



引进美国技术

ZGB系列

新型高效罗茨鼓风机

HIGH EFFICIENCY ROOTS TYPE BLOWER

山东章鼓 股票代码：002598



高效

High Efficiency

节能

Energy Saving

环保

Ecofriendly

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



公司简介

山东省章丘鼓风机股份有限公司（以下简称山东章鼓，股票代码：002598）是国家重点风机生产企业，具有四十多年的风机设计、制造技术和经验，是国内值得信赖的罗茨鼓风机生产和销售厂家。公司先后建立了两家中日合资企业，并在美国设立了分公司，成为建立分公司的企业，目前公司已成为集罗茨鼓风机、罗茨真空泵、离心鼓风机、工业泵、磨机、气力输送设备、电气控制设备等机械产品研发、设计、生产、制造于一体的现代化企业。2011年7月，公司在深交所成功上市。

山东章鼓有享受国务院特殊津贴的专家、工程技术应用研究员、有“泰山学者”、济南市“5150”工程引进的日本专家博士、有享受省、市政府津贴的高级专业人才，先后与清华大学、西安交通大学、浙江大学、江苏大学、山东大学、山东科技大学等高等院校建立了产学研基地并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。

山东章鼓先后荣获“中国机械500强企业”、通用设备制造业“自主创新能力十强”、风机行业“用户满意企业”、“山东省利税五十强企业”等多项荣誉，是国家高新技术企业。

Company Profile

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

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

The company is ranked among the top 500 enterprises in Chinese Machinery Industry, the top 10 innovation enterprises in the domestic blower, weighing apparatus, and packaging equipment industries, the top 50 enterprises in taxpaying in Shandong Province. The company is also recognized to be "The Client Satisfaction Enterprises in Blower Industry". "The Famous Brand in Shandong Province", "QILU" is appraised to be "The Most Competitive Power Brand in 2006" and "The Famous Brand in Shandong Province".

高效
节能
环保



企业文化

工作理念：做，就做到最好

发展战略：拉长主业 上新创新

合资合作 做大做强

CORPORATE CULTURE

Working principle:

Just Do Your Best!

Developing Strategy:

Expand the core business,strengthen innovation,
and seek cooperation to become an excellent enterprise.



ZGB系列两叶罗茨鼓风机简介

产品简介

ZGB 系列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 MB 系列罗茨鼓风机基础上，应用本公司专有技术自行设计、开发的更新换代产品，该产品在结构和性能上得到大大改善和提高，是当今世界的技术领先产品，是具有最好性价比的产品。

主要特点

- 转速高，效率高，体积小，重量轻，结构紧凑。
- 采用空冷结构，单级压力 98kPa 不用冷却水。
- 叶轮采用先进结构，两叶叶型，面积利用系数高，叶轴一体结构，刚性好，保证风机在高速下压力高、流量大、运行平稳。
- 可根据用户需求配套组装式高效隔声罩，使风机噪音降至 85dB(A) 以下，甚至更低。
- 采用精密硬齿面斜齿同步齿轮，无键联接，定位可靠，运行平稳，噪音低，强度高，寿命长。
- 轴承采用重型轴承，高温、高速下运行可靠。
- 轴承的轴向固定采用锁紧盘，避免了传统的圆螺母、止动垫联接对轴强度的削弱，使轴强度更高。
- 油箱采用铝合金材质，散热效果好，重量轻。
- 特殊密封环，密封效果好，寿命长。
- 风机主机能够立卧两用，可以方便替换国外机型。
- 密集型机组结构紧凑，设计新颖，性能可靠，皮带涨紧采用自涨紧结构，使用维护方便。
- 皮带轮采用球墨铸铁材质，允许转速高，皮带轮与轴联接采用标准胀套，联接可靠，维护方便。
- 密集型机组装有风机专用泄荷阀，与电磁阀配合使用，管路系统没有旁路放空阀时，也可实现风机空负荷起动、停止，方便用户使用。

产品性能

鼓风机

压力：9.8~98kPa

流量：34.3~136.9m³/min

轴功率：10~199 kW

真空泵

压力：-9.8~-49kPa

流量：34.6~136.4m³/min

轴功率：10~140.2 kW

高效

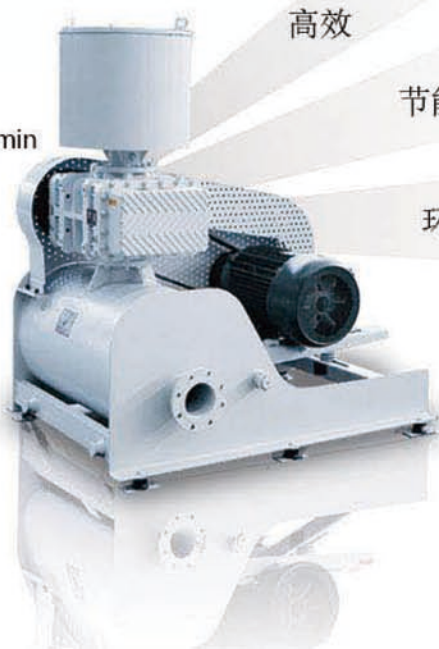
节能

环保

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、泄压阀、单向阀、弹性接头、压力表、减震器、膨胀螺栓

可选附件：电机、起动柜、隔声罩、风机专用泄荷阀



ZGB 系列罗茨鼓风机性能表
ZGB Series Roots Type Blower Pressure Performance Data

风机 型号 Model	转速 rpm	理论流量 Theoretical Capacity m³/min	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		
	r/min		9.8kPa			19.6kPa			29.4kPa			39.2kPa			49kPa			58.8kPa			68.6kPa			78.4kPa			88.2kPa			98kPa			
	n	Qth	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				
ZGB-200	970	54.3	47.9	10.0	11	45.3	18.8	22	43.3	27.7	37	41.6	36.6	45	40.1	45.4	55	38.8	54.3	75	37.6	63.2	75	36.4	72.1	90	35.3	80.9	90	34.3	89.8	110	4
	1250	70.0	63.6	14.6	18.5	61.0	26.1	30	59.0	37.5	45	57.3	48.9	55	55.8	60.3	75	54.5	71.8	90	53.2	83.2	110	52.1	94.6	110	51.0	106.1	132	50.0	117.5	132	4
	1450	81.2	74.8	18.1	22	72.2	31.3	37	70.2	44.6	55	68.5	57.8	75	67.0	71.1	90	65.6	84.3	110	64.4	97.6	110	63.2	110.9	132	62.2	124	160	61.1	137.4	160	4
	1600	89.6	83.2	20.2	30	80.5	34.9	45	78.5	49.5	55	76.9	64.1	75	75.4	78.7	90	74.0	93.4	110	72.8	108.0	132	71.6	122.6	132	70.6	137	160	69.5	151.9	185	4
	1750	98.0	91.5	22.0	30	88.9	38.0	45	86.9	54.0	75	85.2	70.0	90	83.8	86.0	110	82.4	102.0	132	81.2	118.0	132	80.0	134.0	160	78.9	150	185	77.9	166.0	185	4
	1900	106.4	99.9	26.6	30	97.3	43.9	55	95.3	61.3	75	93.6	78.7	90	92.1	96.1	110	90.8	113.4	132	89.6	130.8	160	88.4	148.2	185	87.3	166	185	86.3	182.9	200	4
	2050	114.8	108.3	30.4	37	105.7	49.2	55	103.7	67.9	75	102.0	86.7	110	100.5	105.4	132	99.2	124.2	160	97.9	142.9	160	96.8	161.7	185	95.7	180	200	94.7	199.0	220	4
ZGB-250	970	69.1	61.4	12.9	15	58.2	24.2	30	55.7	35.5	45	53.6	46.7	55	51.8	58.0	75	50.1	69.3	75	48.6	80.6	90										4
	1250	89.0	81.3	19.0	22	78.1	33.6	37	75.6	48.1	55	73.6	62.7	75	71.7	77.2	90	70.1	91.8	110	68.5	106.3	132										4
	1450	103.3	95.6	23.9	30	92.4	40.7	55	89.9	57.6	75	87.8	74.5	90	86.0	91.4	110	84.3	108.2	132	82.8	125.1	160										4
	1600	114.0	106.3	26.7	30	103.1	45.3	55	100.6	63.9	75	98.5	82.6	90	96.7	101.2	110	95.0	119.8	132	93.5	138.4	160										4
	1750	124.7	117.0	32.5	37	113.8	52.8	75	111.3	73.2	90	109.2	93.5	110	107.4	113.9	132	105.7	134	160	104.2	154.6	185										4
	1900	135.4	128	38.0	45	124	60.1	75	122	82.2	90	119.9	104.3	132	118.1	126.4	160	116.4	149	185	114.9	170.7	185										4
	2050	146.0	136.9	44.8	55	133	68.6	75	130	92.5	110	127.7	116.3	132	125.5	140	160	123.5	164	185	121.7	187.9	220										4

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

ZGB系列罗茨真空泵性能表

ZGB Series Roots Type Blower Vacuum Performance Data

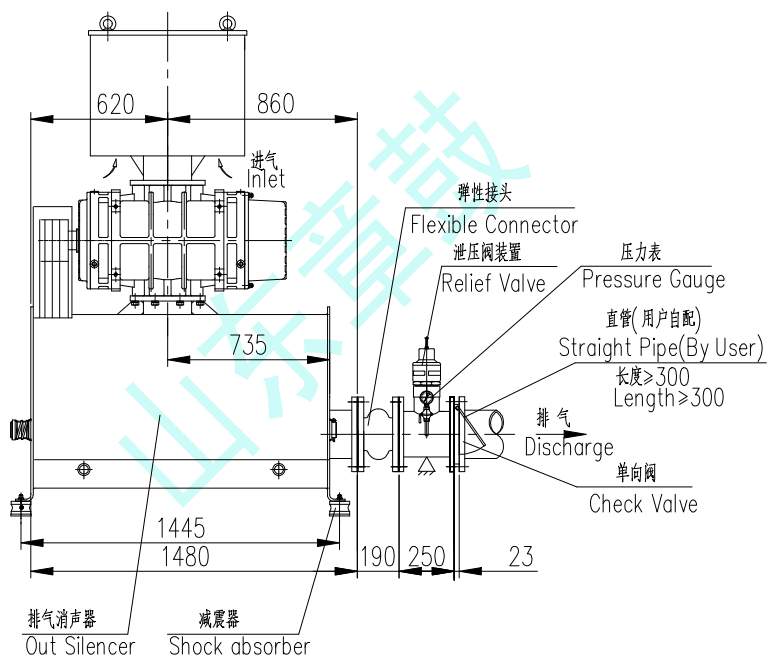
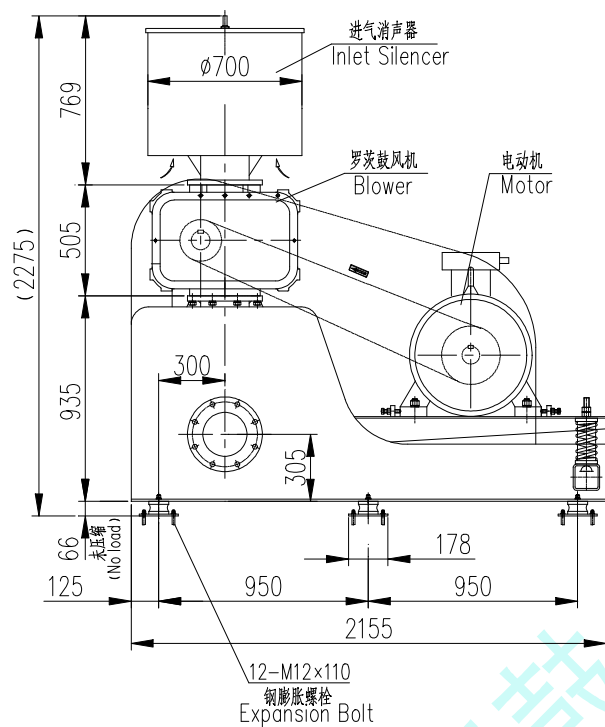
风机 型号 Model	转速 rpm r/min	理论流量 Theoretical Capacity m³/min	各排气压力下的进口流量Qs(m³/min),轴功率La(kW)及所配电机功率Po(kW) Inlet Flow Qs (m³/min),Shaft Power La (kW) and Motor Power Po (kW)															电机极数 Motor Pole
			-9.8kPa			-19.6kPa			-29.4kPa			-39.2kPa			-49kPa			
	n	Qth	Qs	La	Po	Qs	La	Po	Qs	La	Po	Qs	La	Po	Qs	La	Po	
ZGB-200	970	54.3	47.6	10.0	11	44.3	18.8	22	41.3	27.7	37	38.1	36.6	45	34.6	45.4	55	4
	1250	70.0	63.3	14.6	18.5	60.0	26.1	30	56.9	37.5	45	53.8	48.9	55	50.3	60.3	75	4
	1450	81.2	74.4	18.1	22	71.1	31.3	37	68.1	44.6	55	65.0	57.8	75	61.4	71.1	90	4
	1600	89.6	82.8	20.2	30	79.5	34.9	45	76.5	49.5	55	73.4	64.1	75	69.8	78.7	90	4
	1750	98.0	91.2	22.0	30	87.9	38.0	45	84.9	54.0	75	81.7	70.0	90	78.2	86.0	110	4
	1900	106.4	99.6	26.6	30	96.3	43.9	55	93.3	61.3	75	90.1	78.7	90	86.6	96.1	110	4
	2050	114.8	108.0	30.4	37	104.7	49.2	55	101.7	67.9	75	98.5	86.7	110	95.0	105.4	132	4
ZGB250	970	69.1	61.8	12.9	15	58.2	24.2	30	54.9	35.5	45	51.4	46.7	55	47.5	58.0	75	4
	1250	89.0	80.9	19.0	22	76.9	33.6	37	73.1	48.1	55	69.2	62.7	75	64.9	77.2	90	4
	1450	103.3	95.2	23.9	30	91.1	40.7	55	87.4	57.6	75	83.5	74.5	90	79.1	91.4	110	4
	1600	114.0	105.9	26.7	30	101.8	45.3	55	98.1	63.9	75	94.2	82.6	90	89.8	101.2	110	4
	1750	124.7	116.6	32.5	37	112.5	52.8	75	108.8	73.2	90	104.9	93.5	110	100.5	113.9	132	4
	1900	135.4	127.3	38.0	45	123.2	60.1	75	119.5	82.2	90	115.6	104.3	132	111.2	126.4	160	4
	2050	146.0	136.4	44.8	55	131.6	68.6	75	127.2	92.5	110	122.5	116.3	132	117.4	140.2	160	4

进口流量是指在在各真空度下，进口温度20℃，出口为绝压101.325kPa进口空气流量

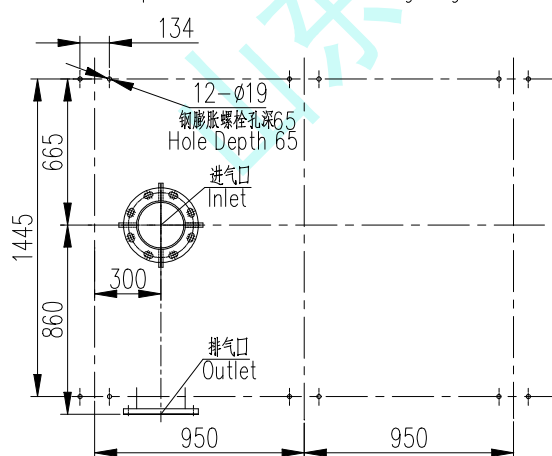
Performance based on inlet air at standard temperature of 20℃,and discharge at an ambient pressure of 101.325kPa.

ZGB-200 罗茨鼓风机外形安装尺寸图

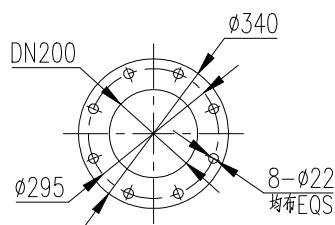
ZGB-200 Roots Type Blower Packages Outline Drawing (Pressure Application)



钢膨胀螺栓孔布置图
Expansion Bolt Hole Distributing Diagram



风机排气口法兰尺寸
Outlet Flange Size

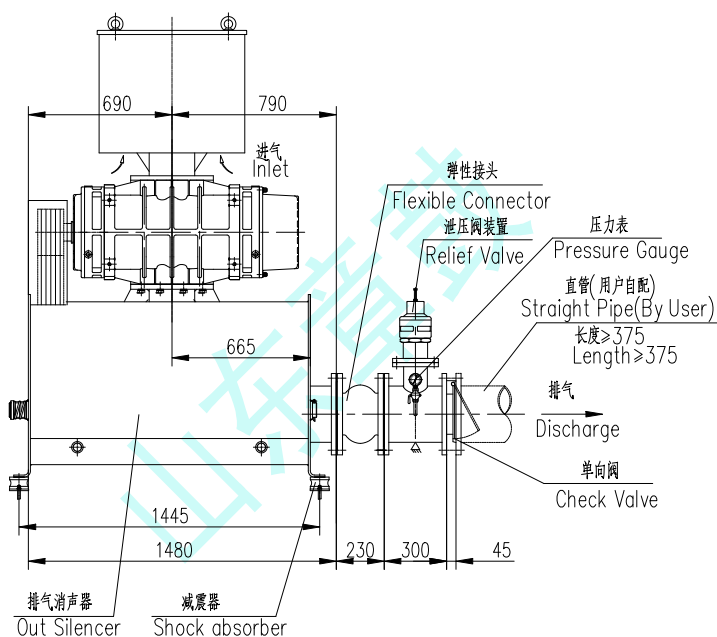
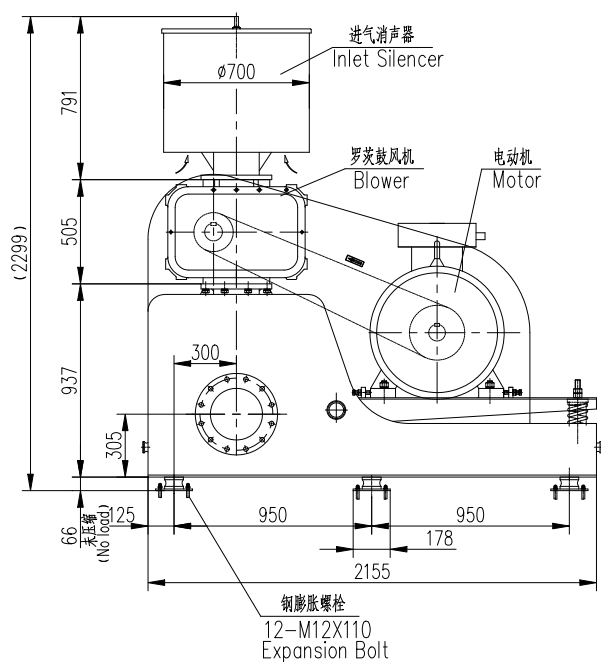


注: Δ 处用户自行设立支撑。

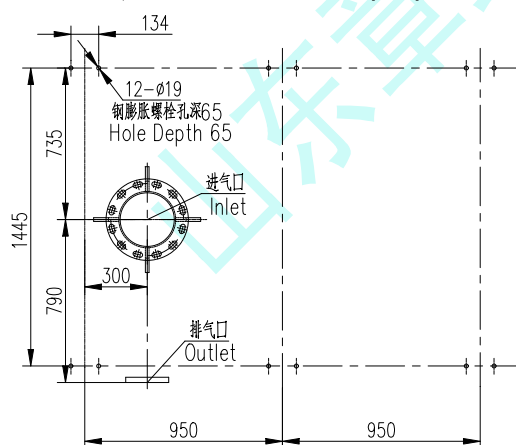
Note: Δ Customer provided support.

ZGB-250 罗茨鼓风机外形安装尺寸图

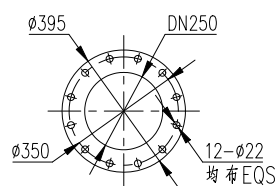
ZGB-250 Roots Type Blower Packages Outline Drawing (Pressure Application)



钢膨胀螺栓孔布置图
Expansion Bolt Hole Distributing Diagram



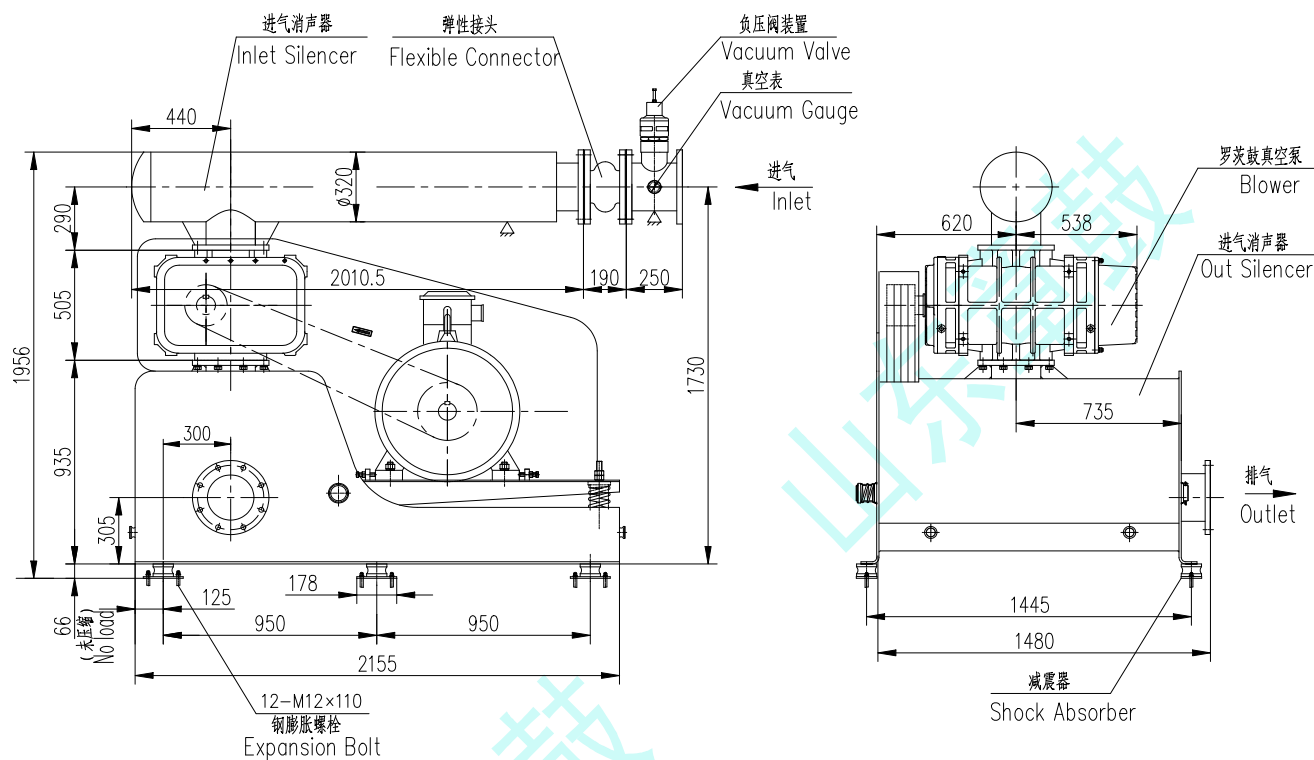
风机排气口法兰尺寸
Outlet Flange Size



注: △ 处用户自行设立支撑
Note: △ Customer provided support.

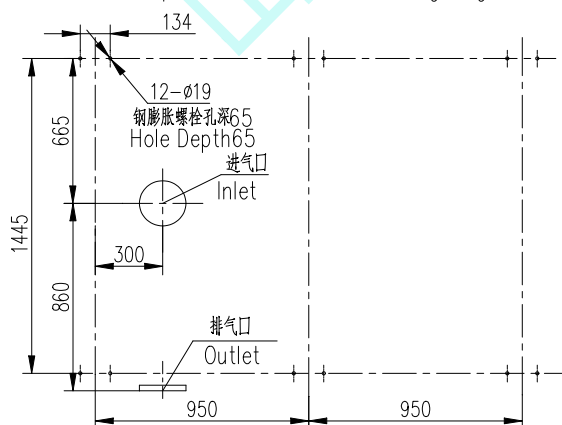
ZGB-200V 罗茨真空泵机组外形安装尺寸图

ZGB-200 V Roots Type Blower Packages Outline Drawing (Vacuum Application)

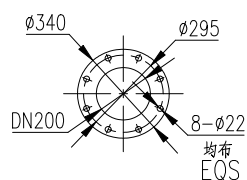


钢膨胀螺栓孔布置图

Expansion Bolt Hole Distributing Diagram



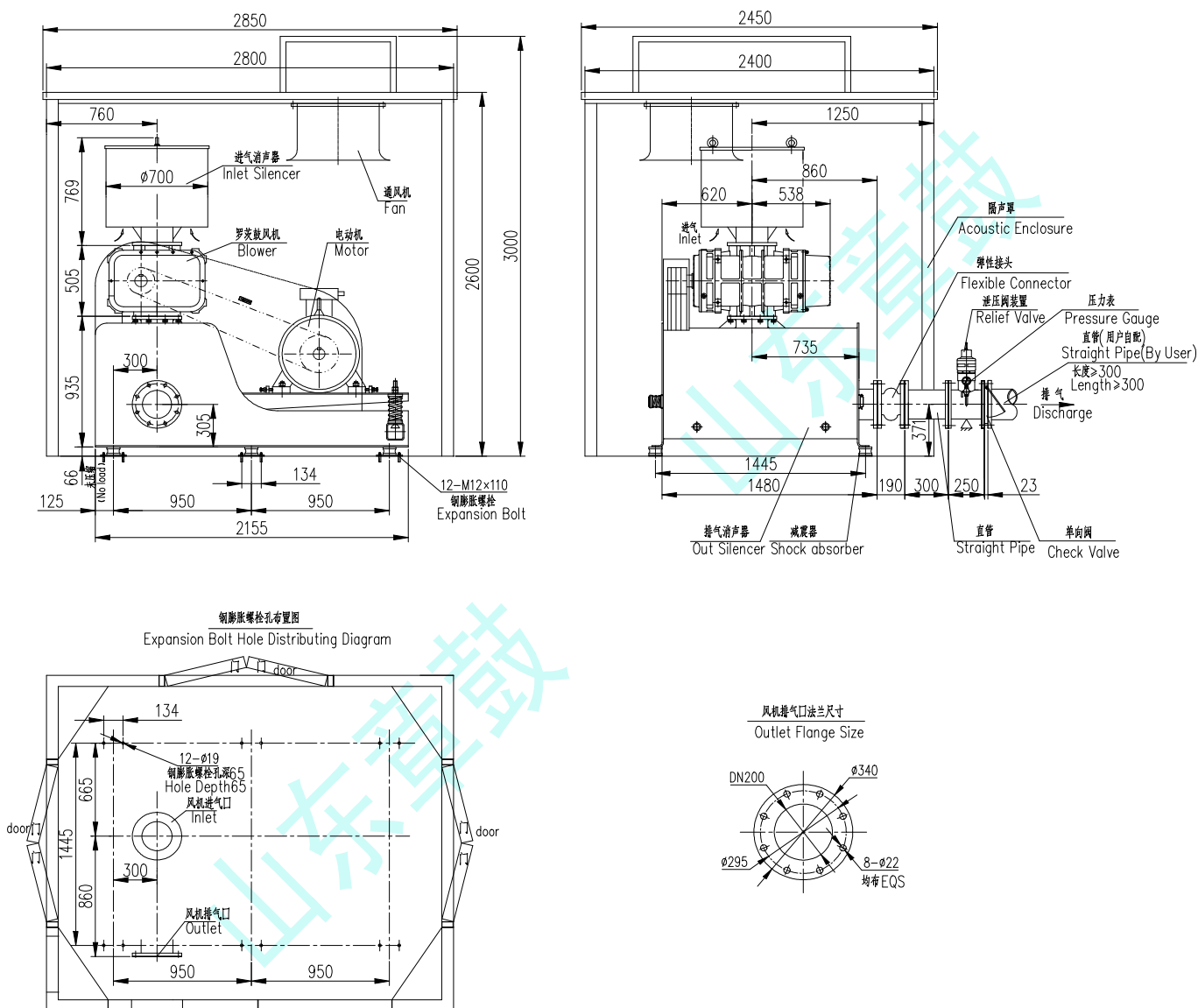
风机进、排气口法兰尺寸
Inlet, Outlet Flange Size



注：△处用户自行设立支撑
Note: △ Customer provided support.

ZGB-200 罗茨鼓风机组（带隔声罩）外形安装尺寸图

ZGB-200 Roots Type Blower Packages Outline Drawing (With Acoustic Enclosure)



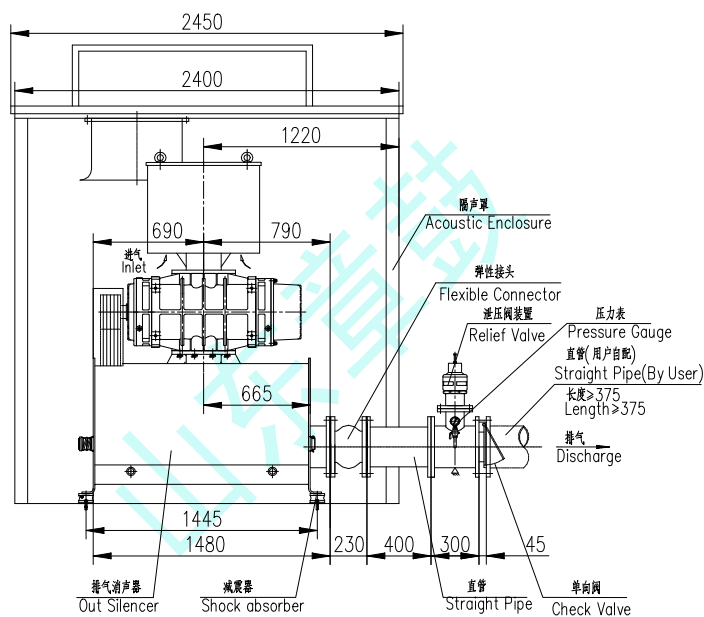
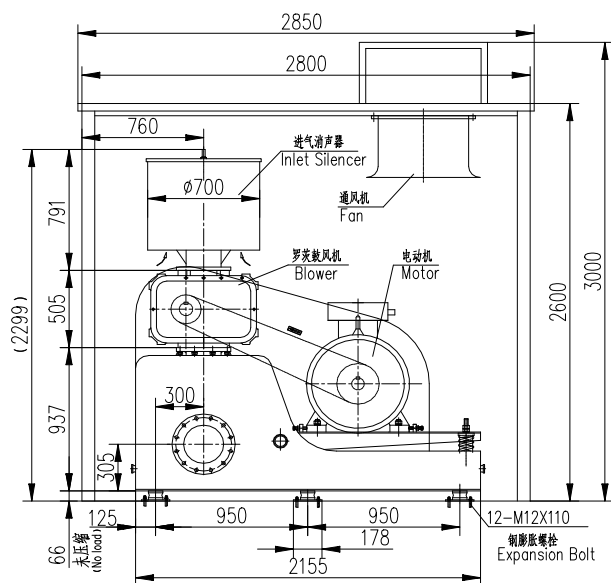
- 注：1、△ 处请用户自设支撑。
 2、请在订货时注明：安装位置是室内还是室外。
 3、隔声罩上无电缆线穿线口，请用户自行预埋电缆线进口。
 4、隔声罩外直管用户自行包裹隔音材料。

Note: 1. △ Customer provided support.

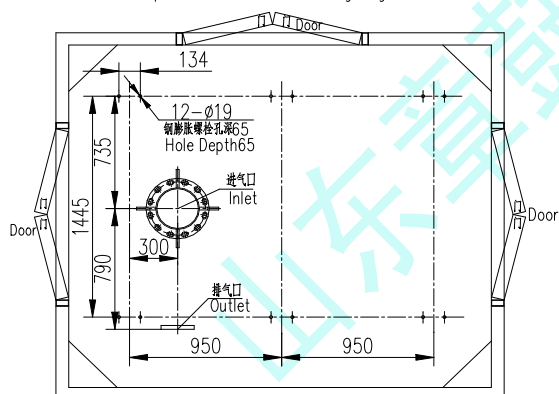
2. Please take a note on the Acoustic Enclosure will be operated indoor or outdoor before you make an order.
 3. Acoustic Enclosure without cable threading port, please pre buried cable inlet by user.
 4. The straight pipe out the Acoustic Enclosure should be sound proof pipe.

ZGB-250 罗茨鼓风机组（带隔声罩）外形安装尺寸图

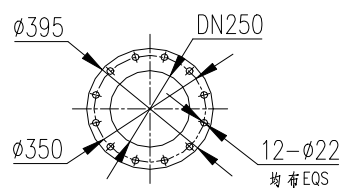
ZGB-250 Roots Type Blower Packages Outline Drawing (With Acoustic Enclosure)



膨胀螺栓孔布置图
Expansion Bolt Hole Distributing Diagram



风机排气口法兰尺寸
Outlet Flange Size



- 注: 1. △ 处请用户自设支撑。
 2. 请在订货时注明: 安装位置是室内还是室外。
 3. 隔声罩上无电缆线穿线口, 请用户自行预埋电缆线进口。
 4. 隔声罩外直管用户自行包裹隔音材料。

Note: 1. △ Customer provided support.

2. Please take a note on the Acoustic Enclosure will be operated indoor or outdoor before you make an order.

3. Acoustic Enclosure without cable threading port, please pre buried cable inlet by user.

4. The straight pipe out the Acoustic Enclosure should be sound proof pipe.

先进的加工设备 Advanced processing equipment



企业资质 Diplomas of our company



应用领域 Application fields

石油化工
petrochemical

污水处理
sewage treatment

冶金
smelt

煤矿
coal

制氧
oxygen making

水泥
cement

电力
electric power

气力输送
pneumatic conveying





山东省章丘鼓风机股份有限公司

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