



Excellent performance BMVF industrial air compressor

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: Aipu
- Model Number: BMVF
- 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 an intelligent variable frequency micro oil screw air compressor that integrates variable frequency drive technology. This series of products is designed for industrial scenarios with large fluctuations in gas consumption and extremely high requirements for pressure stability. By using a frequency converter to accurately adjust the motor speed in real time, it matches the actual gas demand and achieves unparalleled energy-saving effects and extremely stable air pressure control. It is the core equipment for modern intelligent factories to achieve energy conservation, consumption reduction, and improve production quality.

Core advantages:

Ultimate energy-saving effect (core advantage)

On demand gas supply: The frequency converter monitors the pipeline pressure in real time, automatically adjusts the motor speed and gas output, completely eliminating the huge energy waste during the loading and unloading process of ordinary power frequency air compressors. The average energy saving rate can reach 15% -35%.

Soft start/soft stop: Variable frequency drive ensures that the starting current of the motor is less than the rated current, without any impact on the power grid, while reducing mechanical impact and extending equipment life.

No unloading power consumption: Almost eliminates the no-load loss of the power frequency air compressor in the unloaded state during partial load operation.

Constant pipeline pressure

Precise pressure control: Using PID closed-loop control algorithm, the pressure fluctuation of the pipeline network can be controlled within a very narrow range of ± 0.1 bar, providing an absolutely stable gas source for gas equipment and significantly improving product production quality and process accuracy.

Excellent intelligent control

Advanced frequency conversion control system: equipped with high-performance frequency converter and intelligent controller, seamlessly integrated. Real time display of key data such as operating frequency, current, speed, and energy consumption.

Multi mode operation: Multiple operation modes such as fixed pressure, energy-saving mode, and remote control can be set according to user needs.

Cloud Interconnection: Standard IoT interface, supporting remote monitoring, fault warning, energy consumption analysis, and big data management on mobile apps and PCs, easily integrated into the Industry 4.0 system.

Excellent reliability inheritance

High performance host: Inheriting the efficient and reliable screw host design of the BK series, ensuring operational efficiency over a wide speed range.

High quality electrical components: using well-known brands of frequency converters, filters, and high-efficiency motors to ensure long-term stable operation of the frequency conversion system.

Independent cooling system: Based on the heating characteristics of the frequency converter, an independent forced cooling system is designed to ensure that the temperature inside the frequency converter cabinet is always at a suitable level, guaranteeing the service life of core components.

More environmentally friendly and quieter

Low noise operation: During periods of low gas consumption, the motor speed decreases and the overall operating noise significantly decreases, improving the working environment.

Green emission reduction: By significantly reducing energy consumption, it indirectly reduces carbon dioxide emissions, which is in line with national green manufacturing and carbon neutrality policies.

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	1960	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 particularly suitable for situations with large fluctuations in gas load, such as:

Automobile manufacturing: There are significant differences in gas consumption for different processes such as spraying, blowing, and assembly lines.

Electronic manufacturing: SMT surface mount machines, PCB board cleaning, testing stations, etc. require extremely stable pressure.

Textile industry: The gas consumption of jet looms is intermittent and high-intensity.

Food and beverage: frequent start stop of filling, packaging, mixing and other processes.

Plastic processing: The opening and closing of molds, injection molding, and other actions of injection molding machines cause instantaneous changes in gas consumption.

Any factory that has a situation of "big horses pulling small cars".

Summary: The BMVF series is not just an air compressor, it is a precise compressed air supply system. If your factory's gas consumption is constantly changing, then the BMVF series is a tailor-made energy-saving tool for you. Through intelligent and refined control, it minimizes your air compression costs.

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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