



Yixing Aipu Air System Equipment Co., Ltd

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Micro oil screw air compressor with overload protection

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: 0.8-1.6Mpa
- Displacement: 0.6-25m³/min
- Type: BK Micro Oil Screw Air Compressor
- Power Source: Electric
- Motor Power: 7.5-132kW
- Highlight: **micro oil screw air compressor,
air compressor with overload protection,
oil screw compressor with warranty**

Product Description

Product Description:

The BK series is a high-performance and highly reliable micro oil screw air compressor. It is designed to meet the needs of medium and large industrial users for stable, efficient, and clean compressed air. This series of products integrates advanced screw host technology, intelligent control systems, and efficient integrated design, aiming to provide users with the lowest total cost of ownership (TCO). It is an ideal power source for modern factories, manufacturing, energy, chemical and other fields.

Core advantages:

Excellent efficiency and energy saving

Efficient host: Adopting a new generation of asymmetric profile screw rotors, the profile has been optimized for high volumetric efficiency and lower energy consumption.

High quality motor: equipped with high-efficiency energy-saving (IE3/IE4 level) motor, high power factor, smooth start-up, and reliable operation.

Intelligent control system: Built in intelligent controller that can automatically adjust the exhaust volume according to actual gas demand (such as loading and unloading, capacity adjustment or frequency conversion control), avoiding unnecessary energy waste.

Excellent reliability and durability

Heavy duty design: Key components such as the main engine, oil and gas tank, and cooler are all reinforced to ensure long-term stable operation of the equipment under harsh working conditions.

Top grade bearings and seals: Using internationally renowned brand bearings and high-quality seals greatly extends the service life of the host and the entire machine.

Excellent cooling system: large-sized plate fin cooler, optimized air duct design to ensure low operating temperature even in high temperature environments and prevent performance degradation.

High quality air output

Micro oil technology: Excellent oil and gas separation system, using multi-stage separation (mechanical centrifugation+high-efficiency oil and gas separation filter element), with extremely low oil content in the outlet air (can stably reach ≤ 3 ppm, some models are even higher), providing cleaner compressed air and protecting backend gas equipment.

Built in energy-saving air filter: designed with low intake resistance and large dust holding capacity, it can effectively protect the host from dust erosion.

Intelligent control and humanized operation

Intelligent controller: Large screen color touch screen (or Chinese LCD display), real-time monitoring of all key parameters such as pressure, temperature, operating status, maintenance reminders, etc.

Remote monitoring: Supports communication interfaces such as RS485, Modbus, Ethernet, etc., making it easy to connect to factory Internet of Things (IIoT) systems for remote monitoring, data collection, and centralized management.

Fault diagnosis and protection: It has multiple safety protection functions (such as overload, overtemperature, overpressure, phase loss), and can automatically record fault information for easy and quick troubleshooting.

Convenient maintainability

One stop maintenance point: Daily maintenance components such as oil filters, air filters, and oil separation cores are centrally arranged, and can be accessed by opening the door (or side panel), making replacement easy and fast, reducing downtime.

Low maintenance cost: The long-life design and high-quality consumables extend maintenance intervals, effectively reducing long-term maintenance costs.

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
DLGF8.6/8-55 (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:

Manufacturing industry: automobile manufacturing, electronic appliances, hardware processing, textile and chemical fiber

Energy and Chemical Industry: Mining, Power Plants, Petrochemical, Fertilizer Production

Infrastructure construction: Bridge and tunnel construction, building materials production (cement, glass)

Food and medicine: (requiring backend purification equipment) Beverage filling, pharmaceutical manufacturing

Other: Any industrial scenario that requires a large amount of stable and clean compressed air

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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