High/Medium/Low Pressure Series Micro Oil Screw Air Compressors

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Aipu
- Model Number: JN
- Minimum Order Quantity: 1PC
- Price: negotiable
- Packaging Details: container
- Delivery Time: 10
- Payment Terms: tt
- Supply Ability: 10t/y

Product Specification

- Exhaust Pressure: 0.15-3.5Mpa
- Displacement: 10.7-100m³/min
- Type: Micro Oil Screw Air Compressor
- Power Source: Electric
- Motor Type: Frequency Conversion

Product Description

Product Description:

The JN series air compressor is a highly efficient, reliable, and intelligent main model of screw air compressor. It integrates core technologies and high-quality components independently developed by Kaishan, aiming to provide stable and clean compressed air for industrial users while significantly reducing operating energy consumption. It is an ideal choice for modern industrial energy-saving renovation and new construction projects.

Core advantages:

Tailored energy-saving products
JN Low Voltage Series

In order to reduce your production costs and carbon emissions, we have specially designed and manufactured energy-saving series low-pressure screw air compressors with nominal exhaust pressures ranging from 0.15Mpa to 0.3Mpa for your industry. Whether it's a new investment or replacing existing screw compressors with exhaust pressures of 0.7-0.8Mpa, our low-pressure screw compressors will save you over 30% on electricity bills.

Efficient host
In order to meet the requirements, the high-efficiency SKY series host specially designed for exhaust pressures ranging from 0.15Mpa to 0.3Mpa is adopted. According to the user's usage pressure, the internal compression ratio is automatically adjusted
Within the exhaust pressure range of 0.2~0.5Mpa, the optimal energy efficiency is maintained.

High reliability
Some models use oil pumps for forced lubrication to ensure sufficient fuel injection and optimal fuel air mixture ratio even at extremely low exhaust pressures.
The ultra large oil separator and oil separator core designed specifically for low pressure effectively ensure lower fuel consumption. The air filter, oil-gas separator, and oil separation core are 100% original from the United States.

Efficient permanent magnet synchronous motor

Using special rare earth permanent magnet materials, it has a wider adjustment range and higher efficiency.
Adopting a fully enclosed structure design with built-in oil cooling system (protection level IP65), it has better reliability, higher efficiency, longer lifespan, and lower noise.
The heat-resistant temperature can reach up to 180 , which is 50% higher than the 120 of similar products in China, ensuring no demagnetization under any circumstances.
Rare earth permanent magnetization has been achieved, resulting in no slip, no electrical excitation, and no fundamental iron or copper losses in the rotor. The electric motor does not need to draw excitation current from the power grid, and its power factor is close to 1.
High speed regulation accuracy, with a speed regulation error of 1/30000, greatly reduces the fluctuation of compressor discharge pressure.

Patent Host

Rotor profile: SKY second-generation rotor profile, high efficiency
Two level compression: corresponding to flexible design and lifting, global invention patent
Maximum pressure up to 4.0Mpa

Cooling system
Oil cooled fan, variable frequency start
Low power consumption and low noise

Control system
High definition touch screen display
Easy to operate and maintain
Friendly interface, capable of displaying multiple lines of running parameters and historical records

High efficiency motor
High starting torque
Insulation level F, protection level IP54
SKF bearings have low noise and long service life

Product Selection Table:

JN Low Voltage Series

Model	Exhaust pressure (Mpa)	Exhaust volume (m^3/min)	Motor Power (KW)	Exhaust interface	Weight(kg)	External dimensions(mm)
JN37-3N	0.3	10.7	37	DN65	880	1780×940×1435
JN37-3G	0.3	10.7	37	DN65	950	1695×1050×1590
JN55-3G	0.3	18.2	55	DN100	2070	2510×1560×1860
JN55-3GA	0.3	19.5	55	DN100	2330	2510×1560×1860
KHE90-3GA	0.3	31.2	90	DN125	2980	2860×1760×2050
KHE90-3.5GA	0.35	31	90	DN125	2980	2860×1760×2050
KHE132-3A	0.3	43.8	132	DN125	6500	3560×2160×2200
*KHE160-3GA	0.3	54.9	160	DN150	4750	3280×2060×2240
*KHE160-3.5GA	0.35	54.6	160	DN150	4750	3280×2060×2240
*KHE250-3GA	0.3	83.5	250	DN150	8000	4390×2200×2350
*KHE250-3.5GA	0.35	83	250	DN150	8000	4390×2200×2350
JN30-5GA	0.5	7.1	37	611/	750	1695×1000×1490
JN45-5GA	0.5	10.8	45	DN65	2150	2450×1460×1580
JN55-5GA	0.5	12.5	55	DN65	2200	2450×1460×1580
JN75-5GA	0.5	17.8	75	DN80	2300	2760×1630×1735
JN90-5GA	0.5	20.8	90	DN80	2260	2760x1630×1735
JN110-5GA	0.5	24.5	110	DN100	3300	3160×1810×2080
JN132-5GA	0.5	30.5	132	DN100	3400	3160×1810×2080
JN160-5GA	0.5	37.2	160	DN100	4200	3310×1980x2230

Note: Indicate "*" as without aftercooling.

PMVF Low Voltage Series

Model	Exhaust pressure (Mpa)	Exhaust volume (m³/min)	Motor Power (KW)	Exhaust interface	Weight(kg)	External dimensions(mm)
PMVF37-3G	0.3	10.7	37	DN65	950	1695×1050×1590
PMVF55-3G	0.3	18.2	55	DN100	2070	2510×1560×1860
PMVF55-3GA	0.3	19.5	55	DN100	2330	2510×1560×1860
PMVF75-3GA	0.3	26.5	75	DN125	2850	2860×1760×2050
PMVF75-3.5GA	0.35	26.3	75	DN125	2850	2860×1760×2050
PMVF75-4GA	0.4	24.2	75	DN125	2850	2860×1760×2050
PMVF90-3GA	0.3	31.2	90	DN125	2900	2860×1760×2050
PMVF90-3.5GA	0.35	31	90	DN125	2900	2860×1760×2050
PMVF90-4GA	0.4	28.5	90	DN125	2900	2860×1760×2050
PMVF110-4GA	0.4	31	110	DN125	2950	2860×1760×2050
PMVF132-3GA	0.3	45.8	132	DN150	4780	3760×2060×2240
PMVF132-3.5GA	0.35	45.5	132	DN150	4780	3760×2060×2240
PMVF132-4GA	0.4	41.9	132	DN150	4780	3760×2060×2240
PMVF160-3GA	0.3	54.9	160	DN150	4860	3760×2060×2240
PMVF160-3.5GA	0.35	54.6	160	DN150	4860	3760×2060×2240
PMVF160-4GA	0.4	50.2	160	DN150	4860	3760×2060×2240
*PMVF55-2.5	0.25	21.5	55	DN100	1820	2510×1560×1860
*PMVF55-1.5	0.15	28.5	55	DN150	3450	2660×2020×2140
*PMVF75-2.5	0.25	28.5	75	DN150	3500	2660×2020×2140
*PMVF90-2.5	0.25	36.5	90	DN150	3550	2660×2020×2140
*PMVF110-1.5	0.15	51.5	110	DN250	6050	4110×2140×2280
*PMVF132-2.5	0.25	51.5	132	DN250	6110	4110×2140×2280
*PMVF160-2.5	0.25	60	160	DN250	6200	4110×2140×2280
*PMVF110-3GA	0.3	37.2	110	DN150	3600	2660×2020×2140
*PMVF132-3GA	0.3	45.8	132	DN150	4380	3280×2060×2240
*PMVF132-3.5GA	0.35	45.5	132	DN150	4380	3280×2060×2240
*PMVF132-4GA	0.4	41.9	132	DN150	4380	3280×2060×2240
*PMVF160-3GA	0.3	54.9	160	DN150	4460	3280×2060×2240
*PMVF160-3.5GA	0.35	54.6	160	DN150	4460	3280×2060×2240
*PMVF160-4GA	0.4	50.2	160	DN150	4460	3280×2060×2240
*PMVF185-3GA	0.3	63.2	185	DN200	6020	4280×2100×2300
*PMVF185-3.5GA	0.35	63.1	185	DN200	6020	4280×2100×2300
*PMVF185-4GA	0.4	57.8	185	DN200	6020	4280×2100×2300
*PMVF200-3GA	0.3	68.2	200	DN200	6140	4280×2100×2300
*PMVF200-3.5GA	0.35	68	200	DN200	6140	4280×2100×2300
*PMVF200-4GA	0.4	62.2	200	DN200	6140	4280×2100×2300
*PMVF220-4GA	0.4	64.8	220	DN200	6220	4280×2100×2300
*PMVF250-3GA	0.3	83.5	250	DN250	7620	4540×2200×2350
*PMVF250-3.5GA	0.35	83.5	250	DN250	7620	4540×2200×2350
*PMVF250-4GA	0.4	76.8	250	DN250	7620	4540×2200×2350
*PMVF280-4GA	0.4	83.3	280	DN250	7750	4540×2200×2350
*PMVF315-3GA	0.3	100	315	DN250	8480	4640×2200×2500
*PMVF400-4GA	0.4	100	400	DN250	8480	4640×2200×2500
PMVF55-5GE	0.5	12.3	55	DN65	1520	2450×1460×1580
PMVF75-5GE	0.5	17.5	75	DN80	1850	2760×1630x1735
PMVF90-5GE	0.5	20.5	90	DN80	1930	2760×1630×1735
PMVF110-5GE	0.5	24.2	110	DN100	3200	3160×1810×2080

Note: Indicate "*" as without aftercooling. Models with a capacity of 132KW and above come standard with no aftercooling.

KHE Medium Voltage Series

Model	Exhaust pressure (Mpa)	Exhaust volume (m³/min)	Motor Power (KW)	Exhaust interface	Weight(kg)	External dimensions(mm)
KHE90-18	1.8	11.6	90	DN50	2800	2480×1520×1820
KHE110-18	1.8	13.75	110	DN65	3550	3000×1690×2050
KHE132-18	1.8	16.5	132	DN65	3600	3000×1690×2050
KHE160-18	1.8	20.8	160	DN65	4800	3565×1915×2320
KHE185-18	1.8	24	185	DN65	4850	3565×1915×2320
KHE200-18	1.8	25.2	200	DN65	4920	3565×1915×2320
KHE200-20	2	23.85	200	DN65	5230	3565×1915×2320

JN High Voltage Series

Model	Exhaust pressure (Mpa)	Exhaust volume (m³/min)	Motor Power (KW)	Exhaust interface	Weight(kg)	External dimensions(mm)
JN200W-25	2.5	20	200	DN65	5300	3440×1860×2230
JN200W-35	3.5	16	200	DN65	5300	3440×1860×2230
JN250W-25	2.5	26	250	DN65	6100	3440×1860×2230
JN250W-35	3.5	21	250	DN65	6100	3440×1860×2230
JN315W-25	2.5	31	315	DN80	6500	3760×2260×2260
JN315W-35	3.5	26	315	DN80	6500	3760×2260×2260
JN400W-25	2.5	39	400	DN80	7400	3760×2260×2260
JN400W-35	3.5	32	400	DN80	7400	3760×2260×2260

Applications:

1.Manufacturing industry (the most core application field)

The manufacturing industry is the largest user of compressed air, and the JN series excels in this field with its stability and energy efficiency.

Automobile manufacturing:

Spraying and coating: Provide a pure, oil-free and stable air source for the spray gun to ensure the quality of the paint surface.

Component assembly: Drive pneumatic wrenches, screwdrivers and other assembly tools to improve production efficiency and accuracy.

Stamping and welding: Providing power for stamping machines and welding robots, it is a key link in automated production lines.

Testing and Inspection: Used for leak detection, component airtightness testing, etc.

Electronic and Electrical Manufacturing:

PCB board printing and cleaning: extremely high cleanliness compressed air is required to blow the circuit board and drive precision components.

Semiconductor production: In chip packaging, testing, and other processes, there are strict requirements for the oil content and dryness of the air (usually requiring post-processing equipment).

Home appliance assembly: Drive pneumatic robotic arms, packaging machinery, etc. on the production line.

Hardware and Mechanical Processing:

CNC machining center: used for tool replacement, workpiece clamping, cleaning iron filings, and cooling workpieces.

Casting and forging: providing power for pneumatic hammers, sand processing equipment, and molding machines.

Sheet metal processing: driving gas assisted systems (such as blowing) and pneumatic punching machines in laser cutting machines.

2.Chemical and pharmaceutical industries

These industries have extremely high requirements for the quality of compressed air, especially oil-free and sterile.

Chemical production:

Material conveying: conveying powder and granular raw materials.

Process: Used for reactor stirring, instrument air control, gas displacement, etc.

Liquid mixing: Mixing in a storage tank through aeration.

Pharmaceutical and Biotechnology:

Drug packaging: Drive blister packaging machines, filling equipment, etc.

Fermentation aeration: providing sterile air for biological fermentation tanks (requiring strict sterilization and filtration).

Laboratory equipment: provides gas sources for various analytical instruments.

3.Food and Beverage Industry

Compressed air often comes into direct or indirect contact with products in this industry, so strict requirements are placed on air quality (oil-free, waterless, odorless).

Beverage filling: used for cleaning bottles and cans, filling equipment, and labeling machines.

Food packaging: Drive packaging machinery, vacuum packaging machines, sealing machines.

Production process: Used for mixing, fermenting, cooling, and transporting raw materials (such as flour, sugar, and other powdered materials).

4.Energy and Mining

The environment is relatively harsh, requiring air compressors to be sturdy, durable, and able to adapt to high temperature and high dust conditions.

Mining: providing power for underground rock drills, pickaxes, pneumatic pumps and other equipment.

Thermal power generation: used for instrument control, flue gas desulfurization, fly ash transportation, and equipment blowing.

Oil and gas exploration: providing instrument air and control air sources.

5.Infrastructure Construction and Engineering

It is mostly used in mobile or semi fixed situations, requiring high equipment reliability.

Tunnel and bridge construction: providing gas sources for shield tunneling machines, grouting equipment, and pneumatic tools.

Highway and railway construction: used for pile drivers, cement pavement crushing, etc.

6.Other light industries

Textile industry: used for jet looms, yarn mixing, and conveying.

Wood processing: Drive pneumatic nail guns and polishing equipment.

Glass manufacturing: used for bottle blowing and production line control.

Support and Services:

Our Micro oil screw air compressor product comes with comprehensive technical support and services to ensure that our customers are satisfied with their purchase. Our team of experts is available to provide assistance with installation, operation, and maintenance of the product. We also offer repair and replacement services for any faulty parts or components. Additionally, we provide training and educational resources to help our customers maximize the performance and lifespan of their Micro oil screw air compressor.

Packing and Shipping:

Product Packaging:
The Micro oil screw air compressor comes in a sturdy cardboard box with the product image and specifications printed on the outside. Inside, the product is securely packaged with foam inserts to prevent any damage during transportation.
Shipping:
Our standard shipping time is 3-5 business days. For expedited shipping, please contact our customer service team. We ship via trusted carriers such as UPS, FedEx, and USPS and provide a tracking number for your convenience.

FAQ:

Q: What is the brand name of this product?
A: The brand name of this product is Aipu.
Q: What is the model number of this product?
A: The model number of this product is Micro oil screw air compressor.
Q: Where is this product made?
A: This product is made in China.
Q: Does this product have any certifications?
A: Yes, this product is certified by ce.ul.
Q: What is the minimum order quantity for this product?
A: The minimum order quantity for this product is 1pc.
Q: Is the price of this product negotiable?
A: Yes, the price of this product is negotiable.
Q: What is the packaging details for this product?
A: The packaging details for this product is container.
Q: How long is the delivery time for this product?
A: The delivery time for this product is 10 days.
Q: What are the payment terms for this product?
A: The payment terms for this product is tt.
Q: What is the supply ability of this product?
A: The supply ability of this product is 10000t/y.

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