

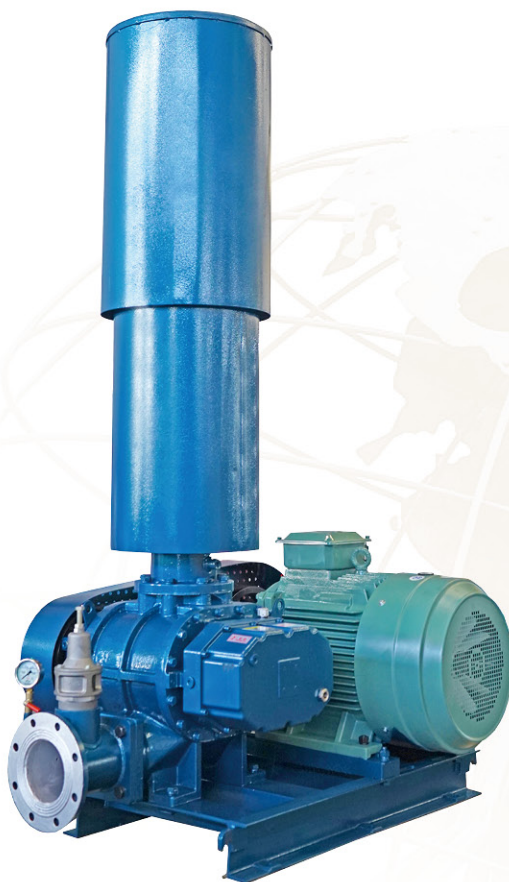


山东章鼓 股票代码：002598

THREE-LOBE ROOTS TYPE BLOWER

ZW系列

新型高效三叶罗茨鼓风机



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

中国通用机械工业协会风机分会副理事长单位

2020版

Company Profile

公司简介

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、“泉城学者”、济南市“5150”工程引进的博士组成的强有力的研发队伍。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。

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, and a professional talent 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".





ZW Series Three-Lobe Roots Type Blower Profile ZW 系列三叶罗茨鼓风机简介

ZW 系列三叶罗茨鼓风机是山东省章丘鼓风机股份有限公司在引进美国公司技术基础上，应用本公司 50 多年的设计和制造经验，自行设计、开发的更新换代产品，该产品在结构和性能上得到了极大的改善和提高，是具有最高性价比的产品。

主要特点：

- ◆ 效率高，体积小，重量轻，结构紧凑，使用维护方便
- ◆ 流量分档密，覆盖范围广，用户可选用最合适机型
- ◆ 采用空冷结构，单级压力 78.4kPa 不用冷却水
- ◆ 叶轮采用先进结构，三叶叶形，面积利用系数高
- ◆ 采用精密硬齿面直齿同步齿轮，无键联接，定位可靠，运行平稳，噪音低，强度高，寿命长
- ◆ 可根据用户要求配套组装式隔声罩，使风机噪音降至 85dB(A) 以下

产品性能：

- ◆ 压力：9.8~78.4 kPa
- ◆ 流量：0.22~59.21 m³/min
- ◆ 轴功率：0.18~71.59 kW

订货须知：

- ◆ 标准配套：主机，进口消声器（含滤清器），排气消声器，皮带轮，皮带，防护罩，弹性接头，泄压阀装置，单向阀，底座，压力表，地脚螺栓
- ◆ 可选附件：电机，电控柜，隔声罩，减震器等



ZW Series Three-Lobe Roots Type Blower Profile

ZW 系列三叶罗茨鼓风机简介

ZW Series Three-Lobe Roots type blowers, which were based on the technology of U.S.A blowers, are the latest products of Shandong Zhangqiu Blower CO.,LTD, and have company's 50-plus years of design and manufacturing experience. ZW blowers with higher capacity and lower cost, have advanced performance and structure features.

Main features:

- ◆ High efficiency, small size, light weight, compact structure, convenient operation and maintenance
- ◆ Flow sub-file encryption, extensive coverage, the user can choose the most appropriate models
- ◆ Air-cooled structure, single-stage pressure is up to 78.4kPa without cooling water
- ◆ Impeller with advanced structure, clover leaf, the area utilization factor
- ◆ Use of precision hardened straight-tooth synchronous gears, keyless connection, positioning, smooth operation, low noise, high strength, long life
- ◆ According to customer's requirements, sound enclosures are available, which can make the sound levels up to 85dB(A)

Product performance:

- ◆ Pressure: 9.8 ~ 78.4 kPa
- ◆ Flow: 0.22 ~ 59.21 m³/min
- ◆ Shaft power: 0.18 ~ 71.59 kW

Ordering Information:

- ◆ Standard accessories: inlet silencer(with filter), pulleys, belts, belts guard, pressure relief valve assembly, base, pressure gauge, anchor bolts, discharge silencer, check valve, flexible joint
- ◆ Optional accessories: motor, sound enclosure, vibration isolators, etc.



Belt Drive ZW Series Three-Lobe Roots Type Blower Pressure Performance Data

ZW 系列三叶罗茨鼓风机皮带传动性能参数表

风机 型号 Model	口径 Bore	转速 rpm	各排气压力下的进口流量Qs (m³/min), 轴功率La (kW) 及所配电机功率Po (kW) Inlet Flow Qs (m³/min), Shaft Power La (kW) and Motor Power Po (kW)																								电机 极数 Motor Pole								
			9.8kPa				19.6kPa				29.4kPa				39.2kPa				49kPa				58.8kPa					68.6kPa				78.4kPa			
			Qs	La	Po	Qs	La	Po	Qs	La	Po	Qs	La	Po	Qs	La	Po	Qs	La	Po	Qs	La	Po	Qs	La	Po		Qs	La	Po					
ZW-202	32A	1250	0.44	0.18	0.75	0.32	0.30	0.75	0.22	0.42	0.75																			4					
		1440	0.55	0.22	0.75	0.43	0.36	0.75	0.34	0.50	0.75	0.25	0.64	1.1																4					
		1760	0.74	0.29	0.75	0.62	0.46	0.75	0.52	0.63	1.1	0.44	0.80	1.1	0.37	0.97	1.5													4					
		1970	0.87	0.34	0.75	0.75	0.53	0.75	0.66	0.72	1.1	0.57	0.91	1.1	0.50	1.11	1.5													2					
		2400	1.13	0.45	0.75	1.01	0.69	1.1	0.91	0.92	1.1	0.83	1.15	1.5	0.76	1.39	2.2	0.69	1.62	2.2										2					
		2830	1.39	0.58	0.75	1.26	0.86	1.1	1.17	1.13	1.5	1.09	1.41	2.2	1.01	1.68	2.2	0.95	1.96	3										2					
ZW-204	50A	1250	0.78	0.27	0.75	0.58	0.48	0.75	0.42	0.68	1.1																			4					
		1440	0.98	0.32	0.75	0.77	0.56	0.75	0.61	0.80	1.1	0.48	1.04	1.5																4					
		1760	1.30	0.41	0.75	1.10	0.71	1.1	0.94	1.00	1.5	0.81	1.29	1.5	0.69	1.59	2.2													4					
		1970	1.52	0.49	0.75	1.31	0.82	1.1	1.15	1.14	1.5	1.02	1.47	2.2	0.90	1.80	2.2													2					
		2400	1.96	0.64	1.1	1.75	1.05	1.5	1.59	1.45	2.2	1.45	1.85	2.2	1.33	2.26	3	1.22	2.66	3										2					
		2800	2.37	0.80	1.1	2.16	1.27	2.2	2.00	1.74	2.2	1.86	2.21	3	1.74	2.68	3	1.63	3.15	4										2					
ZW-303	50A	1100	1.15	0.40	0.75	0.95	0.66	0.75	0.80	0.93	1.1	0.66	1.19	1.5																4					
		1300	1.40	0.50	0.75	1.19	0.82	1.1	1.02	1.13	1.5	0.88	1.44	2.2	0.75	1.76	2.2													4					
		1480	1.67	0.59	0.75	1.45	0.94	1.1	1.29	1.30	1.5	1.14	1.66	2.2	1.02	2.02	3													4					
		1760	2.08	0.68	1.1	1.87	1.11	1.5	1.70	1.53	2.2	1.56	1.96	2.2	1.43	2.38	3	1.32	2.81	4										4					
		2050	2.51	0.82	1.1	2.29	1.32	1.5	2.13	1.81	2.2	1.99	2.31	3	1.86	2.80	4	1.75	3.30	4	1.65	3.79	5.5							4					
		2320	2.91	0.95	1.1	2.69	1.51	2.2	2.53	2.07	3	2.39	2.63	3	2.26	3.19	4	2.15	3.75	5.5	2.05	4.31	5.5								2				
ZW-305	65A	1100	1.66	0.48	0.75	1.42	0.84	1.1	1.23	1.21	1.5	1.08	1.57	2.2	0.94	1.94	2.2													4					
		1300	2.06	0.62	0.75	1.82	1.05	1.5	1.64	1.48	2.2	1.48	1.92	2.2	1.34	2.35	3	1.22	2.78	4										4					
		1480	2.43	0.72	1.1	2.19	1.21	1.5	2.00	1.70	2.2	1.85	2.19	3	1.71	2.69	3	1.59	3.18	4										4					
		1760	2.97	0.87	1.1	2.72	1.46	2.2	2.53	2.04	3	2.36	2.63	3	2.22	3.21	4	2.09	3.79	5.5	1.97	4.38	5.5								4				
		2050	3.60	1.05	1.5	3.37	1.73	2.2	3.19	2.41	3	3.03	3.09	4	2.90	3.77	5.5	2.78	4.45	5.5	2.66	5.13	7.5								4				
		2320	4.15	1.23	1.5	3.91	2.00	3	3.73	2.77	4	3.58	3.54	5.5	3.45	4.31	5.5	3.32	5.08	7.5	3.21	5.85	7.5								2				
ZW-306	65A	1100	2.15	0.61	1.1	1.86	1.08	1.5	1.64	1.54	2.2	1.45	2.01	3	1.28	2.47	3														4				
		1300	2.66	0.75	1.1	2.37	1.30	1.5	2.15	1.85	2.2	1.96	2.40	3	1.80	2.95	4	1.65	3.49	4											4				
		1480	3.15	0.88	1.1	2.86	1.51	2.2	2.64	2.14	3	2.45	2.77	4	2.28	3.40	4	2.13	4.03	5.5											4				
		1760	3.89	1.10	1.5	3.59	1.85	2.2	3.37	2.60	3	3.18	3.35	4	3.01	4.10	5.5	2.86	4.85	5.5											4				
		2050	4.64	1.37	2.2	4.35	2.25	3	4.12	3.12	4	3.93	4.00	5.5	3.76	4.87	5.5	3.61	5.74	7.5											4				
		2320	5.35	1.59	2.2	5.05	2.58	3	4.83	3.57	4	4.64	4.55	5.5	4.47	5.54	7.5	4.32	6.53	7.5											2				
ZW-406	80A	1000	2.92	0.81	1.1	2.56	1.43	2.2	2.28	2.05	3	2.04	2.67	3	1.84	3.29	4	1.65	3.91	5.5											4				
		1300	4.06	1.13	1.5	3.70	1.93	2.2	3.42	2.74	4	3.18	3.54	4	2.97	4.35	5.5	2.78	5.15	7.5	2.61	5.96	7.50								4				
		1440	4.62	1.25	1.5	4.25	2.15	3	3.96	3.05	4	3.72	3.95	5.5	3.50	4.85	5.5	3.31	5.75	7.5	3.14	6.64	7.50								4				
		1760	5.84	1.59	2.2	5.47	2.69	4	5.18	3.79	5.5	4.94	4.89	5.5	4.73	5.99	7.5	4.54	7.09	11	4.36	8.18	11								4				
		2040	6.95	1.95	3	6.58	3.23	4	6.29	4.50	5.5	6.05	5.78	7.5	5.84	7.05	11	5.65	8.33	11	5.47	9.60	11								4				

进口流量是指在标准吸入状态下 (绝对压力 101.325kPa, 温度 20°C) 的进口空气流量
Performance based on inlet air at standard temperature of 20°C, an ambient pressure of 101.325kPa

Belt Drive ZW Series Three-Lobe Roots Type Blower Pressure Performance Data

ZW 系列三叶罗茨鼓风机皮带传动性能参数表

风机型号 Model	口径 Bore	转速 rpm	各排气压力下的进口流量Qs (m³/min), 轴功率La (kW) 及所配电机功率Po (kW)																								电机 极数 Motor Pole				
			Inlet Flow Qs (m³/min), Shaft Power La (kW) and Motor Power Po (kW)																												
			9.8kPa				19.6kPa				29.4kPa				39.2kPa				49kPa				58.8kPa					68.6kPa			
Qs	La	Po	Qs	La	Po	Qs	La	Po	Qs	La	Po	Qs	La	Po	Qs	La	Po	Qs	La	Po	Qs	La	Po	Qs	La	Po	Qs	La	Po		
ZW-506	100A	980	4.16	1.31	1.5	3.81	2.13	3	3.53	2.95	4	3.30	3.77	5.5	3.09	4.59	5.5	2.85	5.41	7.5	2.64	6.23	7.5	2.50	7.05	11	4				
		1200	5.29	1.59	2.2	4.93	2.60	3	4.66	3.60	4	4.43	4.60	5.5	4.22	5.61	7.5	4.03	6.62	7.5	3.86	7.62	11	3.70	8.62	11	4				
		1450	6.57	2.03	3	6.21	3.25	4	5.94	4.46	5.5	5.71	5.67	7.5	5.50	6.89	11	5.32	8.10	11	5.14	9.32	11	4.98	10.53	15	4				
		1760	8.16	2.59	3	7.80	4.07	5.5	7.53	5.54	7.5	7.30	7.01	11	7.09	8.49	11	6.90	9.96	11	6.73	11.43	15	6.57	12.90	15	4				
		2030	9.51	3.16	4	9.15	4.86	5.5	8.86	6.56	7.5	8.62	8.26	11	8.41	9.96	11	8.12	11.65	15	7.83	13.35	15	7.60	15.05	18.5	4				
ZW-508A	125A	980	6.08	1.67	2.2	5.66	2.83	4	5.35	3.98	5.5	5.08	5.14	7.5	4.84	6.29	7.5	4.63	7.45	11	4.43	8.60	11	4.25	9.76	11	4				
		1200	7.71	2.17	3	7.29	3.59	4	6.96	5.00	5.5	6.68	6.41	7.5	6.44	7.83	11	6.22	9.24	11	6.02	10.65	15	5.83	12.07	15	4				
		1450	9.53	2.60	3	9.10	4.31	5.5	8.78	6.01	7.5	8.50	7.72	11	8.26	9.43	11	8.04	11.14	15	7.82	12.85	15	7.64	14.55	18.5	4				
		1760	11.78	3.30	4	11.36	5.38	7.5	11.03	7.45	11	10.76	9.52	11	10.51	11.59	15	10.29	13.67	18.5	10.06	15.74	18.5	9.87	17.81	22	4				
		2030	13.75	4.12	5.5	13.32	6.51	7.5	13.00	8.90	11	12.72	11.29	15	12.48	13.68	18.5	12.26	16.07	18.5	12.05	18.46	22	11.43	20.85	30	4				
ZW-610A	150A	800	9.82	2.65	3	9.11	4.53	5.5	8.57	6.41	7.5	8.11	8.30	11	7.71	10.18	15	7.34	12.06	15	7.00	13.94	18.5								
		980	12.46	3.26	4	11.74	5.57	7.5	11.19	7.87	11	10.72	10.18	15	10.31	12.48	15	9.94	14.79	18.5	9.59	17.09	22								
		1100	14.20	3.77	5.5	13.48	6.35	7.5	12.93	8.94	11	12.46	11.53	15	12.05	14.12	18.5	11.68	16.70	22	11.32	19.29	22								
		1300	17.10	4.70	5.5	16.38	7.76	11	15.83	10.81	15	15.36	13.87	18.5	14.95	16.93	22	14.58	20.03	30	14.25	23.04	30								
		1460	19.42	5.47	7.5	18.70	8.91	11	18.15	12.34	15	17.68	15.77	18.5	17.27	19.21	22	16.89	22.64	30	16.55	26.07	30								
ZW-709	150A	1640	22.03	6.36	7.5	21.31	10.21	15	20.75	14.07	18.5	20.29	17.93	22	19.87	21.78	30	19.50	25.64	30	19.14	29.49	37								
		1850	25.07	7.60	11	24.35	11.95	15	23.80	16.30	18.5	23.33	20.65	30	22.92	25.01	30	22.54	29.36	37											
		800	12.93	3.19	4	12.12	5.62	7.5	11.49	8.05	11	10.97	10.48	15	10.50	12.90	15	9.90	15.33	18.5	9.34	17.76	22	8.60	20.19	30	4				
		980	16.27	4.23	5.5	15.46	7.20	11	14.84	10.18	15	14.31	13.16	15	13.85	16.14	18.5	13.43	19.11	22	13.04	22.09	30	12.68	25.07	30	4				
		1170	19.83	5.28	7.5	19.03	8.84	11	18.41	12.39	15	17.89	15.94	18.5	17.43	19.49	22	17.01	23.05	30	16.63	26.60	30	16.27	30.15	37	4				
ZW-712A	200A	1340	22.99	6.43	7.5	22.19	10.50	15	21.57	14.57	18.5	21.05	18.63	22	20.59	22.70	30	20.17	26.77	30	19.79	30.84	37	19.43	34.91	45	4				
		1470	25.44	7.38	11	24.65	11.84	15	24.04	16.31	18.5	23.53	20.77	30	23.08	25.24	30	22.67	29.70	37	22.29	34.17	45	21.94	38.64	45	4				
		1630	28.41	8.52	11	27.62	13.47	15	27.02	18.42	22	26.50	23.37	30	26.05	28.32	37	25.64	33.26	37	25.27	38.21	45	24.91	43.16	55	4				
		1760	30.83	9.83	11	30.04	15.18	18.5	29.44	20.52	30	28.92	25.86	30	28.47	31.20	37	28.06	36.55	45	27.68	41.92	55	27.33	47.26	55	4				
		800	16.77	3.96	5.5	15.83	7.07	11	15.11	10.18	15	14.49	13.29	15	13.95	16.40	18.5	13.47	19.51	22											
ZW-816	200A	980	21.18	4.64	7.5	20.20	8.49	11	19.45	12.33	15	18.82	16.18	22	18.26	20.02	30	17.75	23.86	30											
		1170	25.74	5.86	7.5	24.76	10.45	15	24.01	15.04	18.5	23.38	19.63	30	22.82	24.22	30	22.31	28.81	37											
		1340	29.82	7.06	11	28.85	12.31	15	28.09	17.57	22	27.46	22.83	30	26.90	28.09	37	26.39	33.34	45											
		1470	32.94	8.06	11	31.97	13.82	18.5	31.22	19.59	30	30.58	25.36	30	30.02	31.12	37	29.52	36.89	45											
		1630	36.79	9.39	15	35.81	15.79	22	35.06	22.18	30	34.42	28.58	37	33.86	34.97	45	33.36	41.37	55											
ZW-816	200A	1760	39.91	10.56	15	38.93	17.47	22	38.18	24.37	30	37.55	31.28	37	36.99	38.18	45	36.48	45.08	55											
		800	25.41	6.61	7.5	23.85	11.63	15	22.79	16.64	18.5	21.69	21.66	30	20.93	26.67	30	19.98	31.69	37											
		880	28.51	7.24	11	26.95	12.6	15	25.89	17.83	22	24.79	23.22	30	24.03	28.72	37	23.08	34.21	37											
		1060	35.41	9.36	11	33.85	15.82	18.5	32.79	22.26	30	31.69	28.79	37	30.93	35.33	45	29.98	41.89	55											
		1170	39.61	10.46	15	38.05	17.63	22	36.99	24.79	30	35.89	32.27	37	35.13	39.48	45	34.18	46.76	55											
ZW-816	200A	1270	43.41	12.01	15	41.85	19.79	22	40.79	27.57	30	39.69	35.39	45	38.93	43.44	55	37.98	51.36	55											
		1375	47.51	13.02	15	45.95	21.75	30	44.89	30.23	37	43.79	39.74	45	43.03	47.45	55	42.08	56.15	75											
		1550	54.21	15.93	18.5	52.65	25.78	30	51.59	35.47	45	50.49	45.28	55	49.73	54.98	75	48.78	64.85	75											
ZW-816	200A	1680	59.21	18.81	22	57.65	29.08	37	56.59	39.9	45	55.49	50.62	55	54.73	61.02	75	53.78	71.59	90											

进口流量是指在标准吸入状态下 (绝对压力 101.325kPa, 温度 20°C) 的进口空气流量
 Performance based on inlet air at standard temperature of 20°C, an ambient pressure of 101.325kPa



Belt Drive ZW Series Three-Lobe Roots Type Blower Vacuum Performance Data

ZW 系列三叶罗茨鼓风机皮带传动真空性能参数表

风机 型号 Model	口径 Bore	转速 rpm	各真空度下的进口流量Qs (m³/min), 轴功率La (kW) 及所配电机功率Po (kW) Inlet Flow Qs (m³/min), Shaft Power La (kW) and Motor Power Po (kW)																								电机 极数 Motor Pole								
			-9.8kPa				-19.6kPa				-24.5kPa				-29.4kPa				-34.3kPa				-39.2kPa					-44.1kPa				-49kPa			
			Qs	La	Po	Qs	La	Po	Qs	La	Po	Qs	La	Po	Qs	La	Po	Qs	La	Po	Qs	La	Po	Qs	La	Po		Qs	La	Po	Qs	La	Po		
ZW-202	32A	1250	0.43	0.18	0.75	0.27	0.30	0.75																									4		
		1440	0.54	0.22	0.75	0.38	0.36	0.75	0.31	0.43	0.75	0.24	0.50	0.75																			4		
		1760	0.73	0.29	0.75	0.57	0.46	0.75	0.50	0.54	0.75	0.42	0.63	0.75	0.35	0.71	1.1																4		
		1970	0.86	0.34	0.75	0.70	0.53	0.75	0.63	0.63	1.1	0.56	0.72	1.1	0.48	0.82	1.1																2		
		2400	1.11	0.45	0.75	0.96	0.69	1.1	0.89	0.80	1.1	0.81	0.92	1.1	0.74	1.04	1.5	0.66	1.15	1.5													2		
		2830	1.37	0.58	0.75	1.21	0.86	1.1	1.14	1.00	1.5	1.07	1.13	1.5	0.99	1.27	2.2	0.92	1.41	2.2													2		
ZW-204	50A	1250	0.76	0.27	0.75	0.50	0.48	0.75	0.38	0.58	0.75																						4		
		1440	0.95	0.32	0.75	0.69	0.56	0.75	0.58	0.67	0.75	0.45	0.80	1.1																			4		
		1760	1.28	0.41	0.75	1.02	0.71	1.1	0.90	0.85	1.1	0.78	1.00	1.5	0.65	1.15	1.5																	4	
		1970	1.49	0.49	0.75	1.23	0.82	1.1	1.11	0.98	1.5	0.99	1.14	1.5	0.87	1.31	1.5																	2	
		2400	1.93	0.64	1.1	1.67	1.05	1.5	1.55	1.25	2.2	1.42	1.45	2.2	1.30	1.65	2.2	1.17	1.85	2.2													2		
		2800	2.35	0.8	1.1	2.08	1.27	2.2	1.96	1.51	2.2	1.83	1.74	2.2	1.71	1.98	2.2	1.58	2.21	3														2	
ZW-303	50A	1100	1.12	0.39	0.75	0.87	0.66	0.75	0.75	0.80	1.1	0.63	0.93	1.1																			4		
		1300	1.37	0.50	0.75	1.10	0.82	1.1	0.97	0.97	1.1	0.85	1.13	1.5	0.71	1.29	1.5																4		
		1480	1.64	0.59	0.75	1.37	0.94	1.1	1.24	1.12	1.5	1.11	1.30	1.5	0.98	1.48	2.2																	4	
		1760	2.05	0.68	1.1	1.78	1.11	1.5	1.66	1.31	1.5	1.53	1.53	2.2	1.39	1.75	2.2	1.26	1.96	2.2														4	
		2050	2.48	0.82	1.1	2.21	1.32	1.5	2.09	1.56	2.2	1.95	1.81	2.2	1.82	2.06	3	1.69	2.31	3	1.54	2.56	3										4		
		2320	2.88	0.95	1.1	2.61	1.51	2.2	2.49	1.78	2.2	2.35	2.07	3	2.22	2.35	3	2.08	2.63	3	1.94	2.91	4										2		
ZW-305	65A	1100	1.63	0.48	0.75	1.32	0.84	1.1	1.18	1.02	1.5	1.04	1.21	1.5	0.89	1.39	2.2																	4	
		1300	2.03	0.62	0.75	1.73	1.05	1.5	1.59	1.27	1.5	1.45	1.48	2.2	1.30	1.70	2.2																4		
		1480	2.40	0.72	1.1	2.09	1.21	1.5	1.95	1.46	2.2	1.81	1.70	2.2	1.67	1.95	2.2	1.51	2.19	3													4		
		1760	2.94	0.87	1.1	2.62	1.46	2.2	2.47	1.75	2.2	2.33	2.04	3	2.18	2.33	3	2.02	2.63	3	1.85	2.92	4										4		
		2050	3.57	1.05	1.5	3.27	1.73	2.2	3.14	2.06	3	3.00	2.41	3	2.86	2.75	4	2.71	3.09	4	2.55	3.43	4										4		
		2320	4.12	1.23	1.5	3.82	2.00	3	3.68	2.38	3	3.55	2.77	4	3.40	3.15	4	3.26	3.54	4	3.10	3.92	5.5										2		
ZW-306	65A	1100	2.11	0.61	1.1	1.74	1.08	1.5	1.57	1.31	1.5	1.40	1.54	2.2	1.23	1.78	2.2																	4	
		1300	2.63	0.75	1.1	2.26	1.30	1.5	2.09	1.57	2.2	1.92	1.85	2.2	1.75	2.12	3	1.56	2.40	3													4		
		1480	3.12	0.88	1.1	2.75	1.51	2.2	2.58	1.83	2.2	2.41	2.14	3	2.23	2.46	3	2.05	2.77	4													4		
		1760	3.85	1.10	1.5	3.48	1.85	2.2	3.31	2.22	3	3.14	2.60	3	2.96	2.97	4	2.78	3.35	4	2.59	3.72	5.5										4		
		2050	4.60	1.37	2.2	4.23	2.25	3	4.06	2.66	3	3.89	3.12	4	3.72	3.53	4	3.54	4.00	5.5	3.35	4.4	5.5										4		
		2320	5.31	1.59	2.2	4.94	2.58	3	4.77	3.07	4	4.60	3.57	4	4.42	4.06	5.5	4.24	4.55	5.5	4.05	5.05	7.5	3.84	5.54	7.5							2		
ZW-406	80A	1000	2.88	0.81	1.1	2.42	1.43	2.2	2.20	1.74	2.2	1.99	2.05	3	1.77	2.36	3	1.54	2.67	3														4	
		1300	4.01	1.13	1.5	3.55	1.93	2.2	3.34	2.33	3	3.13	2.74	4	2.91	3.14	4	2.68	3.54	4	2.43	3.94	5.5										4		
		1440	4.57	1.25	1.5	4.10	2.15	3	3.88	2.60	3	3.67	3.05	4	3.45	3.50	4	3.22	3.95	5.5	2.97	4.40	5.5										4		
		1760	5.79	1.59	2.2	5.33	2.69	4	5.11	3.24	4	4.89	3.79	5.5	4.67	4.34	5.5	4.44	4.89	7.5	4.20	5.44	7.5										4		
		2040	6.87	1.95	3	6.40	3.23	4	6.18	3.87	5.5	5.96	4.50	5.5	5.74	5.14	7.5	5.51	5.78	7.5	5.27	6.41	7.5	5.00	7.05	11							4		

进口流量是指在真空度为 20℃, 出口为绝压 101.325kPa 的进口空气流量。
Performance based on inlet air at standard temperature of 20℃, and discharge at an ambient pressure of 101.325kPa.

Belt Drive ZW Series Three-Lobe Roots Type Blower Vacuum Performance Data

ZW 系列三叶罗茨鼓风机皮带传动真空性能参数表

风机型号 Model	口径 Bore	转速 rpm	各真空度下的进口流量 Q_s (m^3/min), 轴功率 La (kW) 及所配电机功率 Pe (kW) Inlet Flow Q_s (m^3/min), Shaft Power La (kW) and Motor Power Pe (kW)																																		电机 极数 Motor Pole		
			-9.8kPa			-19.6kPa			-24.5kPa			-29.4kPa			-34.3kPa			-39.2kPa			-44.1kPa			-49kPa															
			Qs	La	Po	Qs	La	Po	Qs	La	Po	Qs	La	Po	Qs	La	Po	Qs	La	Po	Qs	La	Po	Qs	La	Po	Qs	La	Po	Qs	La	Po	Qs	La	Po				
ZW-506	100A	980	4.12	1.31	1.5	3.67	2.13	3	3.45	2.54	3	3.24	2.95	4	3.03	3.36	4	2.80	3.77	5.5	2.56	4.18	5.5													4			
		1200	5.25	1.59	2.2	4.79	2.60	3	4.58	3.10	4	4.37	3.60	4	4.15	4.11	5.5	3.93	4.61	5.5	3.68	5.11	7.5													4			
		1450	6.53	2.03	3	6.07	3.25	4	5.86	3.85	5.5	5.65	4.46	5.5	5.44	5.07	7.5	5.21	5.67	7.5	4.97	6.28	7.5	4.70	6.89	11	4									4			
		1760	8.11	2.59	3	7.66	4.07	5.5	7.45	4.80	5.5	7.24	5.54	7.5	7.02	6.28	7.5	6.80	7.01	11	6.55	7.75	11	6.29	8.49	11	4									4			
		2030	9.47	3.16	4	9.00	4.86	5.5	8.78	5.71	7.5	8.56	6.56	7.5	8.34	7.41	11	8.11	8.26	11	7.86	9.11	11	7.58	9.96	11	4									4			
		980	6.02	1.67	2.2	5.50	2.83	4	5.26	3.41	4	5.02	3.98	5.5	4.77	4.56	5.5	4.51	5.14	7.5	4.23	5.71	7.5													4			
ZW-508A	125A	1200	7.66	2.17	3	7.12	3.59	4	6.87	4.29	5.5	6.63	4.99	5.5	6.37	5.71	7.5	6.11	6.41	7.5	5.83	7.12	11	5.53	7.83	11	4										4		
		1450	9.47	2.60	3	8.94	4.31	5.5	8.69	5.16	7.5	8.44	6.01	7.5	8.19	6.87	11	7.93	7.72	11	7.65	8.58	11	7.35	9.43	11	4										4		
		1760	11.73	3.30	4	11.19	5.38	7.5	10.95	6.41	7.5	10.70	7.45	11	10.45	8.49	11	10.18	9.52	11	9.91	10.56	15	9.61	11.60	15	4										4		
		2030	13.69	4.12	5.5	13.16	6.51	7.5	12.91	7.71	11	12.66	8.90	11	12.41	10.10	15	12.15	11.29	15	11.87	12.49	15	11.57	13.69	18.5	4										4		
		800	9.73	2.65	3	8.84	4.53	5.5	8.42	5.47	7.5	8.01	6.41	7.5	7.58	7.36	11	7.14	8.30	11	6.67	9.24	11													4			
		980	12.37	3.26	4	11.47	5.57	7.5	11.05	6.72	7.5	10.63	7.87	11	10.20	9.03	11	9.76	10.18	15	9.29	11.33	15	8.78	12.48	15	4										4		
ZW-610A	150A	1100	14.11	3.77	5.5	13.20	6.35	7.5	12.78	7.65	11	12.37	8.94	11	11.94	10.24	15	11.49	11.53	15	11.02	12.82	15	10.52	14.12	18.5	4										4		
		1300	17.01	4.70	7.5	16.10	7.76	11	15.68	9.28	11	15.26	10.81	15	14.84	12.34	15	14.39	13.87	18.5	13.92	15.40	18.5	13.41	16.93	22	4										4		
		1460	19.33	5.47	7.5	18.42	8.91	11	18.00	10.62	15	17.58	12.34	15	17.15	14.06	18.5	16.71	15.78	18.5	16.24	17.49	22	15.73	19.21	22	4										4		
		1640	21.94	6.36	7.5	21.03	10.21	15	20.61	12.14	15	20.19	14.07	18.5	19.76	16.00	18.5	19.32	17.93	22	18.85	19.86	22	18.34	21.79	30	4										4		
		1850	24.98	7.60	11	24.07	11.95	15	23.65	14.13	18.5	23.23	16.30	18.5	22.80	18.48	22	22.36	20.65	30	21.89	22.83	30	21.38	25.01	30	4										4		
		800	12.82	3.19	4	11.80	5.62	7.5	11.32	6.84	11	10.85	8.05	11	10.36	9.27	11	9.86	10.48	15	9.32	11.70	15														4		
ZW-709	150A	980	16.17	4.23	5.5	15.15	7.20	11	14.67	8.69	11	14.20	10.18	15	13.71	11.67	15	13.20	13.15	15	12.66	14.65	18.5	12.08	16.13	18.5	4											4	
		1170	19.73	5.28	7.5	18.71	8.84	11	18.24	10.62	15	17.77	12.39	15	17.29	14.17	18.5	16.79	15.94	18.5	16.25	17.72	22	15.68	19.49	22	4											4	
		1340	22.89	6.43	7.5	21.87	10.50	15	21.40	12.54	15	20.93	14.57	18.5	20.45	16.61	18.5	19.95	18.63	22	19.42	20.68	30	18.84	22.70	30	4											4	
		1470	25.34	7.38	11	24.34	11.84	15	23.88	14.07	18.5	23.41	16.31	18.5	22.94	18.54	22	22.45	20.77	30	21.92	23.01	30	21.35	25.24	30	4											4	
		1630	28.31	8.52	11	27.32	13.47	15	26.85	15.95	18.5	26.39	18.43	22	25.92	20.90	30	25.42	23.38	30	24.90	25.85	30	24.33	28.32	37	4											4	
		1760	30.73	9.83	11	29.73	15.18	18.5	29.27	17.86	22	28.81	20.52	30	28.33	23.20	30	27.84	25.86	30	27.31	28.55	37	26.74	31.20	37	4											4	
ZW-712A	200A	800	16.65	3.96	5.5	15.46	7.07	11	14.91	8.63	11	14.36	10.18	15	13.80	11.74	15	13.21	13.29	15	12.58	14.85	18.5	11.91	16.40	18.5	4												4
		980	21.06	4.64	7.5	19.82	8.49	11	19.25	10.41	15	18.68	12.33	15	18.10	14.25	18.5	17.50	16.18	22	16.86	18.10	22	16.18	20.02	30	4											4	
		1170	25.62	5.86	7.5	24.38	10.45	15	23.81	12.75	15	23.25	15.04	18.5	22.67	17.34	22	22.06	19.63	30	21.43	21.93	30	20.74	24.22	30	4											4	
		1340	29.70	7.06	11	28.47	12.31	15	27.90	14.94	18.5	27.33	17.57	22	26.75	20.20	30	26.15	22.83	30	25.51	25.46	30	24.82	28.09	37	4											4	
		1470	32.82	8.06	11	31.59	13.82	18.5	31.02	16.71	22	30.45	19.59	30	29.87	22.47	30	29.27	25.36	30	28.63	28.24	37	27.94	31.12	37	4											4	
		1630	36.66	9.39	15	35.43	15.79	22	34.86	18.99	22	34.29	22.18	30	33.71	25.38	30	33.11	28.58	37	32.47	31.77	37	31.78	34.97	45	4											4	
ZW-816	200A	1760	39.79	10.56	15	38.55	17.47	22	37.98	20.92	30	37.41	24.37	37	36.83	27.82	37	36.23	31.28	37	35.59	34.73	45	34.91	38.18	45	4											4	
		800	25.15	6.61	7.5	23.10	11.63	15	22.43	14.14	18.5	21.46	16.64	22	20.66	19.15	22	19.55	21.66	30																		4	
		880	28.23	7.24	11	26.18	12.6	15	25.51	15.75	18.5	24.54	17.83	22	23.74	20.80	30	22.63	23.22	30	21.46	26.12	30															4	
		1060	35.13	9.36	11	33.08	15.82	18.5	32.41	19.78	22	31.44	22.26	30	30.64	25.97	30	29.53	28.79	37	28.36	32.39	37															4	
		1170	39.33	10.46	15	37.28	17.63	22	36.61	22.04	30	35.64	24.79	30	34.84	28.92	37	33.73	32.27	37	32.56	36.30	45	30.93	39.48	45	4											4	
		1270	43.13	12.01	15	41.08	19.79	22	40.41	24.74	30	39.44	27.57	30	38.64	32.17	37	37.53	35.39	45	36.36	39.81	45	34.73	43.44	55	4											4	
ZW-816	200A	1375	47.23	13.02	15	45.18	21.75	30	44.51	27.19	30	43.54	30.23	37	42.74	35.27	45	41.63	39.74	45	40.46	44.71	55	38.83	47.45	55	4											4	
		1550	53.93	15.93	18.5	51.88	25.78	30	51.21	32.23	37	50.24	35.47	45	49.44	41.38																							



Direct Drive ZW Series Three-Lobe Roots Type Blower Pressure Performance Data

ZW 系列三叶罗茨鼓风机直联传动性能参数表

风机 型号 Model	口径 Bore	转速 rpm	各排气压力下的进口流量Qs (m³/min), 轴功率La (kW) 及所配电机功率Po (kW)																								电机 极数 Motor Pole																								
			29.4kPa								39.2kPa								49kPa									58.8kPa								68.8kPa								78.4kPa							
			Qs	La	Po	Qs	La	Po	Qs	La	Po	Qs	La	Po	Qs	La	Po	Qs	La	Po	Qs	La	Po	Qs	La	Po		Qs	La	Po	Qs	La	Po																		
ZW-303	50A	1400	1.55	0.57	0.75	1.33	0.91	1.1	1.17	1.24	1.5	1.03	1.58	2.2	0.90	1.92	2.2	0.79	2.26	3																															
ZW-305	65A	1400	2.27	0.69	1.1	2.03	1.16	1.5	1.84	1.62	2.2	1.69	2.09	3	1.55	2.55	3	1.42	3.02	4																															
ZW-306	65A	1400	2.94	0.82	1.1	2.65	1.41	2.2	2.43	2.00	3	2.24	2.60	4	2.07	3.20	4	1.92	3.79	5.5	1.77	4.38	5.5																												
ZW-406	80A	1440	4.62	1.25	1.5	4.25	2.15	3	3.96	3.05	4	3.72	3.95	5.5	3.50	4.85	5.5	3.31	5.75	7.5	3.12	6.65	7.5																												
ZW-506	100A	1440	6.52	2.03	3	6.16	3.23	4	5.89	4.44	5	5.66	5.64	7.5	5.45	6.85	11	5.26	8.05	11	5.09	9.26	11	4.93	10.46	15	4																								
ZW-508A	125A	1440	9.53	2.59	3	9.10	4.28	5.5	8.78	5.98	7.5	8.50	7.67	11	8.26	9.37	11	8.04	11.07	15	7.80	12.76	15	7.91	14.46	18.5	4																								
ZW-610A	150A	1460	19.42	5.47	7.5	18.70	8.91	11	18.15	12.34	15	17.68	15.78	18.5	17.27	19.21	22	16.89	22.64	30	16.51	26.08	30	16.28	29.51	37	4																								
ZW-709	150A	1470	25.44	7.38	11	24.65	11.84	15	24.04	16.31	18.5	23.53	20.77	30	23.08	25.24	30	22.67	29.70	37	22.29	34.17	45	21.94	38.64	45	4																								
ZW-712A	200A	1470	32.94	8.06	11	31.97	13.82	18.5	31.22	19.59	30	30.58	25.36	30	30.02	31.12	37	29.52	36.89	45	29.02	42.66	55																												
ZW-816	200A	1470	32.35	8.65	11	30.79	14.63	18.5	29.73	20.58	30	28.63	26.62	30	27.87	32.66	37	26.92	38.73	45	26.04	45.18	55																												
		1470	51.17	15.11	18.5	49.61	24.45	30	48.55	33.64	37	47.46	42.94	55	46.69	52.14	75	45.74	61.50	75	44.86	71.75	90																												

进口流量是指在标准吸入状态下 (绝对压力 101.325kPa, 温度 20°C) 的进口空气流量

Performance based on inlet air at standard temperature of 20°C, an ambient pressure of 101.325kPa

Direct Drive ZW Series Three-Lobe Roots Type Blower Vacuum Performance Data

ZW 系列三叶罗茨鼓风机直联传动真空性能参数表

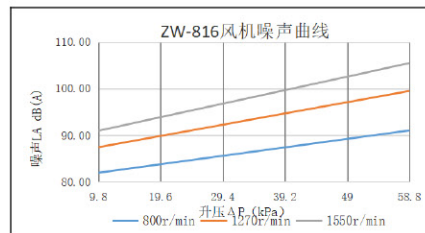
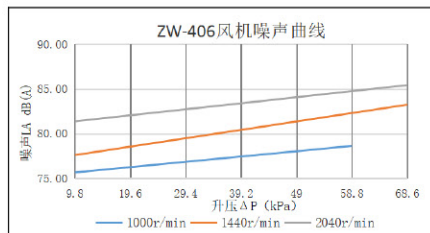
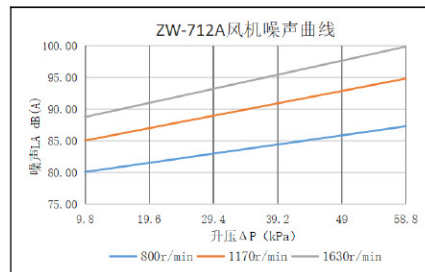
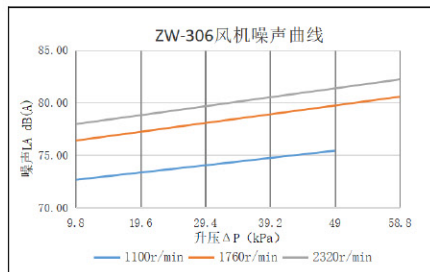
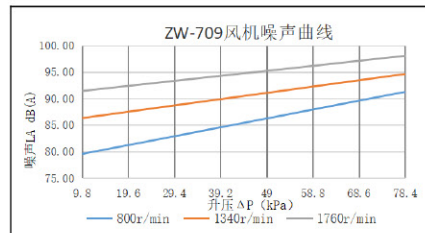
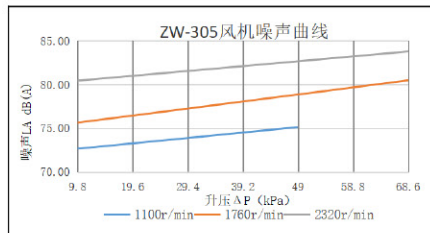
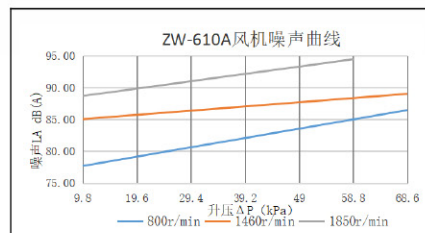
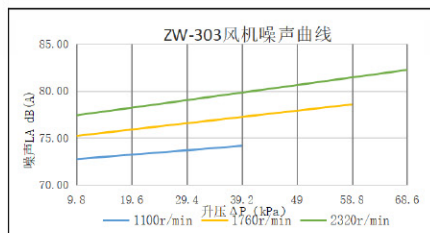
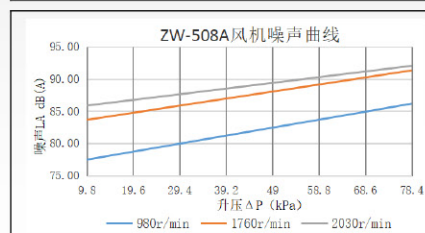
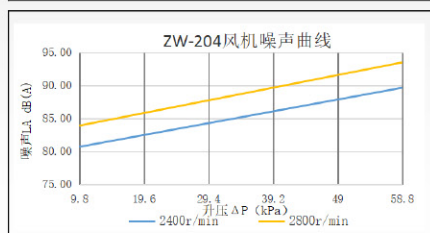
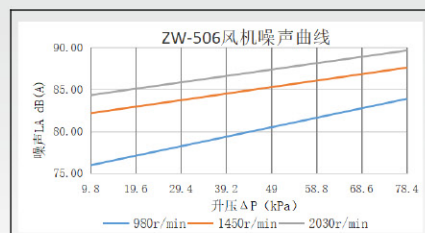
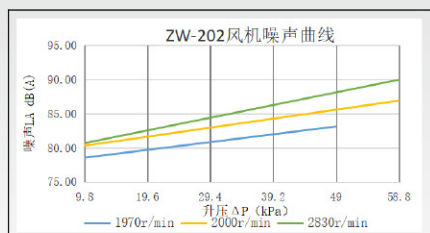
真空泵 型号 Model	口径 Bore	转速 rpm	各真空度下的进口流量Qs (m³/min), 轴功率La (kW) 及所配电机功率Po (kW)																								电机 极数 Motor Pole																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
			-9.8kPa								-19.6kPa								-29.4kPa									-34.3kPa								-39.2kPa								-44.1kPa								-49kPa																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
			Qs	La	Po	Qs	La	Po	Qs	La	Po	Qs	La	Po	Qs	La	Po	Qs	La	Po	Qs	La	Po	Qs	La	Po		Qs	La	Po	Qs	La	Po	Qs	La	Po	Qs	La	Po																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
ZW-303	50A	1400	1.52	0.57	0.75	1.25	0.91	1.1	1.12	1.07	1.50	0.99	1.24	1.50	0.86	1.41	2.2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											</

进口流量是指在真空度下, 进口温度为 20°C, 出口为绝压 101.325kPa 时的进口空气流量。

Performance based on inlet air at standard temperature of 20°C, and discharge at an ambient pressure of 101.325kPa.

ZW Series Three-Lobe Roots Type Blower Noise Level

ZW 系列三叶罗茨鼓风机噪声值 dB(A)



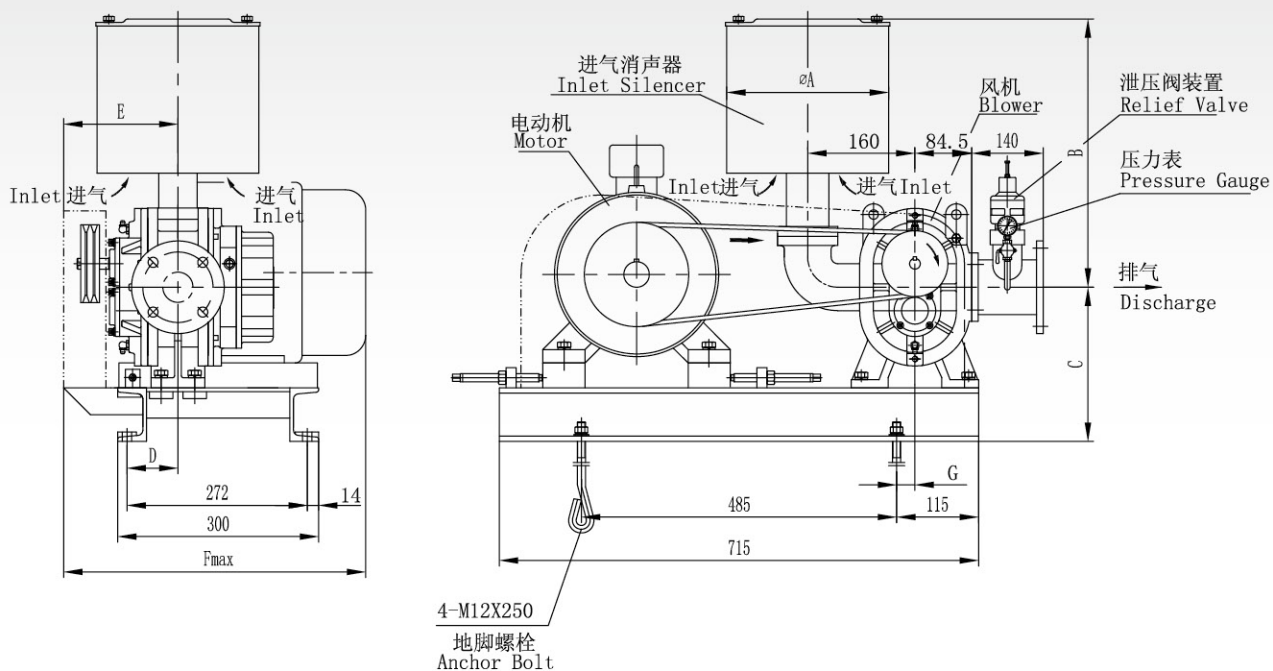
注：上述数据是按照 GB/T 2888 《风机和罗茨鼓风机噪声测量方法》测得的数据

Note: The above data were tested according to the noise measurement method of GB/T2888 Blower and Roots blower

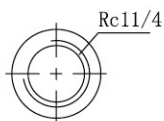


Belt Drive ZW Series Three-Lobe Roots Type Blower Packages Outline Drawing (Pressure Application)

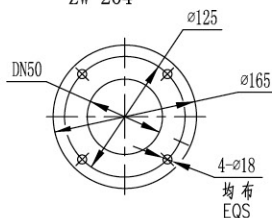
ZW 系列三叶罗茨鼓风机机组皮带传动外形安装尺寸图 (正压应用)



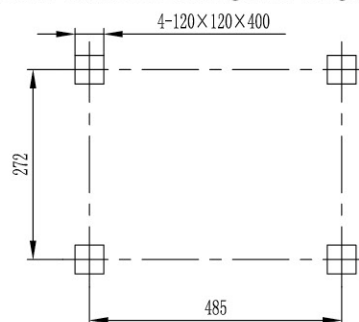
排气口连接尺寸
Outlet Flange Size
ZW-202



排气口连接尺寸
Outlet Flange Size
ZW-204



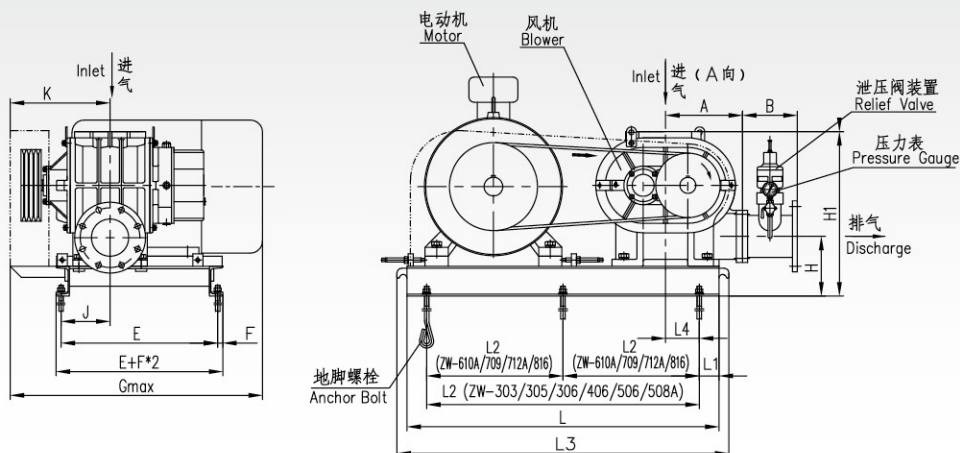
地脚螺栓预留孔布置图
Anchor Bolt Hole Arrangement Diagram



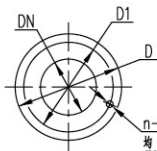
风机型号 Blower Type	A	B	C	D	E	Fmax	G	机组重量 (kg) (不含电机) Unit Weight (Without Motor) Kg
ZW-202	190	330	204	63	174	492	28.5	50
ZW-204	265	400	230	76	187	492	20	63

Belt Drive ZW Series Three-Lobe Roots Type Blower Packages Outline Drawing (Pressure Application)

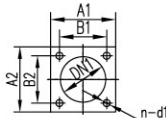
ZW 系列三叶罗茨鼓风机机组皮带传动外形安装尺寸图 (正压应用)



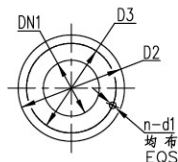
排气口法兰尺寸
Outlet Flange Size



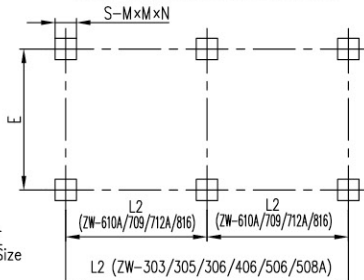
风机进口法兰尺寸
Blower Inlet Flange Size (A向)



风机进口法兰尺寸
Blower Inlet Flange Size



地脚螺栓预留孔布置图
Anchor Bolt Hole Arrangement Diagram



地脚螺栓规格
Anchor Bolt Type

风机型号 Blower Type	地脚螺栓规格 Anchor Bolt Type
ZW-303	M12×250
ZW-305	M12×250
ZW-306	M12×250
ZW-406	M12×250
ZW-506	M16×300
ZW-508A	M16×300
ZW-610A	M16×300
ZW-709	M16×300
ZW-712A	M16×300
ZW-816	M16×300

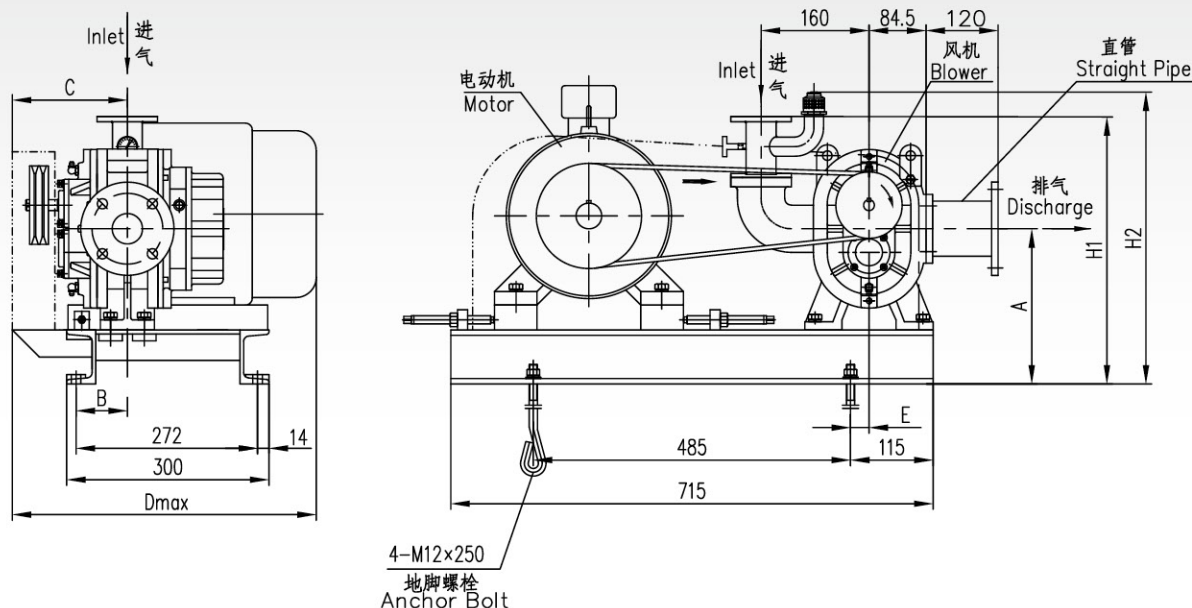
注：本图拆去了进口消声器

风机型号 Blower Type	A	B	E	F	Gmax	J	K	L	L1	L2	L3	L4	H	H1	n-d	DN	D1	D	S	M	N	DN1	A1	A2	B1	B2	D2	D3	n-d1	机组重量(kg) (不含电机) Unit Weight (Kg) (Without Motor)
ZW-303	170	140	387	14	545	102	221	730	110	510	810	0	145	350	4-φ18	50	φ125	φ165	4	120	400	50	100	80	75	60			4-M10	85
ZW-305	170	150	387	14	550	102	221	730	110	510	810	0	150	355	4-φ18	65	φ145	φ185	4	120	400	65	110	110	80	80			4-M10	95
ZW-306	170	150	387	14	550	113	247	730	110	510	810	0	150	355	4-φ18	65	φ145	φ185	4	120	400	65	110	110	80	80			4-M10	100
ZW-406	180	180	417	14	650	111	250	795	112.5	570	875	19	165	400	8-φ18	80	φ160	φ200	4	120	400	80	152	152	100	114			4-M12	145
ZW-506	220	180	470	20	740	125	295	910	125	660	990	39.5	190	475	8-φ18	100	φ180	φ220	4	150	500	100	180	135	130	80			4-M16	200
ZW-508A	220	220	470	20	815	125	295	910	125	660	990	39.5	190	475	8-φ18	125	φ210	φ250	4	150	500	100	180	180	130	130			4-M16	215
ZW-610A	260	220	545	20	880	215	360	1020	110	400	1100	87	225	580	8-φ22	150	φ240	φ285	6	150	500	125					250	210	8-M16	340
ZW-709	310	220	590	20	980	215	385	1255	127.5	500	1335	87.5	235	660	8-φ22	150	φ240	φ285	6	150	500	150	200	200	150	150			4-M20	470
ZW-712A	310	250	630	20	1000	196	402	1255	127.5	500	1335	87.5	235	660	8-φ22	200	φ295	φ340	6	150	500	150					285	240	8-M20	500
ZW-816	356	250	740	20	1091	300	455	1320	160	500	1400	77.5	262	774	8-φ22	200	φ295	φ340	6	150	500	200					340	295	8-M20	735

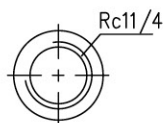


Belt Drive ZW Series Three-Lobe Roots Type Blower Packages Outline Drawing (Vacuum Application)

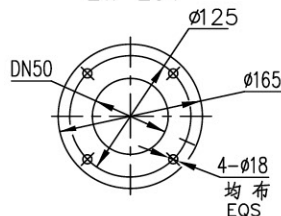
ZW 系列三叶罗茨鼓风机机组皮带传动外形安装尺寸图 (真空应用)



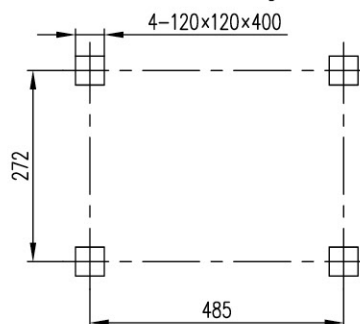
进、排气口连接尺寸
Inlet & Outlet Flange Size
ZW-202



进、排气口连接尺寸
Inlet & Outlet Flange Size
ZW-204



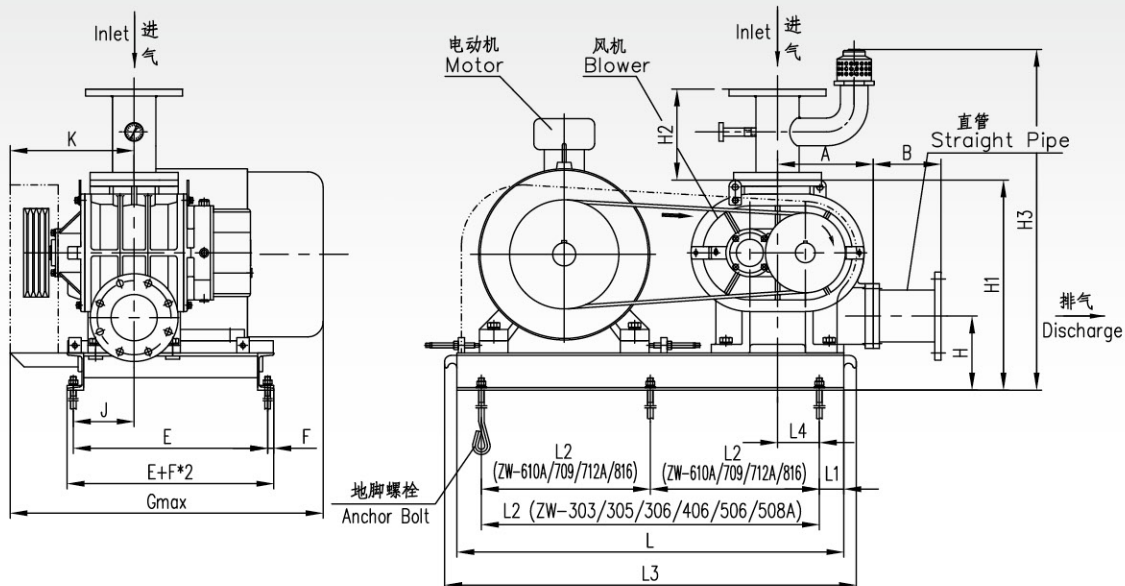
地脚螺栓预留孔布置图
Anchor Bolt Hole Arrangement Diagram



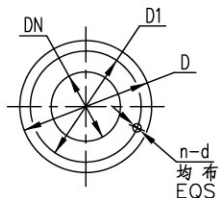
风机型号 Blower Type	A	B	C	D	E _{max}	H ₁	H ₂	机组重量 (kg) (不含电机) Unit Weight (Without Motor) Kg
ZW-202	204	63	174	492	28.5	374	518	47
ZW-204	230	76	187	492	20	470	592	60

Belt Drive ZW Series Three-Lobe Roots Type Blower Packages Outline Drawing (Vacuum Application)

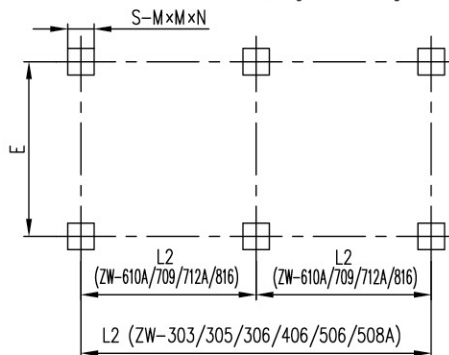
ZW 系列三叶罗茨鼓风机机组皮带传动外形安装尺寸图 (真空应用)



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



地脚螺栓预留孔布置图
Anchor Bolt Hole Arrangement Diagram



地脚螺栓规格
Anchor Bolt Type

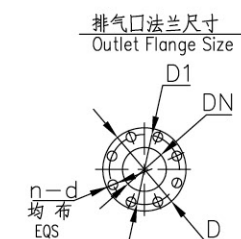
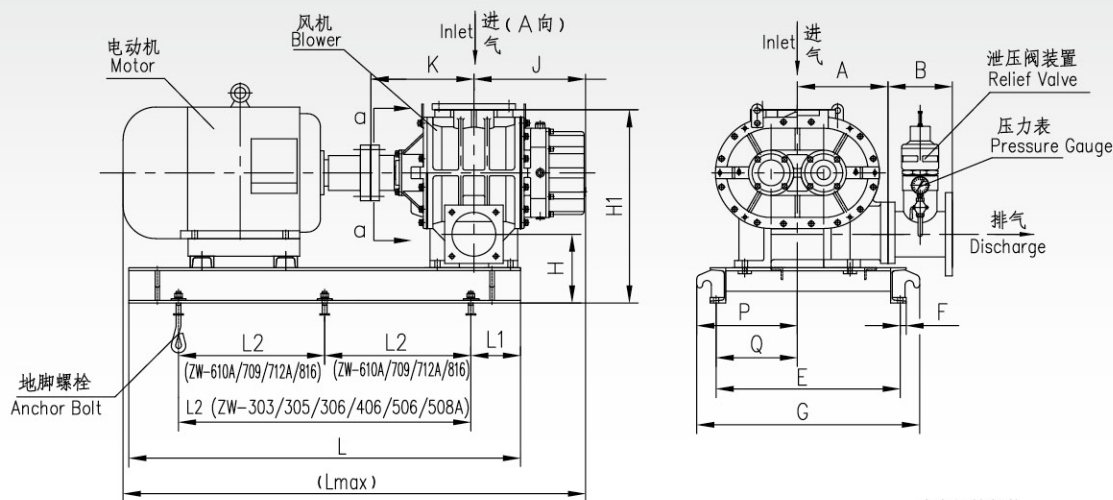
风机型号 Blower Type	地脚螺栓规格 Anchor Bolt Type
ZW-303	M12×250
ZW-305	M12×250
ZW-306	M12×250
ZW-406	M12×250
ZW-506	M16×300
ZW-508A	M16×300
ZW-610A	M16×300
ZW-709	M16×300
ZW-712A	M16×300
ZW-816	M16×300

风机型号 Blower Type	A	B	E	F	Gmax	J	K	L	L1	L2	L3	L4	H	H1	H2	H3	n-d	DN	D1	D	S	M	N	机座重量 (kg) (不含电机) Unit Weight (kg) (Without Motor)
ZW-303	170	120	387	14	545	102	221	730	110	510	810	0	145	350	160	632	4-φ18	50	φ125	φ165	4	120	400	80
ZW-305	170	120	387	14	550	102	221	730	110	510	810	0	150	355	160	637	4-φ18	65	φ145	φ185	4	120	400	90
ZW-306	170	120	387	14	550	113	247	730	110	510	810	0	150	355	160	637	4-φ18	65	φ145	φ185	4	120	400	95
ZW-406	180	120	417	14	650	111	250	795	112.5	570	875	19	165	400	180	692	8-φ18	80	φ160	φ200	4	120	400	130
ZW-506	220	120	470	20	740	125	295	910	125	660	990	39.5	190	475	180	692	8-φ18	100	φ180	φ220	4	150	500	190
ZW-508A	220	160	470	20	815	125	295	910	125	660	990	39.5	190	475	220	877	8-φ18	125	φ210	φ250	4	150	500	200
ZW-610A	260	180	545	20	880	215	360	1020	110	400	1100	87	225	580	220	982	8-φ22	150	φ240	φ285	6	150	500	310
ZW-709	310	120	590	20	980	215	385	1255	127.5	500	1335	87.5	235	660	220	1042	8-φ22	150	φ240	φ285	6	150	500	440
ZW-712A	310	180	630	20	1000	196	402	1255	127.5	500	1335	87.5	235	660	250	1077	8-φ22	200	φ295	φ340	6	150	500	480
ZW-816	356	120	740	20	1091	300	455	1320	160	500	1400	77.5	262	774	250	1171	8-φ22	200	φ295	φ340	6	150	500	700

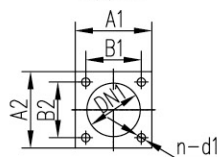


Direct Drive ZW Series Three-Lobe Roots Type Blower Packages Outline Drawing (Pressure Application)

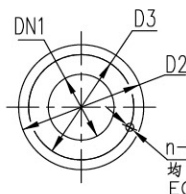
ZW 系列三叶罗茨鼓风机机组直联传动外形安装尺寸图 (正压应用)



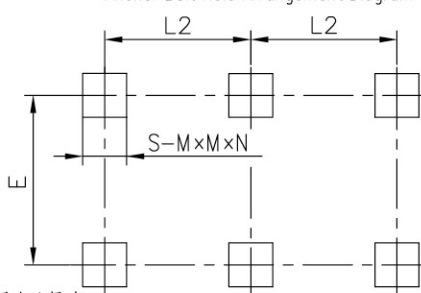
风机进口法兰尺寸
Blower Inlet Flange Size (A向)



风机进口法兰尺寸
Blower Inlet Flange Size



地脚螺栓预留孔布置图
Anchor Bolt Hole Arrangement Diagram



地脚螺栓规格
Anchor Bolt Type

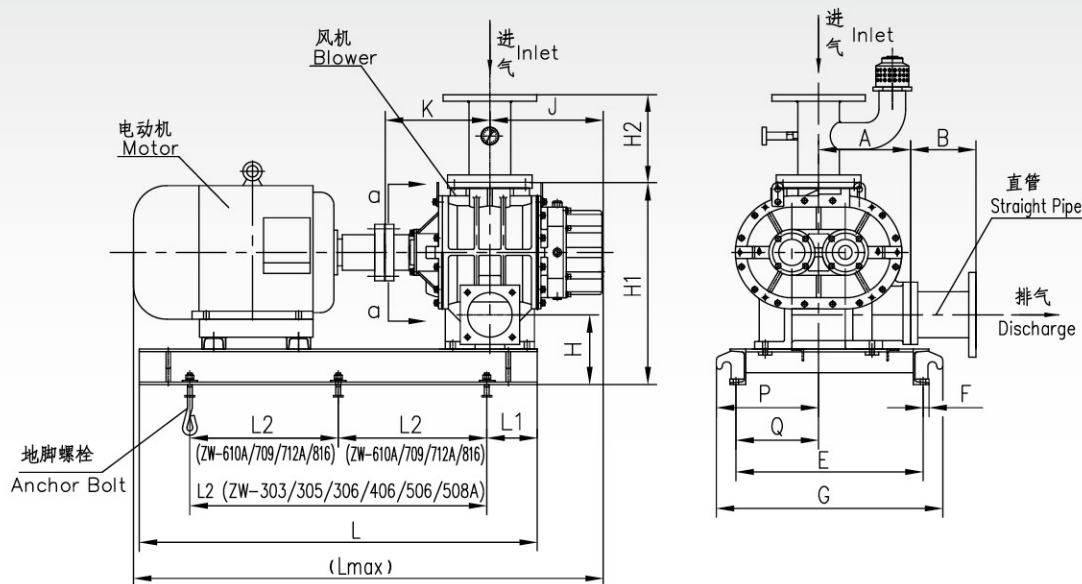
风机型号 Blower Type	地脚螺栓规格 Anchor Bolt Type
ZW-303	M12×250
ZW-305	M12×250
ZW-306	M12×250
ZW-406	M12×250
ZW-506	M16×300
ZW-508A	M16×300
ZW-610A	M16×300
ZW-709	M16×300
ZW-712A	M16×300
ZW-816	M16×300

注：本图拆去了进口消声器

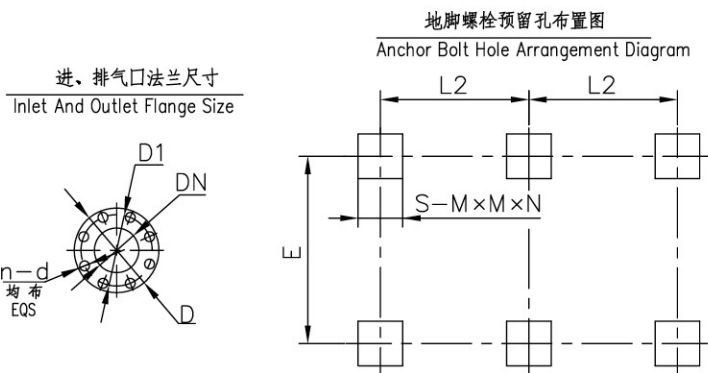
风机型号 Blower Type	A	B	E	F	G	J	K	L	L1	L2	Lmax	H	H1	P	Q	n-d	DN	D1	D	S	M	N	DN1	A1	A2	B1	B2	D2	D3	n-d1	机组重量 (kg) Unit Weight (kg) (Without Motor)
ZW-303	170	140	387	14	504	162	167	680	85	510	780	145	350	211.5	153.5	4-φ18	50	φ125	φ165	4	120	400	50	80	100	60	75			4-M10	85
ZW-305	170	150	387	14	504	177	182	680	85	510	780	150	355	211.5	153.5	4-φ18	65	φ145	φ185	4	120	400	65	110	110	80	80			4-M10	95
ZW-306	170	150	387	14	504	191	197	780	110	510	977	150	355	212	149.5	4-φ18	65	φ145	φ185	4	120	400	65	110	110	80	80			4-M10	100
ZW-406	180	180	417	14	534	217	228	845	102.5	640	1080	165	400	216	157.5	8-φ18	80	φ160	φ200	4	120	400	80	152	152	114	100			4-M12	145
ZW-506	220	180	470	20	590	235	250	910	85	740	1114	190	475	275	215	8-φ18	100	φ180	φ220	4	150	500	100	135	180	80	130			4-M16	200
ZW-508A	220	220	470	20	590	262	273	910	85	740	1195	190	475	275	215	8-φ18	125	φ210	φ250	4	150	500	100	180	180	130	130			4-M16	215
ZW-610A	260	220	545	20	685	332	331	1100	130	420	1465	225	580	300.5	230.5	8-φ22	150	φ240	φ285	6	150	500	125					250	210	8-M16	335
ZW-709	310	220	630	20	762	345	357	1260	130	500	1570	235	660	324	258	8-φ22	150	φ240	φ285	6	150	500	150	200	200	150	150			4-M20	440
ZW-712A	310	250	630	20	762	377	373	1340	170	500	1667	235	660	324	258	8-φ22	200	φ295	φ340	6	150	500	150					285	240	8-M20	470
ZW-816	356	250	775	20	915	432	444	1485	142.5	600	1902	262	774	427	357	8-φ22	200	φ295	φ340	6	150	500	200					340	295	8-M20	705

Direct Drive ZW Series Three-Lobe Roots Type Blower Packages Outline Drawing (Vacuum Application)

ZW 系列三叶罗茨鼓风机机组直联传动外形安装尺寸图 (真空应用)



地脚螺栓规格
Anchor Bolt Type



风机型号 Blower Type	地脚螺栓规格 Anchor Bolt Type
ZW-303	M12×250
ZW-305	M12×250
ZW-306	M12×250
ZW-406	M12×250
ZW-506	M16×300
ZW-508A	M16×300
ZW-610A	M16×300
ZW-709	M16×300
ZW-712A	M16×300
ZW-816	M16×300

风机型号 Blower Type	A	B	E	F	G	J	K	L	L1	L2	Lmax	H	H1	H2	P	Q	n-d	DN	D1	D	S	M	N	机组重量 (kg) (不含电机) Unit Weight (Kg) (Without Motor)
ZW-303	170	120	387	14	504	162	167	680	85	510	780	145	350	160	211.5	153.5	4-φ18	50	φ125	φ165	4	120	400	80
ZW-305	170	120	387	14	504	177	182	680	85	510	780	150	355	160	211.5	153.5	4-φ18	65	φ145	φ185	4	120	400	90
ZW-306	170	120	387	14	504	191	197	780	110	510	977	150	355	160	212	149.5	4-φ18	65	φ145	φ185	4	120	400	95
ZW-406	180	120	417	14	534	217	228	845	102.5	640	1080	165	400	180	216	157.5	8-φ18	80	φ160	φ200	4	120	400	130
ZW-506	220	120	470	20	590	235	250	910	85	740	1114	190	475	180	275	215	8-φ18	100	φ180	φ220	4	150	500	190
ZW-508A	220	160	470	20	590	262	273	910	85	740	1195	190	475	220	275	215	8-φ18	125	φ210	φ250	4	150	500	200
ZW-610A	260	180	545	20	685	332	331	1100	130	420	1465	225	580	220	300.5	230.5	8-φ22	150	φ240	φ285	6	150	500	310
ZW-709	310	120	630	20	762	345	357	1260	130	500	1570	235	660	220	324	258	8-φ22	150	φ240	φ285	6	150	500	415
ZW-712A	310	180	630	20	762	377	373	1340	170	500	1667	235	660	250	324	258	8-φ22	200	φ295	φ340	6	150	500	450
ZW-816	356	120	775	20	915	432	444	1485	142.5	600	1902	262	774	250	427	357	8-φ22	200	φ295	φ340	6	150	500	670

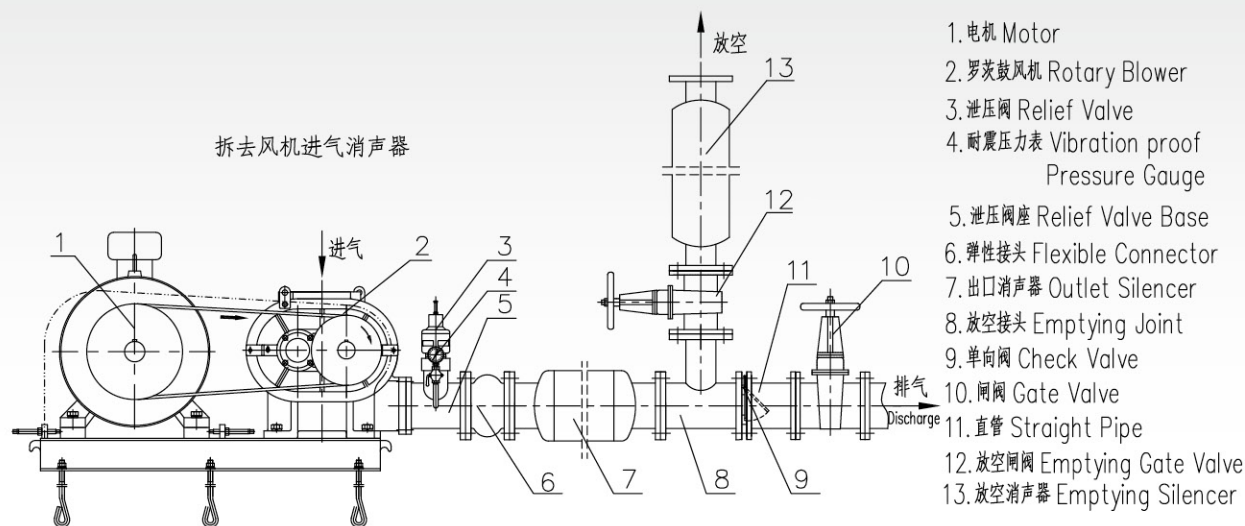


Rotary Blower & Vacuum Pump Installation Sample I

罗茨鼓风机、罗茨真空泵配管布置简图 I

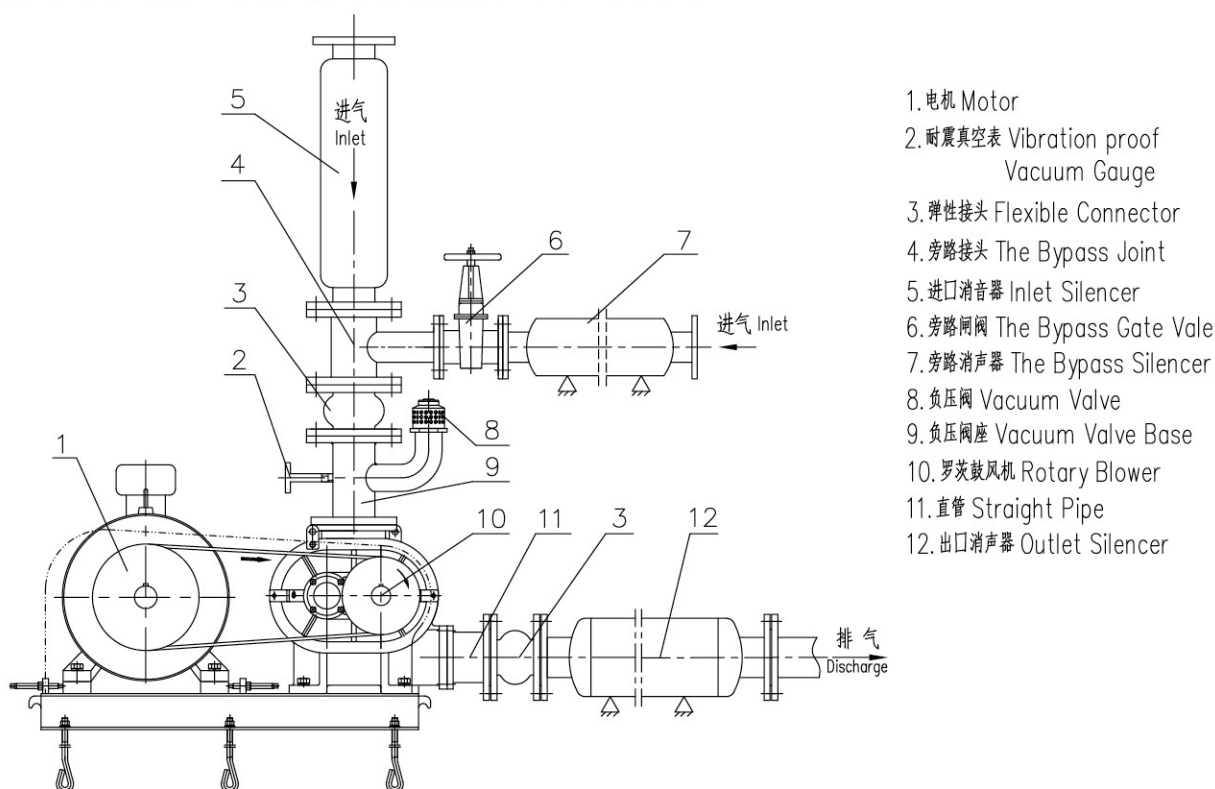
Belt Drive Rotary Blower Installation Sample

皮带传动罗茨鼓风机配管布置简图



Belt Drive Vacuum Pump Installation Sample

皮带传动罗茨真空泵配管布置简图

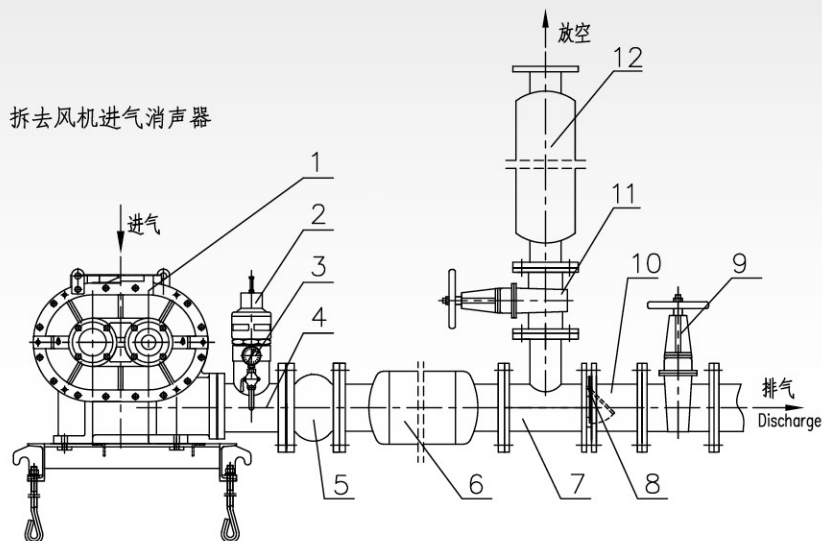


Rotary Blower & Vacuum Pump Installation Sample II

罗茨鼓风机、罗茨真空泵配管布置简图 II

Direct Drive Rotary Blower Installation Sample

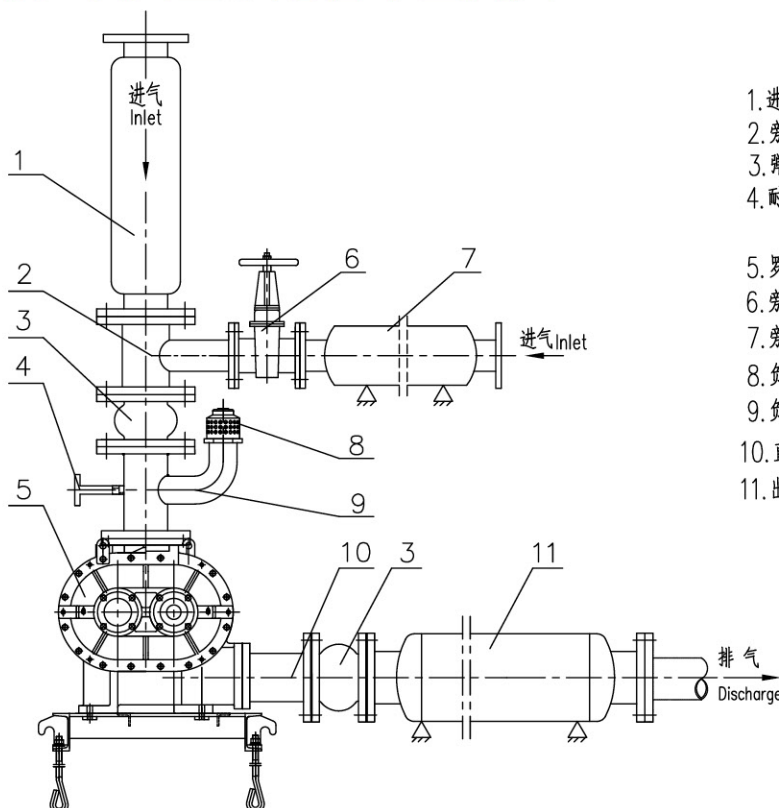
直联传动罗茨鼓风机配管布置简图



1. 罗茨鼓风机 Rotary Blower
2. 泄压阀 Relief Valve
3. 耐震压力表 Vibration proof Pressure Gauge
4. 泄压阀座 Relief Valve Base
5. 弹性接头 Flexible Connector
6. 出口消声器 Outlet Silencer
7. 放空接头 Emptying Joint
8. 单向阀 Check Valve
9. 闸阀 Gate Valve
10. 直管 Straight Pipe
11. 放空闸阀 Emptying Gate Valve
12. 放空消声器 Emptying Silencer

Direct Drive Vacuum Pump Installation Sample

直联传动罗茨真空泵配管布置简图



1. 进口消音器 Inlet Silencer
2. 旁路接头 The Bypass Joint
3. 弹性接头 Flexible Connector
4. 耐震真空表 Vibration proof Vacuum Gauge
5. 罗茨鼓风机 Rotary Blower
6. 旁路闸阀 The Bypass Gate Valve
7. 旁路消声器 The Bypass Silencer
8. 负压阀 Vacuum Valve
9. 负压阀座 Vacuum Valve Base
10. 直管 Straight Pipe
11. 出口消声器 Outlet Silencer

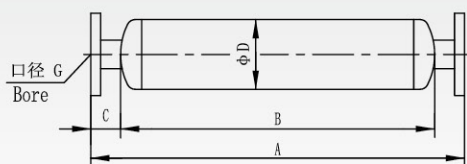


Special Accessories Dimension

特殊附属品尺寸

消声器

Silencer



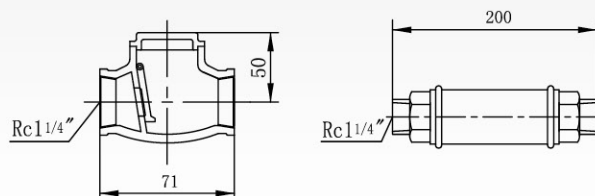
型号 Type	G	A	B	C	D	重量kg Weight
KM-32	1 1/4"	490			102	5
KM-50	50 ^A	600	480	60	140	13
KM-65	65 ^A	700	560	70	165	17
KM-80	80 ^A	900	740	80	190	23
KM-100	100 ^A	1200	1040	80	215	33
KM-125	125 ^A	1400	1210	95	260	45
KM-150	150 ^A	1600	1410	95	281	61
KMR-200	200 ^A	1300	940	180	461	71

ZW-202风机用单向阀

Check Valve use for ZW-202

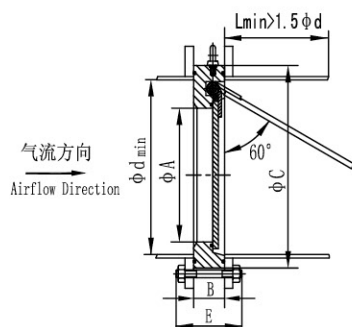
ZW-202风机用弹性接头

Flexible Joint use for ZW-202



单向阀

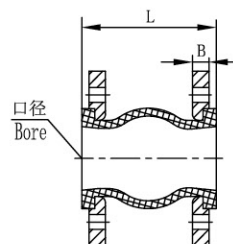
Check Valve



型号 Type	口径 Bore	dmin	A	B	C	E	重量kg Weight
DCV-50	50 ^A	50	37	18	105	100	0.95
DCV-65	65 ^A	65	45	18	125	100	1.4
DCV-80	80 ^A	80	52	18	140	100	1.65
DCV-100	100 ^A	100	65	18	160	110	2.2
DCV-125	125 ^A	125	90	18	190	110	3.0
DCV-150	150 ^A	150	115	18	215	120	3.6
DCV-200	200 ^A	200	160	23	270	130	6.75

弹性接头 (KXT-III型)

Type KXT-III Flexible Connector



(GB 1.0MPa 法兰 Flange)

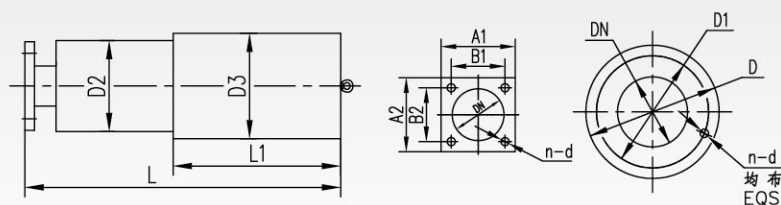
口径 Bore	L	B	水平位移 Horizontal Displacement		倾向位移 Lateral Displacement	偏转角度 Deflexion Angle	重量 kg Weight
			伸长 Protraction	压缩 Compression			
50 ^A	105	18	7	10	10	15°	4.25
65 ^A	115	20	7	13	11	15°	4.8
80 ^A	135	20	8	15	12	15°	5.3
100 ^A	150	22	10	19	13	15°	6.7
125 ^A	165	24	12	19	13	15°	7.3
150 ^A	180	24	12	20	14	15°	11.9
200 ^A	190	24	16	25	22	15°	13.5

Special Accessories Dimension

特殊附属品尺寸

XF型进口消声器

Type XF Inlet Silencer



型号 Type	A1	A2	B1	B2	DN	D	D1	D2	D3	n-d	L	L1	重量kg Weight
XF-ZW303-01	80	100	60	75	50	/	/	ø165	ø190	4-ø12	612	300	11
XF-ZW305-01	110	110	80	80	65	/	/	ø216	ø241.5	4-ø12	702	350	16
XF-ZW406-01	152	152	100	114	80	/	/	ø268	ø318.5	4-ø14	990	550	30
XF-ZW506-01	135	180	80	130	100	/	/	ø268	ø318.5	4-ø18	990	550	30
XF-ZW508A-01	180	180	130	130	125	/	/	ø319	ø356	4-ø18	1120	600	38
XF-ZW610A-01	/	/	/	/	150	250	210	ø380	ø440	8-ø18	1450	750	56
XF-ZW709-01	200	200	150	150	150	/	/	ø380	ø440	4-ø22	1450	750	56
XF-150-01-QYK	/	/	/	/	150	285	240	ø380	ø440	8-ø22	1450	750	56
XF-200-01-QYK	/	/	/	/	200	340	295	ø430	ø600	8-ø22	1775	650	78



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