



Industrial Micro Oil Screw Air Compressor 55-355kW 0.5-1.25Mpa

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: 0.5-1.25Mpa
- Displacement: 13.7-92.6m³/min
- Type: Micro Oil Screw Air Compressor
- Power Source: Electric
- Motor Power: 55-355kW
- Highlight: **Industrial grade oil screw air compressor**

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Product Description

Product Description:

The JN series air compressor is an efficient and energy-saving screw type air compressor, mainly designed for the stable air source and energy-saving needs in the industrial field. Adopting permanent magnet frequency conversion or power frequency drive technology, matched with independently developed screw host, significantly reduces energy consumption and meets the national first level energy efficiency standard. Suitable for medium to high load conditions in manufacturing, mining, construction, etc., providing continuous and stable compressed air.

Core advantages:

Excellent energy efficiency

The JN screw air compressor, designed by dozens of technicians from the Seattle North American R&D center with the patented "Y" line as its core, has achieved international leading performance and provides more reliable energy-saving and environmental protection solutions for various industries, shaping a model of energy conservation and emission reduction in the industry.

Core technology



JN two-level series host

Compared to Level 2 energy efficiency products, Level 1 energy efficiency saves 10-15% of electricity, and the JN two-stage series achieves Level 1 energy efficiency from 75KW to 630kW.

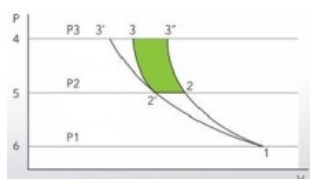
Energy saving principle

By using a two-stage compression host and two sets of SKY screw rotors of different sizes, reasonable pressure distribution is achieved, thereby reducing the compression ratio.

Characteristics of low compression ratio

Reduced internal leakage and improved volumetric efficiency

Greatly reducing the load on the bearings, improving their lifespan, and extending the lifespan of the main engine



12'3' is an isothermal compression process

123 is the first level compression process

122'3 is a two-stage compression process

The green part is the energy-saving part

Compared to single-stage compression, two-stage compressors are more inclined towards isothermal compression, saving power of 2'-33 "area compared to one-stage compression

Efficient intake valve

National patented intake valve

Through 5 million cycles of life testing

Large caliber, low pressure drop

The check valve closes quickly to prevent oil and gas from spraying out of the main engine

Special motor

High starting torque

Multiple specifications of motors available for selection

SKF bearings have low noise and long service life

Equipped with refueling device, refueling can be done without stopping the machine

Customized display and control integrated touch screen

High definition touch screen display

Friendly and intuitive interface, user-friendly menu structure design, easy to query and maintain

Can display multiple lines of running parameters and historical records

Cooling system

Low power consumption and low noise

Efficient axial flow cooling fan

Adopting intake and exhaust noise reduction design

Product Selection Table:

JN two-stage electric solid series

Model	Exhaust pressure (Mpa)	Exhaust volume (m ³ /min)	Motor Power (KW)	Exhaust interface	Weight (kg)	External dimensions(mm)
JN100-6-II	0.6	16.55	75	DN65	2200	2760×1630×1735
JN100-7-II	0.7	15.80	75	DN65	2200	2760×1630×1735
JN100-8-II	0.8	14.65	75	DN65	2200	2760×1630×1735
JN100-10-II	1.0	13.70	75	DN65	2200	2760×1630×1735
JN120-6-II	0.6	21.68	90	DN80	2720	2760×1630×1735
JN120-7-II	0.7	20.15	90	DN80	2720	2760×1630×1735
JN120-8-II	0.8	19.25	90	DN65	2700	2760×1630×1735
JN120-10-II	1.0	16.48	90	DN65	2700	2760×1630×1735
JN150-6-II	0.6	25.54	110	DN80	3300	2930×1810×1800
JN150-7-II	0.7	24.02	110	DN80	3300	2930×1810×1800
JN150-8-II	0.8	23.00	110	DN80	3300	2930×1810×1800
JN150-10-II	1.0	20.10	110	DN80	3300	2930×1810×1800
JN180-6-II	0.6	32.88	132	DN100	4380	3160×1810×2080
JN180-7-II	0.7	28.55	132	DN100	3560	2930×1810×2080
JN180-8-II	0.8	26.90	132	DN80	3460	2930×1810×1800
JN180-10-II	1.0	23.94	132	DN80	3460	2930×1810×1800
JN215-6-II	0.6	38.07	160	DN100	4900	3310×1980×2100
JN215-7-II	0.7	36.60	160	DN100	4900	3310×1980×2100
JN215-8-II	0.8	34.31	160	DN100	4900	3310×1980×2100
JN215-10-II	1.0	28.46	160	DN100	4900	3310×1980×2100
JN250-6-II	0.6	45.26	185	DN100	5040	3310×1980×2230
JN250-7-II	0.7	41.10	185	DN100	4950	3310×1980×2100
JN250-8-II	0.8	39.80	185	DN100	4950	3310×1980×2100
JN250-10-II	1.0	34.31	185	DN100	4950	3310×1980×2100
JN270-6-II	0.6	47.90	200	DN100	5050	3310×1980×2230
JN270-7-II	0.7	45.28	200	DN100	5050	3310×1980×2230
JN270-8-II	0.8	43.12	200	DN100	5000	3310×1980×2100
JN270-10-II	1.0	36.60	200	DN100	5000	3310×1980×2100
JN295-6-II	0.6	55.90	220	DN100	6350	3510×2160×2250
JN295-7-II	0.7	50.26	220	DN100	6350	3510×2160×2250
JN295-8-II	0.8	47.48	220	DN100	5680	3510×2160×2250
JN295-10-II	1.0	41.02	220	DN100	5680	3510×2160×2250
JN335-6-II	0.6	59.70	250	DN125	6930	3510×2160×2250
JN335-7-II	0.7	56.00	250	DN125	6930	3510×2160×2250
JN335-8-II	0.8	52.50	250	DN100	6550	3510×2160×2250
JN335-10-II	1.0	45.00	250	DN100	6550	3510×2160×2250
JN375-6-II	0.6	64.80	280	DN125	7260	4110×2310×2350
JN375-7-II	0.7	62.40	280	DN125	7260	4110×2310×2350
JN375-8-II	0.8	59.50	280	DN125	7260	4110×2310×2350
JN375-10-II	1.0	55.70	280	DN125	7260	4110×2310×2350
JN420-6-II	0.6	73.30	315	DN125	8460	4110×2370×2525
JN420-7-II	0.7	66.70	315	DN125	8460	4110×2370×2525
JN420-8-II	0.8	64.80	315	DN125	7360	4110×2310×2350
JN420-10-II	1.0	59.10	315	DN125	7360	4110×2310×2350
JN475-6A-II	0.6	77.00	355	DN125	8560	4110×2370×2525
JN475-7A-II	0.7	73.20	355	DN125	8560	4110×2370×2525
JN475-8A-II	0.8	69.90	355	DN125	7460	4110×2310×2350
JN475-10A-II	1.0	62.10	355	DN125	7460	4110×2310×2350
JN475-6-II	0.6	80.90	355	DN150	11550	4350×2200×2580
JN475-7-II	0.7	77.20	355	DN150	11550	4350×2200×2580
JN475-8-II	0.8	73.00	355	DN150	11550	4350×2200×2580
JN475-10-II	1.0	64.50	355	DN150	10630	4350×2200×2580
JN535-7-II	0.7	86.70	400	DN150	11680	4350×2200×2580
JN535-8-II	0.8	80.50	400	DN150	11680	4350×2200×2580
JN535-10-II	1.0	73.20	400	DN150	11680	4350×2200×2580
JN600-8-II	0.8	92.60	450	DN150	11800	4350×2200×2580
JN600-10-II	1.0	80.20	450	DN150	11800	4350×2200×2580

The above is the air-cooled series. If you need a water-cooled model (with a maximum capacity of 630KW), please consult our sales team.

JN two-stage compression 5bar series

Model	Exhaust pressure (Mpa)	Exhaust volume (m³/min)	Motor Power (KW)	Exhaust interface	Weight (kg)	External dimensions(mm)
JN75-5-II	0.5	14.7	55	DN65	1840	2450×1460×1580
JN100-5-II	0.5	19.89	75	DN80	2760	2760×1730×1900
JN120-5-II	0.5	25.56	90	DN80	2840	2760×1730×1900
JN150-5-II	0.5	30.34	110	DN100	4120	3310×1980×2100
JN180-5-II	0.5	34.65	132	DN100	4780	3310×1980×2100
JN215-5-II	0.5	43.1	160	DN125	5380	3510×2160×2280
JN250-5-II	0.5	48.2	185	DN125	6250	3510×2160×2280
JN270-5-II	0.5	50.47	200	DN125	6300	3510×2160×2280
JN295-5-II	0.5	59.66	220	DN150	7400	3560×2350×2350
JN335-5-II	0.5	64.76	250	DN150	7500	3560×2350×2350

JN series mining safety products

Model	Exhaust pressure (Mpa)	Exhaust volume (m³/min)	Motor Power (KW)	Exhaust interface	Weight (kg)	External dimensions(mm)
DLGF 23/8-132(C)	0.8	23	132	DN80	3300	2950x1830×1800
DLGF 27/8-160(C)	0.8	27	160	DN80	3460	2950×1830x1800
DLGF 21/12.5-160(C)	1.25	21.5	160	DN80	3460	2950x1830x1800
DLGF 34.5/8-185(C)	0.8	34.5	185	DN100	4900	3310x1980×2100
DLGF 25/12.5-185(C)	1.25	25.5	185	DN100	4900	3310x1980x2100
DLGF 40/8-220(C)	0.8	40	220	DN100	4950	3310×1980x2100
DLGF 30/12.5-220(C)	1.25	30	220	DN100	4300	3310×1980×2100
DLGF 43/8-220(C)	0.8	43	220	DN100	5000	3310×1980x2100
DLGF 47.5/8-250(C)	0.8	47.5	250	DN100	5680	3500×2160x2250
DLGF 41/10-250(C)	1	41	250	DN100	5680	3500×2160×2250
DLGF 52.5/8-280(C)	0.8	52.5	280	DN100	6550	3500×2160×2250
DLGF 59.5/8-315(C)	0.8	59.5	315	DN125	7260	4100×2310x2350
DLGF 65/8-355(C)	0.8	65	355	DN125	7260	4100×2310x2350

Applications:

(1) Manufacturing industry

Automotive/component manufacturing: used for spraying, assembly, pneumatic tools, stamping and other processes.

Electronic appliances: circuit board cleaning, injection molding, precision instrument processing.

Textile industry: Airflow spinning, weaving machine power, printing and dyeing equipment.

(2) Engineering and Architecture

Mining: Drive equipment such as rock drills and pneumatic picks.

Construction: Provide compressed air for concrete spraying and pile foundation engineering.

Road maintenance: Use in conjunction with tools such as breakers and rollers.

(3) Chemical/Energy

Petrochemical industry: pipeline blowing, instrument control, gas transportation.

Power industry: Instrument gas supply and equipment maintenance for power plants.

(4) Food and Medicine

Food packaging: filling, labeling, sterile air supply.

Pharmaceutical industry: drug drying, fermentation tank ventilation (requires oil-free models).

(5) Other industrial scenarios

Metallurgical industry: blast furnace injection, metal smelting.

Wood processing: pneumatic nail gun, wood drying.

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:

We provide transportation services for micro oil screw air compressors worldwide. 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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