXT-III型)

Type KXT-III Flexible Connector

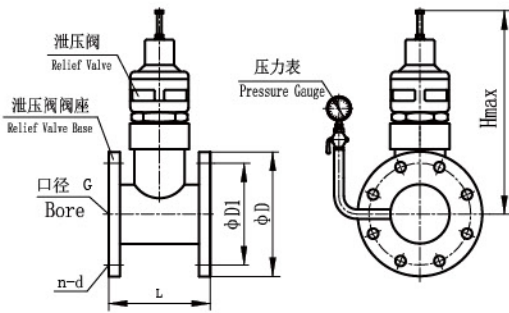


(GB 1.0MPa 法兰 Flange)

口径 Bore	L	B	水平位移 Horizontal Displacement		倾向位移 Lateral Displacement	偏转角度 Deflexion Angle	重量 kg Weight
			伸长 Protraction	压缩 Compression			
100 ^A	150	22	10	19	13	15°	6.7
125 ^A	165	24	12	19	13	15°	7.3
150 ^A	180	24	12	20	14	15°	11.9
200 ^A	190	24	16	25	22	15°	13.5
250 ^A	230	28	16	25	22	15°	20.8
300 ^A	245	28	16	25	22	15°	24.6
350 ^A	255	28	16	25	22	15°	30.5

SV型泄压阀装置

Type SV Relief Valve Assembly



(GB 1.0MPa 法兰 Flange)

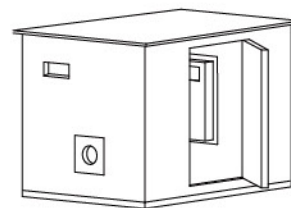
型号 Type	G	L	Hmax	D	D1	n-d	重量 (kg) Weight
SV-100	100 ^A	180	360	210	180	8-φ18	13.5
SV-125	125 ^A	200	375	234	210	8-φ18	16.0
SV-150	150 ^A	220	420	270	240	8-φ22	22.0
SV-200	200 ^A	250	440	328	295	8-φ22	26.0
SV-250	250 ^A	300	740	382	350	12-φ22	60.0
SV-300	300 ^A	300	760	440	400	12-φ22	65.0

■ 特殊附件 SPECIAL ACCESSORIES

AE 型隔声罩

Type AE Acoustic Enclosure

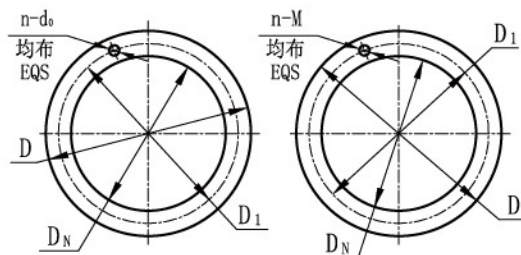
为有效降低罗茨鼓风机、罗茨真空泵噪声，可选用AE型隔声罩。隔声罩可根据使用空间设计，为板式框架结构，便于现场组装，内设通风降温装置，确保设备正常运行，降噪效果明显。隔声量一般为15~25dB(A)。



In order to reduce the noise of rotary blower or vacuum pump efficiently, type AE acoustic enclosure should be used. Acoustic enclosure may be designed according to the space at the operating spot. It is easy to install in locale because of type plate frame structure, there is ventilation facility to drop in temperature in it to make blower or pump run normally. It is evident in reducing noise, which will reduce 15~25dB(A) in sound transmission loss.

GB 1.0MPa 法兰尺寸

GB 1.0MPa Flange Size



(GB 1.0MPa 法兰 Flange)

口径 Bore	D_N	D	D_1	n	d_0	M
100 ^A	Φ 100	Φ 220	Φ 180	8	Φ 18	M16
125 ^A	Φ 125	Φ 250	Φ 210	8	Φ 18	M16
150 ^A	Φ 150	Φ 285	Φ 240	8	Φ 22	M20
200 ^A	Φ 200	Φ 340	Φ 295	8	Φ 22	M20
250 ^A	Φ 250	Φ 395	Φ 350	12	Φ 22	M20
300 ^A	Φ 300	Φ 445	Φ 400	12	Φ 22	M20
350 ^A	Φ 350	Φ 505	Φ 460	16	Φ 22	M20



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