



Permanent magnet variable frequency screw air compressor with complete specifications

What is the jx-100apmx pm VSD screw air compressor?

The JX-100APMX PM VSD Screw Air Compressor sets a new standard as the world's first screw air compressor designed for exceptional performance and versatility. With a working exhaust pressure of 0.8 MPa and an exhaust volume of 12.2 m³/min, this single-stage compressor delivers reliable and efficient compressed air for a variety of applications.

What is a single-stage air compressor?

With a working exhaust pressure of 0.8 MPa and an exhaust volume of 12.2 m³/min, this single-stage compressor delivers reliable and efficient compressed air for a variety of applications. Its air-cooled design ensures optimal performance even in demanding conditions, operating seamlessly in ambient temperatures of up to 46°C.

What is a permanent magnet motor?

Achieve an energy-saving effect under any load operation through wide-range inverter control, wide-range control, and e-STOP function. Permanent Magnet motor adopt dual housing design with IP65 protection grade, there have space left for oil channel between the inner housing and outer housing.

What is a screw compressor & cooling system?

Screw Compression Mechanism: It is used for efficient and effective performance in compressor air applications with low energy losses. Cooling System: The air-cooled design is efficient in controlling the operating temperatures, and at the same time the viability of the unit is well enhanced.

What are the advantages of permanent magnet motor?

Permanent magnet motor, save your electricity cost, IP54, B-level temperature rise is suitable for harsh environments such as large dust and high temperature; ? Coupling connection, more energy saving;

What is the speed of a air compressor?

Powered by a robust 75 HP (55 kW) motor, it achieves an impressive speed of 3000 RPM. Built with durability in mind, the compressor measures 1750 x 1240 x 1600 mm and weighs 1096 kg, making it a sturdy and reliable solution for diverse industrial applications.

Key Features: Energy Saving Control: The permanent magnet variable frequency air compressor provides 30-100% linear no-step volume control. According to ...

The utility model provides a permanent magnet variable frequency screw air compressor, which relates to the technical field of air compressors and comprises a box body, wherein an air ...



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Permanent Magnet Screw Compressor Provide compressed air system with high reliability, high efficiency, energy saving, easy maintenance, economical and ...

Kaishan PMVF Series Variable Frequency Screw Air Compressor First class processing and testing equipments for highest precision applications. 1. 34 units of Mitsuiiseiki (Japan) ...

Applications of Permanent Magnet Screw Air Compressor Jufeng air compressor is widely used in all kinds of industries around the world, including electronics, ...

The JX-100APMX PM VSD Screw Air Compressor sets a new standard as the world's first screw air compressor designed for exceptional performance and versatility. With a working exhaust ...

ORMD is a professional air compressor manufacturer of permanent magnet variable speed and two stage compression permanent magnet variable speed air compressor in the market.

I Difference between VFD equipped induction motor drive & permanent magnet motor drive air compressor Rare earth material technology gives higher possible rotating speeds, wider ...

About "Liutech" On April 27, 2002, Sweden's Atlas Copco Group completed the full acquisition of Liuzhou FuDa Machinery Co., Ltd., which was established in 1994. This marked " LIUTECH " ...

Within their wide operating speed range the Permanent Magnet Variable Frequency rotary screw air compressors are able to maintain extremely high motor efficiency compared to those using ...

Additionally, our energy-efficient screw compressor design minimizes leakage and pressure drops, maximizing the compressed air output for the power consumed.As the leading ...

Permanent Magnetic VSD Screw air compressor APM series: The use of permanent magnet materials resistant to 180 degrees high temperature ensures that the permanent magnet unit is ...

Kaishan provides PMV rotary screw air compressors that use modern permanent magnet motors with variable speed drives in single and two-stage variants.

Dream's screw type medium and high pressure micro-oil screw compressor is characterized by high efficiency, quietness, intelligent control, simple ...

(1) Permanent Magnet (PM) motor Exceed IE4 standards Oil-cooled motor variable speed drive IP65 protection (2) New compressor airend New ...



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Permanent magnet variable frequency air compressor has higher efficiency than screw air compressor in terms of energy use. Through the frequency converter to change the motor ...

Medium Pressure Permanent Magnetic Variable Speed Screw Air Compressor Model: DRV-Z Series; Brand: Dream Rated Power: 75~280KW Air Capacity: ...

Rotary screw air compressors with permanent magnet motors are a technological leap over traditional compressors, offering higher efficiency, better energy savings, and a more ...

Nirvana VSD Oil-Free Rotary Screw Air Compressors 55-75 kW Nirvana oil-free air compressors, with a matching variable speed inverter and hybrid permanent magnet (HPM) motor, provide ...

The JX-100APMX PM VSD Screw Air Compressor sets a new standard as the world's first screw air compressor designed for exceptional performance and ...

(1) Permanent Magnet (PM) motor Exceed IE4 standards Oil-cooled motor variable speed drive IP65 protection (2) New compressor airend New improved rotor profile R& D in Japan designed ...

summary Permanent magnet screw variable frequency air compressor is an efficient, energy-saving and stable air compression equipment suitable for a variety of ...

The two-stage compression permanent magnet variable frequency air compressor is suitable for various industrial environments, especially those with high ...

The biggest advantage of permanent magnet variable frequency air compressor is energy saving by 10%~35% in average. It depends on the working condition of the air compressor and the ...

Jaguar's ZLS-Hi+ series compressor is equipped with an IE4 high-efficiency permanent magnet motor. The electromagnetic scheme of the motor is ...

Key Features Energy saving up to 50% that reduces production cost Permanent magnet variable frequency control with a wide adjustment range IP55 electrical motor protection from dust and ...

C series - Permanent Magnet Synchronous VSD Screw Air Compressor Most factories will choose a compressor with 20% higher air volume as they consider pressure loss.

Kaishan's Permanent Magnet Variable Frequency Rotary Screw Air Compressors operate at peak efficiency even with 80% reduction in air output. It also offers far greater integrated control ...



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Additionally, our energy-efficient screw compressor design minimizes leakage and pressure drops, maximizing the compressed air output for the power ...

Feature: Screw block with single stage air compression Advantages: Low compression level Low temperature rise Low air leakage Integrated shaft (direct drive) Benefit: 5% energy saving ...

At present, the air end of our permanent magnet variable frequency screw air compressor are mainly used Hanbell, BSC and Torin. Energy-saving effect of permanent magnet frequency ...

The Permanent Magnet Integrated Variable Frequency Screw Air Compressor is easy to install and operate. The machine is filled with compressor oil when the product leaves the factory. If ...

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