



Yixing Aipu Air System Equipment Co., Ltd

aipukqdl.com



## 7.5-75kW Micro Oil Screw Air Compressor 7-16barg 0.51-13.4m<sup>3</sup>/min

Our Product Introduction

### Basic Information

- Place of Origin: China
- Brand Name: Aipu
- Model Number: GDK07-75kW
- Minimum Order Quantity: 1PC
- Price: negotiable
- Packaging Details: container
- Delivery Time: 10
- Payment Terms: tt
- Supply Ability: 10000t/y



### Product Specification

- Exhaust Pressure: 7-16barg
- Air Flow: 0.51-13.4m<sup>3</sup>/min
- Type: Micro Oil Screw Air Compressor
- Rated Power: 7.5kW-75kW
- Noise Level: ≤80dB(A)
- Weight: 169-1482kg
- Highlight: **7.5-75kW screw air compressor, oil screw air compressor 7-16barg, micro air compressor 0.51-13.4m<sup>3</sup>/min**

for more products please visit us on [aipukqdl.com](http://aipukqdl.com)

## Product Description

### Product Description:

GDK07-75KW is an efficient and energy-saving micro oil screw air compressor designed specifically for the industrial sector, suitable for applications that require high compressed air quality but allow for trace oil content. This model adopts Dengfu's advanced screw host technology and intelligent control system, providing a stable, reliable, and energy-saving compressed air solution.

### Core Features:

#### Excellent Host



Adopting Ingersoll Rand host for comprehensive performance improvement

Geometric and lubrication optimization of gears to achieve lower noise and higher reliability

Dynamic simulation optimization of the intake and exhaust channels of the host to reduce pressure drop and improve efficiency

#### Innovative design

Intake: The perfect combination of high-efficiency intake filter and ultra-low pressure loss intake valve reduces pressure loss and improves efficiency

Drive: Adopting IEC standard high-efficiency motor, gear direct transmission mode, no vulnerable parts, more efficient

Exhaust: The convenient top exhaust device can easily guide the air, making it easy to eliminate or recover waste heat

#### Intelligent control



Touch screen color display

Embedded IoT functionality

Multi machine joint control

Standard Modbus, remote/local monitoring

#### Multi detection security protection

Host exhaust temperature detection

Pressure detection before and after oil separation

Maintenance Tips

#### Variable frequency energy-saving

No peak starting current, completely eliminating energy consumption during unloading

Variable frequency starting current is low and has no impact on the power grid, which is particularly important for users in unstable areas of the power grid. Variable frequency control maintains the pressure band within 0.1 bar without the need for large gas storage tanks

The pressure will not exceed the required value, and there is no energy waste

The low starting torque of the motor has minimal impact on mechanical components, resulting in a longer service life of mechanical components (such as bearings). The torque is transmitted according to actual needs without wasting excess energy

#### Safe motor (power frequency unit)



IP55 closed motor (F-class insulation, B-class temperature rise), effectively dustproof and water-resistant

Can operate continuously and stably in an environment of 55 °C/131 °F

#### Permanent magnet motor (frequency converter unit)



Compared with asynchronous motors, rare earth permanent magnet motors have a simpler structure

Single, reliable operation, high power density, wide speed range, it is the ideal power choice for high-efficiency and energy-saving air compressors

efficient

Small size and light weight

Low noise  
High starting torque  
Start without impact  
Wide speed range  
Configure efficient IE5, IP66 oil cooled permanent magnet variable frequency motor, achieving H-level insulation and B-level temperature rise.  
**Connection method of host motor**  
GDK07-22 power frequency unit adopts belt connection  
GDK30-75 power frequency unit adopts gear direct connection  
GDK07-75 permanent magnet frequency converter unit adopts coaxial connection

Application area

Manufacturing industry: automobiles, mechanical processing, injection molding, spraying, etc  
Food&Medicine: Packaging, Filling, Pneumatic Conveying (with post-processing required)  
Electronics industry: SMT surface mount, precision instrument manufacturing  
Other: Mining, construction, textile, etc

Product functions and specifications

Model	Power kW	Exhaust pressurebar(g)	Volume flow m³/min	External dimensions (L x W x H)mm	Weight kg	Interface size BSPT
GDK07 75Power frequency unit parameters						
GDK07-7A	7.5	7	1.22	716 x 677 x 1061	222	G3/4
GDK07-8A	7.5	8	1.14	716 x 677 x 1061	222	G3/4
GDK07-10A	7.5	10	1	716 x 677 x 1061	222	G3/4
GDK07-12.5A	7.5	12.5	0.81	716 x 677 x 1061	222	G3/4
GDK11-7A	11	7	1.69	716 x 677 x 1061	225	G3/4
GDK11-8A	11	8	1.58	716 x 677 x 1061	225	G3/4
GDK11-10A	11	10	1.41	716 x 677 x 1061	225	G3/4
GDK11-12.5A	11	12.5	1.23	716 x 677 x 1061	225	G3/4
GDK15-7A	15	7	2.5	984 x 1017 x 1065	465	G1
GDK15-8A	15	8	2.4	984 x 1017 x 1065	465	G1
GDK15-10A	15	10	2.07	984 x 1017 x 1065	465	G1
GDK15-12.5A	15	12.5	1.7	984 x 1017 x 1065	465	G1
GDK18-7A	18.5	7	3.1	993 x 1020 x 1118	509	G1
GDK18-8A	18.5	8	3	993 x 1020 x 1118	509	G1
GDK18-10A	18.5	10	2.61	993 x 1020 x 1118	509	G1
GDK18-12.5A	18.5	12.5	2.15	993 x 1020 x 1118	509	G1
GDK22-7A	22	7	3.7	993 x 1020 x 1118	524	G1
GDK22-8A	22	8	3.6	993 x 1020 x 1118	524	G1
GDK22-10A	22	10	3.08	993 x 1020 x 1118	524	G1
GDK22-12.5A	22	12.5	2.72	993 x 1020 x 1118	524	G1
GDK30-7A	30	7	5.43	1544 x 884 x 1405	697	G1 1/2
GDK30-8A	30	8	5.21	1544 x 884 x 1405	697	G1 1/2
GDK30-10A	30	10	4.7	1544 x 884 x 1405	697	G1 1/2
GDK37-7A	37	7	6.5	1544 x 884 x 1405	742	G1 1/2
GDK37-8A	37	8	6	1544 x 884 x 1405	742	G1 1/2
GDK37-10A	37	10	5.5	1544 x 884 x 1405	742	G1 1/2
GDK45-7A	45	7	8.23	1544 x 884 x 1405	870	G1 1/2
GDK45-8A	45	8	8	1544 x 884 x 1405	870	G1 1/2
GDK45-10A	45	10	6.8	1544 x 884 x 1405	870	G1 1/2
GDK55-7A	55	7	10.6	1969 x 1234 x 1605	1472	G2
GDK55-8A	55	8	9.8	1969 x 1234 x 1605	1472	G2
GDK55-10A	55	10	8.6	1969 x 1234 x 1605	1472	G2
GDK75-7A	75	7	13.4	1969 x 1234 x 1605	1482	G2
GDK75-8A	75	8	13	1969 x 1234 x 1605	1482	G2
GDK75-10A	75	10	11.3	1969 x 1234 x 1605	1482	G2
GDK07 75HPMPParameters of permanent magnet frequency conversion unit						
GDK07HPM-A	7.5	7-12.5	0.15-1.18	840 x 680 x 810	169	G3/4"
GDK11HPM-A	11	7-12.5	0.15-1.65	840 x 680 x 810	182	G3/4"
GDK15HPM-A	15	7-12.5	0.92-2.54	900 x 800 x 1300	325	G1"
GDK18HPM-A	18.5	7-12.5	0.92-3.12	900 x 800 x 1300	340	G1"
GDK22HPM-A	22	7-12.5	0.92-3.66	900 x 800 x 1300	342	G1"
GDK30HPM-A	30	7-10	2.00-5.60	1544 x 884 x 1405	618	G1 1/2
GDK37HPM-A	37	7-10	2.00-6.80	1544 x 884 x 1405	628	G1 1/2
GDK45HPM-A	45	7-10	2.00-8.10	1544 x 884 x 1405	629	G1 1/2
GDK55HPM-A	55	7-10	2.00-10.10	1969 x 1234 x 1605	839	G2
GDK75HPM-A	75	7-10	2.00-12.60	1969 x 1234 x 1605	859	G2

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:

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.

**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 30 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



**Yixing Aipu Air System Equipment Co., Ltd**



13771572002



183426306@qq.com



aipukqdl.com

Yixing Yicheng Street Hardware Electromechanical City, Phase I, Block 5, District 3, 8071