



7.5-75kW Permanent Magnet Variable Frequency Screw Air Compressor

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: Aipu
- Model Number: GDK-S 7-75kW
- Minimum Order Quantity: 1PC
- Price: negotiable
- Packaging Details: container
- Delivery Time: 10
- Payment Terms: tt
- Supply Ability: 100t/y



Product Specification

- Exhaust Pressure: 7-16barg
- Air Flow: 0.38-13.63m³/min
- Type: Permanent Magnet Variable Frequency Air Compressor
- Rated Power: 7.5kW-75kW
- Noise Level: ≤80dB(A)
- Weight: 160-886kg
- Highlight: 7.5-75kW permanent magnet air compressor , variable frequency screw air compressor , industrial permanent magnet compressor

Product Description

Product Description:

GDK-S-7-75KW 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:

Efficient Drive System

The host is precision manufactured, sturdy and durable
Coaxial connection of the host motor for higher transmission efficiency
Without gearbox and coupling, the drive system structure is more stable

Oil cooled permanent magnet synchronous motor

High quality permanent magnets are selected, which can withstand temperatures up to 180 .
The rotor has no excitation current, significantly improving efficiency.
The starting current is small, reducing the impact on the power grid.
Good performance indicators, with approximately constant efficiency and power factor.

Powerful frequency converter

Built in frequency converter, unique air duct design, stable and reliable
Adopting cutting-edge vector control technology, it has excellent low-frequency speed characteristics and dynamic response characteristics, and complete protection functions, which can achieve comprehensive protection from the frequency converter to the motor
Safe lightning protection design with built-in lightning overcurrent protection device effectively enhances the self-protection capability of the frequency converter against induced lightning

The S series permanent magnet frequency converter brings you Start smoothly

No peak starting current
Completely eliminating energy consumption during unloading and reducing the burden on electrical components
The low starting current of frequency conversion has no impact on the power grid, which is particularly important for users in factories located in unstable areas of the power grid

Stable output pressure

Variable frequency control maintains the pressure band within 0.1 bar without the need for a large gas storage tank
The pressure will not exceed the required value, and there is no energy waste

No startup impact

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

IConn Intelligent Connected Cloud

Unit operating parameter report and reporting function
Real time data based monitoring of unit operation status, fault alarms, and event notifications
Problem diagnosis based on predictive analysis
Energy consumption and reliability diagnostic analysis
Real time operational data can be obtained anytime, anywhere
Powerful data analysis helps the operation and maintenance team maintain the ideal operational performance of the air compressor and reduce the risk of downtime due to malfunctions
Equipment maintenance notifications help ensure equipment reliability and extend service life
Real time monitoring provides useful data and facilitates communication, thereby improving productivity and mechanical efficiency
Sending proactive service alerts via email; Regularly provide regular data and access it through an online customer portal
If there is an abnormal situation with the compressor, your Ingersoll Rand authorized service provider will immediately receive an alarm and respond proactively, ensuring that your assets are safe and sound
New devices of specific models can be included as standard equipment at the factory, or existing devices can be upgraded as part of the CARE service contract

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	Rated pressurebar(g)	Volume flow m ³ /min	External dimensions (L x W x H)mm	Weight kg	Interface size EN10226 Female
GDK07HPM-7S	7.5	7	0.39-1.18	660×640×1153	160	G3/4
GDK07HPM-8S	7.5	8	0.38-1.30	660×640×1153	160	G3/4
GDK07HPM-10S	7.5	10	0.40-0.83	660×640×1153	160	G3/4
GDK11HPM-7S	11	7	0.44-1.78	660×640×1153	175	G3/4
GDK11HPM-8S	11	8	0.44-1.70	660×640×1153	175	G3/4
GDK11HPM-10S	11	10	0.52-1.33	660×640×1153	175	G3/4
GDK15HPM-7S	15	7	0.57-2.67	800×1000×1140	222	G1
GDK15HPM-8S	15	8	0.45-2.46	800×1000×1140	222	G1
GDK15HPM-10S	15	10	0.81-2.10	800×1000×1140	222	G1
GDK15HPM-16S	15	16	0.73-1.13	800×1000×1140	200	G1
GDK22HPM-7S	22	7	0.93-4.06	800×1000×1140	270	G1
GDK22HPM-8S	22	8	0.91-3.75	800×1000×1140	270	G1
GDK22HPM-10S	22	10	1.00-3.10	800×1000×1140	270	G1
GDK22HPM-16S	22	16	1.43-2.10	800×1000×1140	250	G1
GDK30HPM-7S	30	7	1.99-6.00	1275×860×1500	528	G1-1/4
GDK30HPM-8S	30	8	1.68-5.60	1275×860×1500	528	G1-1/4
GDK30HPM-10S	30	10	1.71-4.52	1275×860×1500	528	G1-1/4
GDK37HPM-7S	37	7	1.70-6.93	1275×860×1500	528	G1-1/4
GDK37HPM-8S	37	8	1.57-6.50	1275×860×1500	528	G1-1/4
GDK37HPM-10S	37	10	1.73-5.73	1275×860×1500	480	G1-1/4
GDK37HPM-13S	37	13	1.68-4.63	1275×860×1500	480	G1-1/4
GDK37HPM-16S	37	16	2.36-4.02	1275×860×1500	480	G1-1/4
GDK55HPM-7S	55	7	2.89-10.60	1475×1075×1645	850	G2
GDK55HPM-8S	55	8	2.75-10.17	1475×1075×1645	850	G2
GDK55HPM-10S	55	10	3.23-9.06	1475×1075×1645	850	G2
GDK75HPM-7S	75	7	3.90-13.63	1475×1075×1645	886	G2
GDK75HPM-8S	75	8	3.85-12.80	1475×1075×1645	886	G2
GDK75HPM-10S	75	10	4.33-11.76	1475×1075×1645	886	G2

Packing and Shipping:

Product Packaging:

The Permanent magnet variable frequency 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 Permanent magnet variable frequency 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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