



Variable Frequency Drive Air Compressor

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: Aipu
- Model Number: BK/BKX/BMVF/GVT/PVGX
- Minimum Order Quantity: 1PC
- Price: negotiable
- Packaging Details: container
- Delivery Time: 10
- Payment Terms: tt
- Supply Ability: 10000t/y



Product Specification

- Exhaust Pressure: 0.65-0.9Mpa
- Displacement: 1.0-24m³/min
- Type: BMVF Micro Oil Screw Air Compressor
- Power Source: Electric
- Motor Power: 7.5-132kW

Product Description

Product Description:

The BMVF series is a permanent magnet variable frequency screw air compressor that integrates cutting-edge technology, designed specifically for mid to high end industrial users who pursue ultimate energy efficiency, stability, reliability, and low operating costs. It is not only an air power source, but also an intelligent solution for you to achieve energy conservation, reduce consumption, and enhance production competitiveness.

Core advantages:

Ultimate energy saving: Using efficient permanent magnet synchronous motors and advanced variable frequency drive technology, it can save up to 30% -40% more energy than ordinary frequency air compressors.

Stable and reliable: Selected core components and optimized system design ensure long-term stable operation of equipment under harsh working conditions, reducing unplanned downtime.

Silent and environmentally friendly: The box design combined with internal noise reduction technology significantly reduces operating noise, creating a more comfortable working environment.

Intelligent control: Humanized intelligent controller, real-time monitoring, intelligent adjustment and remote management, allowing device management to be fully mastered.

Constant pressure gas supply: The pressure is stable and the fluctuation range can be controlled within ± 0.1 bar, providing high-quality and stable gas source for gas equipment.

Detailed description:

1. Core technology: Efficient permanent magnet variable frequency drive system

Efficient Permanent Magnet Synchronous Motor (PM Motor): Made of rare earth permanent magnet materials, it does not require excitation current and has an efficiency of up to IE5 ultra-high efficiency level. High starting torque, fast response speed, and excellent efficiency even under partial load.

Intelligent frequency conversion control system: According to actual gas demand, the motor speed can be infinitely adjusted to achieve "on-demand gas supply". Completely avoiding energy waste caused by frequent loading and unloading of power frequency air compressors.

2. Excellent performance and reliability

Efficient host: adopting a large rotor, low-speed design, optimized profile, high volumetric efficiency, long bearing life, ensuring the compression core is durable and long-lasting.

Optimized system design: adopting internal oil and gas pipeline optimization design to reduce pressure loss; Efficient cooling system ensures that the machine operates at optimal temperature, prolonging the life of lubricating oil and components.

High quality components: Key components such as intake valves, oil separators, temperature control valves, etc. are all selected from internationally renowned brands to ensure the overall quality of the machine from the source.

3. Intelligent and convenient control experience

Large screen intelligent controller: high-definition LCD display screen, which can display all key parameters such as pressure, temperature, current, and operating status in real time.

Multi intelligent protection: equipped with multiple safety protection functions such as overload, overheating, phase loss, and overpressure, ensuring human-machine safety.

Networking and remote monitoring (optional): Supports IoT functionality, allowing users to remotely monitor device operation status, fault alarms, and energy consumption data through a PC or mobile app, achieving predictive maintenance.

4. Humanized and environmentally friendly design

Box type soundproof design: Fully enclosed/semi enclosed box, covered with high-efficiency sound-absorbing materials inside, effectively isolating noise. The operating noise is as low as 62-68 dB (A), far below the national standard of 82 dB (A).

Convenient maintenance: The side opening or top opening door panel design provides ample maintenance space, and daily maintenance parts such as oil filters and air filters are within reach, greatly reducing maintenance time.

Compact structure: Integrated design, small footprint, convenient for factory layout and installation.

Product Selection Table:

BK series

Product Model	Exhaust pressure(Mpa)	Exhaust volume(m³/min)	Motor power(KW)	Exhaust interface	Weight(kg)	External dimensions(mm)
BK7.5-8G	0.8	1.2	7.5	G3/4	200	800×620×800
BK7.5-9G	0.8	1.1	7.5	G3/4	200	800×620×800
BK11-8G	0.8	1.7	11	G1	280	1000×670×1090
BK15-8G	0.8	2.4	15	G1	280	1000×670×1090
BK15-8	0.8	2.4	15	G1	270	700×670×1250
BK15-10	1.0	2.2	15	G1	270	700×670×1250
BK15-13	1.3	1.7	15	G1	270	700×670×1250
BK22-8G	0.8	3.5	22	G1	390	1200×800×1120
BK22-10G	1.0	3.2	22	G1	390	1200×800×1120
BK22-13G	1.3	2.7	22	G1	390	1200×800×1120
BK30-8G	0.8	5.0	30	G1 1/2	470	1340×850×1280
BK30-10G	1.0	4.4	30	G1 1/2	470	1340×850×1280
BK30-13G	1.3	3.6	30	G1 1/2	470	1340×850×1280
BK37-8G	0.8	6.0	37	G1 1/2	560	1340×850×1280
BK37-10G	1.0	5.4	37	G1 1/2	560	1340×850×1280
BK37-13G	1.3	4.6	37	G1 1/2	560	1340×850×1280
BK45-8G	0.8	7.1	45	G1 1/2	720	1480×1030×1340
BK45-10G	1.0	6.2	45	G1 1/2	720	1480×1030×1340
BK45-13G	1.3	5.6	45	G1 1/2	720	1480×1030×1340
BK55-8G	0.8	10.0	55	G1 1/2	790	1480×1030×1340
BK55-10G	1.0	7.2	55	G1 1/2	790	1480×1030×1340
BK55-13G	1.3	6.2	55	G1 1/2	790	1480×1030×1340
BK75-8G	0.8	13.0	75	G2	1200	1800×1190×1710
BK90-8G	0.8	16.0	90	G2	1240	1800×1190×1710
BK110-8T	0.8	21.0	110	DN65	1630	2100×1230×1730
BK110-8G	0.8	21.0	110	DN65	1680	2100×1230×1730
BK132-8T	0.8	24.0	132	DN65	1670	2100×1230×1730
BK132-8G	0.8	24.0	132	DN65	1750	2100×1230×1730
KS175A-8F	0.8	24.0	132	DN65	1470	1800×1230×1670
KS150-8-II	0.8	22.0	110	DN65	1950	2100×1230×1730
KS175-8-II	0.8	25.0	132	DN65	1990	2100×1230×1730

BKX series

Product Model	Exhaust pressure(Mpa)	Exhaust volume(m³/min)	Motor power(KW)	Exhaust interface	Weight(kg)	External dimensions(mm)
BKX7.5-8	0.8	1.2	7.5	G1	470	1310×720×1650
BKX7.5-10	1.0	1.0	7.5	G1	470	1310×720×1650
BKX7.5-13	1.3	0.8	7.5	G1	470	1310×720×1650

BMVF permanent magnet

series

Product Model	Exhaust pressure(Mpa)	Exhaust volume(m³/min)	Motor power(KW)	Exhaust interface	Weight(kg)	External dimensions(mm)
BMVF7.5	0.65-0.9	1.00-1.25	7.5	G3/4	170	880×510×800
BMVF11	0.65-0.9	1.50-1.82	11	G1	220	1000×670×1090
BMVF15	0.65-0.9	2.05-2.35	15	G1	250	1000×670×1090
BMVF22	0.65-0.9	2.95-3.95	22	G1	330	1200×800×1120
BMVF37	0.65-0.9	5.05-6.35	37	G1 1/2	500	1340×850×1280
BMVF45	0.65-0.9	6.45-8.2	45	G1 1/2	660	1480×1030×1365
BMVF55	0.65-0.9	8.20-9.85	55	G1 1/2	710	1480×1030×1365
BMVF75	0.65-0.9	10.50-13.10	75	G2	1170	1800×1190×1710
BMVF90	0.65-0.9	12.50-15.50	90	G2	1180	1800×1190×1710
BMVF110	0.65-0.8	22.0	110	DN65	1770	2700×1230×1730
BMVF132	0.65-0.8	24.0	132	DN65	1860	2700×1230×1730

GVT permanent magnet

series

Product Model	Exhaust pressure(Mpa)	Exhaust volume(m³/min)	Motor power(KW)	Exhaust interface	Weight(kg)	External dimensions(mm)
GVT7.5	0.65-0.9	0.95-1.20	7.5	G3/4	170	880×510×800
GVT15	0.65-0.9	2.05-2.35	15	G1	160	820×670×940
GVT22	0.65-0.9	2.95-3.95	22	G1	240	1010×760×1000
GVT37	0.65-0.9	5.05-6.35	37	G1 1/2	360	1190×850×1230
GVT45	0.65-0.9	6.45-8.2	45	G1 1/2	485	1250×970×1300
GVT55	0.65-0.9	8.20-9.85	55	G1 1/2	565	1250×970×1300

BK series miningsafety products

Product Model	Exhaust pressure(Mpa)	Exhaust volume(m³/min)	Motor power(KW)	Exhaust interface	Weight(kg)	External dimensions(mm)
DLGF6/8-37 (B)	0.8	6.0	37	G1 1/2	560	1340×850×1280
DLGF7/8-45 (B)	0.8	7.0	45	G1 1/2	720	1480×1030×1340
DLGF8/8-55 (B)	0.8	9.6	55	G1 1/2	790	1480×1030×1340
DLGF13/8-75 (B)	0.8	13.0	75	G2	1200	1800×1190×1710
DLGF14/8-90 (B)	0.8	14.0	90	G2	1240	1800×1190×1730
DLGF21/8-132 (B)	0.8	21.0	132	DN65	1680	2100×1230×1730
DLGF24/8-160 (B)	0.8	24.0	160	DN65	1750	2100×1230×1730

PVGX twin-screw laser

dedicated unit

Product Model	Exhaust pressure(Mpa)	Exhaust volume(m³/min)	Motor power(KW)	Exhaust interface	Weight(kg)	External dimensions(mm)
PVGX7.5-16	1.6	0.6	7.5	G1 3/4	450	1570×620×1390
PVGX15-16	1.6	1.5	15	G1 3/4	540	1890×660×1550
PVGX22-16	1.6	2.2	22	G1	720	1890×735×1790

Applications:

The BMVF series is widely used in industries that have high requirements for compressed air quality, stability, and energy consumption:

Manufacturing industry: automobiles, electronics, home appliances, precision machining

Chemical and pharmaceutical: Process flow requiring stable, oil-free or low oil content gases

Food and Beverage: Packaging, Filling, Mixing

Textile industry: jet looms, automation instruments

Energy and Mining: Control Instruments, Equipment Power

The core value brought to customers:

Significant energy-saving benefits: It is the first choice for customers to carry out energy-saving renovation or new construction projects of air compression stations, with a short investment return period.

Stable and reliable gas source: ensuring the continuity of the production process and the stability of product quality.

Reduce maintenance costs: Better operating conditions and intelligent monitoring have reduced failure rates and component losses.

Green environmental protection: reducing carbon emissions, in line with the national policy orientation of energy conservation and emission reduction.

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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