



山东章鼓 股票代码: 002598



ZQG系列 永磁直驱节能风机 (真空泵)

PERMANENT MAGNETIC DIRECT DRIVE POWER SAVING ROOTS BLOWER (VACUUM PUMP)

高效节能 · 低噪易控 · 智慧低碳 · 维护简便

山东省章丘鼓风机股份有限公司

山东章鼓



Permanent Magnetic Direct Drive Power Saving Roots Blower (Vacuum Pump)

一流的产品品质

永不停止创新

为社会和用户创造价值



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SHANDONG ZHANGQIU BLOWER CO.,LTD



企业简介 Company Profile

股票代码 : 002598

山东省章丘鼓风机股份有限公司始建于1968年，由山东省章丘鼓风机厂有限公司（原名山东省章丘鼓风机厂）变更而来，具有五十余年的风机设计、生产、制造技术和经验，先后建立了两个中日合资企业，并在美国设立了分公司，成为当时国内风机行业第一家在国外建立分公司的企业。主导产品罗茨鼓风机国内市场占有率一直雄居全国同行业之首。公司制定了“拉长主业，上新创新，合资合作，发展大章鼓”的总体发展战略，提出了“做，就做到最好”的工作理念。

经过不断发展，目前已成为集罗茨鼓风机、离心鼓风机、通风机、工业泵、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。2005年章鼓公司实现整体搬迁，入住自己建设的高标准现代化工业园。工业园区面积43万平方米，建筑气势恢弘，设施完善，为企业跨越式发展和与世界各国企业的合资合作提供了广阔的发展空间。公司于2011年7月7日成功在深交所挂牌上市，股票代码：002598，成为公司发展史上又一新的里程碑。



Shandong Zhangqiu Blower Co.,Ltd (Formerly name: Shandong Zhangqiu Blower Works) is a company with over 50 years' blower design, manufacture technology and experience. We set up two Sino-Japanese Joint-ventures and one USA branch that of 1st company in China blower industry establishing oversea branch. We are the leading enterprise in Zhangqiu local industry and main product-Roots Blower's market occupancy is top-ranked in China blower industry. Overall developing strategy: "Develop main business, pioneer new fields and innovate, cooperate to be a great company". Working concept: "Do the best".

Now we are a modern company integrated the design, manufacturing and sales on products of: Roots Blower, Centrifugal Blower, Fan, Industrial Pump, Pneumatic Conveying System, Electrical Equipment, MVR Evaporation, Concentration and Crystallization system, Waste Water Treatment Product and Service and etc. In 2005, we moved to newly built high-standard modern industrial park. This new industrial park covers an area of 430,000 m² with complete facility and magnificent office building providing wide developing space for cooperation with oversea company and great-leap-forward development of us. In July, 7th, 2011, the company was published listed on Shenzhen Stock Exchange center. Stock code: 002598. This is a great development milestone of us.



企业荣誉

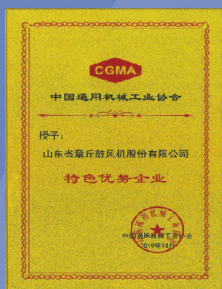
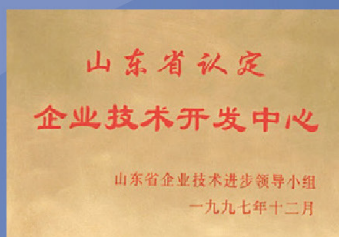
HONOR

名彰九州 誉满四海

章鼓人以饱满的激情，辛勤的努力，创造出累累硕果，得到了社会各级、各界的认可，成为章鼓继续前行的动力和跨越发展的标杆。

Renowned in China and all over the world

Zhanggu people is creating fruitful achievements by hard working with full passion that be recognized by all walks of life at all levels of society. This is the power of moving Zhanggu people to go forward and cross the benchmark of development.

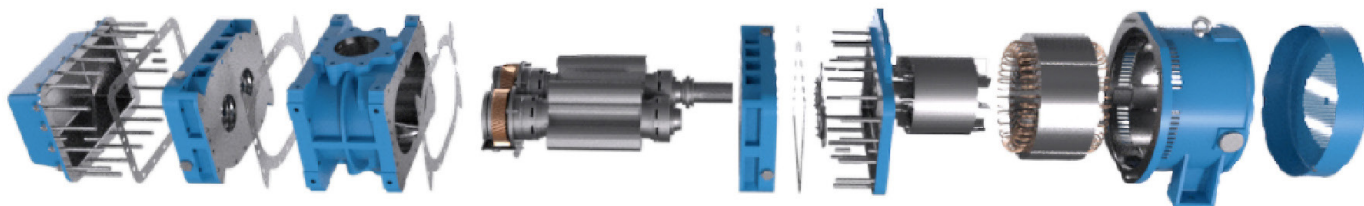


建设百年章鼓，践行工匠精神，助力民族崛起，共圆中国梦。

Building a century-old Zhanggu, Practicing the Craftsman Spirit; Committed in the rise of the nation, Achieving the China Dream together.

产品特点

PRODUCT FEATURES

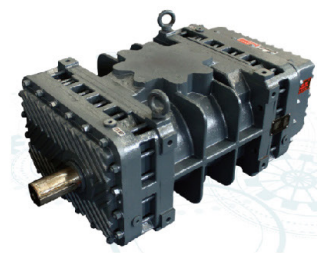


主机

采用 ZQG 系列三叶罗茨鼓风机。ZQG 系列罗茨鼓风机是山东章鼓在引进美国 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。

Bare Shaft Blower

Adopt ZG series tri-lobed Roots blower. ZG series Roots blower is introduced from USA by Shandong Zhangqiu Blower Co., Ltd, based on MB series Roots blower and the application of the company's proprietary technology to design and develop replacement products, its structure and performance has been greatly improved, is the world's leading technology products, is the best cost-effective products.



叶轮

采用先进结构，三叶叶型，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。

Rotor

Advanced structure, tri-lobed type, high area utilization coefficient, impeller and shaft integrated structure, good rigidity, to ensure blower's stable running at high speed to get high pressure & large flow.

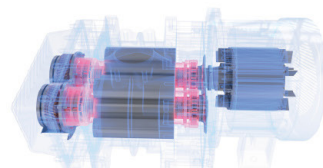


传动形式

章鼓永磁直驱节能罗茨风机采用自主研发的“风机 - 电机一体化”技术，电机转子与风机共轴、直驱，取消了传动皮带（或联轴器），传动效率可达 100%。

Drive Mode

Zhanggu Permanent Magnetic Direct Drive Power Saving Roots Blower adopts self-developed "blower-motor integration" technology, motor rotor and blower coaxial, direct drive, cancel the transmission belt (or coupling), transmission efficiency can reach 100%.



SHANDONG ZHANGQIU BLOWER CO.,LTD

变频控制

由于采用了永磁同步变频电机及其控制技术，可使风机在排气压力恒定条件下实现风量 30% ~ 100% 范围自动调节。风机实际运行功率随用气量减小等比例下降，对于客户现场经常出现的非满载运行工况，节能效果尤为显著。

高效电机

采用三相永磁同步电动机，其拥有效率高，启动无冲击，低噪音，启动力矩大，高功率因数等优点，并且采用无轴承结构，整个“风机-电机”转子为滚动轴承两点支撑方案，省去了电机轴承，进一步减小了机械损失。

噪音隔绝

机柜采用先进的降噪和散热技术，在保证机柜内部温度维持常温的前提下，整机运行噪声低于 85 分贝，中小机型可低于 80 分贝。

操作便捷

整机由章鼓多功能智能控制系统进行控制，实现一键启停，无需复杂操作。采用大尺寸触摸屏，交互性好，风机运行参数、状态可直观展示。

智能监控

根据用户需求，可选配我司智能监测设备，全生命周期内对风机轴承、转子等关键部件的健康状态进行监测、在线诊断、故障预警，将用户面临的潜在风险和损失降至最低。

Variable Frequency Control

Due to the adoption of permanent magnet synchronous variable frequency motor and its control technology, the blower can automatically adjust the air volume from 30% to 100% under the condition of constant discharge pressure. The actual operating power of the blower decreases proportionally with the reduction of air consumption, and the energy-saving effect is particularly significant for the non-full load operating conditions frequently occurring at the customer site.



High Efficiency Motor

Using three-phase permanent magnet synchronous motor, it has the advantages of high efficiency, starting no impact, low noise, large starting torque, high power factor, etc., and adopts bearing-less structure, the whole "blower-motor" rotor is a two-point support scheme for rolling bearings, eliminating the motor bearing and further reducing the mechanical loss.



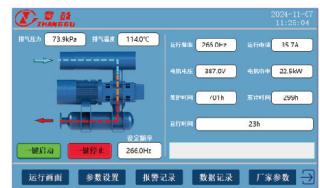
Noise Isolation

The cabinet adopts advanced noise reduction and heat dissipation technology. Under the premise of maintaining the internal temperature of the cabinet at normal temperature, the operating noise of the whole machine is lower than 85 dB, and the small and medium-sized models can be lower than 80 dB.



Convenient Operation

The whole machine is controlled by Zhanggu multifunctional intelligent control system, which realizes one-button start and stop without complicated operation. Large size touch screen, good interaction, blower operating parameters, status can be displayed intuitively.



Intellectual Supervision

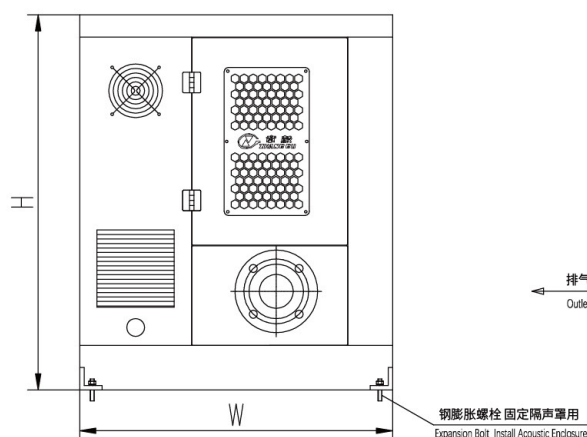
According to user requirements, our intelligent monitoring equipment can be selected to monitor the health status of key components such as blower bearings and rotors in the whole life cycle, online diagnosis, fault warning, and minimize the potential risks and losses faced by users.



外形尺寸

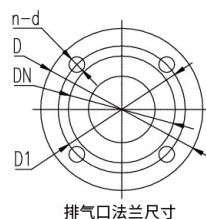
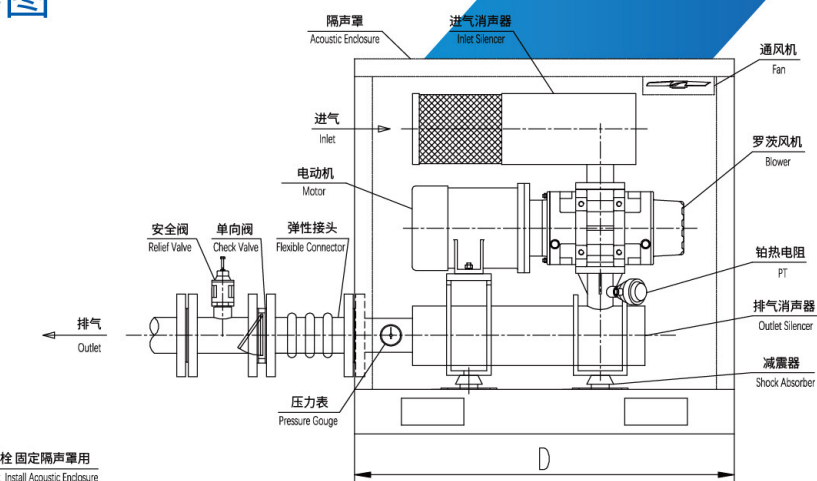
OUTLINE DIMENSION

永磁直驱节能风机外形图



- 注:
1. △ 处表示用户自设支撑。
 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. 用户必须对隔声罩外的管道进行消除噪声处理。
 5. 基础表面水平找正, 保证其允许差值在2mm/1m以内。

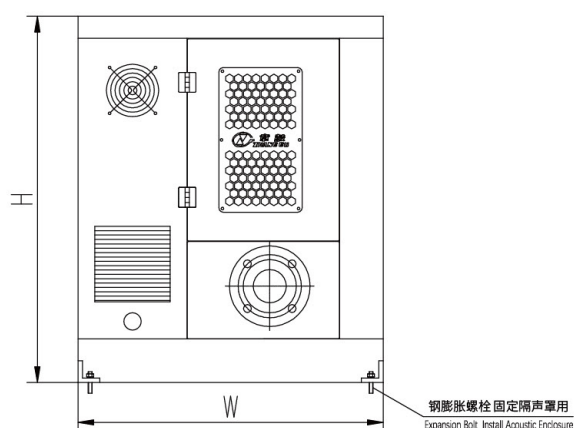
- Note:
1. △ Customer provided support.
 2. Please take a note on the Acoustic Enclosure will be operated indoor or outdoor before you make an order.
 3. Acoustic Enclosure without cable threading port, please pre buried cable inlet by user.
 4. The end user must take measure to remove noise to the pipe outside the Acoustic Enclosure.
 5. The foundation surface should be as level as possible and insure the difference value within 2mm/1000mm.



排气口法兰尺寸

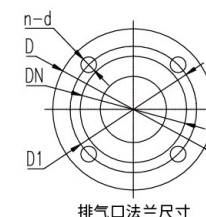
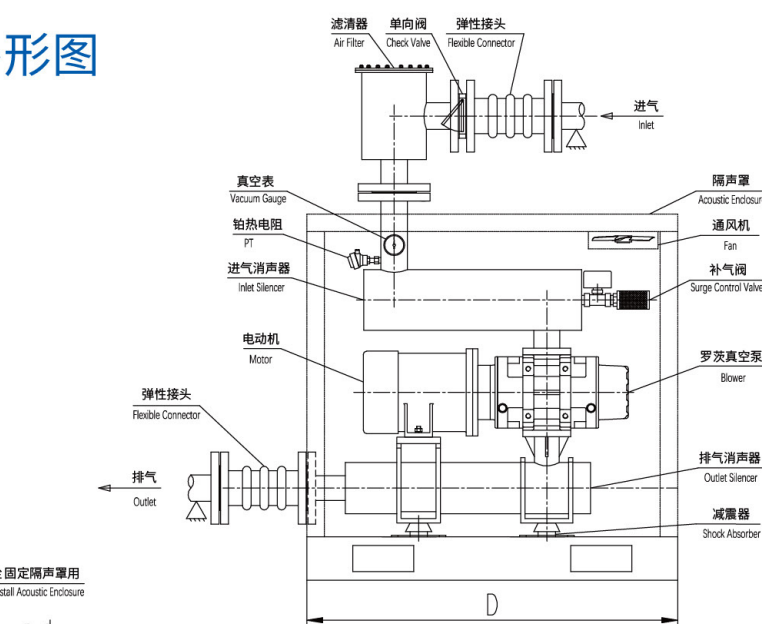
风机型号	ZQG-50	ZQG-65	ZQG-80	ZQG-100	ZQG-125	ZQG-150	ZQG-200	ZG20-250
W	900	100	1100	1100	1200	1300	1600	1800
D	800	850	1200	1300	1500	1650	2000	2200
H	900	1000	1250	1300	1500	1700	2000	2200
DN	65	80	100	125	150	200	250	300
n-d	4-Ø18	8-Ø18	8-Ø18	8-Ø18	8-Ø22	8-Ø22	12-Ø22	12-Ø22
D	185	200	220	250	285	340	395	445
D1	145	160	180	210	240	295	350	400

永磁直驱节能真空泵外形图



- 注:
1. △ 处表示用户自设支撑。
 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. 用户必须对隔声罩外的管道进行消除噪声处理。
 5. 基础表面水平找正, 保证其允许差值在2mm/1m以内。

- 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.
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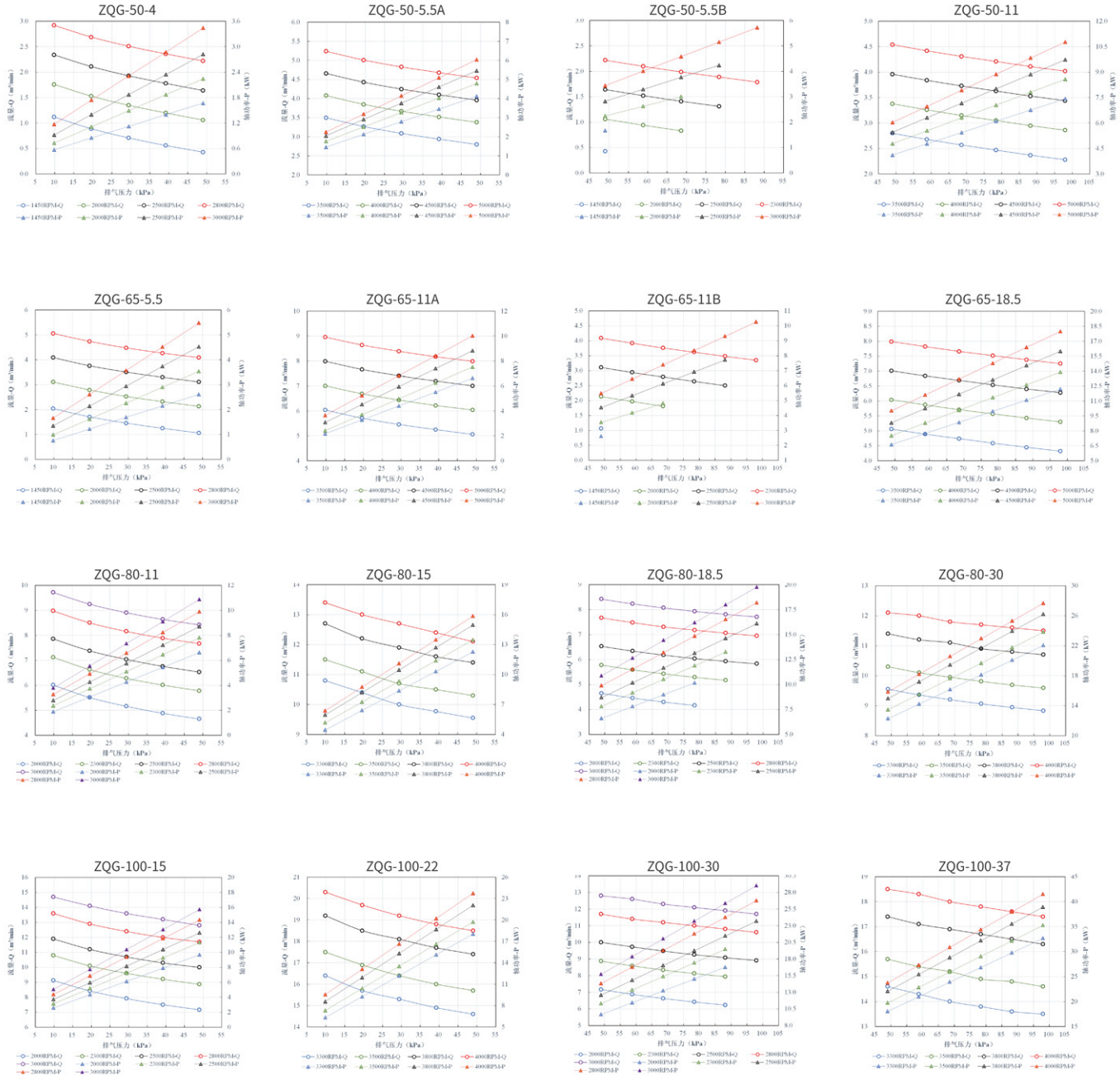
排气口法兰尺寸

风机型号	ZQG-50V	ZQG-65V	ZQG-80V	ZQG-100V	ZQG-125V	ZQG-150V	ZQG-200V	ZQG-250V
W	900	1000	1100	1100	1200	1300	1600	1800
D	800	850	1200	1300	1500	1650	2000	2200
H	1000	1100	1300	1400	1600	1800	2100	2300
DN	50	65	80	100	125	150	200	250
n-d	4-Ø18	4-Ø18	8-Ø18	8-Ø18	8-Ø18	8-Ø22	8-Ø22	12-Ø22
D	165	185	200	220	250	285	340	395
D1	125	145	160	180	210	240	295	350

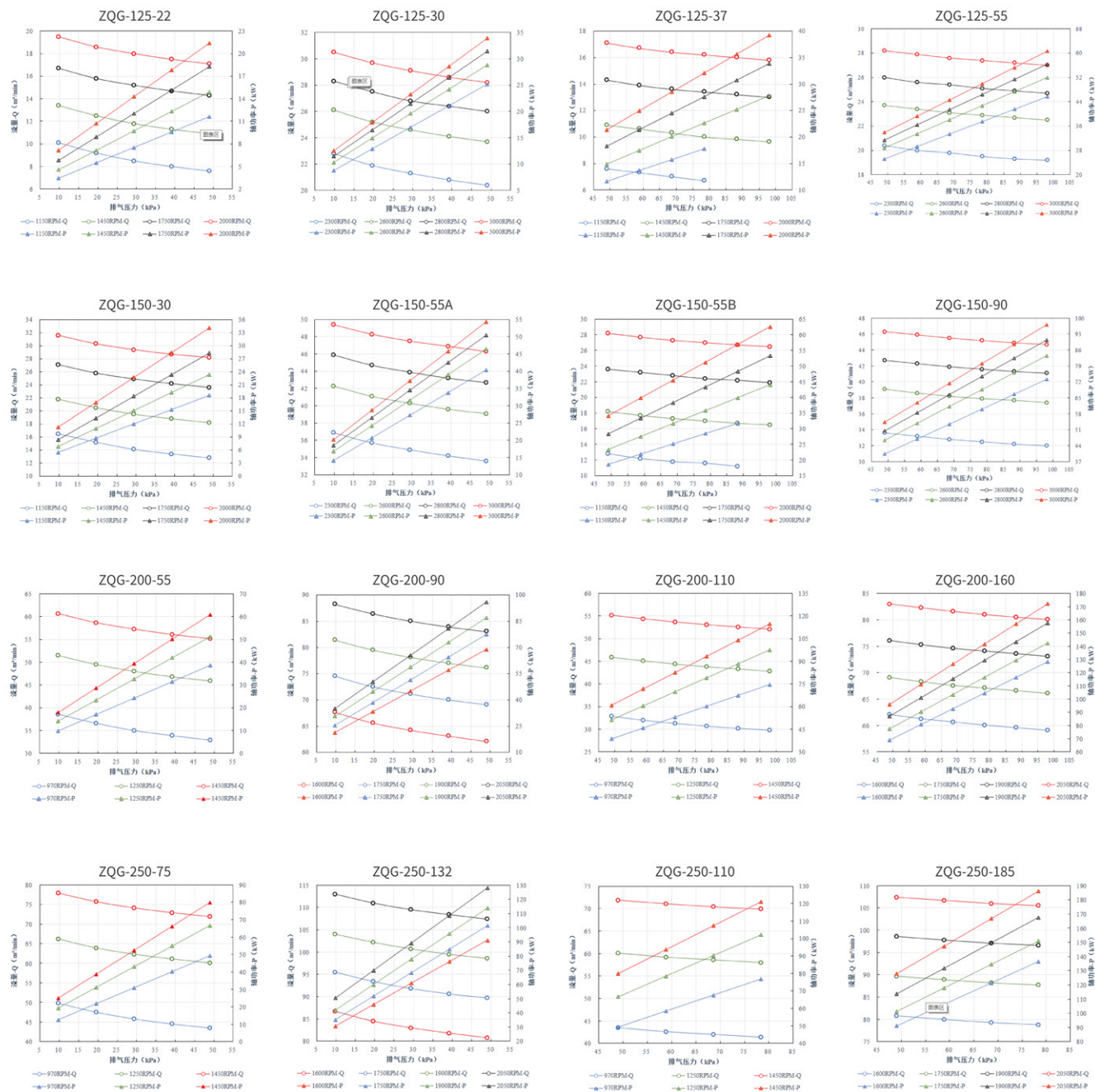
永磁直驱节能风机性能曲线图

PERMANENT MAGNETIC DIRECT DRIVE POWER SAVING ROOTS BLOWER
PERFORMANCE CURVE

ZQG50-100



ZQG125-250

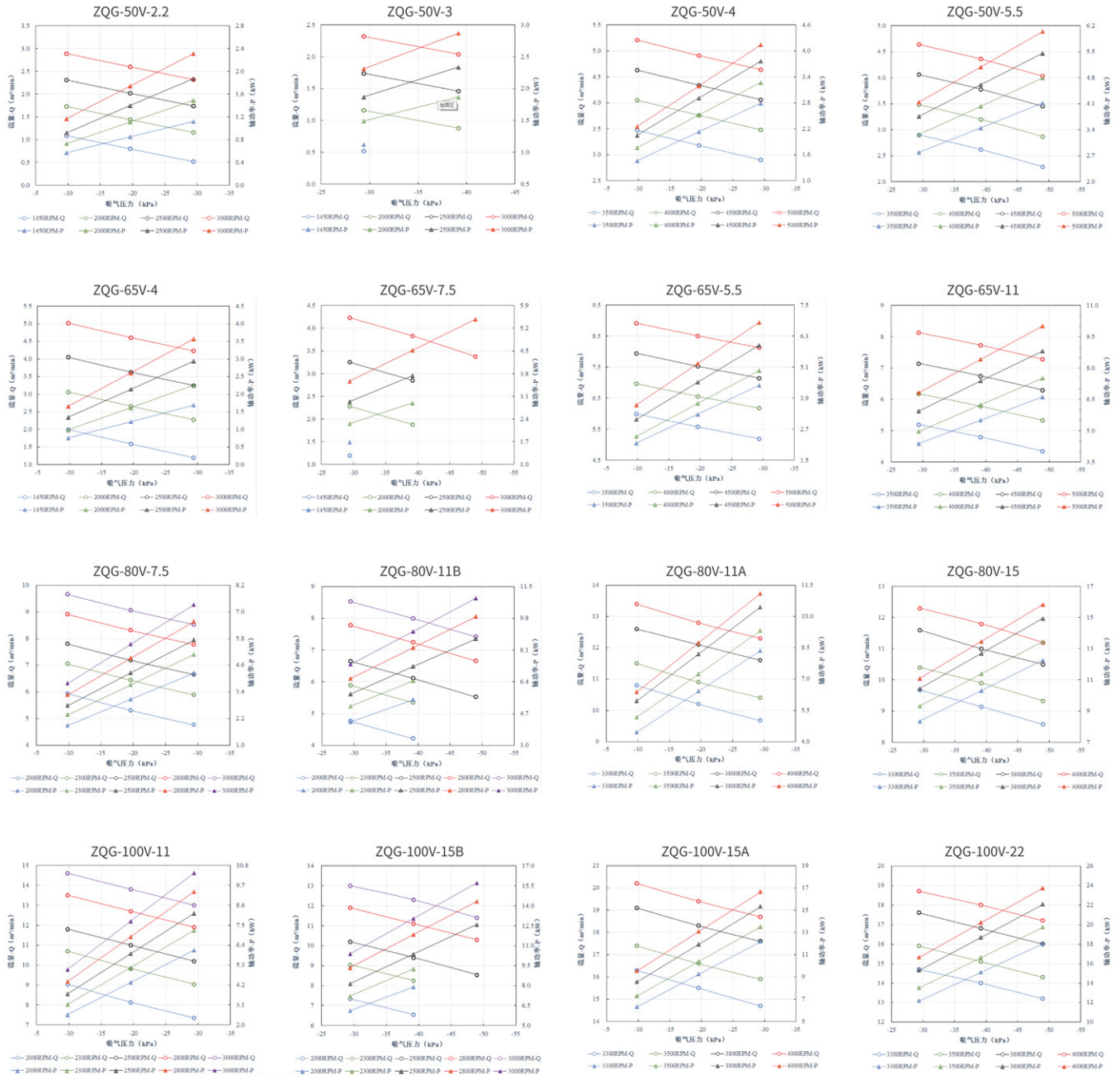


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BLOWER CO.,LTD

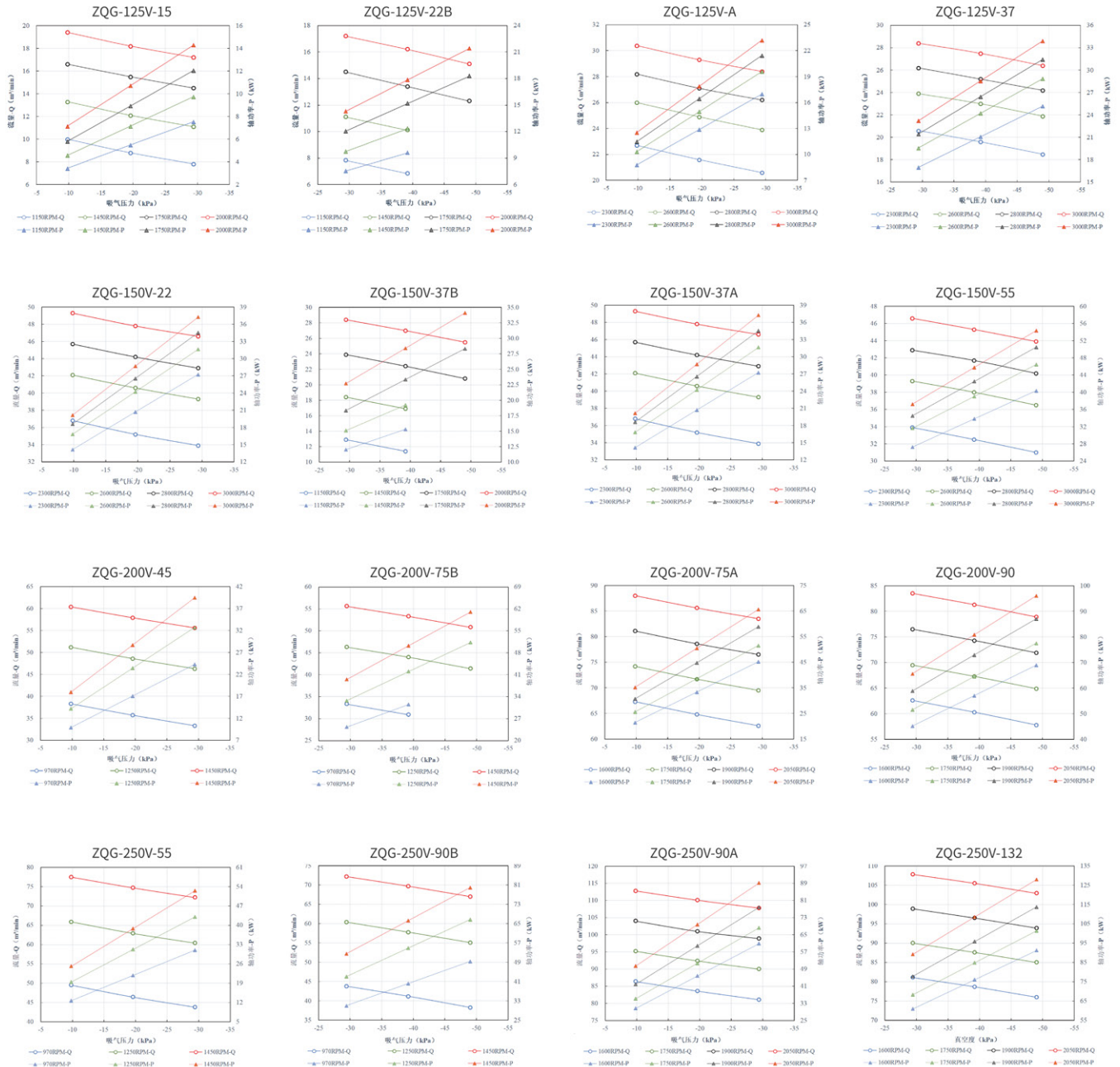
永磁直驱节能真空泵性能曲线图

PERMANENT MAGNETIC DIRECT DRIVE POWER SAVING VACUUM PUMP
PERFORMANCE CURVE

ZQG-V(50-125)



ZQG-V(150-250)



SHANDONG ZHANGQIU
BLOWER CO.,LTD

永磁直驱节能风机数据表

PERMANENT MAGNETIC DIRECT DRIVE POWER SAVING ROOTS BLOWER DATA SHEET

序号	机型	型号	额定流量 (m ³ /min, 括号中为排气压力)		额定升压 (kPa)	额定转速 (RPM)	电机功率 (kW)
1	I	ZQG-50-4	2.92 (9.8kPaG)	2.22 (49kPaG)	49	3000	4
2	II	ZQG-50-5.5A	5.24 (9.8kPaG)	4.54 (49kPaG)	49	5000	5.5
3	III	ZQG-50-5.5B	2.22 (49kPaG)	1.79 (88kPaG)	88	3000	5.5
4	IV	ZQG-50-11	4.54 (49kPaG)	4.02 (98kPaG)	98	5000	11
5	I	ZQG-65-5.5	5.06 (9.8kPaG)	4.09 (49kPaG)	49	3000	5.5
6	II	ZQG-65-11A	8.96 (9.8kPaG)	7.99 (49kPaG)	49	5000	11
7	III	ZQG-65-11B	4.09 (49kPaG)	3.35 (98kPaG)	98	3000	11
8	IV	ZQG-65-18.5	7.99 (49kPaG)	7.25 (98kPaG)	98	5000	18.5
9	I	ZQG-80-11	9.72 (9.8kPaG)	8.42 (49kPaG)	49	3000	11
10	II	ZQG-80-15	13.4 (9.8kPaG)	12.1 (49kPaG)	49	4000	15
11	III	ZQG-80-18.5	8.42 (49kPaG)	7.71 (98kPaG)	98	3000	18.5
12	IV	ZQG-80-30	12.1 (49kPaG)	11.5 (98kPaG)	98	4000	30
13	I	ZQG-100-15	14.7 (9.8kPaG)	12.8 (49kPaG)	49	3000	15
14	II	ZQG-100-22	20.3 (9.8kPaG)	18.5 (49kPaG)	49	4000	22
15	III	ZQG-100-30	12.8 (49kPaG)	11.7 (98kPaG)	98	3000	30
16	IV	ZQG-100-37	18.5 (49kPaG)	17.4 (98kPaG)	98	4000	37
17	I	ZQG-125-22	19.5 (9.8kPaG)	17.1 (49kPaG)	49	2000	22
18	II	ZQG-125-30	30.5 (9.8kPaG)	28.2 (49kPaG)	49	3000	30
19	III	ZQG-125-37	17.1 (49kPaG)	15.8 (98kPaG)	98	2000	37
20	IV	ZQG-125-55	28.2 (49kPaG)	27.0 (98kPaG)	98	3000	55
21	I	ZQG-150-30	31.6 (9.8kPaG)	28.2 (49kPaG)	49	2000	30
22	II	ZQG-150-55A	49.4 (9.8kPaG)	46.3 (49kPaG)	49	3000	55
23	III	ZQG-150-55B	28.2 (49kPaG)	26.5 (98kPaG)	98	2000	55
24	IV	ZQG-150-90	46.3 (49kPaG)	44.7 (98kPaG)	98	3000	90
25	I	ZQG-200-55	60.7 (9.8kPaG)	55.2 (49kPaG)	49	1450	55
26	II	ZQG-200-90	88.2 (9.8kPaG)	83.0 (49kPaG)	49	2050	90
27	III	ZQG-200-110	55.2 (49kPaG)	52.1 (98kPaG)	98	1450	110
28	IV	ZQG-200-160	83.0 (49kPaG)	80.1 (98kPaG)	98	2050	160
29	I	ZQG-250-75	78 (9.8kPaG)	72 (49kPaG)	49	1450	75
30	II	ZQG-250-132	113 (9.8kPaG)	107 (49kPaG)	49	2050	132
31	III	ZQG-250-110	72 (49kPaG)	70 (78kPaG)	78	1450	110
32	IV	ZQG-250-185	107 (49kPaG)	106 (78kPaG)	78	2050	185

注：电机功率及转速为该档最大值，当实际所需流量、升压参数小于额定值时，电机功率及转速可相应减小。

永磁直驱节能真空泵数据表

PERMANENT MAGNETIC DIRECT DRIVE POWER SAVING VACUUM PUMP DATA SHEET

序号	机型	型号	额定流量 (m ³ /min, 括号中为吸气压力)		额定真空度 (kPa)	额定转速 (RPM)	电机功率 (kW)
1	I	ZQG-50V-2.2	2.89 (-9.8kPaG)	2.32 (-29.4kPaG)	-29.4	3000	2.2
2	II	ZQG-50V-4	5.21 (-9.8kPaG)	4.64 (-29.4kPaG)	-29.4	5000	4
3	III	ZQG-50V-3	2.32 (-29.4kPaG)	2.04 (-39.2kPaG)	-39.2	3000	3
4	IV	ZQG-50V-5.5	4.64 (-29.4kPaG)	4.03 (-49kPaG)	-49	5000	5.5
5	I	ZQG-65V-4	5.02 (-9.8kPaG)	4.23 (-29.4kPaG)	-29.4	3000	4
6	II	ZQG-65V-7.5	8.92 (-9.8kPaG)	8.13 (-29.4kPaG)	-29.4	5000	7.5
7	III	ZQG-65V-5.5	4.23 (-29.4kPaG)	3.38 (-49kPaG)	-49	3000	5.5
8	IV	ZQG-65V-11	8.13 (-29.4kPaG)	7.28 (-49kPaG)	-49	5000	11
9	I	ZQG-80V-7.5	9.66 (-9.8kPaG)	8.53 (-29.4kPaG)	-29.4	3000	7.5
10	II	ZQG-80V-11A	13.4 (-9.8kPaG)	12.3 (-29.4kPaG)	-29.4	4000	11
11	III	ZQG-80V-11B	8.53 (-29.4kPaG)	7.42 (-49kPaG)	-49	3000	11
12	IV	ZQG-80V-15	12.3 (-29.4kPaG)	11.2 (-49kPaG)	-49	4000	15
13	I	ZQG-100V-11	14.6 (-9.8kPaG)	13.0 (-29.4kPaG)	-29.4	3000	11
14	II	ZQG-100V-15A	20.2 (-9.8kPaG)	18.7 (-29.4kPaG)	-29.4	4000	15
15	III	ZQG-100V-15B	13.0 (-29.4kPaG)	11.4 (-49kPaG)	-49	3000	15
16	IV	ZQG-100V-22	18.7 (-29.4kPaG)	17.2 (-49kPaG)	-49	4000	22
17	I	ZQG-125V-15	19.4 (-9.8kPaG)	17.2 (-29.4kPaG)	-29.4	2000	15
18	II	ZQG-125V-22A	30.4 (-9.8kPaG)	28.4 (-29.4kPaG)	-29.4	3000	22
19	III	ZQG-125V-22B	17.2 (-29.4kPaG)	15.1 (-49kPaG)	-49	2000	22
20	IV	ZQG-125V-37	28.4 (-29.4kPaG)	26.4 (-49kPaG)	-49	3000	37
21	I	ZQG-150V-22	31.4 (-9.8kPaG)	28.4 (-29.4kPaG)	-29.4	2000	22
22	II	ZQG-150V-37A	49.3 (-9.8kPaG)	46.6 (-29.4kPaG)	-29.4	3000	37
23	III	ZQG-150V-37B	28.4 (-29.4kPaG)	25.5 (-49kPaG)	-49	2000	37
24	IV	ZQG-150V-55	46.6 (-29.4kPaG)	43.9 (-49kPaG)	-49	3000	55
25	I	ZQG-200V-45	60.4 (-9.8kPaG)	55.6 (-29.4kPaG)	-29.4	1450	45
26	II	ZQG-200V-75A	88.0 (-9.8kPaG)	83.5 (-29.4kPaG)	-29.4	2050	75
27	III	ZQG-200V-55	55.6 (-29.4kPaG)	50.8 (-49kPaG)	-49	1450	55
28	IV	ZQG-200V-90	83.5 (-29.4kPaG)	78.9 (-49kPaG)	-49	2050	90
29	I	ZQG-250V-55	86.4 (-9.8kPaG)	81.1 (-29.4kPaG)	-29.4	1450	55
30	II	ZQG-250V-90A	112.8 (-9.8kPaG)	107.8 (-29.4kPaG)	-29.4	2050	90
31	III	ZQG-250V-90B	81.1 (-29.4kPaG)	76.0 (-49kPaG)	-49	1450	90
32	IV	ZQG-250V-132	107.8 (-29.4kPaG)	102.9 (-49kPaG)	-49	2050	132

注：电机功率及转速为该档最大值，当实际所需流量、升压参数小于额定值时，电机功率及转速可相应减小。

国内市场

CHINESE MARKET

与您携手是缘份 让您无忧是责任

章鼓人用遍布世界的销售网络缔造着与您携手的缘份；
依托在您身边的服务人员践行着让您无后顾之忧的责任。

公司在国内主要省市设36个销售及
服务网点，在美国及多个国家设有
独资分公司及办事处，产品远销
70多个国家和地区。



国际市场

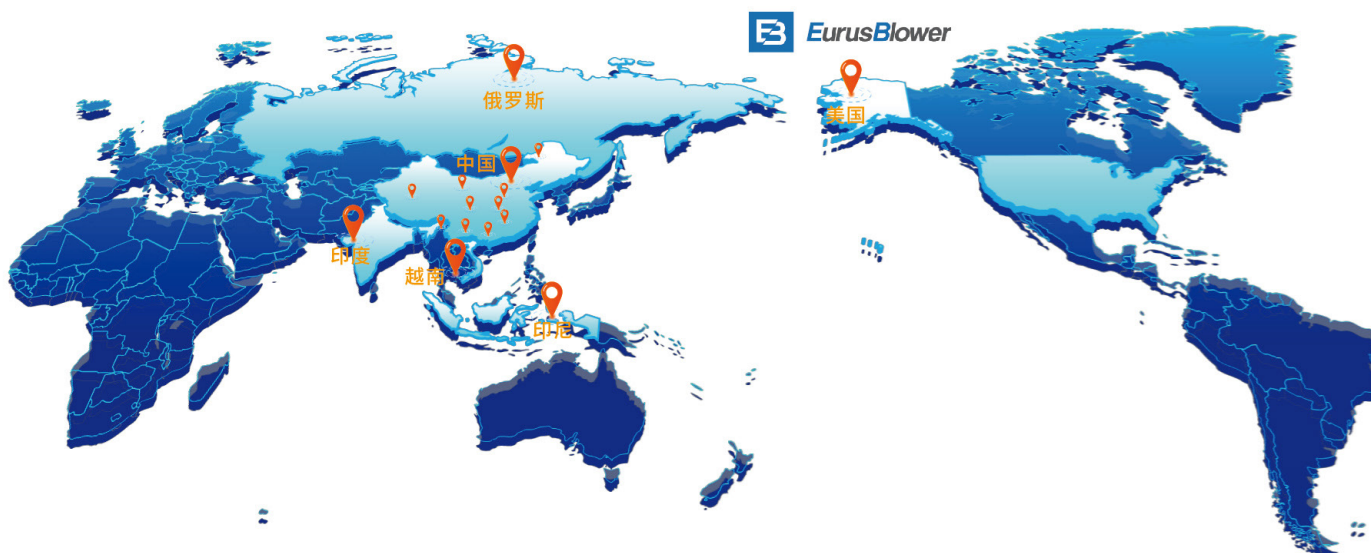
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It is the predestined relationship to hand in hand with you;
It is our responsibility to provide worry-free service

Zhanggu people builds a worldwide sales net-work to explore the predestined relationship on cooperating with you; Relying on the service staff nearby to undertake our responsibility of providing worry-free service.

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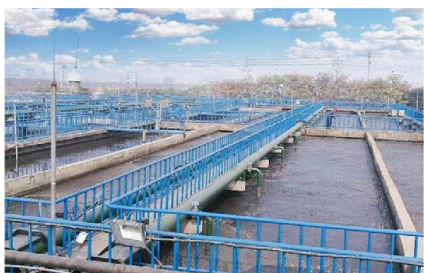
Since 2008,Eurus Blower has supplied competitively-priced,high quality blowers for new or replacement blower applications to industrial and wastewater treatment markets.

应用领域

APPLICATION

永磁直驱节能风机广泛应用于水处理、石灰窑、工业窑炉、气力输送、变压吸附制氧、脱硫脱硝、粮油加工输送、建材行业以及其他诸多领域。

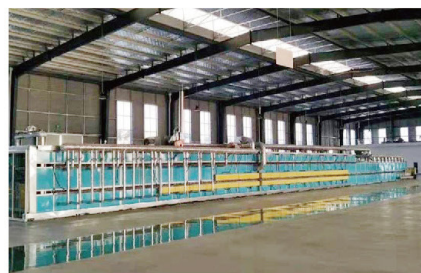
Can be widely used in Waste water treatment, Lime kiln, Industrial Furnace, Pneumatic Conveying System, VPSA Oxygen Generation, Desulfurization and Denitrification, Grain and oil processing and transportation, Building Material Industry and etc other diverse fields.



水处理



石灰窑



工业窑炉



气力输送



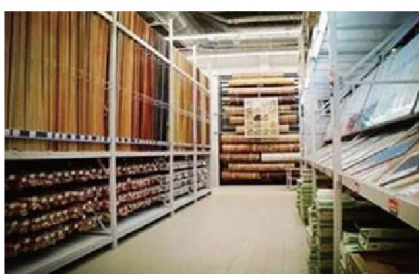
变压吸附制氧



脱硫脱硝



粮油加工输送



建材行业



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