

2022

WIND TURBINE
SLIP RING BROCHURE

DELIVER HIGH PERFORMANCE TO
CUSTOMERS AROUND THE WORLD WIND
TURBINE SLIP RING SOLUTION



MOFLON



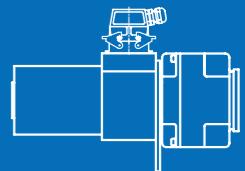
MOFLON

Address: Building B, Xuehualing Industrial Park, Germany, Shajing Street,
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Website: <https://www.moflon.com> Email: sales@moflon.com

MOFLON TECHNOLOGY CO.,LIMITED



Focus on high-end wind turbine slip ring design and production



Tips: For all 3D model files, you can download them from the official website: <http://www.moflon.com> or contact sales@moflon.com to get the 3D model files package of U disk version for free

Company Introduction



MOFLON, a global high-end precision slip ring manufacturer, is located in Shajing, Shenzhen, with more than 300 employees and annual sales breakthrough 100 million, 7,000 square meters of high-tech factory, committed to high-end intelligent manufacturing.

MOFLON is one of the earliest companies in China engaged in the research, production and sales of slip rings (360°rotating conductive ventilation devices).

MOFLON R&D team has strong research and development strength, rich experience, unique design concept and advanced comprehensive testing technology. For a long time, we have provided a variety of high-precision conductive slip rings and technical support for military, aviation, navigation, wind turbine, automation equipment, research institutes and universities. The mature and perfect solutions and reliable quality have been highly recognized by the industry. The products are CE, ROHS and other certificated. MOFLON is a high-tech enterprise in Shenzhen and has various certificates of national authoritative testing institutions. The company has fully introduced ISO9001 quality management system, making its product performance and various indicators in the forefront of the industry, becoming preferred partner for precision conductive slip rings with various high requirements.

In 2009, MOFLON technology involved in the wind turbine industry. Based on the introduction of German wind turbine slip ring technology, after several stages of improvement, optimization, independent design, R&D and innovation, it successfully developed MF series dedicated wind turbine for China's wind turbine generation system. The slip ring and the span of the domestic wind turbine slip ring from the running to the leading. MF series wind turbine slip ring can meet the 1.25-6MW wind turbine, and the interface is consistent, which can replace the mainstream manufacturers domestic and overseas. MOFLON wind turbine slip ring has good resistance to low temperature, high humidity, sand, corrosion, shock, vibration, performance and maintenance. The service life can reach 20 years or hundreds of millions of revolutions. MOFLON wind turbine slip ring has been safely and stably applied to more than 80 wind turbine farms in China.

In the future, under the opportunities and challenges of China's economic transformation and comprehensive upgrading of manufacturing industry, MOFLON will continue to provide high-quality, high-performance conductive slip ring solutions to customers around the world, serving the world!



Manufacturing equipment



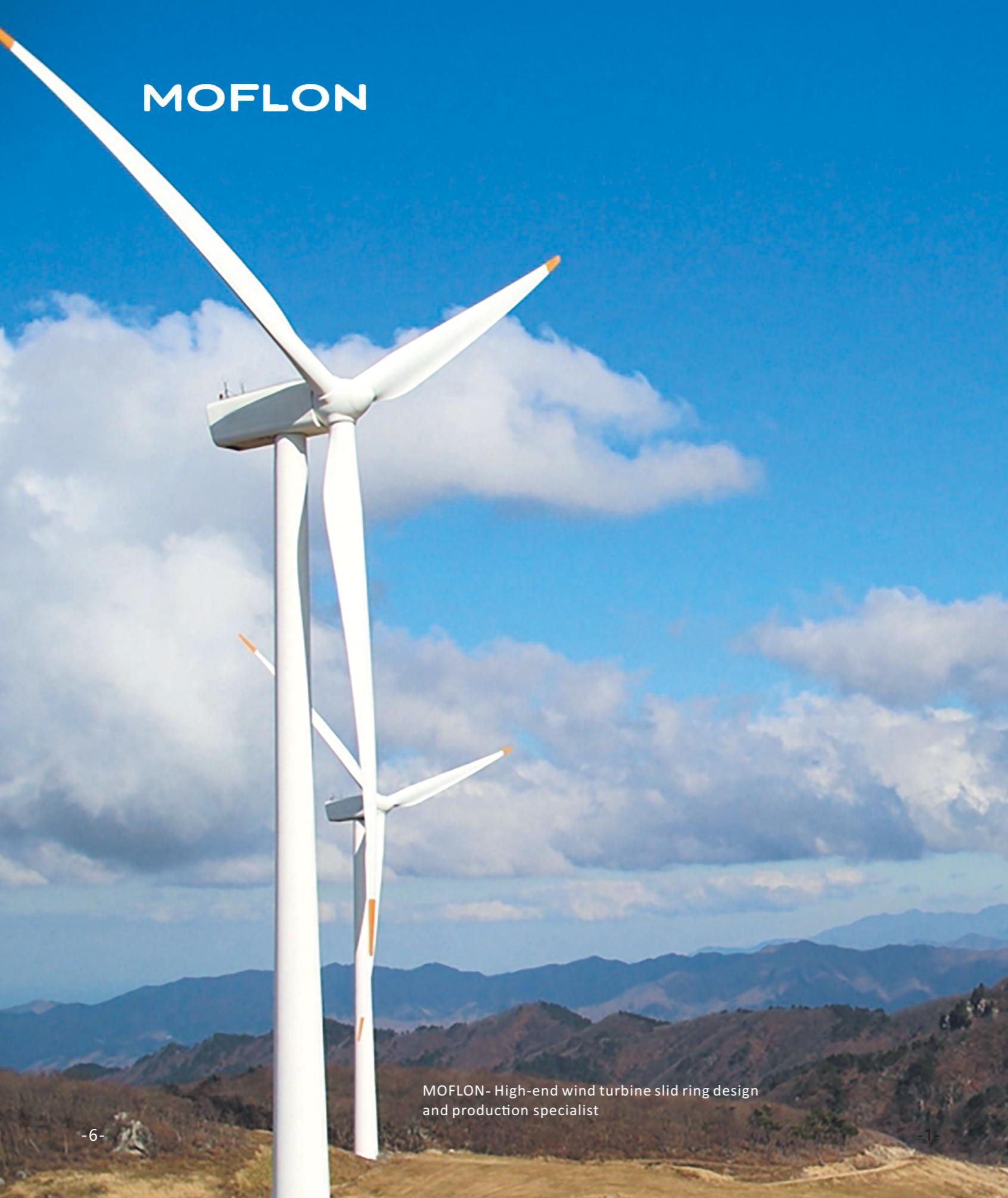
Test equipment



Company Certificate



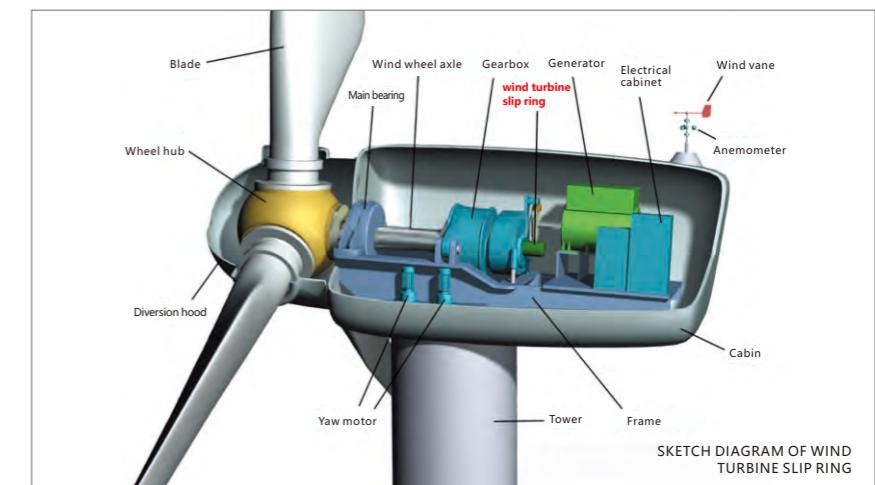
MOFLON



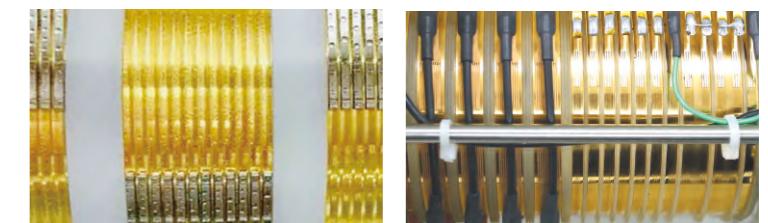
MOFLON-High-end wind turbine slid ring design
and production specialist

WIND TURBINE SLIP RING INTRODUCTION

Since the wind turbine rotates 360 degrees with the direction of the wind during use, a connection device that can also rotate 360 degrees is needed. The principle of wind turbine slip ring is to connect the rotating fan blade and the main shaft part to realize the conversion of wind energy and transmit the electric energy efficiently. The wind turbine slip ring is the joint component that connects the two parts. The wind turbine slip ring is the only channel that can transmit signals between the blades and the fan. If there is a problem with this component, the entire generator will not be used, so the wind turbine slip ring plays a very important role in wind turbine equipment. Due to the important position of wind turbine slip ring in wind turbine generation system, wind turbine slip rings are highly demanding for accuracy, stability and working life.



MOFLON WIND TURBINE SLIP RING CONTACT

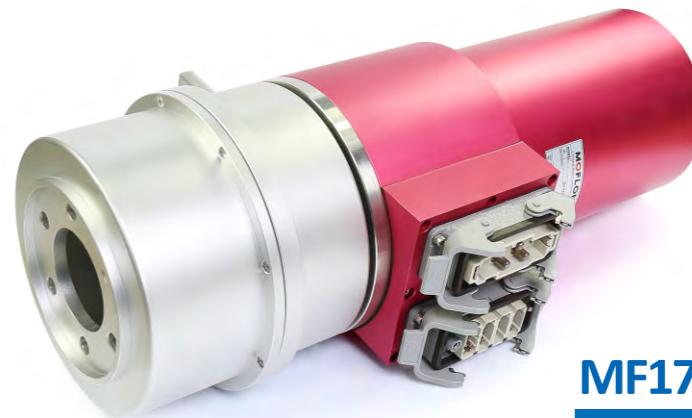
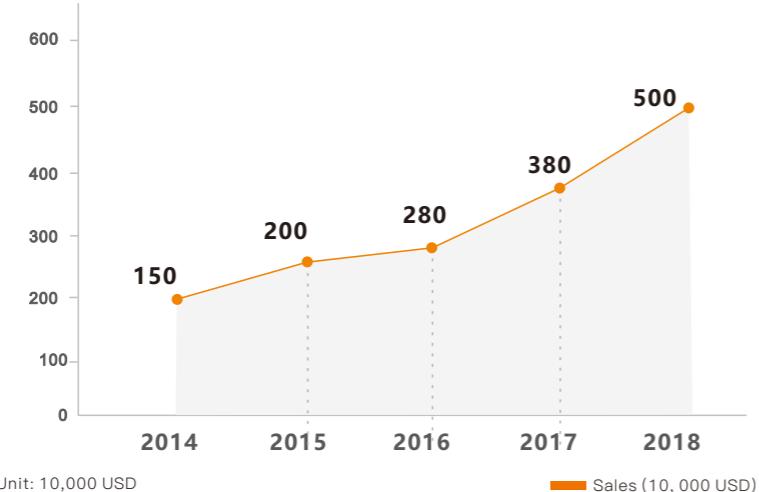


Cluster brush

Precious metal contact



MOFLON SALES IN THE PAST 5 YEARS

**MF1700-5P-HR1.5**

SINOVEL 1.5MW SERIES FAN

MF series wind turbine pitching slip ring is specially designed for the 1.25-6MW wind turbine. It is also specially designed to meet the special slip ring of China's wind turbine generation system with high reliability. The imported materials are equipped with advanced production equipment and various performance testing systems for wind turbine slip rings, so that MOFLON wind turbine slip rings have good low temperature resistance, high humidity, sand resistance, corrosion resistance, impact resistance, vibration resistance and stable performance. With no maintenance and other features, the service life can reach 20 years or hundreds of millions of revolutions. Options include cable length, connection, encoder model, low voltage + data transfer, high voltage current 300A.

- ▶ Each loop is designed with multi-contact technology for reliable and stable operation
- ▶ Can transfer RS485, CAN-BUS, PROFIBUS, Ethernet and other bus data
- ▶ Anti-dust design, fully meet the dust requirements in desert use
- ▶ Standard flange configuration, can be well matched with the fan of each manufacturer

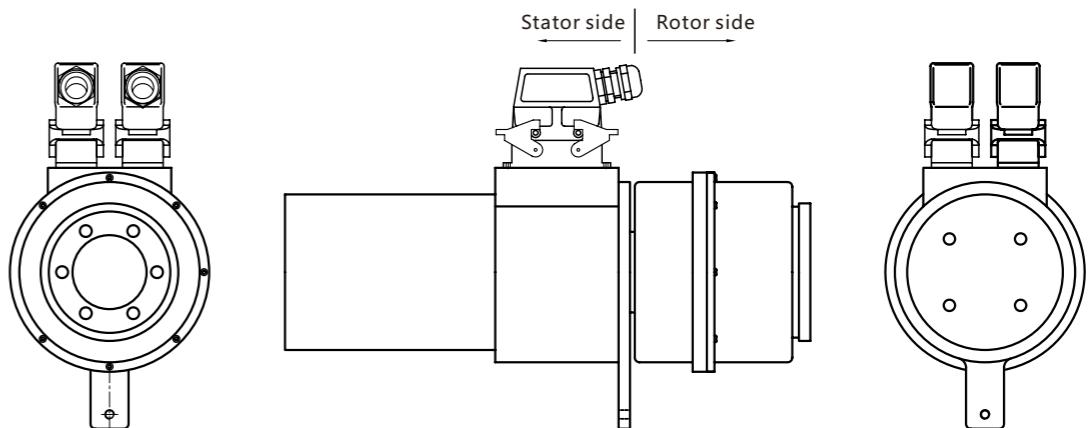
- ▶ Optional temperature control system, fully adapted to a variety of harsh operating environments
- ▶ Designed in accordance with military-grade vibration standards, fully adapted to the vibration environment of the fan
- ▶ Imported contact materials, military grade plating, long wear life, low contact resistance
- ▶ Standard aluminum case and housing

Market Distribution



MF1700-5P-HR1.5 drawing

Request detailed dimensions, pls contact sales@moflon.com



**MF1704-5P-XD1.5/2.0**

XEMC 1.5MW/2.0MW SERIES FAN

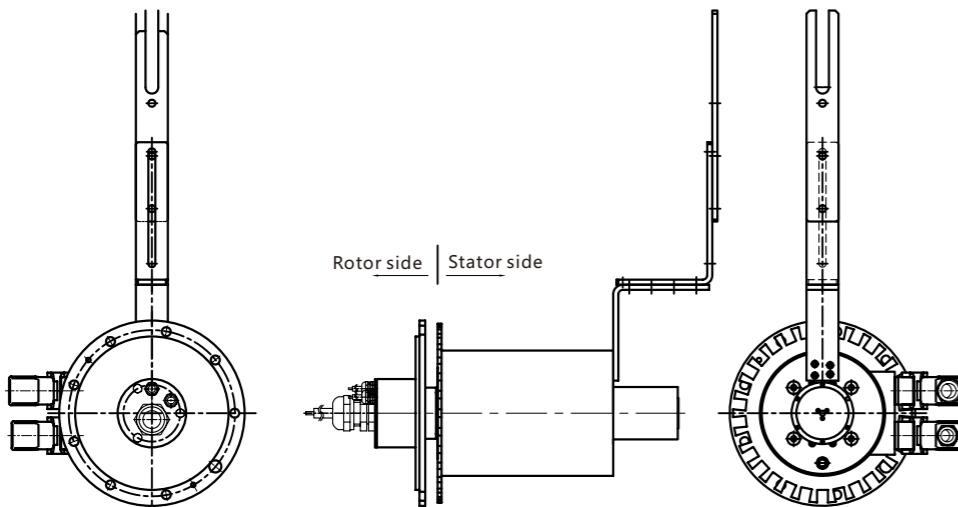
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MF1704-5P-XD1.5/MF1704-5P-XD2.0 drawing

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**MF1721-5P-SS15**

SUZLON 1.5MW SERIES FAN

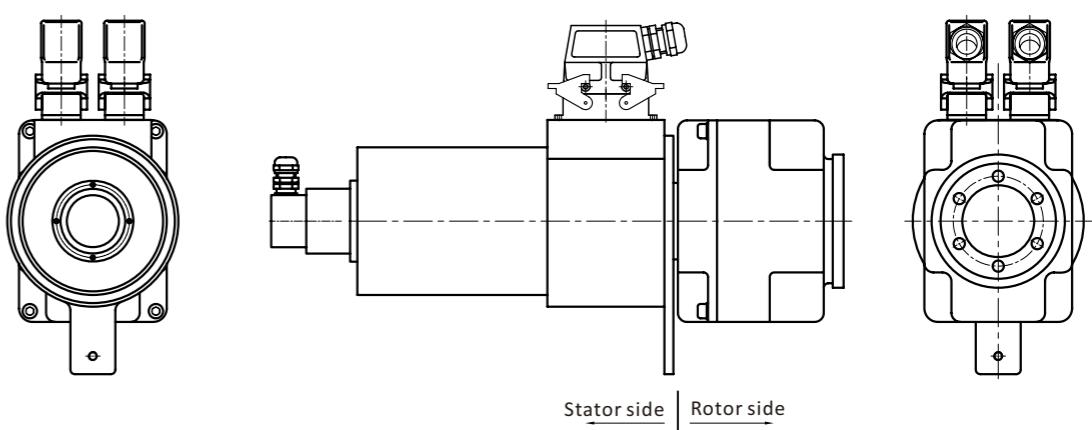
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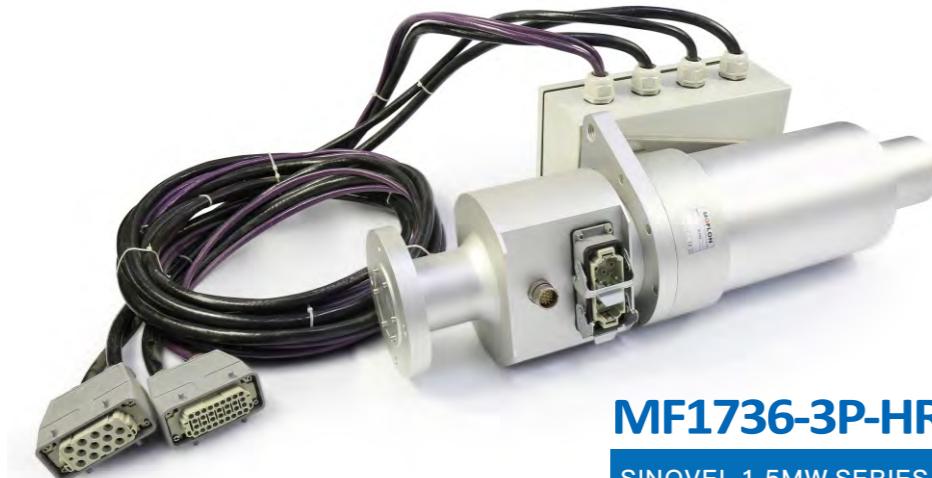
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- ▶ Standard aluminum case and housing

MF1721-5P-SS15 drawing

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**MF1736-3P-HR15**

SINOVEL 1.5MW SERIES FAN

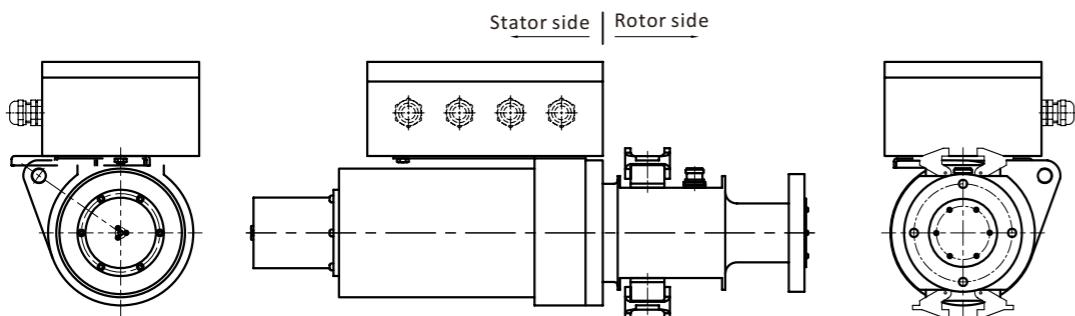
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- ▶ Standard aluminum case and housing

MF1736-3P-HR15 drawing

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**MF1738-3P-HR15**

SINOVEL 1.5MW SERIES FAN

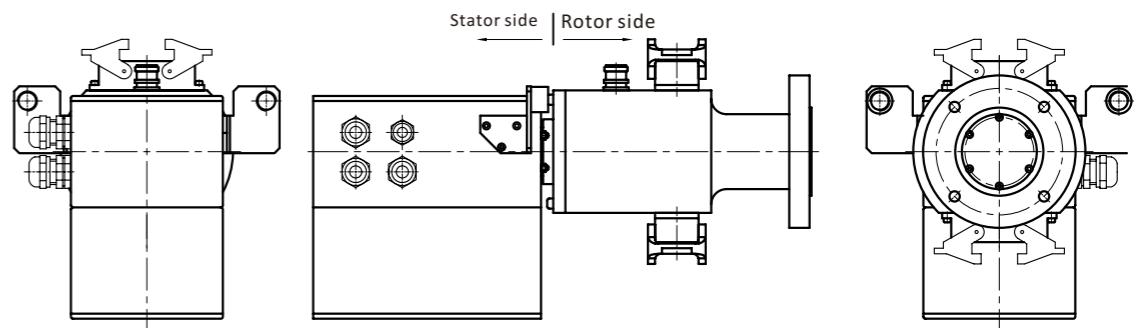
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MF1738-3P-HR15 drawing

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**MF1739-5P-ED15**

NORDEX 1.5MW SERIES FAN

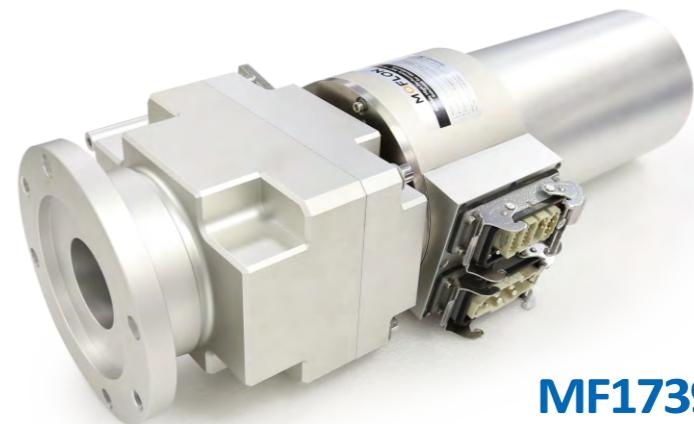
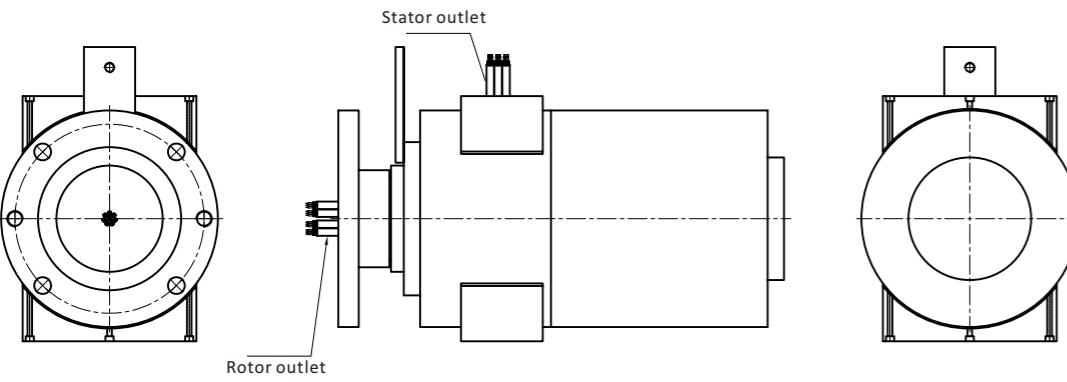
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- ▶ Standard aluminum case and housing

MF1739-5P-ED15 drawing

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**MF1739-5P-ED15/1**

NORDEX 1.5MW SERIES FAN

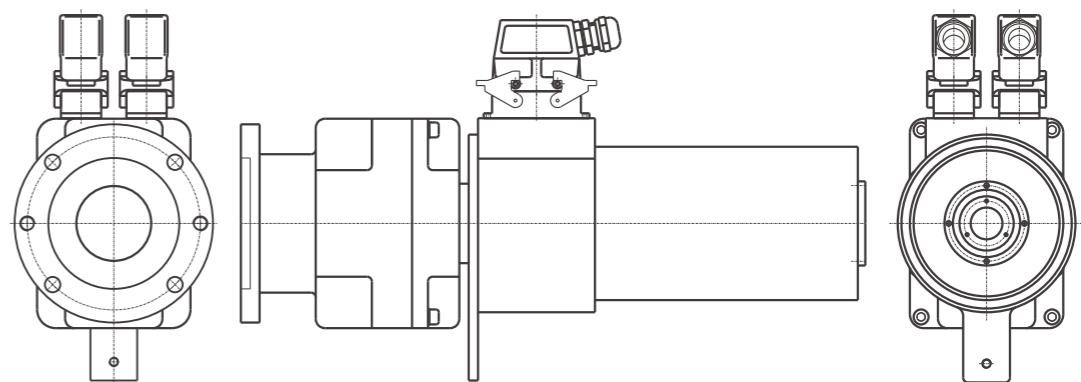
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MF1739-5P-ED15/1 drawing

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**MF1739-5P-ED15/2**

NORDEX 1.5MW SERIES FAN

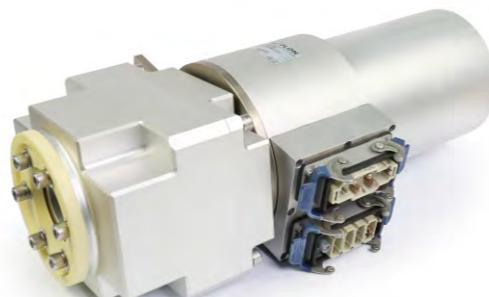
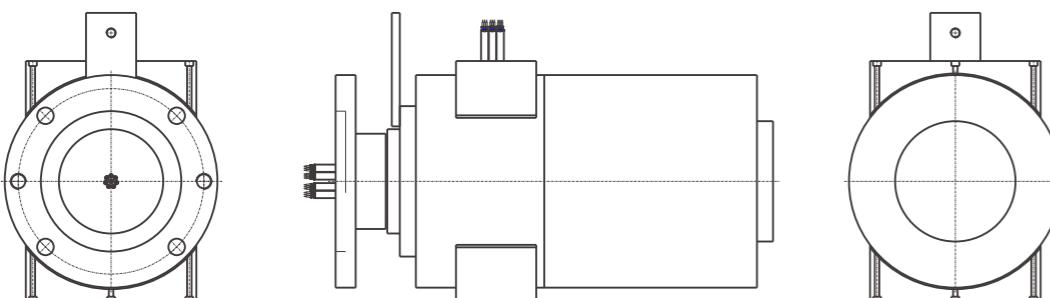
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- ▶ Standard aluminum case and housing

MF1739-5P-ED15/2 drawing

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**MF1737-3P-MY15**

MINGYANG 1.5MW SERIES FAN

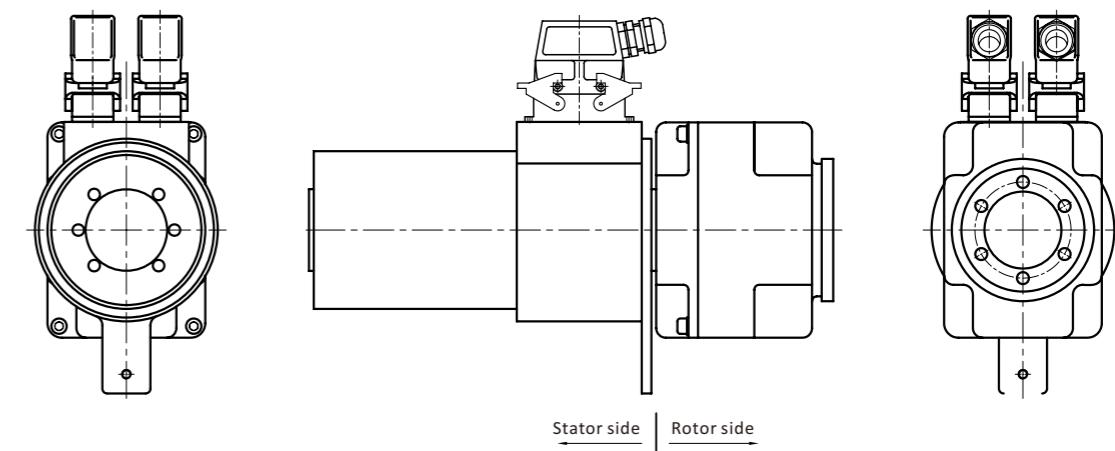
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MF1737-3P-MY15/MF1742-5P-CQ15 drawing

Request detailed dimensions, pls contact sales@moflon.com



**MF1743-5P-JF15**

GOLDWIND 1.5MW SERIES FAN

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**MF1745-3P-NC16**

CRRC 1.65MW SERIES FANS

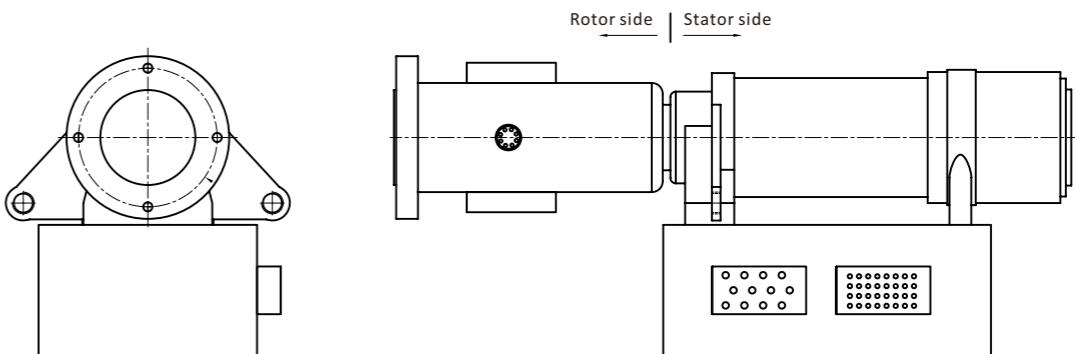
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MF1745-3P-NC16 drawing

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**MF1744-5P-JF15**

GOLDWIND 1.5MW SERIES FAN

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**MF1746-5P-YJ15**

ENVISION 1.5MW SERIES FAN

**MF1746-5P-YJ21**

ENVISION 2.1MW SERIES FAN

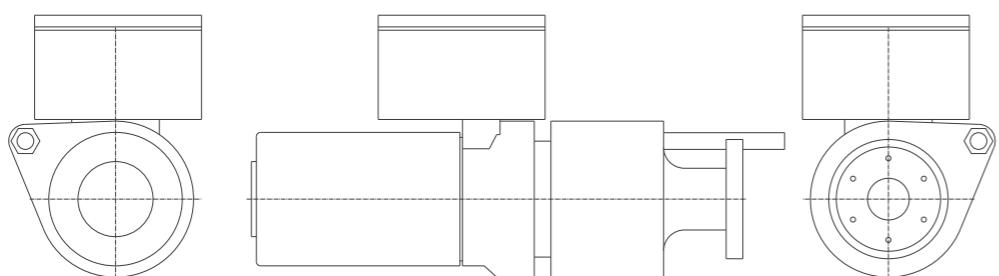
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MF1746-5P-YJ15/MF1746-5P-YJ21 drawing

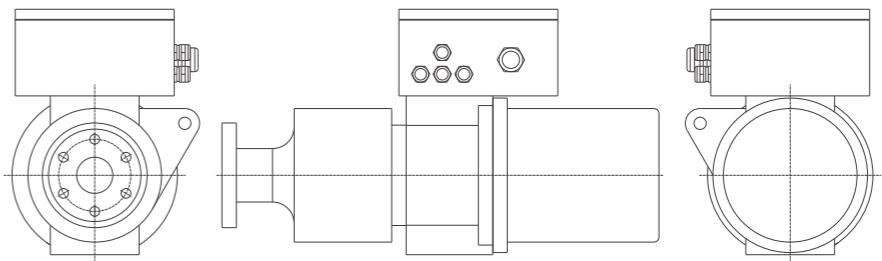
Request detailed dimensions, pls contact sales@moflon.com

**MF1746-5P-YJ23**

ENVISION 2.3MW SERIES FAN

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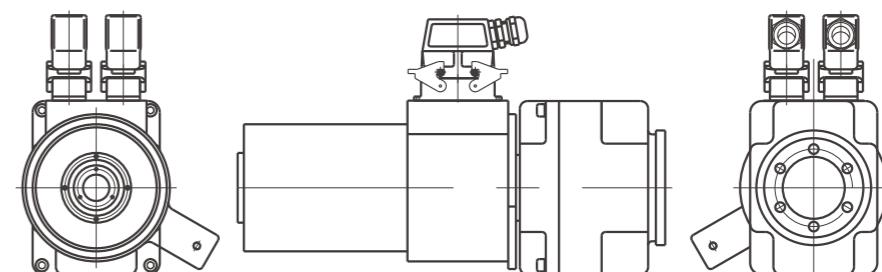
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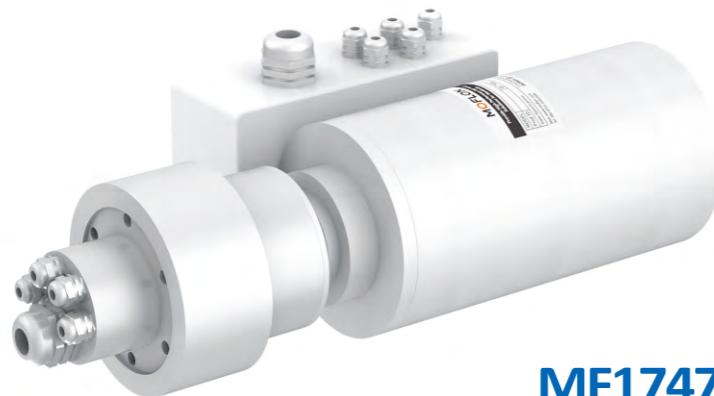
**MF1738-5P-GD20**

UNITE POWERS 2.0MW SERIES FAN

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**MF1747-5P-HC15**

CHINA CREATIVE 1.5MW SERIES FAN

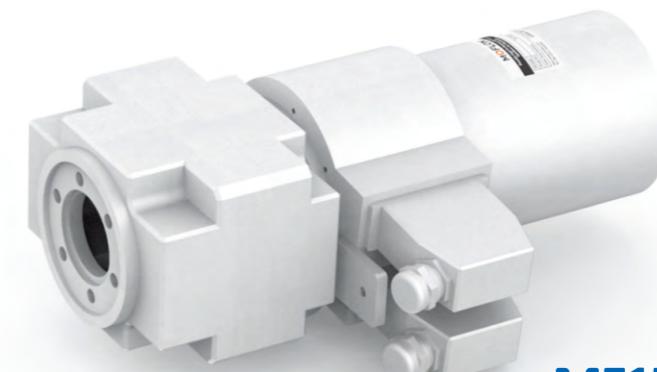
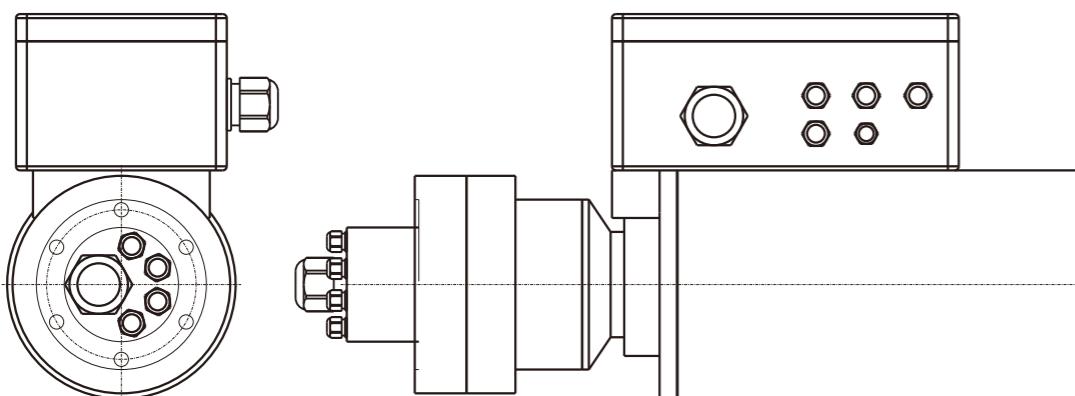
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- ▶ Standard flange configuration, can be well matched with the fan of each manufacturer

- ▶ Optional temperature control system, fully adapted to a variety of harsh operating environments
- ▶ Designed in accordance with military-grade vibration standards, fully adapted to the vibration environment of the fan
- ▶ Imported contact materials, military grade plating, long wear life, low contact resistance
- ▶ Standard aluminum case and housing

MF1747-5P-HC15 drawing

Request detailed dimensions, pls contact sales@moflon.com

**MF1748-5P-DQ15**

ENERGY TREND 1.5MW SERIES FAN

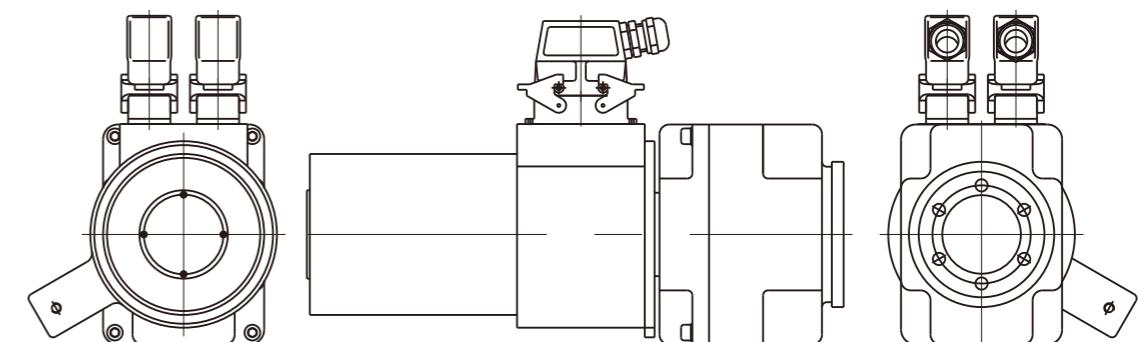
MF series wind turbine pitching slip ring is specially designed for the 1.25-6MW wind turbine. It is also specially designed to meet the special slip ring of China's wind turbine generation system with high reliability. The imported materials are equipped with advanced production equipment and various performance testing systems for wind turbine slip rings, so that MOFLON wind turbine slip rings have good low temperature resistance, high humidity, sand resistance, corrosion resistance, impact resistance, vibration resistance and stable performance. With no maintenance and other features, the service life can reach 20 years or hundreds of millions of revolutions. Options include cable length, connection, encoder model, low voltage + data transfer, high voltage current 300A.

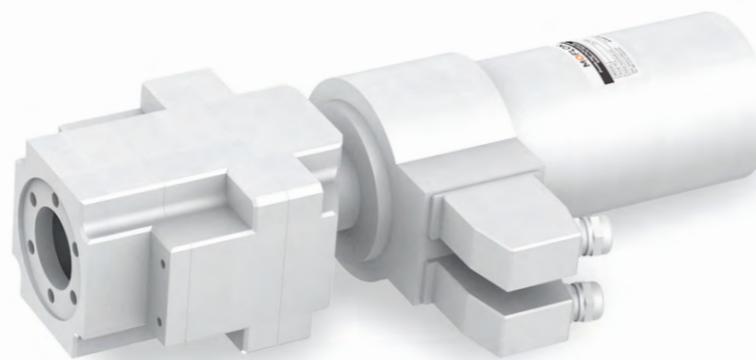
- ▶ Each loop is designed with multi-contact technology for reliable and stable operation
- ▶ Can transfer RS485, CAN-BUS, PROFIBUS, Ethernet and other bus data
- ▶ Anti-dust design, fully meet the dust requirements in desert use
- ▶ Standard flange configuration, can be well matched with the fan of each manufacturer

- ▶ Optional temperature control system, fully adapted to a variety of harsh operating environments
- ▶ Designed in accordance with military-grade vibration standards, fully adapted to the vibration environment of the fan
- ▶ Imported contact materials, military grade plating, long wear life, low contact resistance
- ▶ Standard aluminum case and housing

MF1748-5P-DQ15 drawing

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MF1749-5P-YD15

WINDEY 1.5MW SERIES FANS

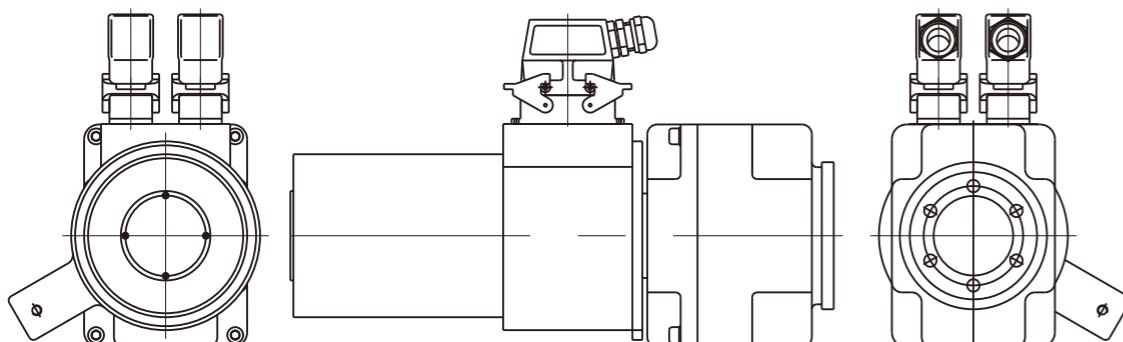
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- ▶ Imported contact materials, military grade plating, long wear life, low contact resistance
- ▶ Standard aluminum case and housing

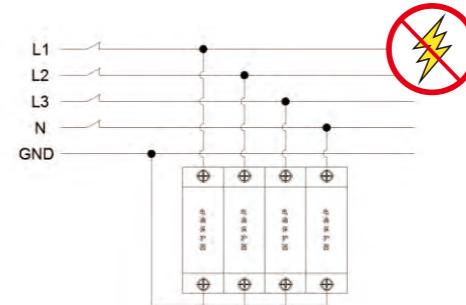
MF1749-5P-YD15 drawing

Request detailed dimensions, pls contact sales@moflon.com



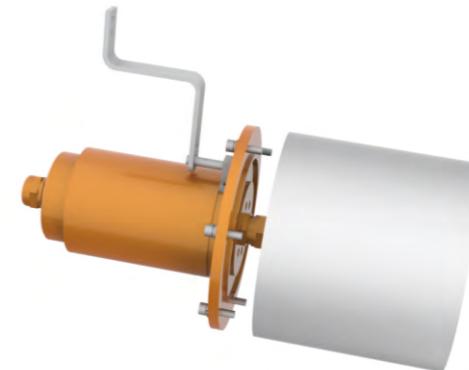
MOFLON MF SERIES WIND TURBINE PITCHING SLIP RING FEATURES

1. Good lightning protection measures



Lightning protection: A surge protector is installed in the circuit. It could limit the instantaneous over-voltage of the power line and the signal transmission line to the voltage range that the equipment or system can withstand, or to discharge a powerful lightning current into the ground to protect the protected equipment or systems are not subject to shock.

2. Stable transmission of control signal and communication signal



3. Easy and simple to install

Easy to install: The slip ring and the rotor outlet are equipped with connectors. When installing, only the corresponding connectors need to be docked to complete the line connection.

4. Concise line

5. The volume is smaller than the traditional wind turbine slip ring

6. Easy maintenance

Easy maintenance: After the slip ring is used for a long time, there will be slight dust and oil in the internal space. The inner casing can be cleaned by unpacking the outer casing. It is not necessary to disassemble the slip ring structure.