

VOLCANO ELECTRIC



官网



公众号



视频号



官方抖音

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EC风机电机产品手册

PRODUCT MANUAL

ELECTRONICALLY COMMUTATED
FAN MOTORS

工业服务综合产品及解决方案提供商

INTEGRATED
INDUSTRIAL SOLUTIONS PROVIDER

用科技为人类的
可持续发展
做出贡献

COMPANY
PROFILE

企业简介

USE SCIENCE AND
TECHNOLOGY
TO CONTRIBUTE
TO THE SUSTAINABLE
DEVELOPMENT OF MANKIND

火山电气自成立以来始终专注于自动化与智能节能等工业服务领域，是一家从事工业服务综合产品研发、生产、销售于一体的高新技术企业。以拥有先进的驱动与控制技术、电机设计能力为基础，聚焦客户需求，持续为客户提供自动化、数字化、智能化的产品及解决方案，为客户降低综合成本，节能增效，创造价值！

公司的产品线丰富，涵盖高效永磁电机、矢量驱动器、控制系统等，被广泛应用于精密制造、高端装备、工业自动化等多个领域。

未来，火山电气将持续秉承“用科技为人类的可持续发展做出贡献”的企业使命，加大核心技术攻关力度，加快产品迭代升级，为工业节能减排、制造业数字化转型，构建智能化未来和社会的可持续发展做贡献。

Since its establishment, Volcano Electric has always focused on industrial automation and intelligent energy-saving services, positioning itself as a high-tech enterprise engaged in the comprehensive development, production, and sales of industrial service products. Based on advanced drive and control technologies and motor design capabilities, the company focuses on customer needs, continuously providing automation, digitalization, and intelligent products and solutions that help customers reduce overall costs, save energy, enhance efficiency, and create value. Volcano Electric offers a diverse range of products, primarily including drive controllers, high-efficiency permanent magnet motors, direct drive motors, EC fan motors, and vacuum pumps/integrated water pumps. With their outstanding performance and excellent quality, these products are widely used in heavy industry, light industry, and high-end equipment sectors. Looking ahead, Volcano Electric remains committed to its mission of "contributing to sustainable human development through technology." The company plans to intensify efforts in core technology development and accelerate product innovation to contribute to industrial energy conservation, digital transformation in manufacturing, and the building of an intelligent future for sustainable societal development.

COMPANY
PROFILE

30+^年

电机设计
Motor Design

10+^年

驱动控制
Drive Control

2^处

宁波、东阳
两大制造基地
Manufacturing Bases

1^套

工业服务综合产品
及整体解决方案
Integrated Solutions

产品命名细则

PRODUCT NAMING RULES



1 电机系列 Motor series

- HSE** : 火山EC风机内/外转子电机
EC Fan Motors (Internal/External Rotor)
- HSZ** : 火山电主轴风冷直驱电机
Air-cooled direct drive spindle motors
- HSV** : 火山真空泵及空气压缩永磁电机
Permanent Magnet Motors for Vacuum Pumps & Air Compressors
- HSW** : 火山电主轴液冷直驱电机
Water-cooled direct drive spindle motors
- HSP** : 火山游泳池泵及泵永磁电机
Swimming pool pump and pump permanent magnet motors
- HSI** : 火山IEC系列永磁电机
IEC series permanent magnet motors
- HSS** : 火山伺服系列永磁电机
Servo series permanent magnet synchronous motors

2 电机类型 Motor type

- P M** : 永磁同步电机
Permanent Magnet Synchronous Motor
- SRM** : 开关磁阻电机
Switched Reluctance Motor
- ACIM** : 交流异步电机
AC Asynchronous Motor

3 电压等级 Voltage Level

- 24L** : 24V直流电压输入
24VDC Voltage Input
- 22H** : 220VAC输入
220VAC Input
- 38H** : 380VAC输入
380VAC Input
- 380V** : 380V交流电输入
380VAC Input

4 功率代码 Power Code

- 075** : 750W
- 750** : 7500W
- 150** : 1500W

5 定子外径 Outer Diameter of Stator

6 编码选型码 Encoder Code

- N** : 无感
Sensorless
- H** : 霍尔
Hall Sensor Encoder
- M** : 磁编编码 (12Bit)
Magnetic Encoder
- P** : 光电编码器 (增量)
Optical Encoder
- R** : 旋转编码器
Rotary Encoder
- S** : 正余弦编码器 (2048P)
Sine-Cosine Encoder
- A** : 绝对型编码器 (17Bit)
Absolute Encoder

7 额定转速常数 Rated speed constant

按照数值*100
Value × 100 = Rated Speed (rpm)
如果06即为600转
电机额定600转
If the code is 06, the rated speed is 600 rpm

8 冷却方式 Cooling Method

- F** : 强制风冷
Forced Air Cooling
- S** : 自然冷却
Natural Cooling

9 安装方式 Installation Method

- 03** : B3 底脚安装
B3 Foot Mounting
- 05** : B5 法兰安装
B5 Flange Mounting
- 14** : B14 法兰安装
B14 Flange Mounting
- 34** : B34 卧式法兰安装
B34 Flange Mounting
- 4X** : 4/1 支架安装
4/1 Bracket Installation

产品优势

PRODUCT ADVANTAGE

高效节能

High Efficiency and Energy Saving

采用先进的电子控制技术，通过精确的速度控制，确保电机在不同负载下的高效运行，节能能效符合国家一级能效标准 (IE5)。

Utilizes advanced electronic control technology to ensure efficient motor operation under different loads through precise speed control, achieving national first-level energy efficiency (IE5).

低噪音和电磁兼容性 (EMC) 设计

Low Noise and Electromagnetic Compatibility (EMC) Design

EC风机电机在保持高效率的同时，降低了电磁噪音，且符合EMC（电磁兼容性）标准，这使得它成为对噪音敏感环境的理想选择，如医院、畜牧业和办公场所。

EC fan motors maintain high efficiency while reducing electromagnetic noise and comply with EMC standards, making them ideal for noise-sensitive environments such as hospitals, livestock farming, and offices.

智能控制

Intelligent Control

集成智能控制系统，能够根据实时数据和预设参数自动调节风机风量，确保了设备始终在最佳状态下运行，既满足了环境需求，又实现了节能最大化。

The integrated intelligent control system automatically adjusts fan airflow based on real-time data and preset parameters, ensuring optimal operation and maximizing energy savings while meeting environmental requirements.

绿色环保

Green and Environmentally Friendly

在材料选择上，坚持使用符合环保标准的材料，减少对环境的污染，积极践行绿色经济理念，助力社会可持续发展。

By adhering to environmentally compliant materials in production, we minimize environmental pollution and actively uphold green economic principles, supporting sustainable societal development.

驱电一体紧凑设计

Compact Integrated Design

驱动控制器与电机一体化的设计，适用行业中各种需要集中式管理、便携操作等应用，不仅节省空间，还简化了安装和维护过程，使得EC风机电机能够轻松适应各种狭小的安装环境，为用户提供了极大的便利。

The integration of the drive controller and motor is suited for applications requiring centralized management and portable operation across various industries. This space-saving design simplifies installation and maintenance processes, allowing EC fan motors to easily adapt to confined installation spaces and providing exceptional convenience for users.

使用寿命长

Long Service Life

采用稀土钕铁硼强磁材料和精密的工艺技术，确保了电机的耐用性和可靠性，使其在各种严苛环境下也能稳定运行。同时大大减少维护次数和更换频率，降低长期的维护成本。

The use of rare earth neodymium iron boron strong magnetic materials and precision engineering techniques ensures the motor's durability and reliability, enabling stable operation even in harsh environments. This significantly reduces maintenance frequency and replacement needs, lowering long-term maintenance costs.

模块化设计

Modular Design

模块化设计使得EC风机电机更加灵活，可以根据不同的应用需求进行定制。这种设计方式不仅缩短了产品开发周期，还提高了产品的适应性和市场竞争力。

The modular design makes EC fan motors more flexible, allowing customization to meet diverse application requirements. This approach not only shortens the product development cycle but also enhances adaptability and market competitiveness.

远程监控

Remote Monitoring

EC风机一体机支持远程监控和诊断功能，用户可通过网络连接实时了解设备的运行状态。这种远程监控能力不仅提高了设备的可管理性，还确保了及时的维护和调整，保障了设备的持续稳定运行。

The EC fan integrated unit supports remote monitoring and diagnostics, enabling users to track equipment operation status in real-time via network connectivity. This capability improves system manageability, ensures timely maintenance and adjustments, and guarantees continuous, stable performance.

EC风机内转子电机

Inner Rotor EC Fan Motor

HSE140/HSE160



01

EC风机内转子电机特点

Characteristics of Inner Rotor EC Fan Motor

节能能效符合国家一级能效标准(国际IE5能效等级)

Energy Efficiency: Complies with National Grade 1 Energy Efficiency Standard (International IE5 Efficiency Level)



超宽电压

Wide Voltage Range

支持380VAC宽电压至±20%

Supports 380VAC with ±20% voltage tolerance.



抗干扰

EMC Compliance

符合EMC抗电磁干扰和电磁辐射要求

Meets electromagnetic immunity requirements for EMI and EMR.



一体结构

Integrated Structure

前电机后驱动器一体式设计

Integrated front motor and rear driver design.



速度控制

Speed Control

集成电路0-10V调速、RS485/MODBUS远程控制技术

Built-in 0-10V speed regulation and RS485/MODBUS remote control.



电机保护

Motor Protection

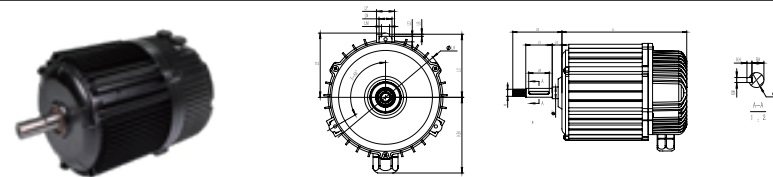
电机的过压、欠压、过流、缺相保护

Over-voltage, under-voltage, over-current, and phase loss protection.

HSE140 | 技术参数 TECHNICAL PARAMETERS

内转子电机HSE140安装及外形尺寸

Installation Dimensions of Inner Rotor Motor HSE140



型号 Model HSE140

外形及安装尺寸 INSTALLATION AND DIMENSIONS

LA	LB	LC	LD	LE	LF	LM
Φ162	2.7	82.5	7.3	84	23.5	10.5
LN	AA	KB1	LL	LR	LV	LG
17	120°	99	212	83.5	45	16.5
LW	P	M	KW	KH	RH	S
35	Φ19.8	M12	5	5	12	Φ15

内转子电机HSE140参数表

Parameter Table of Inner Rotor Motor HSE140

型号定义 Model Definition	额定电压 Rated Voltage (VAC)	额定功率 Rated Power(kW)	额定转速 Rated Speed (rpm)	额定扭矩 Rated Torque (Nm)	认证 Certification	能效等级 Energy Efficiency	防护等级 Insulation Class
HSE-PM38H150-140N15-S4X	380VAC	1.5kW	1500rpm	9.55Nm	CE	一级	IP66
HSE-PM38H150-140N10-S4X	380VAC	1.5kW	1000rpm	14Nm	CE	一级	IP66
HSE-PM38H110-140N15-S4X	380VAC	1.1kW	1500rpm	7Nm	CE	一级	IP66
HSE-PM38H110-140N10-S4X	380VAC	1.1kW	1000rpm	10.5Nm	CE	一级	IP66
HSE-PM38H075-140N30-S4X	380VAC	0.75kW	3000rpm	2.4Nm	CE	一级	IP66
HSE-PM38H075-140N15-S4X	380VAC	0.75kW	1500rpm	4.8Nm	CE	一级	IP66
HSE-PM38H075-140N10-S4X	380VAC	0.75kW	1000rpm	7Nm	CE	一级	IP66
HSE-PM38H075-140N05-S4X	380VAC	0.75kW	500rpm	14Nm	CE	一级	IP66
HSE-PM38H055-140N30-S4X	380VAC	0.55kW	3000rpm	1.8Nm	CE	一级	IP66
HSE-PM38H055-140N15-S4X	380VAC	0.55kW	1500rpm	3.5Nm	CE	一级	IP66
HSE-PM38H055-140N10-S4X	380VAC	0.55kW	1000rpm	5.3Nm	CE	一级	IP66
HSE-PM38H055-140N05-S4X	380VAC	0.55kW	560rpm	10.5Nm	CE	一级	IP66
HSE-PM38H040-140N30-S4X	380VAC	0.4kW	3000rpm	1.3Nm	CE	一级	IP66
HSE-PM38H040-140N09-S4X	380VAC	0.4kW	960rpm	4Nm	CE	一级	IP66

行业应用 APPLICATIONS

畜牧风机
Livestock Fan

负压风机
Negative-Pressure Fan

EC风机
内转子电机

大棚风机
Greenhouse Fan

数据中心
Data Center



HSE160 | 技术参数

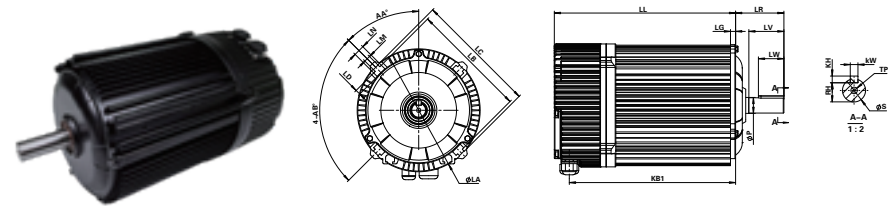
产品性能

Product Performance

序号	名称	数值	序号	名称	数值
1	转子极数 Number of rotor poles	10极 10 poles	5	控制方式 Control mode	电位器或RS485/Modbus Potentiometer or RS485/Modbus
2	绝缘等级 Insulation level	F级 Grade F	6	安装方式 Installation method	4/1-X支架安装 Installation of 4/1-X mounting bracket
3	能效级别 Energy efficiency level	一级能效或IE5 International IES Efficiency Class	7	输入端子 Input terminal	3路数字输入 3-channel digital input
4	防护等级 Protection level	IP66 IP66	8	输出端子 Output terminal	1路模拟量输出 1-channel analog output

内转子电机HSE160安装及外形尺寸

Installation Dimensions of Inner Rotor Motor HSE160



型号 Model HSE160

机身尺寸Frame Size														
LR	LV	LW	P	KB1	LG	LA	LB	LC	LN	LM	AA	AB	LD	LL
75.8	50	40	25	261/201	8	Φ193	183	192	17	10.2	45°	90°	8	284.5/224.5
轴端尺寸Shaft End Size														
S		TP		RH		KH		KW						
Φ24		M8		20		7		8						

TECHNICAL PARAMETERS

内转子电机HSE160参数表

Parameter Table of Inner Rotor Motor HSE160

型号定义 Model Definition	额定电压 Rated Voltage (VAC)	额定功率 Rated Power(KW)	额定转速 Rated Speed (rpm)	额定扭矩 Rated Torque (Nm)	认证 Certification	能效等级 Energy Efficiency	防护等级 Insulation Class
HSE-PM38H075-160N05-S4X	380VAC	0.75kW	560rpm	12Nm	CE	一级	IP66
HSE-PM38H075-160N08-S4X	380VAC	0.75kW	850rpm	8.5Nm	CE	一级	IP66
HSE-PM38H110-160N07-S4X	380VAC	1.1kW	700rpm	15Nm	CE	一级	IP66
HSE-PM38H110-160N15-S4X	380VAC	1.1kW	1500rpm	7Nm	CE	一级	IP66
HSE-PM38H150-160N05-S4X	380VAC	1.5kW	580rpm	25Nm	CE	一级	IP66
HSE-PM38H150-160N06-S4X	380VAC	1.5kW	650rpm	22Nm	CE	一级	IP66
HSE-PM38H150-160N07-S4X	380VAC	1.5kW	700rpm	20Nm	CE	一级	IP66
HSE-PM38H150-160N09-S4X	380VAC	1.5kW	960rpm	15Nm	CE	一级	IP66
HSE-PM38H150-160N15-S4X	380VAC	1.5kW	1500rpm	10Nm	CE	一级	IP66
HSE-PM38H150-160N30-S4X	380VAC	1.5kW	3000rpm	5Nm	CE	一级	IP66
HSE-PM38H220-160N07-S4X	380VAC	2.2kW	750rpm	28Nm	CE	一级	IP66
HSE-PM38H220-160N11-S4X	380VAC	2.2kW	1100rpm	19Nm	CE	一级	IP66
HSE-PM38H220-160N14-S4X	380VAC	2.2kW	1400rpm	14Nm	CE	一级	IP66
HSE-PM38H220-160N30-S4X	380VAC	2.2kW	3000rpm	7Nm	CE	一级	IP66
HSE-PM38H350-160N11-S4X	380VAC	3.5kW	1150rpm	30Nm	CE	一级	IP66
HSE-PM38H350-160N15-S4X	380VAC	3.5kW	1500rpm	22Nm	CE	一级	IP66
HSE-PM38H370-160N30-S4X	380VAC	3.7kW	3000rpm	11Nm	CE	一级	IP66
HSE-PM22H075-160N04-S4X	220VAC	0.75kW	460rpm	15.5Nm	CE	一级	IP66
HSE-PM22H085-160N05-S4X	220VAC	0.85kW	560rpm	14.5Nm	CE	一级	IP66
HSE-PM22H150-160N15-S4X	220VAC	1.5kW	1500rpm	10Nm	CE	一级	IP66
HSE-PM22H220-160N15-S4X	220VAC	2.2kW	1500rpm	14Nm	CE	一级	IP66

盘式EC内转子电机

Disc-type EC Inner Rotor Motor

HSE300/HSE370



02

盘式EC内转子电机

Disc-type EC Inner Rotor Motor

整机能效超一级能效/IE5+

Achieves International IE5 Efficiency Class



极致空间
Compact Design

盘式扁平化电驱一体设计，提高风机效率及解决空间不足

Disc-type flat integrated electric drive design, improving fan efficiency and addressing space constraints



宽电压设计
Wide voltage design

宽电压设计，最高支持电压480VAC

Supports input voltages up to 480VAC



符合EMC指令
EMC Compliance

抗干扰辐射符合61800-3:C2等级

Meets EMC Category C2 requirements per IEC 61800-3



高功率密度
High power density

支持高性能节能EC风机拓展高达22kW EC电机解决方案

Power range up to 22kW for high-performance EC fan applications



多协议支持
Multi-protocol support

RS485、MODBUS、EtherCAT、工业Wif

RS485 / Modbus / EtherCAT / Wi-Fi



高功率因素
High power factor

高功率因素设计为0.95

Power factor up to 0.95

HSE300/HSE370 | 技术参数 TECHNICAL PARAMETERS

盘式EC内转子电机HSE300参数表

Disc-type EC Inner Rotor Motor HSE300

型号定义 Model Definition	额定电压 Rated Voltage (VAC)	额定功率 Rated Power(kW)	额定转速 Rated Speed (rpm)	额定扭矩 Rated Torque (Nm)	能效等级 Energy Efficiency	防护等级 Insulation Class
HSE-PM38H450-300N16-FB5	380V	4.5kW	2650rpm	16Nm	一级	IP66
HSE-PM38H550-300N35-FB5	380V	5.5kW	1500rpm	35Nm	一级	IP66
HSE-PM38H550-300N22-FB5	380V	5.5kW	2200rpm	24Nm	一级	IP66
HSE-PM38H650-300N26-FB5	380V	6.5kW	2650rpm	23Nm	一级	IP66
HSE-PM38H750-300N26-FB5	380V	7.5kW	2650rpm	27Nm	一级	IP66
HSE-PM38H900-300N26-FB5	380V	9kW	2650rpm	32Nm	一级	IP66

盘式EC内转子电机HSE370参数表

Disc-type EC Inner Rotor Motor HSE370

型号定义 Model Definition	额定电压 Rated Voltage (VAC)	额定功率 Rated Power(kW)	额定转速 Rated Speed (rpm)	额定扭矩 Rated Torque (Nm)	能效等级 Energy Efficiency	防护等级 Insulation Class
HSE-PM38H750-370N09-FB5	380V	7.5kW	960rpm	74Nm	一级	IP66
HSE-PM38H750-370N22-FB5	380V	7.5kW	2200rpm	32.5Nm	一级	IP66
HSE-PM38H750-370N26-FB5	380V	7.5kW	2650rpm	27Nm	一级	IP66
HSE-PM38H900-370N09-FB5	380V	9kW	960rpm	89Nm	一级	IP66
HSE-PM38H900-370N22-FB5	380V	9kW	2200rpm	38Nm	一级	IP66
HSE-PM38H900-370N26-FB5	380V	9kW	2650rpm	32.5Nm	一级	IP66
HSE-PM38H1100-370N15-FB5	380V	11kW	1500rpm	70Nm	一级	IP66
HSE-PM38H1100-370N26-FB5	380V	11kW	2650rpm	40Nm	一级	IP66
HSE-PM38H1100-370N35-FB5	380V	11kW	3500rpm	30Nm	一级	IP66
HSE-PM38H1500-370N18-FB5	380V	15kW	1820rpm	79Nm	一级	IP66
HSE-PM38H1500-370N26-FB5	380V	15kW	2650rpm	54Nm	一级	IP66
HSE-PM38H1500-370N35-FB5	380V	15kW	3500rpm	41Nm	一级	IP66
HSE-PM38H1800-370N26-FB5	380V	18kW	2650rpm	65Nm	一级	IP66
HSE-PM38H1800-370N35-FB5	380V	18kW	3500rpm	49Nm	一级	IP66
HSE-PM38H2200-370N26-FB5	380V	22kW	2650rpm	80Nm	一级	IP66
HSE-PM38H2200-370N35-FB5	380V	22kW	3500rpm	60Nm	一级	IP66

行业应用 APPLICATIONS

畜牧风机
Livestock Fan

HVAC暖通空调系统
HVAC Systems

盘式EC
内转子电机

制冷与冷链系统
Refrigeration and Cold Chain Systems

工业设备冷却
Industrial Equipment Cooling



EC风机外转子电机

External Rotor EC Fan Motor

HSE102/HSE138/HSE188



03

EC风机外转子电机特点 Characteristics Of External Rotor EC Fan Motor



结构类型 Structural Design

采用十、十二、十六级正弦波磁石设计，转子外径为 $\Phi 102$ 、 $\Phi 138$ 、 $\Phi 188$ ；

Features 10-pole, 12-pole, or 16-pole sinusoidal magnet configurations, with rotor outer diameters of $\phi 102$, $\phi 138$, and $\phi 188$.



位置精度 Feedback Options

可根据应用选择无位置、磁编码、光电编码、旋转编码、正弦弦编码、绝对型编码等控制方式；

Configurable control modes including sensorless, magnetic encoder, optical encoder, rotary encoder, sine/cosine encoder, and absolute encoder.



速度控制 Speed Control

远程通讯控制RS485/Modbus, 0-10V无级调速；

Remote communication via RS485/Modbus and 0-10V stepless speed regulation.



功率转速 Power & Speed

可设计0.55kW~7.5kW功率系列一体化驱动电机，可根据各应用要求设计EC电机转速；

Supports integrated drive motors with power ranges from 0.55kW ~ 7.5kW. EC motor speed can be customized to meet specific application requirements.



超宽电压 Ultra-Wide Voltage

可定制宽电压启动运行达 $\pm 30\%$ ；

Customizable voltage tolerance up to $\pm 30\%$ for startup and operation.



应用电压 Rated Voltage

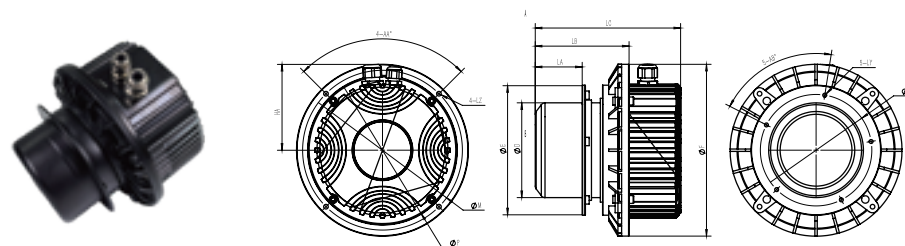
支持不同电压设计，高压电机驱动控制系列(220VAC、380VAC、110VAC)；

Compatible with multiple voltage classes including high-voltage motor control series (220VAC, 380VAC, 110VAC).

HSE102 | 技术参数 TECHNICAL PARAMETERS

外转子电机HSE102安装及外形尺寸

Installation Dimensions of External Rotor Motor HSE102



型号 Model HSE102

M	HA	F	LA	4-AA	5-AB	LZ
Φ172	93	Φ185	50.5	4-90°	5-72°	4-M6
P	N	5-LY	LB	LC	D	E
Φ160	Φ120	5-M5	101	156.5	Φ102	Φ139

外转子电机HSE102参数表

Parameter Table of External Rotor Motor HSE102

型号定义 Model Definition	额定电压 Rated Voltage (VAC)	额定功率 Rated Power (kW)	额定转速 Rated Speed (rpm)	额定扭矩 Rated Torque (Nm)	IP等级 IP Rating	工作温度 Operating Temperature	调速 Speed Regulation
HSEPM22H65-102N15-S05	220	0.65	1500	4	IP55	-25℃ ~ +60℃	0-10V/RS485
HSEPM22H65-102N20-S05	220	0.65	2050	3	IP54	-25℃ ~ +60℃	0-10V/RS485
HSEPM22H65-102N26-S05	220	0.65	2600	2.4	IP54	-25℃ ~ +60℃	0-10V/RS485
HSEPM22H40-102N22-S05	220	0.4	2200	1.7	IP54	-25℃ ~ +60℃	0-10V/RS485

行业应用 APPLICATIONS

离心风机
Centrifugal Fan

医用手术室
Medical Operating Room

EC风机外转子电机
HSE102
HSE138 / HSE188

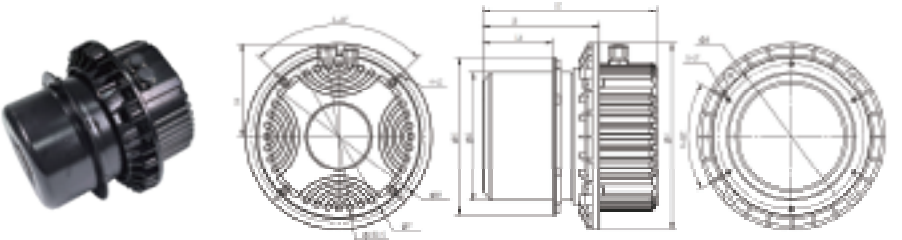
空气无尘室
Clean Room

化工大气治理
Chemical Industry Air Treatment



HSE138 | 技术参数 TECHNICAL PARAMETERS

外转子电机HSE138安装及外形尺寸 Installation Dimensions Of External Rotor Motor HSE138



型号 Model HSE138

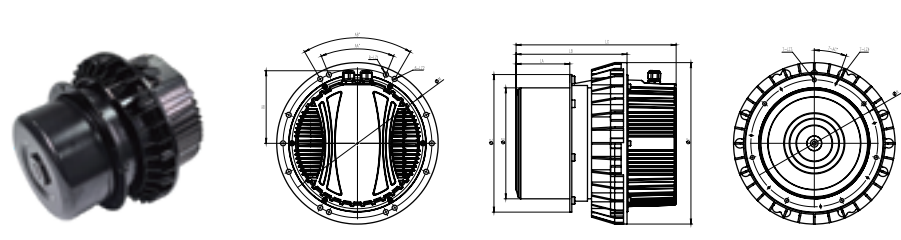
M	HA	F	LA	AA	AB
Φ186	99.4	200	75	90°	60°
N	LY	LB	LC	D	E
Φ156	6xM5	125.5	186.6	Φ138	Φ169

外转子电机HSE138参数表 Parameter Table of External Rotor Motor HSE138

型号定义 Model Definition	额定电压 Rated Voltage (VAC)	额定功率 Rated Power(kW)	额定转速 Rated Speed (rpm)	IP等级 IP Rating	工作温度 Operating Temperature	调速 Speed Regulation
HSEPM38H130-138N17-S05	380	1.3	1700	IP54	-25℃ ~ +60℃	0-10V/RS485
HSEPM38H150-138N20-S05	380	1.5	2050	IP54	-25℃ ~ +60℃	0-10V/RS485
HSEPM38H180-138N27-S05	380	1.8	2700	IP54	-25℃ ~ +60℃	0-10V/RS485

HSE188 | 技术参数 TECHNICAL PARAMETERS

外转子电机HSE188安装及外形尺寸 Installation Dimensions Of External Rotor Motor HSE188



型号 Model HSE188

M	H	F	LA	AA	AB	LZ1	LZ2
Φ252	123	273.5	91	45°	60	8-M70	6-M110
N	LZ3	LZ4	AC	LB	LC	D	E
Φ215	7xM8	7xM4	20°	188	271.2	Φ188	Φ233

外转子电机HSE188参数表 Parameter Table of External Rotor Motor HSE188

型号定义 Model Definition	额定电压 Rated Voltage (VAC)	额定功率 Rated Power(kW)	额定转速 Rated Speed (rpm)	IP等级 IP Rating	工作温度 Operating Temperature	调速 Speed Regulation
HSEPM38H220-188N17-S05	380	2.2	1700	IP54	-25℃ ~ +60℃	0-10VDC/RS485
HSEPM38H250-188N24-S05	380	2.5	2400	IP54	-25℃ ~ +60℃	0-10VDC/RS485
HSEPM38H350-188N16-S05	380	3.5	1600	IP54	-25℃ ~ +60℃	0-10VDC/RS485
HSEPM38H350-188N27-S05	380	3.5	2700	IP54	-25℃ ~ +60℃	0-10VDC/RS485
HSEPM38H400-188N22-S05	380	4	2200	IP54	-25℃ ~ +60℃	0-10VDC/RS485
HSEPM38H550-188N18-S05	380	5.5	1820	IP54	-25℃ ~ +60℃	0-10VDC/RS485
HSEPM38H550-188N22-S05	380	5.5	2200	IP54	-25℃ ~ +60℃	0-10VDC/RS485
HSEPM38H550-188N26-S05	380	5.5	2600	IP54	-25℃ ~ +60℃	0-10VDC/RS485