



股票代码:002598

CD/CG 系列离心鼓风机

CD/CG SERIES CENTRIFUGAL BLOWER



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



企业简介

Company Introduction

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，具有五十余年的风机设计、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。公司先后成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、罗茨真空泵、离心鼓风机，离心真空泵、工业泵、磨机、气力输送设备、电气控制设备、MVR 装置、及系统工程等机械产品研发、设计、生产、制造于一体的现代化企业。2011 年公司在深交所成功上市。

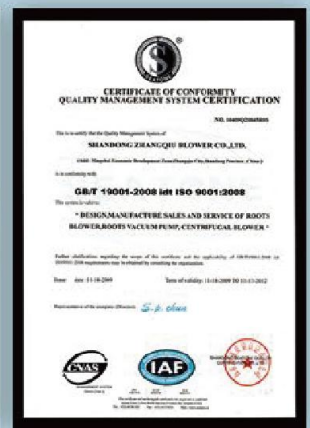
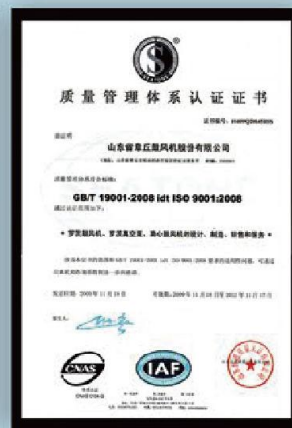
山东章鼓拥有享受国务院特殊津贴的专家，享受省、市政府津贴的高级专业人才十余名，拥有国内一流的产品研发设计中心。工程技术应用研究员，有“泰山学者”、济南“5150”工程引进的日本专家博士，有享受省、市政府津贴的高级专业人才，先后与清华大学、西安交通大学、江苏大学、山东大学、山东科技大学等高等院校建立了产学研基地并保持着密切的合作关系。公司自主研发了多项具有国际领先和先进水平的新产品，拥有一流的产品研发设计中心，建有省级企业技术中心，具有雄厚的设计、科研、开发、试验、检测能力，处于国内机械行业领先地位。

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“用户满意行业”、“山东省利税五十强企业”等多项荣誉，是国家高新技术产业。

Shandong Zhangqiu Blower Co., Ltd (abbreviated as "ZhangGu", Stock Code: 002598) is one of the most important and trustworthy manufacturers and sellers in China with around 50 years of experience in R & D AND production. It has invested to set up two Chinese-Japanese joint ventures, and one also the first American branch in domestic blower industry. Now ZhangGu has becomes one large scale modernized company designing and producing Roots type blowers/pumps, turbo blowers, industry pumps, mills, pneumatic conveying systems, electric control equipment and MVR systems. ZhangGu was successfully listed in ShenZhen Stock Exchange in July of 2011.

ZhangGu has experts including the gainers of special allowance from the state council, province, and City level, the researchers with tile of "TAISHAN ACADEMICIAN", the foreign talent with Japanese Doctor's degree. ZhangGu also keeps close cooperation with domestic famous universities such as Tsinghua University, Xi'an Jiaotong University, Zhejiang University, Jiangsu University, Shandong University, and Shandong University of Science and Technology. ZhangGu has a provincial level R&D center with leading ability of research, design, test and inspection in domestic machinery industry.

ZhangGu now is ranked the top 500 enterprises in Chinese machinery industry, the top 10 innovation enterprises in the common equipment manufacturing industry. The top 50 taxpayer in Shandong Province, ZhangGu is awarded "The Client Satisfaction Enterprises in Blower Industry", and "The State High-tech. Enterprises".



做大国工匠 建百年章鼓
筑民族品牌 圆中国梦



精密加工及完备的产品制造流程

Precision processing and complete product manufacturing process

山东省章丘鼓风机股份有限公司建有实验室、研发大楼、加工车间等，拥有国际先进、国内领先的高精度加工设备。
Shandong Zhangqiu Blower Co.,Ltd. has built laboratories,R&D buildings,processing work-shops,Etc.,with internationally advanced and China leading high-precision processing equipment.





产品简介

Product Introduction

CD/CG 系列离心鼓风机是我公司集多年设计和制造经验，为满足用户需求而精心设计开发的新一代离心鼓风机产品。该系列产品是在多年设计制造多级离心鼓风机的基础上，综合考虑输送不同介质的要求并引用多项专利技术而研制开发的高效节能型产品，是集国内外先进技术于一体的最新产品。

The CD/CG Series Centrifugal Blower is a new generation of centrifugal blower products that our company has carefully designed and developed to meet user needs, based on years of design and manufacturing experience. This series of products is developed based on years of design and manufacturing of multi-stage centrifugal blowers, taking into account the requirements for conveying different media and incorporating multiple patent technologies to develop highly efficient and energy-saving products. It is the latest product that integrates advanced technologies from both domestic and foreign countries.

产品特点

Product Features

- 1、风机上下机壳通过参数优化，充分与叶轮相匹配，流线型设计流动损失更小；
- 2、机翼型导流叶片设计技术，损失小，静压能转化更高；
- 3、部分风机采用三元流叶轮技术，使得风机效率更高，性能更好；
- 4、转子经严格动平衡后，振动小，可靠性高，整体噪音低；
- 5、风机结构先进合理，易损件少，安装、操作、维护方便。

1. The upper and lower casings of the fan are fully matched with the impeller through parameter optimization, and the streamlined design reduces flow losses;
2. Wing shaped guide vane design technology, with low losses and higher static pressure energy conversion;
3. Some fans adopt ternary flow impeller technology, which makes the fan more efficient and performs better;
4. After strict dynamic balancing, the rotor has low vibration, high reliability, and overall low noise;
5. The fan structure is advanced and reasonable, with few vulnerable parts, and easy installation, operation, and maintenance



产品结构

Structural of Product

CD/CG 系列离心鼓风机有上下机壳、转子部、轴承部以及油润滑系统组成。该系列产品广泛用于高炉供风系统、矿山浮选、SO₂ 气体输送（烟气制酸）、焦炉煤气加压、发生炉煤气加压、化工造气等工艺。

The CD/CG series centrifugal blower consists of upper and lower casings, rotor parts, bearing parts, and an oil lubrication system. This series of products is widely used in blast furnace air supply systems, mining flotation, SO₂ gas transportation (acid production from flue gas), coke oven gas pressurization, generator gas pressurization, chemical gas production and other processes.



机壳

Casing

风机机壳采用水平中分结构形式，定子机壳被分成大致对称的两部分，通过螺栓等连接件紧密固定在一起。各部均采用优质铸铁树脂砂铸造而成，经严格去应力退火处理，以减小变形，并在专有设备上加工完成，精度高，同轴度好，确保了转子部运转平稳。

The fan casing adopts a horizontal split structure, and the stator casing is divided into two roughly symmetrical parts, which are tightly fixed together by bolts and other connecting components. Each part is made of high-quality cast iron resin sand casting, and undergoes strict stress relief annealing treatment to reduce deformation. It is processed on proprietary equipment with high precision and good coaxiality, ensuring smooth operation of the rotor part.



转子部

Rotor

转子部是由主轴、叶轮、轴套、平衡盘以及联轴器等组成，风机主轴和叶轮均采用高强度合金钢。转子部整体做动平衡校正，以确保转子平稳可靠。

The rotor part is composed of a main shaft, impeller, shaft sleeve, balance disk, and coupling. The main shaft and impeller of the fan are both made of high-strength alloy steel. Perform overall dynamic balance correction on the rotor to ensure its stability and reliability.



叶轮

Impeller

叶轮由叶片、轮盖、轮盘及轴盘组成。对于一些输送特殊气体要求的场合，叶轮整体材质会采用不锈钢、钛合金等高性能材料。叶轮整体经严格的精加工后作动静平衡校正和超速试验。

The impeller consists of blades, wheel cover, disc, and shaft. For some occasions that require the transportation of special gases, the overall material of the impeller will be made of high-performance materials such as stainless steel and titanium alloy. After strict precision machining, the impeller undergoes dynamic and static balance correction and overspeed testing.



滑动轴承

Slide bearing

滑动轴承是为转子提供稳定的支撑，确保转子在高速旋转过程中保持稳定的运行状态。

Sliding bearings provide stable support for the rotor, ensuring its stable operation during high-speed rotation.



轴承座

Bearing housing

轴承座采用铸铁材料两端外布置，便于拆装和更换轴瓦，轴承座上设有测温和测振孔，可根据用户要求来另行配置。

Bearing housing material is cast iron, they are disposed on two sides of blower. Installing and replacing bearings are easy. There are thermal hole and vibration hole on the bearing housing.



润滑装置

lubrication system

润滑装置由油箱、油泵装置、油过滤器、列管式油冷却器以及电控箱、仪表、管道、阀门等组成。

The lubrication device consists of an oil tank, an oil pump device, an oil filter, a tubular oil cooler, as well as an electrical control box, instruments, pipelines, valves, etc.



控制系统

Control system

根据用户需求配置操控性极好的就地控制盘 (LCP)，以及多台鼓风机并联操作作用的中央控制盘 (MCP)，通过 MCP 中央监控实现多台鼓风机的就地调节。

Electric company can provide good-operation LCP and MCP, Via MCP, many parallel blower can achieve remote monitored and local control.



附件

Attachment

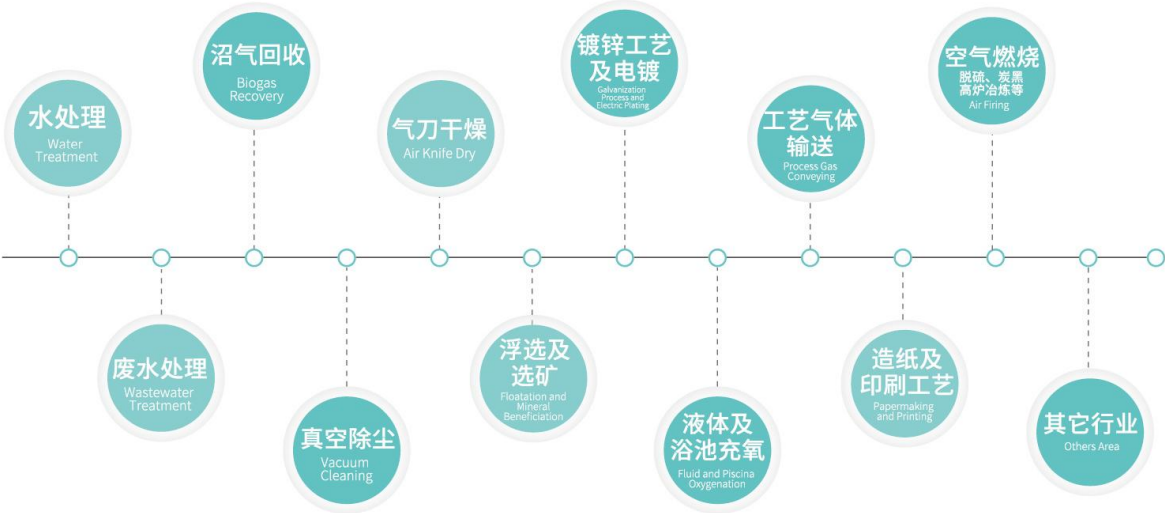
标准附件包括联轴器、防护罩、地脚螺栓（带螺母、垫圈），专用附件（如消声器、过滤器、减震垫）请单独提出订货。

Standard accessories contains coupling, protective cover and anchor bolts (with nuts and washers), Special accessories (silencer, filter and cushion) are prepared according to the contract. Please order separately.

SHANDONG ZHANGQIU BLOWER CO.,LTD.

应用领域

Application Area



CD系列铸造多级低速离心鼓风机性能参数

型 号	输 送 介 质	进 口 工 况				出口升压 kpa	轴功率 KW	转 速 r/ min	配套电机 功率
		流量 m ³ / min	压力 kgf/cm ²	温度 ℃	介质密度 kg/m ³				
CD150-1.35	空气	150	1.0	20	1.16	34.3	117	2960	132
CD150-1.4	空气	150	1.0	20	1.16	39.2	132	2960	160
CD150-1.5	空气	150	1.0	20	1.16	49.0	160	2960	200
CD150-1.6	空气	150	1.0	20	1.16	58.8	188	2960	220
CD150-1.7	空气	150	1.0	20	1.16	68.6	215	2960	250
CD150-1.8	空气	150	1.0	20	1.16	78.4	242	2960	280
CD150-1.9	空气	150	1.0	20	1.16	88.2	268	2960	315
CD180-1.35	空气	180	1.0	20	1.16	34.3	140	2960	185
CD180-1.4	空气	180	1.0	20	1.16	39.2	158	2960	200
CD180-1.5	空气	180	1.0	20	1.16	49.0	192	2960	220
CD180-1.6	空气	180	1.0	20	1.16	58.8	225	2960	280
CD180-1.7	空气	180	1.0	20	1.16	68.6	258	2960	315
CD180-1.8	空气	180	1.0	20	1.16	78.4	290	2960	350
CD180-1.9	空气	180	1.0	20	1.16	88.2	320	2960	400
CD200-1.35	空气	200	1.0	20	1.16	34.3	155	2960	185
CD200-1.4	空气	200	1.0	20	1.16	39.2	175	2960	220
CD200-1.5	空气	200	1.0	20	1.16	49.0	213	2960	250
CD200-1.6	空气	200	1.0	20	1.16	58.8	250	2960	315
CD200-1.7	空气	200	1.0	20	1.16	68.6	286	2960	350
CD200-1.8	空气	200	1.0	20	1.16	78.4	321	2960	400
CD200-1.9	空气	200	1.0	20	1.16	88.2	355	2960	400
CD200-2.0	空气	200	1.0	20	1.16	98.0	385	2960	450
CD220-1.35	空气	220	1.0	20	1.16	34.3	170	2960	200
CD220-1.4	空气	220	1.0	20	1.16	39.2	192	2960	250
CD220-1.5	空气	220	1.0	20	1.16	49.0	234	2960	280
CD220-1.6	空气	220	1.0	20	1.16	58.8	275	2960	315
CD220-1.7	空气	220	1.0	20	1.16	68.6	314	2960	350
CD220-1.8	空气	220	1.0	20	1.16	78.4	353	2960	400
CD220-1.9	空气	220	1.0	20	1.16	88.2	388	2960	450
CD220-2.0	空气	220	1.0	20	1.16	98.0	424	2960	500
CD250-1.35	空气	250	1.0	20	1.16	34.3	193	2960	250
CD250-1.4	空气	250	1.0	20	1.16	39.2	218	2960	250
CD250-1.5	空气	250	1.0	20	1.16	49.0	266	2960	315
CD250-1.6	空气	250	1.0	20	1.16	58.8	312	2960	350
CD250-1.7	空气	250	1.0	20	1.16	68.6	356	2960	400
CD250-1.8	空气	250	1.0	20	1.16	78.4	400	2960	450

CD系列铸造多级低速离心鼓风机性能参数

型 号	输 送 介 质	进 口 工 况				出口升压 kpa	轴功率 KW	转 速 r/ min	配套电机 功率
		流量 m ³ / min	压力 kgf/cm ²	温度 ℃	介质密度 kg/m ³				
CD250-1.9	空气	250	1.0	20	1.16	88.2	440	2960	500
CD250-2.0	空气	250	1.0	20	1.16	98.0	480	2960	560
CD300-1.35	空气	300	1.0	20	1.16	34.3	232	2960	280
CD300-1.4	空气	300	1.0	20	1.16	39.2	262	2960	315
CD300-1.5	空气	300	1.0	20	1.16	49.0	320	2960	400
CD300-1.6	空气	300	1.0	20	1.16	58.8	375	2960	450
CD300-1.7	空气	300	1.0	20	1.16	68.6	430	2960	500
CD300-1.8	空气	300	1.0	20	1.16	78.4	479	2960	560
CD300-1.9	空气	300	1.0	20	1.16	88.2	528	2960	630
CD300-2.0	空气	300	1.0	20	1.16	98.0	575	2960	710
CD350-1.35	空气	350	1.0	20	1.16	29.4	271	2960	310
CD350-1.4	空气	350	1.0	20	1.16	39.2	306	2960	350
CD350-1.5	空气	350	1.0	20	1.16	49.0	373	2960	450
CD350-1.6	空气	350	1.0	20	1.16	58.8	437	2960	500
CD350-1.7	空气	350	1.0	20	1.16	68.6	498	2960	560
CD350-1.8	空气	350	1.0	20	1.16	78.4	558	2960	630
CD350-1.9	空气	350	1.0	20	1.16	88.2	615	2960	710
CD350-2.0	空气	350	1.0	20	1.16	98.0	670	2960	800
CD400-1.35	空气	400	1.0	20	1.16	34.3	307	2960	350
CD400-1.4	空气	400	1.0	20	1.16	39.2	346	2960	400
CD400-1.5	空气	400	1.0	20	1.16	49.0	422	2960	500
CD400-1.6	空气	400	1.0	20	1.16	58.8	495	2960	560
CD400-1.7	空气	400	1.0	20	1.16	68.6	565	2960	630
CD400-1.8	空气	400	1.0	20	1.16	78.4	631	2960	710
CD400-1.9	空气	400	1.0	20	1.16	88.2	696	2960	800
CD400-2.0	空气	400	1.0	20	1.16	98.0	758	2960	900
CD400-2.15	空气	400	1.0	20	1.16	98.0	850	2960	1000
CD500-1.35	空气	500	1.0	20	1.16	34.3	373	2980	450
CD500-1.4	空气	500	1.0	20	1.16	39.2	420	2980	500
CD500-1.5	空气	500	1.0	20	1.16	49.0	513	2980	560
CD500-1.6	空气	500	1.0	20	1.16	58.8	600	2980	710
CD500-1.7	空气	500	1.0	20	1.16	68.6	685	2980	800
CD500-1.8	空气	500	1.0	20	1.16	78.4	715	2980	900
CD500-1.9	空气	500	1.0	20	1.16	88.2	845	2980	1000
CD500-2.0	空气	500	1.0	20	1.16	98.0	920	2980	1120
CD500-2.15	空气	500	1.0	20	1.16	112.7	958	2980	1120

CD系列铸造多级低速离心鼓风机性能参数

型 号	输 送 介 质	进 口 工 况				出口升压 kpa	轴功率 KW	转 速 r/ min	配套电机 功率
		流量 m ³ / min	压力 kgf/cm ²	温度 °C	介质密度 kg/m ³				
CD500-2.25	空气	500	1.0	20	1.16	122.5	1022	2980	1250
CD500-2.3	空气	500	1.0	20	1.16	127.4	1053	2980	1250
CD500-2.4	空气	500	1.0	20	1.16	137.2	1145	2980	1400
CD600-1.5	空气	600	1.0	20	1.16	49.0	607	2980	710
CD600-1.6	空气	600	1.0	20	1.16	58.8	712	2980	800
CD600-1.7	空气	600	1.0	20	1.16	68.6	811	2980	900
CD600-1.8	空气	600	1.0	20	1.16	78.4	907	2980	1000
CD600-1.9	空气	600	1.0	20	1.16	88.2	952	2980	1120
CD600-2.0	空气	600	1.0	20	1.16	98.0	1030	2980	1250
CD600-2.15	空气	600	1.0	20	1.16	112.7	1150	2980	1400
CD600-2.25	空气	600	1.0	20	1.16	122.5	1230	2980	1400
CD600-2.3	空气	600	1.0	20	1.16	127.4	1270	2980	1400
CD600-2.4	空气	600	1.0	20	1.16	137.2	1335	2980	1600
CD800-1.5	空气	800	1.0	20	1.16	49.0	810	2980	900
CD800-1.6	空气	800	1.0	20	1.16	58.8	948	2980	1120
CD800-1.7	空气	800	1.0	20	1.16	68.6	1082	2980	1250
CD800-1.8	空气	800	1.0	20	1.16	78.4	1210	2980	1400
CD800-1.9	空气	800	1.0	20	1.16	88.2	1335	2980	1600
CD800-2.0	空气	800	1.0	20	1.16	98.0	1451	2980	1600
CD800-2.15	空气	800	1.0	20	1.16	112.7	1622	2980	1800
CD800-2.25	空气	800	1.0	20	1.16	122.5	1732	2980	2000
CD800-2.3	空气	800	1.0	20	1.16	127.4	1790	2980	2000
CD800-2.4	空气	800	1.0	20	1.16	137.2	1890	2980	2200
CD1000-1.5	空气	1000	1.0	20	1.16	49.0	1015	2980	1250
CD1000-1.6	空气	1000	1.0	20	1.16	58.8	1188	2980	1400
CD1000-1.7	空气	1000	1.0	20	1.16	68.6	1352	2980	1600
CD1000-1.8	空气	1000	1.0	20	1.16	78.4	1512	2980	1800
CD1000-1.9	空气	1000	1.0	20	1.16	88.2	1670	2980	2000
CD1200-1.5	空气	1200	1.0	20	1.16	49.0	1220	2980	1400
CD1200-1.6	空气	1200	1.0	20	1.16	58.8	1426	2980	1600
CD1200-1.7	空气	1200	1.0	20	1.16	68.6	1625	2980	1800
CD1200-1.8	空气	1200	1.0	20	1.16	78.4	1817	2980	2200
CD1200-1.9	空气	1200	1.0	20	1.16	88.2	2000	2980	2500

备注：以上表中参数输送介质为空气，当输送氮气、煤气、二氧化硫等其它气体时，需依据介质组分和所需性能另行计算选型。

CG系列铸造多级高速离心鼓风机性能参数

型 号	输 送 介 质	进 口 工 况				出口升压 kpa	轴功率 KW	转 速 r/ min	配套电机 功率
		流量 m ³ / min	压力 kgf/cm ²	温度 ℃	介质密度 kg/m ³				
CG500-2.2	空气	500	1.0	20	1.16	117.6	1005	7200	1250
CG500-2.4	空气	500	1.0	20	1.16	137.2	1132	7400	1400
CG500-2.5	空气	500	1.0	20	1.16	147.0	1168	7800	1400
CG500-2.8	空气	500	1.0	20	1.16	176.4	1336	6500	1600
CG500-3.0	空气	500	1.0	20	1.16	196.0	1445	6800	1600
CG500-3.2	空气	500	1.0	20	1.16	215.6	1545	7200	1800
CG800-2.2	空气	800	1.0	20	1.16	117.6	1605	6200	1800
CG800-2.4	空气	800	1.0	20	1.16	137.2	1810	6600	2000
CG800-2.5	空气	800	1.0	20	1.16	147.0	1910	6800	2240
CG800-2.8	空气	800	1.0	20	1.16	176.4	2190	5800	2500
CG800-3.0	空气	800	1.0	20	1.16	196.0	2358	6200	2800
CG800-3.2	空气	800	1.0	20	1.16	215.6	2525	6500	3150
CG1000-2.2	空气	1000	1.0	20	1.16	117.6	2010	5600	2500
CG1000-2.4	空气	1000	1.0	20	1.16	137.2	2261	6000	2800
CG1000-2.5	空气	1000	1.0	20	1.16	147.0	2385	6200	2800
CG1000-2.8	空气	1000	1.0	20	1.16	176.4	2730	6500	3150
CG1000-3.0	空气	1000	1.0	20	1.16	196.0	2945	5600	3550
CG1000-3.2	空气	1000	1.0	20	1.16	215.6	3152	5800	3550
CG1500-2.2	空气	1500	1.0	20	1.16	117.6	3015	4500	3550
CG1500-2.4	空气	1500	1.0	20	1.16	137.2	3395	4800	4000
CG1500-2.5	空气	1500	1.0	20	1.16	147.0	3575	4800	4000
CG1500-2.8	空气	1500	1.0	20	1.16	176.4	4100	5200	5000
CG1500-3.0	空气	1500	1.0	20	1.16	196.0	4420	5800	5000
CG1500-3.2	空气	1500	1.0	20	1.16	215.6	4730	4600	5600
CG2000-2.2	空气	2000	1.0	20	1.16	117.6	4280	4400	5000
CG2000-2.4	空气	2000	1.0	20	1.16	137.2	4530	4800	5600
CG2000-2.5	空气	2000	1.0	20	1.16	147.0	4770	5000	5600
CG2000-2.8	空气	2000	1.0	20	1.16	176.4	5460	5200	6300
CG2000-3.0	空气	2000	1.0	20	1.16	196.0	5890	5300	7100
CG2000-3.2	空气	2000	1.0	20	1.16	215.6	6050	4300	7100

备注：以上表中参数输送介质为空气，当输送氮气、煤气、二氧化硫等其它气体时，需依据介质组分和所需性能另行计算选型。

全流程服务

Whole process service

售前

Before sale



选型方案

Solution Plan

庞大的专业技术支持人员，进行选型报价及标书制作，优化选型方案，及时满足销售一线需求。

A large team of professional and technical support personnel, for the fan's sizing & quotation and bidding document edition, optimization of the solution plan, timely meet the needs of first-line sales.



技术资料

Technical Documents

研究所组成专人服务队伍，进行后期技术资料提供，准确高效。

The professional service team composed of technical personnel provides the technical documents in the later stage accurately and efficiently



技术交流

Technical Communication

专业技术人员走向销售一线进行现场深入的技术交流。

Professional and technical staff goes to the sales line for in-depth technical communication.



性能测试

Performance Test

针对改造方案可去现场协助用户或设计院进行参数的实际测量。

For the modification scheme, we can go to the site to assist users or design institute to carry out the actual measurement of parameters.

售中

In sale



项目管理

自动化项目管理，跨平台协同办公。

Project Management

Automatic project management, cross-platform collaborative transaction



质量管控

加强质量管控，注重细节管理，提高成品合格率。

Quality Control

Strengthen quality control, pay attention to detail management, improve the qualified rate of finished products



生产调度

通过互联网实现“云”生产，生产进度可视化管控，确保按时交货。

Quality Control

Through the Internet to achieve "cloud" production, production schedule visualization control, to ensure delivery on time.



平台试验

每个转子均进行高标准平衡试验，部分风机可进行机械运转试验及性能试验。试验全部通过后才可出厂。

Quality Control

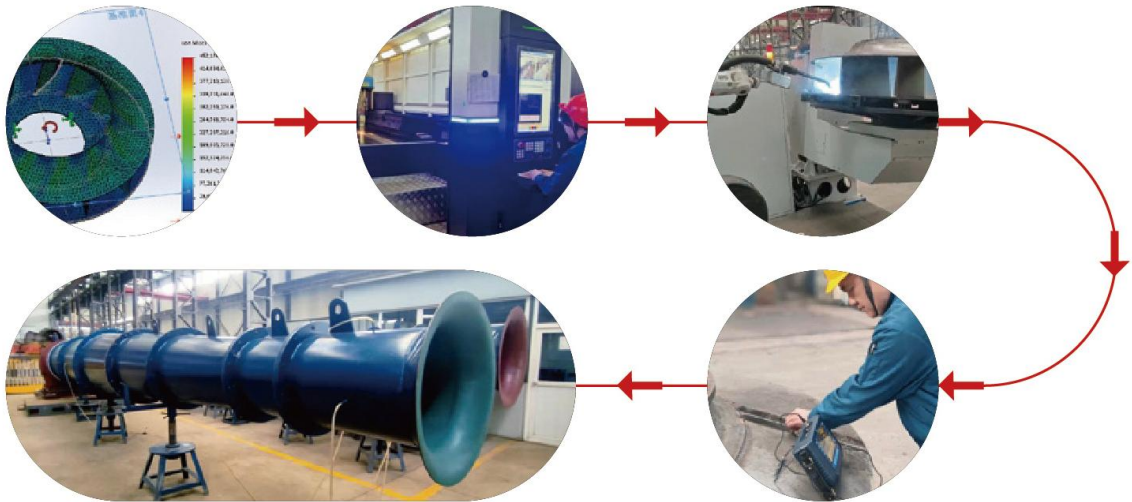
High standard dynamic balance test is carried out for each rotor, and mechanical running test and performance test can be carried out for some fans. The fans could only leave the factory after all the tests have been passed.

为客户提供最优的产品和服务!

Provide quality products and services to customers.

售中

In sale



售后

After sale





我们在中国各地共设有 56 个办事处，目前除台湾省外全国 33 个省份行政区域均有完善的销售和服务网络。能够及时便捷的为您提供售前、售中和售后服务，从中了解您的需求，在满足客户定制化需求同时，不断完善服务及质量体系。

We set up 56 sales offices all over China covers 33 provincial Administrative Region except Taiwan. It is perfectly organized sale and service network will offer prompt presale, insale and aftersale service. Your requirements would be fully realized by our tailor made products and improving service and quality system.



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

地址：山东省济南市章丘区明水经济开发区世纪大道东首

ADD: Shiji Blvd. East, Mingshui Economic Development Zone, Zhangqiu District, Jinan City,
Shandong Province

电话 (TEL) : 0531-8325 0578 (透平机械市场部 Marketing Department)

0531-8325 0025 8325 0036 (销售公司 Sales Company)

+86-531-8325 0080 (外贸部 Foreign Trade Department)

传真 (FAX) : 0531-8325 0067 (透平机械市场部 Marketing Department)

0531-8322 5838 (销售公司 Sales Company)

+86-531-8325 0082 (外贸部 Foreign Trade Department)

E-mail: zgtpjx@blower.cn (透平机械市场部 Marketing Department)

xmb@blower.cn (销售公司 Sales Company)

globalbiz@blower.cn (外贸部 Foreign Trade Department)

Http://www.blower.cn

邮编 (Zip Code) : 250200



山东章鼓官方网站



山东章鼓微信公众平台

本样本所记录的内容有因技术改进而变更的可能性，不另行通知，请予谅解。
It should be that we reserve the right to change the contents of the catalogue without priar notice.