



## Industrial air compressors with low noise and improved working environment

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 screw air compressor that integrates permanent magnet synchronous motor and high-efficiency variable frequency drive technology. It represents the latest achievements of Aipu air compressors in energy conservation, intelligence, and reliability, designed specifically for mid to high end industrial users, aiming to significantly reduce the total cost of ownership of compressed air systems for users through significant energy-saving effects, stable air pressure control, and intelligent management.

### Core advantages:

#### 1. Ultimate energy saving, reducing operating costs

Permanent magnet synchronous motor: Made of high-performance neodymium iron boron permanent magnet material, the motor efficiency reaches the IE5 ultra-high efficiency level, which is 5% -10% higher than traditional asynchronous motors. No excitation loss, high starting torque, and more obvious advantages under partial load.

Advanced variable frequency drive: automatically and accurately adjust the motor speed and exhaust volume according to actual gas demand, achieving "on-demand gas supply".

Eliminating no-load energy consumption: Avoiding energy waste of power frequency machines under no-load conditions.

Reduce starting current: Soft start function, starting current is less than rated current, with minimal impact on the power grid.

Significant energy-saving effect: Compared with ordinary power frequency air compressors, the energy-saving rate can generally reach 30% -40%, and the investment payback period is short.

#### 2. Constant pressure stability improves process quality

Accurate pressure control: Frequency conversion technology ensures stable outlet pressure, and the pressure fluctuation range can be controlled within  $\pm 0.1$  bar.

Advantages: Providing a continuous and stable gas source for precision pneumatic tools, automation equipment, and high demand production processes, reducing product defect rates caused by pressure fluctuations, and improving overall production quality.

#### 3. Intelligent control, easy to operate

Intelligent control system: equipped with high-definition Chinese display human-machine interface, real-time monitoring of operating status, operating parameters, and fault information.

Multiple control modes: supports multiple operating modes such as constant voltage, constant capacity, sleep, etc., to adapt to different working conditions.

Remote monitoring function (optional): Supports IoT module, which can remotely monitor the operation of the air compressor through a mobile app or computer, achieving predictive maintenance and centralized management.

#### 4. Reliable and durable, with low maintenance costs

Efficient host: Adopting Kaishan's independently developed "Gulun" high-efficiency line host, the line is optimized, with small leakage and high volumetric efficiency, ensuring long-term reliability.

High quality cooling system: large-sized plate fin cooler, optimized air duct design to ensure good cooling effect even in high temperature environments, extending the life of lubricating oil and components.

Integrated design: The host, motor, and cooling system are integrated into a compact structure with low vibration and noise.

Convenient maintenance: The side door or large panel design makes daily maintenance parts such as air filters, oil filters, and oil separators within easy reach, reducing downtime for maintenance.

#### 5. Environmentally friendly and low-noise, improving the working environment

Low noise operation: Optimized chassis design and internal sound-absorbing materials result in significantly lower operating noise compared to machines of the same level, creating a more comfortable working environment.

Environmentally friendly materials: Use long-lasting environmentally friendly lubricants to reduce the impact on the environment.

### Product Selection Table:

BK series

| Product Model | Exhaust pressure(Mpa) | Exhaust volume(m <sup>3</sup> /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                   | 8.6                    | 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:

Industrial manufacturing: widely used in industries such as mechanical processing, automotive manufacturing, and electronic equipment manufacturing, providing power for various pneumatic tools and production line equipment.

Mining: In mining, it can be used to drive equipment such as rock drills and pickaxes for ore mining and tunnel excavation.

Construction: Suitable for concrete mixing, spraying, door and window installation and other operations in construction, providing compressed air for construction equipment.

Medical and health: In hospitals, clinics and other medical and health institutions, it can be used to drive dental equipment, ventilators and other medical devices to ensure the normal operation of medical work.

Transportation: It can be used in transportation fields such as car maintenance and tire inflation, providing convenience for vehicle maintenance and repair.

## 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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