

GDK Series Oil Lubricated Screw Air Compressor

7-75kW



Reliable Smart Original

SmartCost
Partnership : Solution

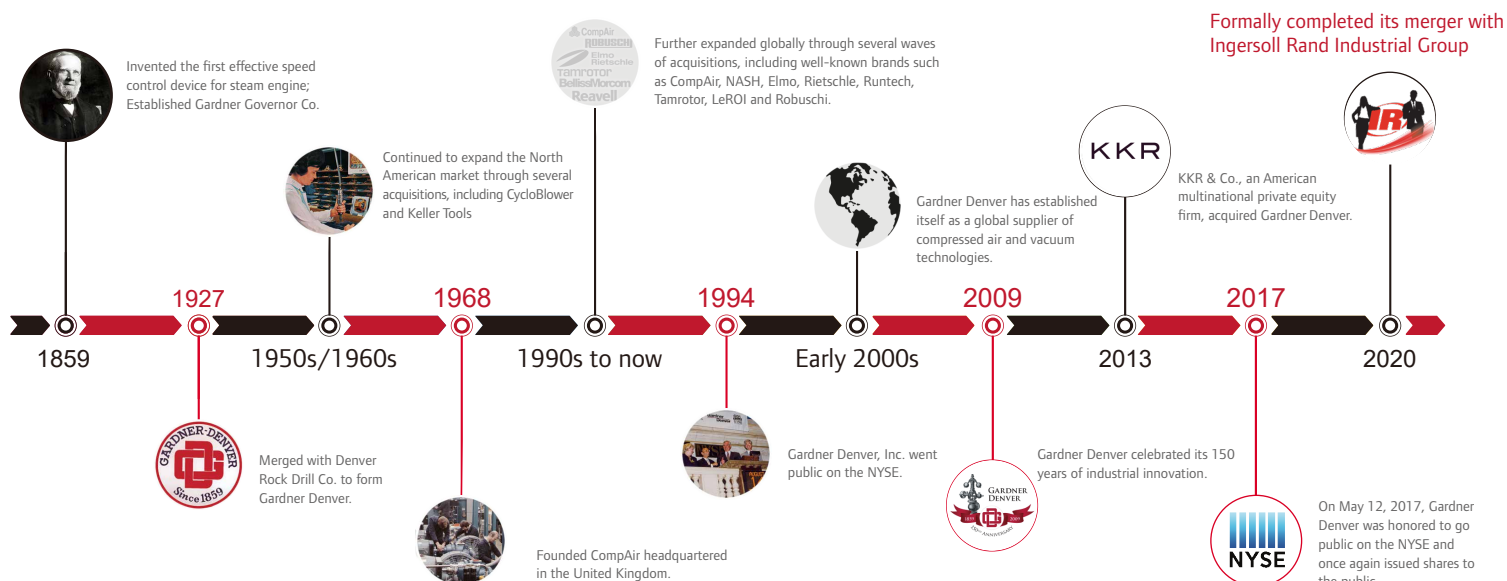
**Gardner
Denver**

Gardner Denver

Gardner Denver brand of Ingersoll Rand Group, founded in 1859, focuses on the development of innovative products and engineering solutions to solve operational problems for our customers. With global collaboration, strong customer service awareness and profound application expertise, we provide reliable and energy-efficient equipment for a variety of manufacturing and process applications. Since March 1, 2020, Ingersoll Rand Industrial Group and Gardner Denver have formally merged to form a new Ingersoll Rand company.

Now, as a larger and stronger company, we can better provide you with more comprehensive solutions and a wider portfolio of products and services. Driven by entrepreneurship and a sense of ownership, the new Ingersoll Rand company is committed to creating a better life for our employees, customers and those around us.

GDK series product line is the first product line designed by integrating the advantages of the product lines of Ingersoll Rand Industrial Group and Gardner Denver Industrial Group in Asia-Pacific after their merger. It is completely tailored for the fundamental manufacturing industry in Asia-Pacific. In addition to stringent engineering design and quality control, the comprehensive solution of the complete and after sales service has excellent performance to price competitiveness among brands of the same class



Ingersoll Rand

Ingersoll Rand Inc. (NYSE:IR), driven by an entrepreneurial spirit and ownership mindset, is dedicated to helping make life better for our employees, customers and communities. Customers lean on us for our technology-driven excellence in mission-critical flow creation and industrial solutions across 40+ respected brands where our products and services excel in the most complex and harsh conditions. Our portfolio of products consists of air compressors, pumps, blowers, and systems for fluid management, loading and material handling as well as power tools. With over 16,000 employees globally, our team develops customers for life through their daily commitment to expertise, productivity and efficiency. For more information, visit www.IRCO.com.



The GDK series product line is located in Ingersoll Rand Wujiang Industrial Park. Ingersoll Rand Wujiang Industrial Park, completed in 2008, covers a total floor area of 230,000 square meters and a construction area of 91,000 square meters. With more than 700 employees, it is one of the largest investments of Ingersoll Rand Industrial Group in the world. As a world-class integrated enterprise, the Wujiang Factory provides first-class services for different business groups and partners, with the vision of good customer experience, excellent manufacturing process, first-class product quality, attitude of continuous improvement and high employee satisfaction.



The manufacture, quality inspection and quality control of GDK series products will be completed in Ingersoll Rand Wujiang Industrial Park; its supplier on-site evaluation, production part approval process, incoming quality control, warehouse inventory management, production and manufacturing process, testing and inspection, finished product quality control, outgoing quality control and warranty are strictly based on the quality regulations of Ingersoll Rand Wujiang Factory.

Simple and Complete Preventive and Predictive Maintenance



Service operation system &



Accurate assets running status to improve service dispatching schedule as well as MO plan



Improve first trip resolution time and MO planning by predictive analytics of anomaly



Reduce maintenance cost by predictive analytics and early notifications of potential failure



Compressed air system based on high reliability data analysis of iConn cloud server

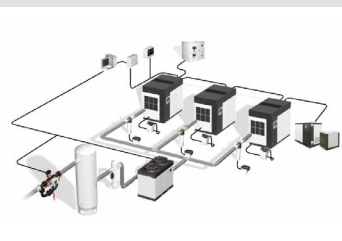
- Compressor running report and dashboard
- Running condition monitoring with real time data available
- Notifications and alarms of anomaly
- Predictive analytics to identify problems
- Diagnostic functions on energy saving and reliability



customer management system



Customized ALP and Go-to-Market strategy based on real customer parts and service



Data-based platform to facilitate total air system service solution



Full visibility of machine running condition and customer behavior to optimize service process, dissolve customers' problems timely.

GDK07-22kW Fixed Speed Design

Integrated Airend Design

- Less leakage points and pressure loss
- Less installation space due to compact design

Reliable Electronic Control Design

- Electronic control cabinet with high protection level
- High margin electric control design



Efficient Cooling System

- High margin cooler design
- ERP2015 standard, external rotor fan, streamlined shroud, low power consumption

Self-Tensioning Design

- Calibration free
- 12-groove rigid and reliable belts for 15-22kW

Smart and User-Friendly Interface

- Touch color screen
- Embedded IoT function
- Multi-unit sequent control
- Standard Modbus, remote/local monitor



Complete sensor detection and Predictive Maintenance

- Exhaust temperature detection of air end
- Pressure detection before and after oil separation
- Intake vacuum detection
- Maintenance tips



GDK30-75 Fixed Speed Design

Built-in Oil Separation System

- Low oil carryover design
- No risk of pipeline leakage
- Low pressure loss

Airend and Motor Direct Connection System

- No coupling, reducing energy consumption
- Reduced cost of daily maintenance



User-friendly Service Interface

- Switch-type removable door panel made of 1.5mm robust & reliable sheet metal
- Easy maintenance and consumable replacement interface

Efficient Cooling System

- High margin cooler design
- Large-sized bellows ensure cooling flow profile

Highly Reliable Air End

- Robust and reliable air end tested by tens of thousands of compressor units in the field
- Durable, low maintenance cost



Motor with High Protection Level

- IP55 closed motor, class F insulation, class B temperature rise
- Large-sized bearings ensure the service life



GDK7-22HPM VSD Design

Complete sensor detection and Predictive Maintenance

- Exhaust temperature detection of air end
- Pressure detection before and after oil separation
- Intake vacuum detection

Smart and User-Friendly Control Interface

- Touch color screen
- Embedded IoT function
- Multi-unit sequent control
- Standard Modbus, remote and local monitor



Highly Efficient Oil Separation System

- Low oil content design
- No risk of pipeline leakage
- Low pressure loss

Dual Inverter Design for Airend cooling

- Maximized energy efficiency level of the complete machine
- Low noise design

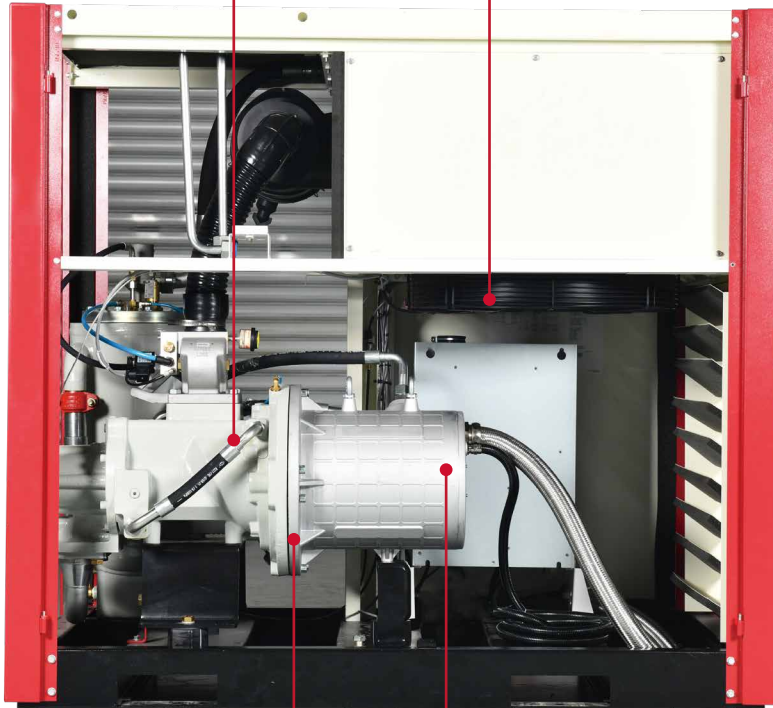
GDK30-75HPM VSD Design

Airend with Excellent Efficiency

- High reliability, proven cases of global application
- Large size and low speed design
- Leading efficiency performance of Group World wide

Efficient Cooling System

- High margin cooler design
- ERP2015 standard fan
- Large-sized bellows ensure cooling flow profile



Direct-Connected Driving

- Most efficient driving mode
- No energy efficiency loss caused by belt and gear driving

High Efficiency Motor with High Protection Level

- IE5 superior energy efficiency
- IP66 protection level
- Large-sized bearings ensure the service life



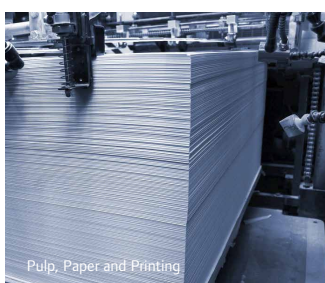
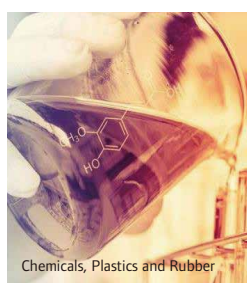
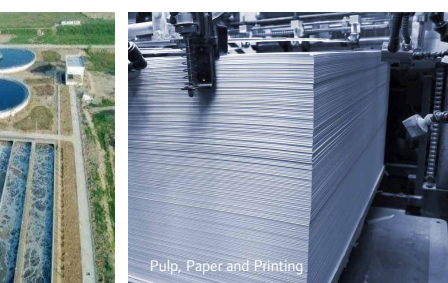
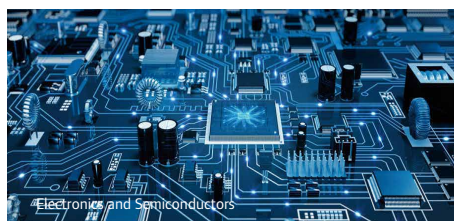
Product Parameters | GDK07~GDK75

Model	Motor Power kW	Exhaust Pressure bar(g)	Volumetric Flow m ³ /min	Dimensions (L x W x H)mm	Weight kg	Connection
GDK07-7A	7.5	7	1.22	716*677*1061	222	G3/4
GDK07-8A	7.5	8	1.14	716*677*1061	222	G3/4
GDK07-10A	7.5	10	1.00	716*677*1061	222	G3/4
GDK07-12.5A	7.5	12.5	0.81	716*677*1061	222	G3/4
GDK11-7A	11	7	1.69	716*677*1061	225	G3/4
GDK11-8A	11	8	1.58	716*677*1061	225	G3/4
GDK11-10A	11	10	1.41	716*677*1061	225	G3/4
GDK11-12.5A	11	12.5	1.23	716*677*1061	225	G3/4
GDK15-7A	15	7	2.50	984*1017*1065	465	G1
GDK15-8A	15	8	2.40	984*1017*1065	465	G1
GDK15-10A	15	10	2.07	984*1017*1065	465	G1
GDK15-12.5A	15	12.5	1.70	984*1017*1065	465	G1
GDK18-7A	18.5	7	3.10	993*1020*1118	509	G1
GDK18-8A	18.5	8	3.00	993*1020*1118	509	G1
GDK18-10A	18.5	10	2.61	993*1020*1118	509	G1
GDK18-12.5A	18.5	12.5	2.15	993*1020*1118	509	G1
GDK22-7A	22	7	3.70	993*1020*1118	524	G1
GDK22-8A	22	8	3.41	993*1020*1118	524	G1
GDK22-10A	22	10	3.08	993*1020*1118	524	G1
GDK22-12.5A	22	12.5	2.72	993*1020*1118	524	G1
GDK30-7A	30	7	5.43	1544*884*1405	697	G1 1/2
GDK30-8A	30	8	5.21	1544*884*1405	697	G1 1/2
GDK30-10A	30	10	4.60	1544*884*1405	697	G1 1/2
GDK37-7A	37	7	6.34	1544*884*1405	742	G1 1/2
GDK37-8A	37	8	5.83	1544*884*1405	742	G1 1/2
GDK37-10A	37	10	5.34	1544*884*1405	742	G1 1/2
GDK45-7A	45	7	8.23	1544*884*1405	870	G1 1/2
GDK45-8A	45	8	7.82	1544*884*1405	870	G1 1/2
GDK45-10A	45	10	6.60	1544*884*1405	870	G1 1/2
GDK55-7A	55	7	10.60	1969*1234*1605	1472	G2
GDK55-8A	55	8	10.00	1969*1234*1605	1472	G2
GDK55-10A	55	10	8.60	1969*1234*1605	1472	G2
GDK75-7A	75	7	13.40	1969*1234*1605	1482	G2
GDK75-8A	75	8	13.00	1969*1234*1605	1482	G2
GDK75-10A	75	10	11.30	1969*1234*1605	1482	G2

14bar unit option is available for GDK07-22

Product Parameters | GDK30HPM~GDK75HPM

Model	Motor Power kW	Exhaust Pressure bar(g)	Volumetric Flow m ³ /min	Dimensions (L x W x H)mm	Weight kg	Connection Port
GDK07HPM-A	7.5	7-12.5	0.15-1.18	840*680*810	169	G3/4"
GDK11HPM-A	11	7-12.5	0.15-1.65	840*680*810	182	G3/4"
GDK15HPM-A Grade 1	15	7-12.5	0.92-2.54	900*800*1300	325	G1"
GDK18HPM-A Grade 1	18.5	7-12.5	0.92-3.12	900*800*1300	340	G1"
GDK22HPM-A Grade 1	22	7-12.5	0.92-3.66	900*800*1300	342	G1"
GDK30HPM-A Grade 1	30	7-10	2.00-5.50	1544*884*1405	618	G1 1/2
GDK37HPM-A Grade 1	37	7-10	2.00-6.70	1544*884*1405	628	G1 1/2
GDK45HPM-A Grade 1	45	7-10	2.00-8.05	1544*884*1405	629	G1 1/2
GDK55HPM-A Grade 1	55	7-10	2.00-10.10	1969*1234*1605	839	G2
GDK75HPM-A	75	7-10	2.00-12.60	1969*1234*1605	859	G2



Comprehensive and Considerate After-Sales Service

As a professional system service provider, we are always ready to serve customers at home and abroad with our professional technical service model and technical quality management, strong technical service team and adequate accessories inventory.



Maintenance time can be indicated by the operation control panel



Sheet design for easy maintenance



Overall design based on lower maintenance cost



The use of genuine spare parts ensures stable operation and longer service life of the machine

Timely and Convenient Localized Service

- A complete portfolio of consultation services for the construction of new air compressor stations.
- After the installation of the equipment, a specialist will be dispatched to be responsible for the training of equipment commissioning and management personnel in operation and maintenance.
- After the equipment are qualified in commissioning, free maintenance and accessories will be provided during the warranty period.
- Professional technical support, accessories supply guarantee.
- Visit customers regularly every year.
- Send personnel to help the customer quickly troubleshoot occasional machine problems.
- Advanced testing instruments provide operation data in a timely manner.
- Collection, analysis of system air usage data and optimization of air source management.
- Extended warranty service for the complete machine is available per request.
- Give feedback to customers quickly and carry out necessary on-site maintenance services.
- Provide users with all-round air compressor diagnosis to eliminate the potential problems of the compressor, ensure the continuity and integrity of the production line, and avoid costly breakdown losses.
- Adequate spare parts inventory, reliable quality assurance, ensuring on-site use for every customer.

For customers in need, we can diagnose the status of their equipment based on the iConn Industrial Internet of Things Platform, thereby reducing the emergency shutdown and economic losses caused by equipment failure. Meanwhile, we give instructions on the customers' applications remotely via a 400 service hotline.



24-hour toll-free service hotline
400 820 9290

Tailor-Made GD Original Maintenance Kit

By leveraging the decades of hands-on maintenance experience, we have developed a customized maintenance kit of best optimized combinations, which allows users to simply carry out maintenance as the GDK machine maintenance schedule. With this kit in hand, users can easily carry out maintenance and upgrading when the specified number of running hours is reached, thus saving costs and freeing you from maintenance problems.

Lean on us

To help you make life better

We think and act like owners.

For 160 years we have been waking up every day to help make life better. We are driven by an entrepreneurial spirit and an ownership mindset, inspiring us to care deeply about our neighbors and shared planet. We have a bias for action, take accountability and quickly bounce back from setbacks.

We are committed to making our customers successful.

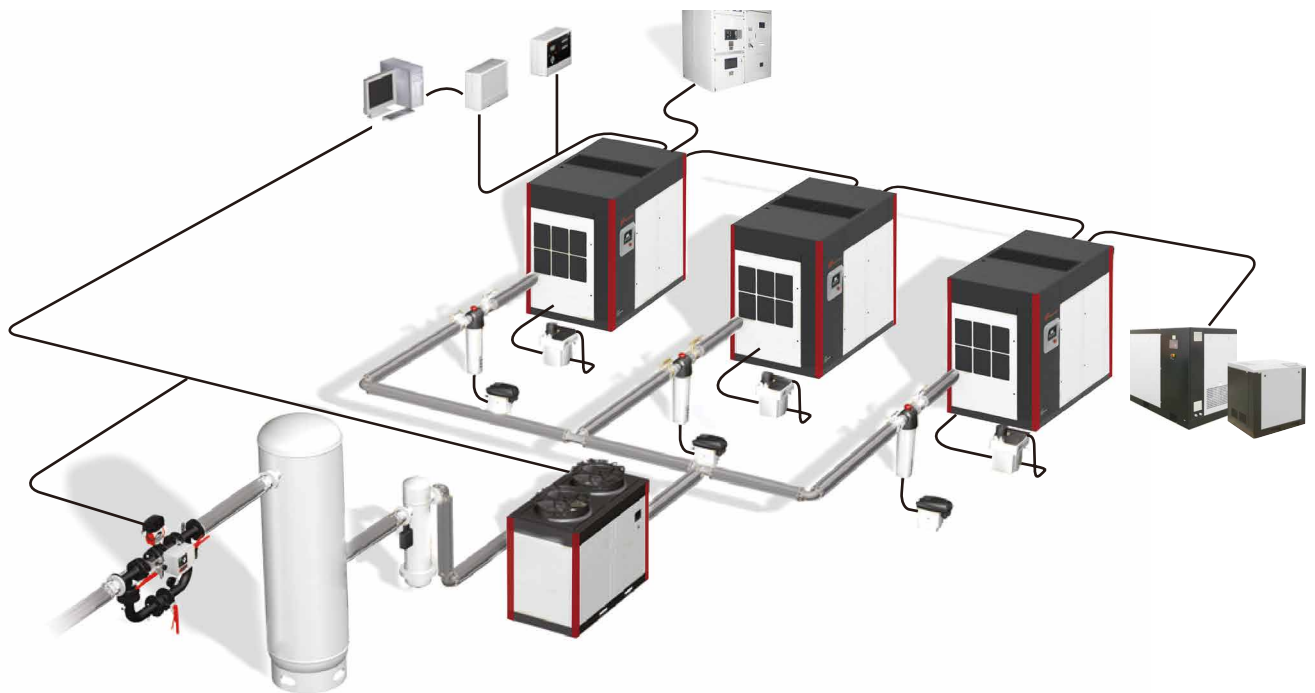
We pride ourselves on innovation, and we aim to operate in a clear, straight-forward fashion. We aspire to be connected for life with our customers and embrace the responsibility that comes with that. We know they lean on us for essential, vital and mission-critical solutions.

We are bold in our aspirations while moving forward with humility and integrity.

We have the confidence to take on the hardest problems, yet we are rooted in a genuine sense of humility. We endeavor to earn trust every day by being honest in our dealings and acting with integrity regardless of how hard the challenge. We speak with candor, own our mistakes and always strive to be better tomorrow.

We foster inspired teams.

We nurture and celebrate a culture that embraces diverse points of views, backgrounds and experiences. We are committed to equity in how people are treated and the opportunities available to them. And we know that a workplace which cultivates a sense of inclusion, belonging and respect will develop the most talented and capable employees.



Gardner Denver spares no effort to manage your system

To ensure the reliable operation of the entire system, Gardner Denver provides a variety of accessories including dryers, filters, after coolers, etc. You can enjoy Gardner Denver's convenient one-stop purchase service, with all components of the system perfectly matched, and get the first-class customer support at any time.

Oil Lubricated Screw Compressor

Single-Stage Screw Compressor

0.3-47.7m³/min/7~14barg

Two-Stage Screw Compressor

29.6-70.1m³/min/7~14barg

Engineering Customization

Construction machinery auxiliaries, locomotives, cranes...



Oil-Free Compressor

Oil-Free Scroll Compressor

0.21-3.78m³/min/8~10barg

Oil-Free Water Injection Compressor

0.9-27m³/min/7~10barg



After-Treatment Equipment

- Filter and dryer
- Cooling system
- Air storage tank



Comprehensive Service Support

- Development of engineering solutions
- Localization service center
- Genuine GD and CompAir spare parts and lubricating oil



Value-Added Services

- Heat recovery
- Frequency conversion retrofit
- Integrated control



Gardner Denver
Air Compressor WeChat Account



Gardner Denver
Air Compressor Video Account



Gardner Denver
Air Compressor DouYin Account



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