kimair.

Screw Air Compressor

Industrial Technologies

We are a professional manufacturer of screw air compressor specialized in developing, manufacturing and selling compressors.
With 20 years' profound experience and a strong R&D team, our products achieved the international advanced level.
With continuous improvements, we provide energy-saving, reliable, easy maintenance and environmental compressors, including screw air compressor both fixed speed and variable speed, low-pressure compressor, two-stage screw compressor, which can suit various customer requirements, which are widely used in machinery, medical, textile, electric power, vehicle, construction and military industries.
We aimed to create maximum value for customers and we are confident that kimair will be your reliable compressor supplier and trustworthy partner.

kimair. is your best choice

According to the different gas demand, **kimair.** offer you innovative design of the six type screw compressor for your production which can bring a comprehensive guarantee.

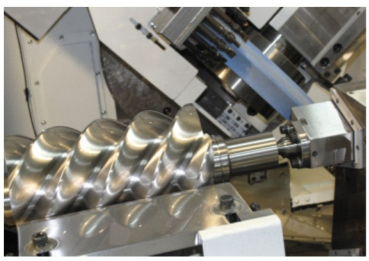
PE	Two Stage Screw Compressor With PM Motor (VSD)
PS	Single Stage Screw Compressor With PM Motor (VSD)
SI	Single Stage Screw Compressor (Fixed Frequency)
EI	Two Stage Screw Compressor (Fixed Frequency)
PLE	Low Pressure Two Stage Screw Compressor With PM Motor (VSD)
PLS	Low Pressure Single Stage Screw Compressor With PM Motor (VSD)
PHE	Medium Pressure Screw Air Compressor With PM motor (VSD)
SFPS	Water lubricating oil free single screw air compressor with PM motor (VSD)
SFVS	Water lubricating oil free single screw air compressor(VSD)

As a compressed air user, you expect maximum efficiency and reliability from your air system.
But these advantages are influenced by many different factors: Energy costs, for example, taken over the lifetime of a compressor, add up to a multiple of investment costs.
Efficient energy consumption therefore plays a vital role in the production of compressed air, as does reliability of the compressor. In many cases, a reliable compressed air supply is essential to guarantee maximum performance from valuable production systems.

Everything we do, we chase for breakthroughs. We believe in thinking differently.
We continuously challenge the status, to improve our products in stabilization,
energy-saving, noiseless and easier maintenance. All we achieved is excellent compressor units.

High efficiiency

The Kimair screw air compressor is equipped with an energy efficient IE4 class PM motor to achieve high energy efficiency even in high-speed and low-speed operation.



High reliability

Rotor is designed with the latest screw profile patented, finishing-milled with many operations, with very high accuracy, to increase the reliability of main compressor.

Low noise

K-series are designed with sealed enclosure to ensure quiet operation, environmental protection and effective protection of human body.

Compact design

Compact design allows for easy maintenance. K- series of products are of compact design, easy installation, good to space reduced and costs saving.

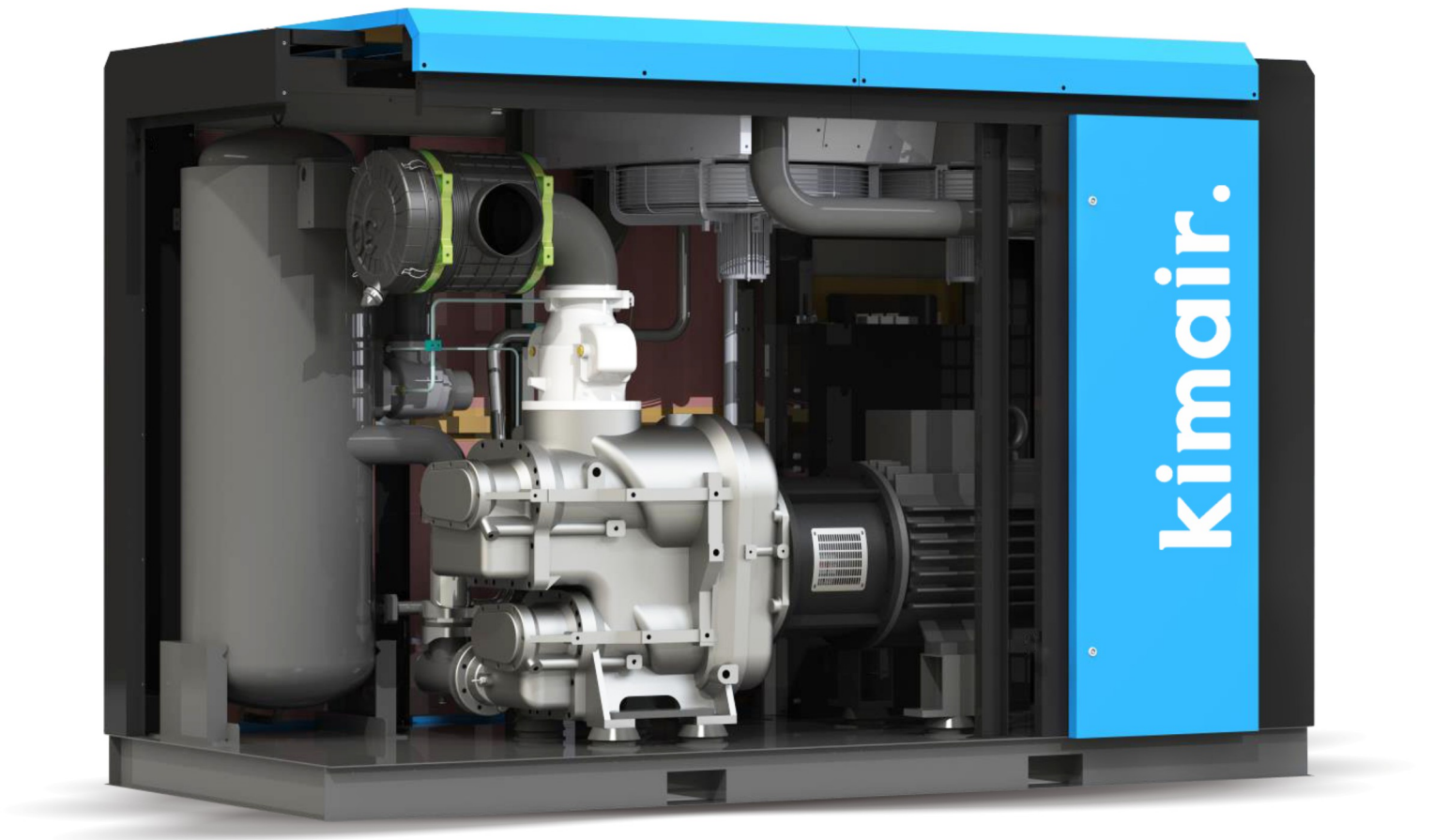
Two Stage Screw Compressor With PM Motor (VSD)

Keeping your production up and running

kimair. compressors ensure long and trouble-free lifetime at the lowest operating cost.

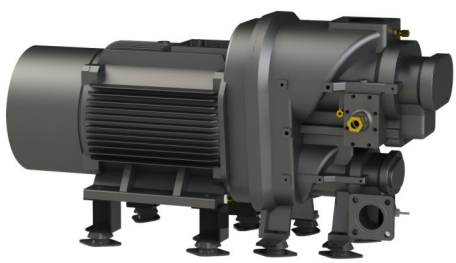
Reducing your production costs

The innovative design of kimair compressors reduces your energy bill and overall compressor lifecycle costs.



Directly coupled transmission

Integrated flexible coupling set ensures easy maintenance.



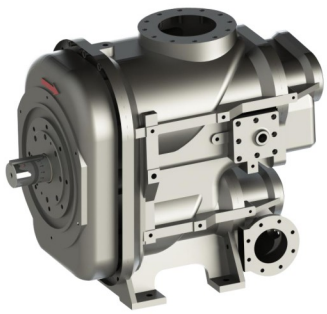
Two stage Air Compressor

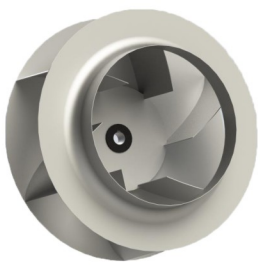
The bearing load is greatly reduced.Improved Air-end longevity.Reduced maintenance.

2-stage air compressor can set the pressure ratio of three to one between first and second stage so that it can reduce internal leakage, and each pressure ratio of the 2-stage air-end is much lower than that of single stage air-end. So it improves pressure efficiency significantly.

After compression of air in the first stage, the air is cooled down by intensified oil injection cooling which reduces the intake air temperature of the second stage. As the results, the process of air compression is done by isothermal compression which can reduce energy consumption.

Through the optimization of volumetric efficiency and adiabatic efficiency, 2-stage air compressor can be obtained 15% more air volume compare to the same power of single stage air compressor





Powerful radial fan(Optional)

The quiet and powerful fan draws in cool ambient air through the cooler.

Its high residual thrust can deal with partial clogging of the cooler and still have enough reserve to allow connection of a long exhaust duct.

In addition, the radial fan consumes significantly less drive power than conventional axial fans,saving even more energy.

High tech oil/air separator tank

Replacing oil/air separator cartridge does not require removing any pipe.

3-step efficient oil separation process for low residual oil content in the compressed air (less than 3ppm) .

Energy Saving Intake Valve

This intake valve is featuring high efficiency and vast range control.

It can save energy through free control of loading and save maintenance cost through built-in design.

Single Stage Screw Compressor With PM Motor (VSD)

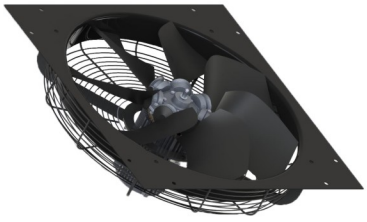
Another breakthrough for **kimair.** company with the new K-PS series

especially low energy consumption, the noticeable quiet running and extremely easy maintenance are the results of a totally new design.

PM Motor has no motor bearing and make 100% transmission efficiency.

High reliability Air-end

Equipped high quality bearings.
High precision machined rotor.
High cost performance options.
Rotor is designed to increase the reliability of main compressor with the latest screw profile technology, finishing-milled with many operations, with very high accuracy.



Innovative fan

Based on the newest technologies.
Low noise levels.

Heavy-duty air intake filter

Protects the compressor components by removing 99.9% of dirt particles down to 3 microns.
Differential inlet pressure for proactive maintenance while minimizing pressure drop.

Separated oversized oil cooler and after-cooler

Low element outlet temperatures, ensuring long oil lifetime.
Eliminates possibility of thermal shocks in coolers

Low Pressure Screw Compressor With PM Motor (VSD)

Cost Saving by **kimair.** Low Pressure Compressor

Normally in the industries such as textile, cement, chemical fiber and glass production, required pressure for air is lower than 5bar. **kimair.** Low pressure compressors which are available for providing low pressure range 2~5bar with much increased air flow compared to 7~8bar normal compressors enable customers to have remarkable cost saving up to 30%.

Fully redundant oil and air separation treatment system
Large displacement air compressor is more suitable for dual oil and air separater tank

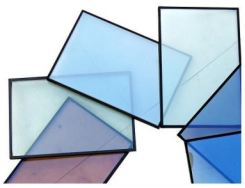
Application Scope

Petrochemical

Cement Industry

Sewage Treatment

Textile Industry

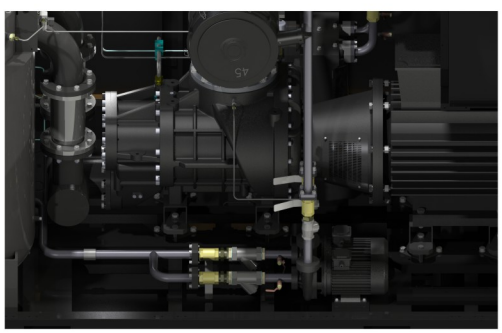


Glass Industry

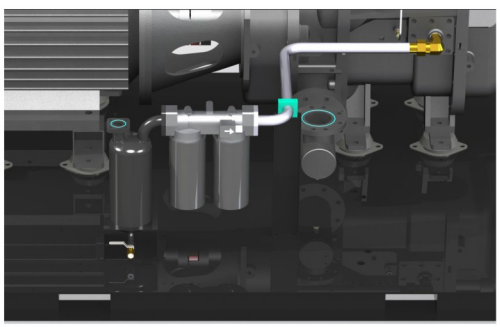
The new K-PL series has already passed the test runs in real conditions with flying colors.
As diverse as the operating conditions may be – its robust technology, low maintenance needs and the pioneering achievements to maximize efficiency will let it quickly win over friends wherever a reliable compressed air supply is indispensable.

kimair. Low Pressure Mechanism

Through application of big rotor and direct connection between motor and air-end , it is able to achieve low speed running and ensure high performance.
And kimair unique design of air oil separator tank guarantee the outlet oil content less than 3ppm or even equal.

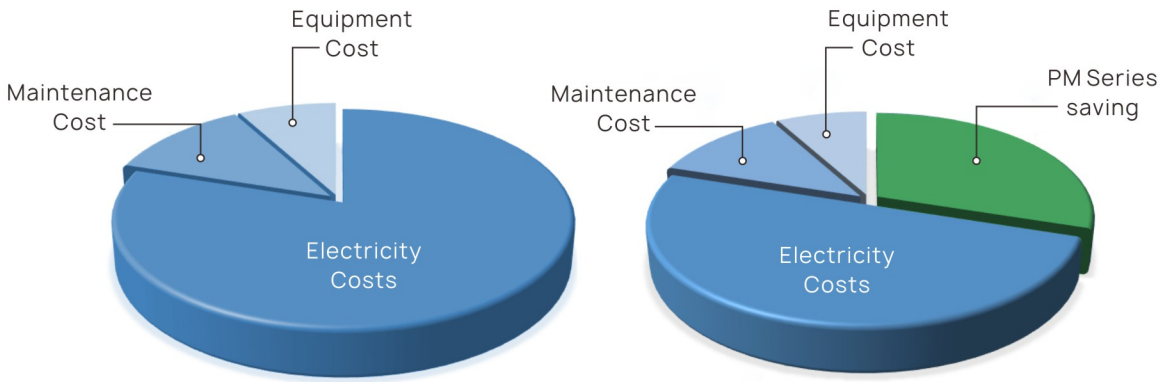


Optional online maintenance system



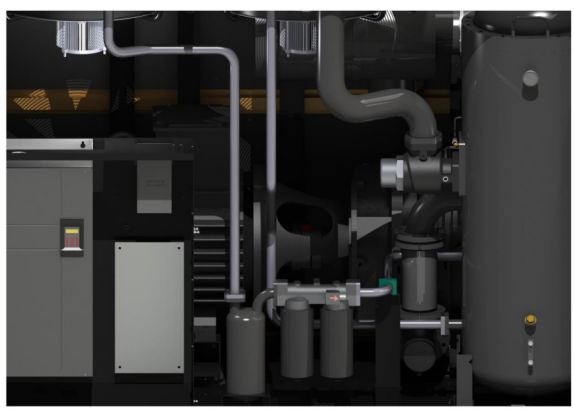
Air compressor lubricating device.
Temperature - free valve design .
reduce the failure point.

What is Variable Speed Driver (VSD) technology?



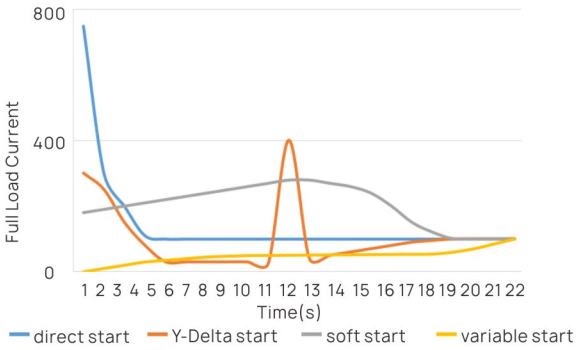
Comparison of Running Cost

Over 80% of a compressor's lifecycle cost is taken up by the energy it consumes.
In almost every production environment, air demand fluctuates depending on different factors such as the time of the day, week or even month.
Extensive measurements and studies of compressed air demand profiles show that many compressors have significant variations in air demand.
To cut your energy costs, kimair provides the application "Variable Speed Driver technology" in the compressed air industry.



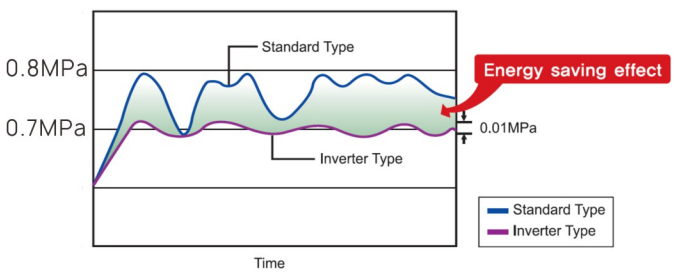
The design of **kimair.** K-series machine ensures high efficiency over all the range of working condition, with a wider range of frequency conversion from 30% to 100%.
The air output variation is directly proportional to actual power consumption, approximately to energy efficiency curve under ideal status.

Fast reaction for demand of air volume and pressure through constant voltage control



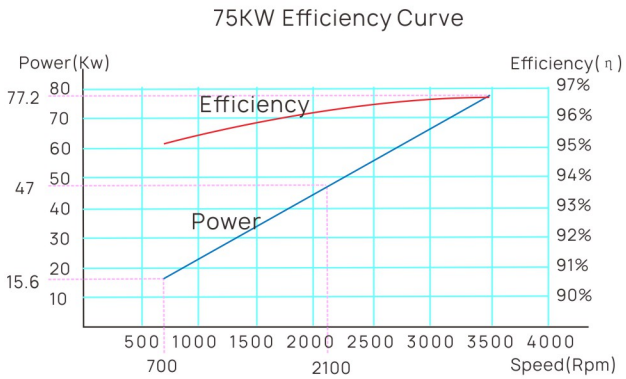
No current peak during start up

unlimited starting and stopping.
Saving in electrical installation : smaller breakers, fuses, transformers and cables.



Comparison of energy saving between Standard type and inverter type

Through constant voltage control under 0.01MPa, it can produce the required accuracy of compressed air and it leads to achieve more energy saving.



Permanent Magnet Motor

Permanent magnet motor provides much longer durability, applying good quality permanent magnet (NdFeB) which does not loss the excitation even at 180℃.
The motor speed regulation range is wide, the precision is high, the air volume adjustment range is wider.

Kimair. k-series Permanent Magnet Motor

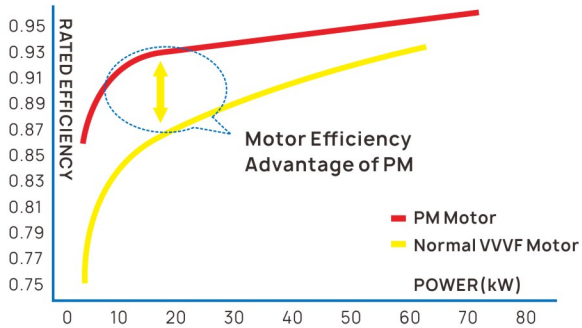
Eliminate the inefficient conversion process from unload to full load.

Applied permanent magnet motor, energy saving is 6 to 7 % higher compared to other ordinary inverter compressor.

Maintain the fluctuation pressure under 0.01 MPa in the process line, reduced the average working pressure.

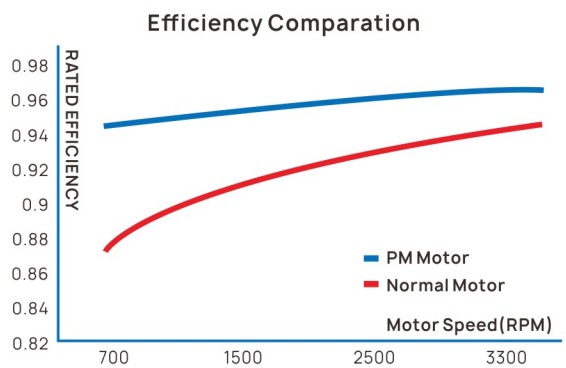
Soft start method improved current balance of motor and prevented shock of current.

Variable Frequency Control with Permanent Magnet Motor



PM Motor Type compressor with variable frequency control (Inverter Control) is available to save energy from 6 to 7% more than Ordinary Inverter Type Compressor.

Energy-saving condition

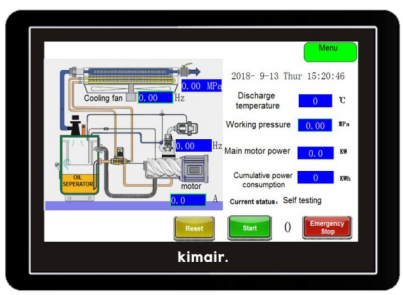


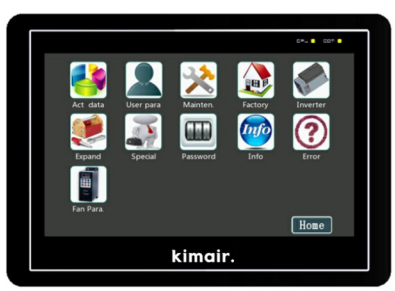
permanent magnet motor can maintain high motor efficiency at low speed.

When the air consumption is small, it has obvious advantage of saving energy.

Intelligent controller

- Simple and intelligent interface for ease of operation
- Remote start / stop control
- 20 recording alarm / trip history
- Password protection against unauthorized operation
- Capacity of sequencer control mode for maximum 16 machines. External sequencer is unnecessary.
- Real time compressor status displayed with LCD indicator.
- Record malfunction data for ease of maintenance
- MODBUS communication protocol with capacity of connecting to all type of central monitoring system.
- Warning for consumable parts replacement.
- Detailed record for periodical replacement and maintenance information.





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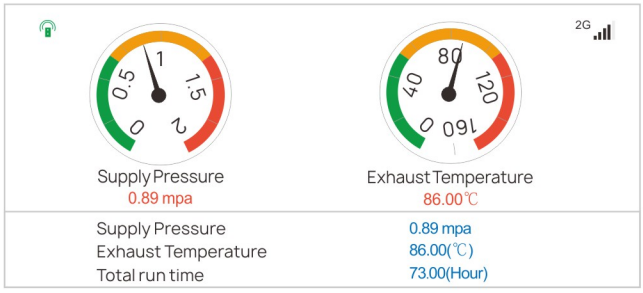
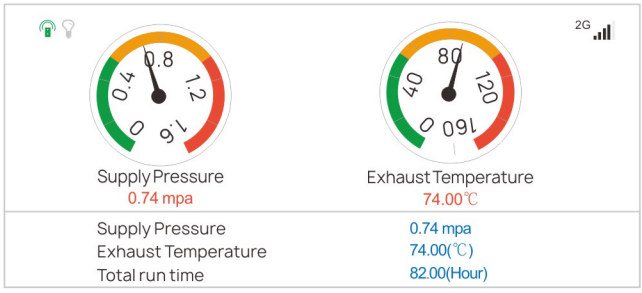
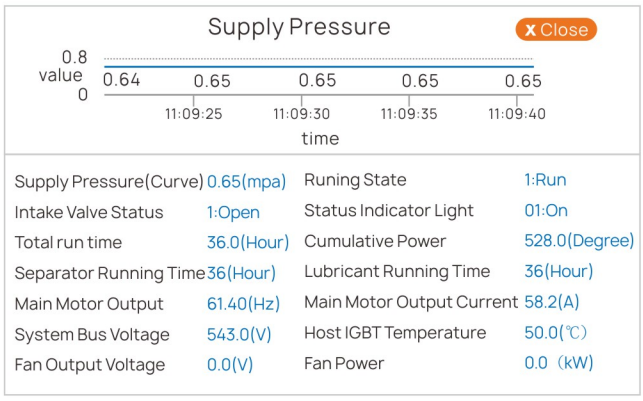
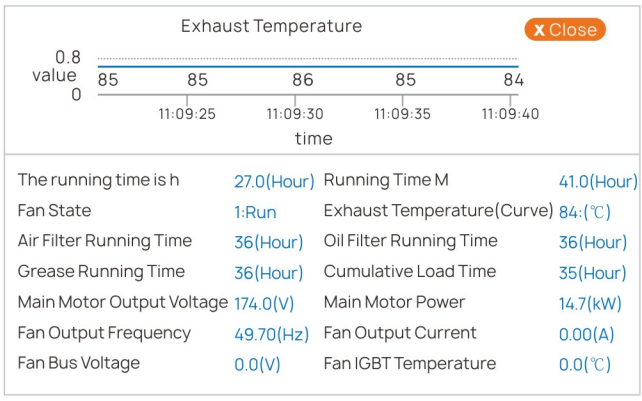
Intelligent Controller Monitoring System

- It is a system that can access the Internet anywhere in the world to monitor the operational status of the operating air compressor.
- The equipment can be resolved remotely by monitoring equipment currently in operation in real time, checking condition, and checking the timing of regular consumables exchange, and viewing the fault records in case of problems with the equipment.
- Installation simply requires an Internet connection.









Why use AIRMATICS™?

- Industry 4.0 ready
- Fully interoperable
- Brand agnostic: AIRMATICS™ can be integrated within any air compressor eco-system – regardless of manufacturer
- Reduces energy bills attributable to air compressors by up to 30%
- Minimises sustainability footprint by reducing carbon emissions
- Maximises performance and creates efficiencies
- Reduces wear and tear: IoT capability and continual live communication between air compressor and control centre means performance never exceeds system requirements at any given moment
- Transparent and easy-to-use reporting: The AIRMATICS™ interface is intuitive and makes gaining insights, data and reporting accessible – regardless of location
- Decentralised decision-making: AIRMATICS™ automatically makes the best decisions for your air compressors' functionality and usage
- Fully secure
- Reduce time spent by workforce on manual diagnostics and resolution
- Big data helps businesses make big decisions about their air compressor systems

The future of compressed air monitoring, performance and control

Save up to 30% p/a in energy costs with AIRMATICS™ compressor management technology

AIRMATICS™ is a simple cloud-based air compressor monitoring, performance and control solution that provides real time data, analytics and insights at the push of a button.

AirCloud is the app that provides a visual window into air compressor performance.

Smart Air, Not Hot Air

Are you an energy consultant, OEM, distributor, facilities manager or business owner responsible for getting the most out of a manufacturing facility?
If optimising air compressor performance, reducing energy bills and increasing sustainability levels is important to your business, AIRMATICS™ can help you:

Become Industry 4.0 ready

Reduce energy costs attributable to air compressors by 30 percent

Cut waste and reduce carbon emissions

Achieve 24/7 and 360° visibility of your entire air compressor network's performance, efficiency and health status

Automate air compressor monitoring and control by letting AIRMATICS™ make the right performance and efficiency adjustments and decisions for you

Improve your air compressor network's performance

The smart factory has just got even smarter

Developed to meet the requirements of Industry 4.0, AIRMATICS™ takes air compressor monitoring, performance and control into the 21st century by providing 360° real time performance tracking of businesses' air compressors – from anywhere in the world.

kimair.

One Control Centre, Infinite Possibilities

Command & Control is the brain behind AIRMATICS™, which is locally installed and digitally connected via the cloud. Capable of managing an infinite number of locally interconnected fixed speed, variable speed or variable output air compressors, Command & Control responds to real time feedback and adjusts settings and performance levels automatically – 24 hours a day, 365 days a year.

TAG

Revolutionising air compressor performance monitoring

AIR-TAG has been designed to monitor the performance of a standalone air compressor – regardless of the air compressor's brand.

Located within the chosen air compressor, AIR-TAG sends data collected during monitoring, via the cloud, to be viewed by the user on an easy-to-use interface

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SMART-TAG

Providing a holistic view of multiple air compressor performance

SMART-TAG provides the host compressor with an alternative control source and enables all compressors to be interconnected with an AIRMATICS™ Command & Control product.

The result? A unified network of compressors that provides instant feedback to the control unit, which then automatically adjusts performance and output according to the air compressor network's requirements.

Command & Control

One Control Centre, Infinite Possibilities

Command & Control is the brain behind AIRMATICS™, which is locally installed and digitally connected via the cloud.

Capable of managing an infinite number of locally interconnected fixed speed, variable speed or variable output air compressors, Command and Control responds to real-time feedback and adjusts settings and performance levels automatically – 24 hours a day, 365 days a year.

AirCloud

Where Style and Substance Meet

Designed to be as clean and easy to use as possible, the AIRCLOUD user interface provides visual representation of your monitored air compressors across AIR-TAG and SMART-TAG products.

AIRCLOUD's innovative, intuitive and informative approach to data analytics leaves no aspect of your air compressor - or air compressor network - unexplored and no stone unturned.

Single Stage Screw Compressor With PM Motor (VSD)

Technical specifications

Model	Motor Power (kW)	(HP)	Pressure (Mpa)	Free air delivery (m^3/min)	LUB oil (L)	Outlet (inch)	Weight (kg)	Dimensions L*W*H (mm)
K30PS+ Premium	22	30	0.7 0.8 1.0	1.25-3.76 1.11-3.33 0.91-2.72	12	G1 1/4	600	1210*1000*1470
K50PS+ Premium	37	50	0.7 0.8 1.0	2.23-6.70 2.12-6.35 1.83-5.50	18	G1 1/2	700	1350*1100*1480
K75PS+ Premium	55	75	0.7 0.8 1.0	3.40-10.2 3.14-9.43 2.67-8.02	37	G2	1150	1700*1220*1630
K100PS+ Premium	75	100	0.7 0.8 1.0	4.67-14.00 4.33-13.00 3.70-11.10	55	G2 1/2	1450	2000*1350*1650
K10PS	7.5	10	0.7 0.8 1.0	0.37-1.11 0.34-1.01 0.29-0.86	5	G3/4	200	700*720*1030
K15PS	11	15	0.7 0.8 1.0	0.62-1.87 0.58-1.75 0.51-1.54	8	G1	280	890*870*1170
K20PS	15	20	0.7 0.8 1.0	0.82-2.47 0.77-2.30 0.67-2.02	8	G1	300	890*870*1170
K30PS	22	30	0.7 0.8 1.0	1.25-3.76 1.11-3.33 0.91-2.72	12	G1 1/4	450	1100*830*1310
K50PS	37	50	0.7 0.8 1.0	2.23-6.70 2.12-6.35 1.83-5.50	18	G1 1/2	600	1200*880*1470
K75PS	55	75	0.7 0.8 1.0	3.40-10.20 3.14-9.43 2.73-8.20	30	G2	1000	1485*1120*1560
K100PS	75	100	0.7 0.8 1.0	4.40-13.20 4.07-12.20 3.50-10.50	45	G2	1200	1650*1170*1770
K120PS	90	120	0.7 0.8 1.0	5.50-16.50 5.13-15.40 4.50-13.50	85	DN80	2000	1720*1640*1950
K150PS	110	150	0.7 0.8 1.0	6.67-20.00 6.27-18.81 5.5-16.50	85	DN80	2230	2100*1750*2050
K180PS	132	180	0.7 0.8 1.0	7.98-23.94 7.45-22.35 6.50-19.50	85	DN80	2900	2250*1890*1960

Two Stage Screw Compressor (Fixed Frequency)

Technical specifications

Model	Motor Power 380V/50HZ		Pressure (Mpa)	Free air delivery (m^3/min)	LUB oil (L)	Outlet (inch)	Weight (kg)	Dimensions L*W*H (mm)
K120EI	90KW	120HP	0.7 0.8 1.0	19.50 18.50 16.21	75	DN80	2600	2600*1400*2000
K150EI	110KW	150HP	0.7 0.8 1.0	23.13 21.73 19.20	88	DN100	2800	2650*1500*2100
K180EI	132KW	180HP	0.7 0.8 1.0	28.52 27.09 23.76	120	DN100	3600	3250*1600*2200
K180EI+ Premium	132KW	180HP	0.7 0.8 1.0	28.52 27.09 23.76	120	DN100	3900	2750*1850*2300
K220EI	160KW	220HP	0.7 0.8 1.0	32.00 30.09 28.00	135	DN100	4200	3250*1700*2430
K220EI+ Premium	160KW	220HP	0.7 0.8 1.0	33.68 31.12 28.00	135	DN100	4400	2950*2250*2550
K250EI	185KW	250HP	0.7 0.8 1.0	37.88 35.22 31.17	150	DN100	4600	2950*2250*2550
K270EI	200KW	270HP	0.7 0.8 1.0	43.00 40.50 35.00	160	DN125	6400	3600*2250*2450
K300EI	220KW	300HP	0.7 0.8 1.0	46.00 44.00 38.50	160	DN125	6500	3600*2250*2550
K300EI+ Premium	220KW	300HP	0.7 0.8	46.50 44.50	160	DN125	7500	3700*2350*2700
K340EI	250KW	340HP	0.7 0.8 1.0	53.50 51.00 45.00	180	DN125	8000	3800*2350*2750

Note: The above values can be altered for improvement without any notice to customers.

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Two Stage Air Compressor With PM Motor (VSD)

Technical specifications

Model	Motor Power (kW)	(HP)	Pressure (Mpa)	Free air delivery (m^3/min)	LUB oil (L)	Outlet (inch)	Weight (kg)	Dimensions L*W*H (mm)
K30PE	22	30	0.7 0.8 1.0	1.39-4.18 1.30-3.91 1.03-3.43	12	G1 1/4	600	1400*840*1490
K50PE	37	50	0.7 0.8 1.0	2.50-7.52 2.33-7.01 2.06-6.20	25	G1 1/2	950	1560*970*1730
K60PE	45	60	0.7 0.8 1.0	3.23-9.70 3.02-9.06 2.60-7.80	45	G2 1/2	1500	2100*1200*1650
K75PE	55	75	0.7 0.8 1.0	3.83-11.50 3.67-11.00 3.16- 9.50	50	G2 1/2	1700	2200*1170*1700
K100PE	75	100	0.7 0.8 1.0	5.05-15.15 4.83-14.51 4.17-12.50	60	DN65	1750	2200*1290*1820
K120PE	90	120	0.7 0.8 1.0	6.50-19.50 6.16-18.50 5.41-16.21	75	DN80	2600	2600*1400*2000
K150PE	110	150	0.7 0.8 1.0	7.71-23.13 7.24-21.73 6.40-19.20	85	DN100	2800	2650*1500*2100
K180PE	132	180	0.7 0.8 1.0	9.50-28.52 9.03-27.09 7.92-23.76	120	DN100	3600	3250*1600*2200
K180PE+ Premium	132	180	0.7 0.8 1.0	9.50-28.52 9.03-27.09 7.92-23.76	120	DN100	3900	2750*1850*2300
K220PE	160	220	0.7 0.8 1.0	10.67-32.00 10.30-30.90 9.33-28.00	135	DN100	4200	3250*1700*2430
K220PE+ Premium	160	220	0.7 0.8 1.0	11.22-33.68 10.37-31.12 9.67-29.00	135	DN100	4400	2950*2250*2550
K250PE	185	250	0.7 0.8 1.0	12.62-37.88 11.74-35.22 10.39-31.17	150	DN100	4600	2950*2250*2550
K270PE	200	270	0.7 0.8 1.0	14.33-43.00 13.50-40.50 11.67-35.00	160	DN125	6400	3600*2250*2450
K300PE	220	300	0.7 0.8 1.0	15.33-46.00 14.67-44.00 12.83-38.50	160	DN125	6500	3600*2250*2450
K300PE+ Premium	220	300	0.7 0.8	15.50-46.50 14.83-44.50	160	DN125	7500	3700*2350*2700
K340PE	250	340	0.7 0.8 1.0	17.83-53.50 17.00-51.00 15.00-45.00	180	DN125	8000	3700*2350*2700
K380PE	280	380	0.7 0.8 1.0	18.67-56.00 17.67-53.00 16.00-48.00	200	DN150	8500	4000*2350*2850
K380PE+ Premium	280	380	0.7 0.8	19.00-57.00 18.33-55.00	200	DN150	8500	4000*2350*2850
K420PE	315	420	0.7 0.8 1.0	21.00-63.00 20.00-60.00 18.33-55.00	220	DN150	8600	4000*2350*2850
K420PE+ Premium	315	420	0.7 0.8 1.0	21.33-68.00 21.33-64.00 19.00-57.00	220	DN150	8600	4000*2350*2850

Single Stage Screw Compressor (Fixed Frequency)

Technical specifications

Model	Motor Power 380V/50HZ		Pressure (Mpa)	Free air delivery (m^3/min)	LUB oil (L)	Outlet (inch)	Weight (kg)	Dimensions L*W*H (mm)
K30SI	22KW	30HP	0.7 0.8	3.32 3.26	12	G1 1/4	550	1200*910*1230
K50SI	37KW	50HP	0.7 0.8	6.20 6.10	18	G1 1/2	700	1380*980*1385
K75SI	55KW	75HP	0.8 1.0	9.43 7.52	30	G2	1200	1535*1170*1550
K100SI	75KW	100HP	0.8 1.0	12.80 11.20	60	G2	1450	2000*1120*1590
K150SI	110KW	150HP	0.8 1.0	19.6 17.00	80	DN65	2800	2400*1630*1980
K220SI	160KW	220HP	0.8 1.0	26.50 24.5	100	DN80	3620	2800*1820*2150

Note: The above values can be altered for improvement without any notice to customers.

Low Pressure Single Stage Screw Compressor With PM Motor (VSD)

Technical specifications

Model	Motor Power (kW)	(HP)	Pressure (Mpa)	free air delivery (m^3/min)	Outlet (inch)	Weight (kg)	Dimensions L*W*H (mm)
K30PLS/3	22	30	0.30	6.50	DN65	700	1550*1120*1550
			0.35	6.00			
			0.40	5.70			
K30PLS/5			0.45	4.90	G2	600	1200*880*1525
			0.50	4.60			
K50PLS/2	37	50	0.20	14.00	DN125	2200	2200*1850*2100
K50PLS/3			0.30	11.80	DN100	1300	1730*1500*1800
K50PLS/4			0.35	10.60			
			0.40	10.00			
K60PLS/2	45	60	0.20	16.30	DN125	2300	2200*1850*2100
K60PLS/3			0.30	14.50	DN100	2000	2250*1500*2050
K60PLS/4			0.35	13.50			
			0.40	11.50			
K60PLS/5			0.45	10.50	DN80	1800	1950*1100*1920
			0.50	10.00			
K75PLS/2	55	75	0.20	22.00	DN200	2900	2020*1940*2330
K75PLS/3			0.30	17.00	DN100	2000	2250*1500*2050
K75PLS/4			0.35	16.00			
			0.40	14.20			
K100PLS/2	75	100	0.20	28.00	DN200	4400	2780*2086*2350
K100PLS/3			0.30	24.40	DN150	3800	2450*1850*2150
K100PLS/4			0.35	22.00			
			0.40	20.90			
K120PLS/2	90	120	0.20	34.50	DN200	4500	2780*2086*2350
K120PLS/3			0.30	28.50	DN150	3900	2450*1850*2150
K120PLS-4			0.35	26.70			
			0.40	24.50			
K150PLS/2	110	150	0.20	43.50	DN250	6000	3050*2400*2530
K150PLS/3			0.30	35.00	DN200	4600	3120*1950*2220
K150PLS/4			0.35	30.60	DN200	4500	3050*2400*2530
			0.40	28.40			
K180PLS/2	132	180	0.20	51.50	DN250	6500	3050*2400*2530
K180PLS/3			0.30	40.00	DN200	4500	3450*2090*2320
K180PLS-4			0.35	35.00			
			0.40	32.80			
K180PLS/3+ Premium			0.30	42.00	DN200	4600	3120*1950*2220
K180PLS/4+ Premium			0.35	38.50			
			0.40	35.50			
K220PLS/2	160	220	0.20	62.00	DN300	7000	4100*2400*2600
			0.25	55.20			
K220PLS/3			0.30	51.50	DN200	5500	3150*2400*2300
K220PLS/4			0.35	46.00	DN200	5300	3150*2400*2450
			0.40	40.00			
K250PLS/3	185	250	0.30	56.50	DN200	5800	3750*2400*2450
K250PLS/3.5			0.35	54.50			
K250PLS/4			0.40	51.00			
K270PLS/3	200	270	0.30	61.50	DN200	6500	3750*2400*2450
K270PLS/3.5			0.35	58.00			
K270PLS/4			0.40	55.00			

Note: The above values can be altered for improvement without any notice to customers.

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Low Pressure Two Stage Screw Compressor With PM Motor (VSD)

Technical specifications

Model	Motor Power (kW)	(HP)	Pressure (Mpa)	free air delivery (m^3/min)	LUB oil (L)	Outlet (inch)	Weight (kg)	Dimensions L*W*H (mm)
K50PLE	37	50	0.50 0.45	9.60 10.00	55	G2½	1600	2000*1400*1900
K75PLE	55	75	0.50 0.45	13.00 13.50	63	DN65	2000	2200*1290*1820
K100PLE	75	100	0.50 0.45	18.50 19.60	85	DN80	2600	2600*1400*1960
K120PLE	90	120	0.50 0.45	22.00 24.30	100	DN100	2700	2650*1510*2090
K150PLE	110	150	0.50 0.45	26.30 28.00	100	DN100	3600	3250*1590*2180
K180PLE	132	180	0.50 0.45	30.70 32.00	135	DN100	3600	3250*1690*2430
K220PLE	160	220	0.50 0.45	38.00 40.00	200	DN150	5600	3270*2290*2550
K250PLE	185	250	0.50 0.45	42.50 45.50	231	DN150	5900	3300*2300*2550
K250PLE+ Premium	185	250	0.50 0.45	45.80 49.00	231	DN150	6500	3500*2400*2600
K270PLE	200	270	0.50 0.45	50.00 53.50	250	DN150	6800	3500*2360*2600
K300PLE	220	300	0.50 0.45	54.50 57.00	250	DN200	7300	3600*2350*2700
K340PLE	250	340	0.50 0.45	61.00 64.00	250	DN200	7500	3600*2350*2700
K340PLE+ Premium	250	340	0.50 0.45	62.00 65.00	250	DN200	7500	3600*2350*2700

Note: The above values can be altered for improvement without any notice to customers.

Low Pressure Two Stage Screw Compressor (Fixed Frequency)

Technical specifications

Model	Motor Power 380V/50HZ		Pressure (Mpa)	free air delivery (m^3/min)	LUB oil (L)	Outlet (inch)	Weight (kg)	Dimensions L*W*H (mm)
K120LEI	90KW	120HP	0.50 0.45	22.00 24.30	100	DN100	2700	2650*1510*2090
K150LEI	110KW	150HP	0.50 0.45	26.30 28.00	100	DN100	3600	3250*1590*2180
K180LEI	132KW	180HP	0.50 0.45	30.70 32.00	135	DN100	3600	3250*1690*2430
K220LEI	160KW	220HP	0.50 0.45	38.00 40.00	200	DN150	5600	3270*2290*2550
K250PLE	185KW	250HP	0.50 0.45	42.50 45.50	231	DN150	5900	3300*2300*2550
K250PLE+ Premium	185KW	250HP	0.50 0.45	45.80 49.00	231	DN150	6500	3500*2400*2600
K270PLE	200KW	270HP	0.50 0.45	50.00 53.50	250	DN150	6800	3500*2360*2600
K300PLE	220KW	300HP	0.50 0.45	54.50 57.00	250	DN200	7300	3600*2350*2700
K340PLE	250KW	340HP	0.50 0.45	61.00 64.00	250	DN200	7500	3600*2350*2700
K340PLE+ Premium	250KW	340HP	0.50 0.45	62.00 65.00	250	DN200	7500	3600*2350*2700

Note: The above values can be altered for improvement without any notice to customers.

Meduim Pressure Screw Air Copressor With PM Motor (VSD)

Technical specifications

Model	Pressure (Mpa)	Free air delivery (m^3/min)	Motor Power 380V 50HZ/60HZ		Airend	Cooling System	Outlet (inch)	Weight (kg)	Dimensions L*W*H (mm)
K75PHE	2.0 2.5 3.0 3.5 4.0	6.0 5.5 5.2 4.9 4.7	55KW	75HP	Two-stage	Air or Water	DN40	1380	2500*1600*2000
K100PHE	2.0 2.5 3.0 3.5 4.0	8.3 7.6 7.1 6.7 6.4	75KW	100HP	Two-stage	Air or Water	DN40	1750	2700*1600*2000
K120PHE	2.0 2.5 3.0 3.5 4.0	9.9 9.1 8.5 8.1 7.7	90KW	120HP	Two-stage	Air or Water	DN50	3750	3000*1800*2000
K150PHE	2.0 2.5 3.0 3.5 4.0	12.2 11.3 10.5 9.9 9.5	110KW	150HP	Three-stage	Water	DN50	3900	3000*1800*2000
K180PHE	2.0 2.5 3.0 3.5 4.0	14.5 13.4 12.5 11.8 11.3	132KW	180HP	Three-stage	Water	DN50	4260	3000*1800*2000
K220PHE	2.0 2.5 3.0 3.5 4.0	17.6 16.2 15.1 14.3 13.7	160KW	220HP	Three-stage	Water	DN50	4400	3000*1800*2000
K250PHE	2.0 2.5 3.0 3.5 4.0	20.4 18.7 17.5 16.6 15.8	185KW	250HP	Three-stage	Water	DN65	4500	3500*2000*2100
K270PHE	2.0 2.5 3.0 3.5 4.0	22.0 20.2 19.0 17.9 17.1	200KW	270HP	Three-stage	Water	DN65	4600	3500*2000*2100
K300PHE	2.0 2.5 3.0 3.5 4.0	24.2 22.3 20.8 19.7 18.8	220KW	300HP	Three-stage	Water	DN65	4650	3500*2000*2100
K340PHE	2.0 2.5 3.0 3.5 4.0	27.5 25.3 23.7 22.4 21.4	250KW	340HP	Three-stage	Water	DN80	5000	4000*2200*2300
K380PHE	2.0 2.5 3.0 3.5 4.0	30.8 28.3 26.5 25.1 24.0	280KW	380HP	Three-stage	Water	DN80	6000	4000*2200*2300
K420PHE	2.0 2.5 3.0 3.5 4.0	34.7 31.9 29.7 28.2 27.0	315KW	420HP	Three-stage	Water	DN80	6500	4000*2200*2300
K480PHE	2.0 2.5 3.0 3.5 4.0	39.1 36.0 33.7 31.8 30.4	355KW	480HP	Three-stage	Water	DN100	7300	4300*2350*2400
K540PHE	2.0 2.5 3.0 3.5 4.0	44.0 40.5 38.0 36.0 34.3	400KW	540HP	Three-stage	Water	DN100	8000	4300*2350*2400

Note: The above values can be altered for improvement without any notice to customers.

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PM Motor Screw Air Compressor (VSD) With Refrigerated Dryer and Tank (All in one Type)

Technical specifications

Model	Motor Power (kW)	(HP)	Pressure (Mpa)	Free air delivery (m^3/min)	Lub water (L)	Outlet (inch)	Weight (kg)	Dimensions L*W*H (mm)
K10PSA	7.5	10	0.7 0.8 1.0	0.37-1.11 0.34-1.01 0.29-0.86	5	G3/4	380	1270*750*1650
K15PSA	11	15	0.7 0.8 1.0	0.62-1.87 0.58-1.75 0.51-1.54	8	G1	480	1230*860*1600
K20PSA	15	20	0.7 0.8 1.0	0.82-2.47 0.77-2.30 0.67-2.02	8	G1	480	1230*860*1600

Medium Pressure Screw Air Compressor With PM motor (VSD)

Technical specifications

Model	Motor Power (kW)	(HP)	Pressure (Mpa)	Free air delivery (m^3/min)	Lub water (L)	Outlet (inch)	Weight (kg)	Dimensions L*W*H (mm)
K20PHS	15	20	1.5 1.6 1.7	0.47~1.42 0.43~1.35 0.42~1.27	8	G3/4	280	820*800*1230
K30PHS	22	30	1.5 1.6 1.7	0.81~2.43 0.78~2.35 0.73~2.21	12	G1	450	1100*830*1350
K75PHE	55	75	1.4 1.5 1.6	2.70~8.00 2.60~7.70 2.45~7.36	30	G1 1/4	1600	2000*1350*1900

Water lubricating oil free single screw air compressor

Technical specifications

Model	Motor Power (kW)	(HP)	Pressure (Mpa)	Free air delivery (m^3/min)	Lub water (L)	Outlet (inch)	Weight (kg)	Dimensions L*W*H (mm)
K10SFSI	7.5	10	0.8 1.0	1.17 0.72	10	3/4"	430	800*800*1200
K15SFSI	11	15	0.8 1.0	1.72 1.10	26	3/4"	580	1200*855*1335
K20SFSI	15	20	0.8 1.0 1.25	2.25 1.72 1.10	26	1"	620	1200*855*1335
K30SFSI	22	30	0.8 1.0 1.25	3.60 3.00 2.20	30	1"	730	1400*1010*1340
K50SFSI K50SFSIW	37	50	0.8 1.0 1.25	6.30 5.00 3.60	40	1 1/2"	1150	1650*1180*1505 (W)1500*1080*1300
K75SFSIW	55	75	0.8 1.0 1.25	9.70 7.80 6.30	100	2"	1470	1800*1360*1670

Note: W- Water cooling type
SI- Y-△Starter (Star delta starting)

Note: The above values can be altered for improvement without any notice to customers.

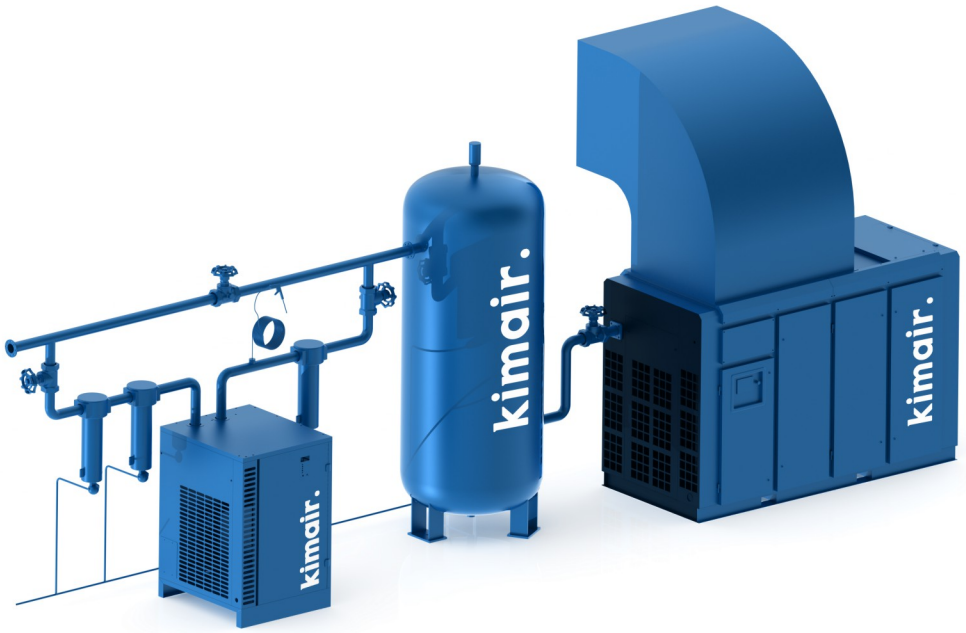
Water lubricating oil free single screw air compressor with PM motor (VSD)

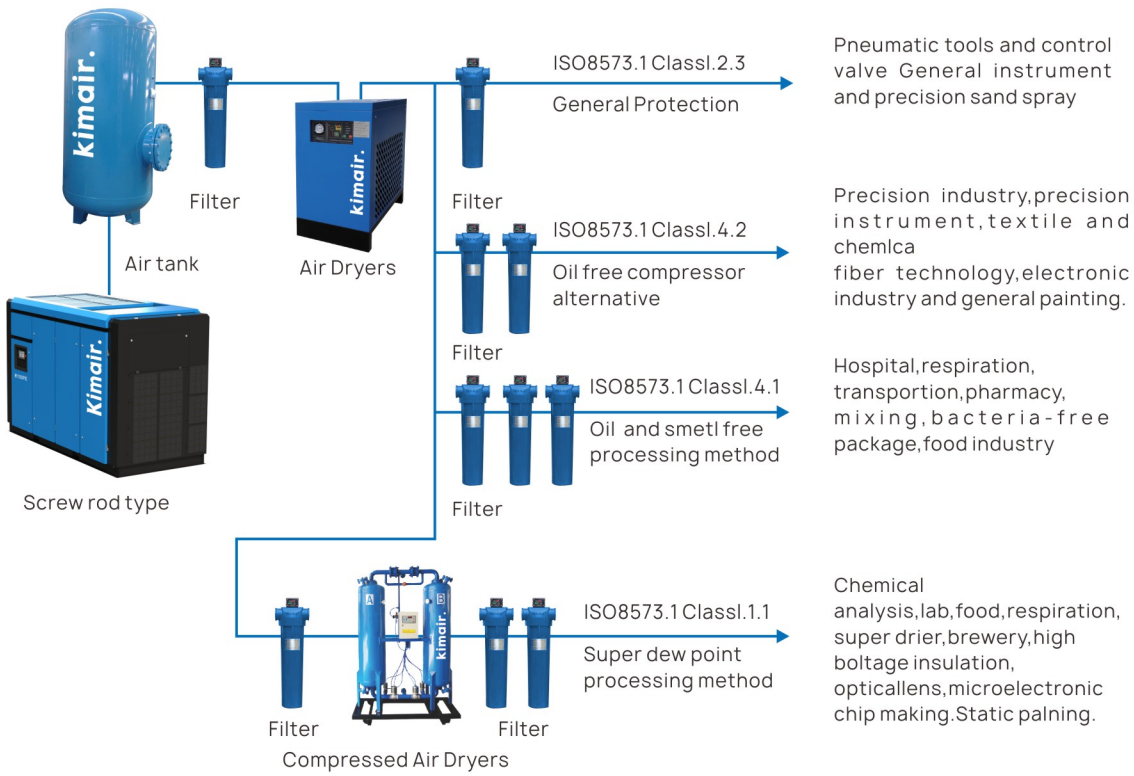
Technical specifications

Model	Motor Power (kW)	(HP)	Pressure (Mpa)	Free air delivery (m^3/min)	Lub water (L)	Outlet (inch)	Weight (kg)	Dimensions L*W*H (mm)
K10SFPS	7.5	10	0.8 1.0	0.39~1.17 0.35~1.05	10	3/4"	510	800*800*1200
K15SFPS	11	15	0.8 1.0 1.25	0.57~1.72 0.47~1.42 0.37~1.10	26	3/4"	620	1200*855*1335
K20SFPS	15	20	0.8 1.0 1.25	0.81~2.43 0.57~1.72 0.47~1.42	26	1"	670	1200*855*1335
K30SFPS	22	30	0.8 1.0 1.25	1.20~3.60 1.03~3.10 0.77~2.30	30	1"	730	1400*1010*1340
K50SFPS K50SFPSW	37	50	0.8 1.0 1.25	2.10~6.30 1.70~5.20 1.47~4.40	40	1 1/2"	1200	1650*1180*1505 (W)1500*1080*1300
K75SFPSW	55	75	0.8 1.0 1.25	3.17~9.50 2.67~8.00 2.22~6.65	100	2"	1570	1800*1360*1670
K100SFPSW	75	100	0.8 1.0 1.25	4.20~12.60 3.67~11.00 2.83~8.50	100	2"	1750	1800*1360*1670
K120SFPSW	90	120	0.8 1.0 1.25	5.23~15.70 4.67~14.00 3.67~11.00	120	2 1/2"	2450	2200*1550*1800
K150SFPSW	110	150	0.8 1.0 1.25	6.73~19.00 5.53~16.60 3.25~13.00	120	2 1/2"	2580	2200*1550*1800
K180SFPSW	132	180	0.8 1.0 1.25	7.67~23.00 6.67~20.00 5.33~16.00	120	2 1/2"	2700	2200*1550*1800
K220SFPSW	160	220	0.8 1.0 1.25	9.17~27.50 8.37~25.10 6.33~19.00	160	3"	3900	3000*1800*2100
K250SFPSW	185	250	0.8 1.0 1.25	10.55~31.65 9.67~29.00 7.33~22.00	160	3"	4050	3000*1800*2100
K270SFPSW	200	270	0.8 1.0 1.25	11.40~34.20 10.45~31.35 7.93~23.80	200	4"	4200	3100*1850*2100
K300SFPSW	220	300	0.8 1.0 1.25	12.33~37.00 11.50~34.50 9.00~27.00	200	4"	4400	3100*1850*2100
K340SFPSW	250	340	0.8 1.0 1.25	14.20~42.60 13.07~39.2 10.00~30.00	200	4"	4800	3100*1850*2100

Note: W- Water cooling type
PS- Permanent Magnet Synchronous Motor invertor
Note: The above values can be altered for improvement without any notice to customers.

Choose the required grade of treatment according to your filed of application





Refrigerated Compressed Air dryer

KR series Condition

Pressure dew point :2-10°C
Capacity : 1.2-300 m^3/min
Max.inlet temperature:80°C
Refrigerant:R134a , R407C,R22
Max.ambient temperature:40°C
Min.ambient temperature:5°C
Max.working pressure:13Bar
Cooling type:Air-cooling or Water-cooling

Technical specifications

Model	Capacity m^3/min	Power Kw	Power Supply V/P/Hz	Air in/out Dia	Dimension(mm) L	W	H	Weight Kg
KR-01	1.2	1	220/1/50	1"	630	450	640	50
KR-02	2.4	0.94	220/1/50	1"	700	450	830	80
KR-03	3.8	1.15	220/1/50	1.5"	850	500	920	105
KR-06	6.5	1.44	220/1/50	1.5"	880	550	1020	150
KR-08	8.5	1.44	220/1/50	1.5"	1050	580	1000	160
KR-10	10.7	2.8	380/3/50	2"	1180	670	1080	240
KR-13	13.5	2.8	380/3/50	2"	1180	670	1080	260
KR-15	18	3.55	380/3/50	DN65	1400	640	1310	310
KR-20	25	4.55	380/3/50	DN80	1400	640	1310	400
KR-25	28	4.95	380/3/50	DN80	1700	850	1470	450
KR-30	35	5.57	380/3/50	DN100	1840	850	1520	780
KR-40	45	8.22	380/3/50	DN100	2100	1050	1700	820
KR-50	55	9.94	380/3/50	DN125	2450	1100	1700	900
KR-60	65	13.01	380/3/50	DN125	2550	1100	1810	970
KR-80	85	14.7	380/3/50	DN150	2420	1340	1925	1430
KR-110	110	19	380/3/50	DN150	2750	1270	2004	2200
KR-150	160	27	380/3/50	DN200	3108	1400	2122	3000
KR-200W	220	38	380/3/50	DN200	3400	1420	2293	3200
KR-300W	300	60	380/3/50	DN250	4100	3400	2580	4100

KR/4.0 Series Refrigerated Air Dryer (Max. working pressure 4.0Mpa)

Technical specifications

Model	Capacity m^3/min	Power HP	Power Supply V/Ph/Hz	Air in/out Dia Pipe diameter	Dimension(mm) L	W	H	Weight Kg
KR-01/4.0	1.4	1/4	220/1/50	1/2"	580	420	700	42
KR-02/4.0	2.4	3/4	220/1/50	3/4"	580	420	700	46
KR-03/4.0	3.8	1 1/4	220/1/50	1 1/2"	580	420	700	55
KR-06/4.0	6.5	1 1/2	220/1/50	1 1/2"	680	500	830	72
KR-10/4.0	10.7	3	380/3/50	1 1/2"	1050	550	850	136
KR-13/4.0	13.5	3	380/3/50	1 1/2"	1050	550	950	145
KR-15/4.0	18	3	380/3/50	1 1/2"	1050	550	950	158
KR-20/4.0	22	4	380/3/50	DN65	1370	700	1360	230

Note: The above values can be altered for improvement without any notice to customers.

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Heatless Purge Desiccant Air Dryer

Purge air: <12-15%
Inlet oil content: <0.01ppm
Working periods: T=4~20Minutes
Desiccant: Activated aluminum or Molecular sieve

Inlet temperature: 0°C~45°C
Working Pressure: 0.6~1.0Mpa
Pressure dew point: -20~40°C
Power supply :220V/50HZ/1Ph

Model	Capacity m^3/min	Air in/out Dia Pipe diameter	Dimension(mm) L	W	H	Weight Kg
KDHL-1	1.2	1"	910	420	1418	120
KDHL-2	2.4	1"	910	420	1518	140
KDHL-3	3.8	1 1/2"	1000	450	1890	220
KDHL-6	6.5	1 1/2"	1200	500	1960	380
KDHL-8	8.5	1 1/2"	1200	500	1960	430
KDHL-10	10.7	2"	1400	600	2100	520
KDHL-13	13.5	2"	1400	600	2150	580
KDHL-15	18	DN65	1400	600	2200	640
KDHL-20	25	DN80	1670	650	2480	730
KDHL-30	35	DN100	1750	750	2680	960
KDHL-40	45	DN100	1820	750	2685	1150
KDHL-50	55	DN125	1900	750	2800	1380
KDHL-60	65	DN125	1900	750	3100	1600
KDHL-80	85	DN150	2620	1120	3070	2580
KDHL-100	110	DN150	3100	1650	3200	3800
KDHL-160	160	DN200	3240	1770	3190	5200
KDHL-200	200	DN200	3700	1900	3550	7800

Externally Heated Purge Desiccant Air Dryer

Purge air: <4-6%
Working periods: T=60~180Minutes
Working Pressure: 0.4~1.0Mpa
Desiccant: Activated aluminum or Molecular sieve

Inlet oil content: <0.01ppm
Inlet temperature: 0°C~45°C
Pressure dew point: -20~70°C
Power :380V 50HZ

Technical specifications

Model	Capacity m^3/min	Heater Power Kw	Air in/out Dia	Dimension(mm) L	W	H	Weight Kg
KDH-1	1.2	1.5	1"	910	530	1418	145
KDH-2	2.4	1.5	1"	910	530	1518	160
KDH-3	3.8	1.5	1 1/2"	1000	575	1890	245
KDH-6	6.5	3	1 1/2"	1200	560	1960	405
KDH-8	8.5	3	1 1/2"	1200	560	1960	440
KDH-10	10.7	4.5	2"	1400	600	2100	560
KDH-13	13.5	4.5	2"	1400	600	2150	620
KDH-15	18	4.5	DN65	1400	635	2200	680
KDH-20	25	6	DN80	1670	725	2480	780
KDH-30	35	8	DN100	1750	750	2680	1040
KDH-40	45	8	DN100	1820	750	2710	1210
KDH-50	55	15	DN125	1900	750	2800	1450
KDH-60	65	15	Dn125	2000	800	2850	1700
KDH-80	85	20	DN150	2800	1200	3100	2800
KDH-100	110	30	DN150	3200	1500	3200	4020
KDH-160	160	50	DN200	3500	1800	3380	6200
KDH-200	200	60	DN200	4400	1900	3550	8500

Note: The above values can be altered for improvement without any notice to customers.

KF Series Compressed Air Filters

Features

Air filter with differential pressure indicator and sight glass.
Filter housing internal with anti-corrosion trearment.

Max.working pressure:
Differential pressure: 0.007Mpa
Max.working temperature: 66°C
Service life of filter element: 6000hour

Model	Max.working pressure
001-020	1.6Mpa
030-300	1.0Mpa

Technical specifications

Model	Capacity Nm^3/min	Air Connections Pipe diameter	Dimension(mm) L	W	H	Weight Kg
KYF-001 (C,T,A,AA,H)	1.2	3/4"	95	91	240	1.7
KYF-002 (C,T,A,AA,H)	2.3	3/4"	95	91	280	2
KYF-003 (C,T,A,AA,H)	3.5	1 1/2"	125	116	302	2.8
KYF-005 (C,T,A,AA,H)	5.7	1 1/2"	125	116	421	3.5
KYF-007 (C,T,A,AA,H)	7.8	1 1/2"	125	116	421	3.9
KYF-011 (C,T,A,AA,H)	11.6	2"	175	160	550	7.5
KYF-015 (C,T,A,AA,H)	15.5	2"	175	160	550	8
KF-018 (C,T,A,AA,H)	18	2 1/2"	178	120	620	7
KF-020 (C,T,A,AA,H)	25	2 1/2"	178	120	760	8
KF-020F (C,T,A,AA,H)	25	DN80	370	159	1000	45
KF-025 (C,T,A,AA,H)	28	3"	174	180	785	49
KF-025F (C,T,A,AA,H)	28	DN80	370	159	1200	55
KF-030 (C,T,A,AA,H)	35	3"	220	180	650	59
KF-030F (C,T,A,AA,H)	35	DN100	419	219	1160	65
KF-040 (C,T,A,AA,H)	45	4"	220	180	780	62
KF-040F (C,T,A,AA,H)	45	DN100	419	219	1160	68
KF-050F (C,T,A,AA,H)	55	DN125	513	273	1220	96
KF-060F (C,T,A,AA,H)	65	DN125	513	325	1220	96
KF-080F (C,T,A,AA,H)	85	DN150	565	325	1220	140
KF-110F (C,T,A,AA,H)	110	DN150	617	377	1320	150
KF-130F (C,T,A,AA,H)	130	DN150	656	416	1390	210
KF-150F (C,T,A,AA,H)	150	DN200	762	462	1470	220
KF-180F (C,T,A,AA,H)	180	DN200	762	462	1470	240
KF-200F (C,T,A,AA,H)	200	DN200	816	516	1500	250
KF-230F (C,T,A,AA,H)	230	DN200	816	516	1500	265
KF-250F (C,T,A,AA,H)	250	DN250	862	566	1800	275
KF-300F (C,T,A,AA,H)	300	DN250	916	616	1800	320

KF/4.0 Series Air Filters (Max. working pressure 4.0Mpa)

Technical specifications

Model	Capacity Nm^3/min	Air Connections Pipe diameter	Dimension(mm) L	W	H	Weight Kg
KF-001/4.0 (C,T,A,AA,H)	1.4	1/2"	98.5	88	280	5.5
KF-002/4.0 (C,T,A,AA,H)	2.5	3/4"	98.5	88	280	5.5
KF-003/4.0 (C,T,A,AA,H)	3.8	3/4"	125	108	356	8.6
KF-006/4.0 (C,T,A,AA,H)	6.5	1 1/2"	125	108	455	11.1
KF-010/4.0 (C,T,A,AA,H)	10.7	1 1/2"	120	138	610	18.6
KF-013/4.0 (C,T,A,AA,H)	13.5	1 1/2"	120	138	610	18.6
KF-015/4.0 (C,T,A,AA,H)	18	DN65	310	133	920	42
KF-020/4.0 (C,T,A,AA,H)	22	DN65	370	159	980	59

Note: The above values can be altered for improvement without any notice to customers.

Maintenance

kimair. perfectly designed the full series of K-series products ensure easy operation and maintenance.

Service network

Your investment is supported by an experienced team of compressed air system experts. Our global network of authorized kimair distributors and field service representatives provide responsive, knowledgeable service, including on-site and factory-base technical assistance, to kimair customers around the world.

Supply of components and parts

kimair. have sufficient components and parts ready for supply to meet the demands of your systems whenever and wherever possible.

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