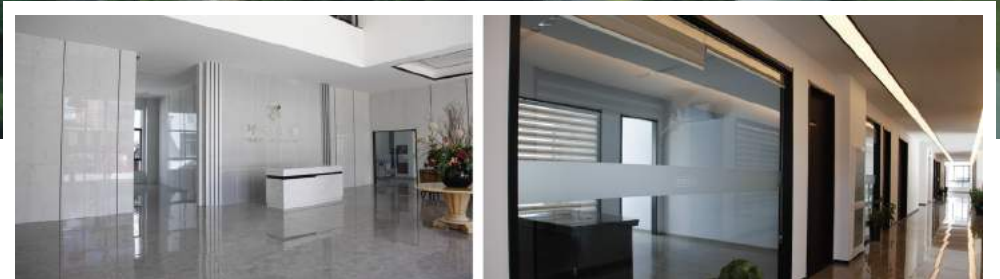




SCREW AIR COMPRESSOR

ENERGY CONSERVATION INNOVATION SMART





ABOUT US

Head office is located in Hengjle town, Luqiao district, Taizhou city, Zhejiang province, about 3 kilometers away from taizhou airport, and Ningbo port is around 220KM, The traffic is very convenient for your visit. Our company owns an area of 50000 square meters and has more than 300 staff. We have advanced production equipment and well familiar with the process of mass production, have high precision measuring instruments and high efficiency of the automatic assembly lines to ensure the quality and quantity of the product.

We have strong technical strength and production management, gathering the technical team and management team from the leading enterprise of air compressor in domestic. We set up our own lab and development team, with a strong ability to develop the product, meeting the different demand from the different customer and different market. We take the market demand as the guidance, striving for the survivaloy quality and for the development by innovation, always put customers, quality and innovation in the first place, follow up the professional management and continuously satisfy the demand of the customer.

We always follow up the principle of people—oriented, legitimate business, honest & trustworthy, focus on the industry of the air compressor, with the effort to create a first-class brand in the industry of air compressor.

WHY CHOOSE US

CUSTOMIZATION

We have our own development team with a strong successor to the development of ability and satisfy different customers' needs.

COST

We have our own machining factory. So we can offer the best price and best products directly.

QUALITY

We have our own testing lab and advanced and complete in spection equipment, which can ensure the quality of the products

CAPACITY

Our annual screw compressor production capacity is over 40000 pc, piston air compressor production capacity is over 300000 pc. which we can meet the needs of different customers with different purchase quantity.

SERVICE

We focus on developing high-quality products for top-end markets. Our products are in line with international standards and are mainly exported to Europe, America, Japan, and other destinations around the world.

SHIPMENT

We are only 220 kilometers away from the Ningbo Port, it is very convenient and efficient to ship goods to any other countries.

ENERGY SAVING

Ultra-low frequency speed control technology far surpasses standard VSD compressor systems. Capable of lower than 15Hz operation, this system is truly capable of constant variable pressure operation and significant energy saving.

HIGH RELIABILITY

USoft-start feature allows for little or no impact on the power supply system and marginalises mechanical wear and tear up on start-up. Leakage is always present in any air system. At full pressure a good system can lose 0.2Mpa. Zerlion VSD machines can reduce that loss by up to 25% simply by supplying the air pressure that is required.

MUTE ENVIRONMENTAL PROTECTION

Advanced Vector variable frequency control reduces vibration and noise. The unit can be used without the requirement for a special room. This means saving of all resources required to install a machine in an external location such as pipe and power lines and land. Oil exhaust output is lower than 3ppm thus negating environmental impact.

ENERGY SAVING 30% & LONGER LIFE

Utilising frequency control for the cooling fan and drive motor allows for up to 30% energy savings. This translates into less frequent servicing of the screw compressor thus further significant savings are achieved over the life of the machine.



AIR-END

1. Adopts the international top-level third-generation asymmetric wire twin-screw air end, adheres to the exquisite manufacturing process, adopts the peak high efficiency low-pressure, high-efficiency tooth shape and the axial air inlet design.
2. Optimized flow channel design, with a large rotor, low speed and high efficiency. Increased energy efficiency by 5% -15% compared to the second generation.
3. Uses Swedish SKF heavy-duty bearings, double-lip lip shaft seal, durable and reliable. The bearing design life is 80,000-100,000 hours and the air end design life is about 200,000 hours.



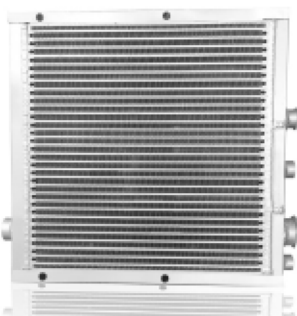
MOTOR

1. The motor uses high-performance motors of well-known brands. Permanent magnet synchronous motors (PM motors) use high-performance NdFeB permanent magnets which will not lose magnetism under 200 ° and its service life reaches as long as 15 years.
2. The stator coil uses the frequency converter special halo proof enameled wire, the insulation is outstanding and the service life is longer.
3. The motor has the function of temperature protection. It also has a wide range of motor speed regulation, high precision and wide range of volume regulation. The reliability is significantly improved with small size, low noise and large excess current.
4. Protection grade IP55, insulation grade F, effectively protects the motor and increases the service life of the motor, the efficiency is 5%-7% higher than similar products.



FAN

1. The fan uses a large fan design to effectively enhance the fan's heat dissipation effect. The motor adopts a special internal design to adapt to harsh working conditions.
2. The fan motor adopts special winding and high protection grade design to adapt to harsh working conditions.
3. The fan is controlled by the controller to realize the automatic start and stop function, which effectively maintains the normal working temperature of the air compressor lubricant.



COOLER

1. The heat exchanger uses high-quality raw materials and a unique internal channel design, which increases the heat exchange area and can effectively dissipate heat for the air compressor.
2. The inner wall of the heat exchanger is treated with corrosion protection to increase the service life of the heat exchanger and increase the heat transfer effect.
3. The radiator has passed the strict factory test, and the quality is reliable, which effectively prevents the high temperature of the air compressor and increases the service life of the machine.



INTAKE VALVE

1. Intake valve is the core component to control the air intake of the air compressor.
2. Adopting the world famous brand air intake valve, it can automatically adjust the air volume by 0-100% according to the requirement of the system air quantity. It promises small pressure loss, stable action and long life consequently reduced operating costs.

CONTROLLER



1. Adopts PLC multilanguage control system, beautiful and intuitive interface, easy to operate function, operators can quickly and easily adjust the compressor.
2. 14 protection functions such as overload protection, short circuit protection, reverse protection, low temperature protection, high voltage protection, etc. to fully protect the unit.
3. The advanced microcomputer control drive system realizes intelligent control, air volume variable speed control, automatic adjustment of load start and soft start. Intelligent dynamic control, dynamic display of the working status of each component of the compressor, visual pressure, temperature, current working curve, etc.
4. Large memory and equipped with printer interface; It can use computer remote monitoring or multiple linkage control between air compressors.

INVERTER



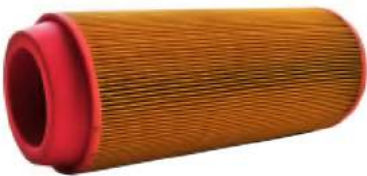
1. The standard is equipped with high frequency reactor, effectively reducing the frequency converter and the external magnetic field dry reactance.
2. Reliably reduces peak current when it is started, realizes stable starting.
3. With high-performance current vector technology, it can easily drive induction motors.
4. High performance, high quality and high power density design, as well as significant improvements in usability, maintainability, environmental protection, installation space, and design standards, can further optimize the user experience.
5. Independent air duct design, resistances to all kinds of severe environmental pollution.
6. Rapidly track the change of pressure and control pressure fluctuation within $\pm 0.01\text{Mpa}$, optimal power is used to accurately provide necessary air.

OIL FILTER



1. Adopts high-density filter material, the surface is treated with nano-electroplating.
2. The filter element has uniform pore size, small filter resistance, large flux, strong interception ability and long service life.
3. High filtration accuracy effectively filters impurities in lubricating oil, prolongs the service life of the equipment.

AIR FILTER



- Adopting a design with high dust holding capacity and low flow resistance, which can filter out tiny fixed particles in the air. The dust removal effect can reach 99.5%, ensuring the normal operation of the components of the system and extending the service life.

AIR-OIL SEPARATOR CORE



- The high-quality air-oil separation element and gas-liquid filter element are equipped with advanced three-stage air-oil separation to keep the oil content below 3ppm to ensure the output of high-quality compressed air.



INTEGRATED AIR SOLUTION

FIXED SPEED SCREW AIR COMPRESSOR

1. Advanced High Efficiency Air End
2. Flexible Coupling Direct Drive
3. Intelligent Microcomputer Control System
4. Safe, Reliable and Efficient Motor
5. Unique Heat Removal & Cooling System



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FIXED SPEED SCREW AIR COMPRESSOR

1. Advanced High Efficiency Air End

Adopts industry-leading screw air end, high efficiency and low rotating speed. With the third generation tooth type of rotor, cutting-edge geometric design-stable, reliable, energy saving and long service life

2. Flexible Coupling Direct Driven

Adopts direct connection structure without any loss, transmission efficiency is 100%, maintenance cost is low, disassembles convenient, greatly save the downtime. Easy maintenance air end maintenance only need to disassemble the air end, motor maintenance only need to disassemble motor, do not affect each other.

3. Intelligent Microcomputer Control System

Adopts intelligent control system to ensure fully automated intelligent operation, detect exhaust pressure, temperature and other field data, and control the exhaust pressure within the preset pressure range through the intake valve, so as to output stable pressure.

4. Safe,Reliable and Efficient Motor

Adopts unique low-speed motor, protection grade IP55, insulation grade F, suitable for bad working conditions. High balance precision, high speed running smoothly.

5. Unique Heat Removal &Cooling System

Adopts advanced design, harmonica radiator, effectively increase the heat dissipation area, run faster and smoother, and take away the heat of the machine in time. The heat exchange effect of the same area is 30% higher than that of the traditional cooler. Even in the Asia-Pacific region with high temperature and high humidity, the normal operation of the unit can be guaranteed.

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Fixed Speed Screw Air Compressor Specification 7.5kw-75kw

MODEL		RAI7.5A	RAI11A	RAI15A	RAI22A	RAI30A	RAI37A	RAI45A	RAI55A	RAI75A
Motor	Power (Kw)	7.5	11	15	22	30	37	45	55	75
	Horsepower	10	15	20	30	40	50	60	75	100
Air displacement Working pressure (m ³ /min) / Mpa	380V 50Hz	1.3 / 0.7	1.7 / 0.7	2.5 / 0.7	3.8 / 0.7	5.3 / 0.7	6.8 / 0.7	8.0 / 0.7	10.1 / 0.7	13.6 / 0.7
		1.2 / 0.8	1.6 / 0.8	2.3 / 0.8	3.6 / 0.8	5.0 / 0.8	6.2 / 0.8	7.3 / 0.8	9.5 / 0.8	12.8 / 0.8
		1.0 / 1.0	1.4 / 1.0	2.1 / 1.0	3.2 / 1.0	4.5 / 1.0	5.6 / 1.0	7.0 / 1.0	8.7 / 1.0	12.3 / 1.0
		0.8 / 1.3	1.2 / 1.3	1.9 / 1.3	2.8 / 1.3	4.0 / 1.3	5.0 / 1.2	5.9 / 1.3	7.8 / 1.3	10.2 / 1.3
Air outlet diameter		DN20	DN25	DN25	DN25	DN40	DN40	DN40	DN50	DN50
Lubricant oil volume (L)		10	16	18	18	30	30	30	65	65
Noise level dB(A)		60±2	62±2	62±2	64±2	66±2	66±2	68±2	70±2	70±2
Driven method		Direct driven	Direct driven	Direct driven	Direct driven	Direct driven	Direct driven	Direct driven	Direct driven	Direct driven
Start method		Y-Δ	Y-Δ	Y-Δ	Y-Δ	Y-Δ	Y-Δ	Y-Δ	Y-Δ	Y-Δ
Weight (kg)		240	400	420	580	600	800	850	1660	1800
External dimension	Length (mm)	880	1080	1080	1280	1280	1400	1400	1800	1800
	Width (mm)	700	750	750	850	850	1000	1000	1230	1230
	Height (mm)	920	1000	1000	1160	1160	1290	1290	1570	1570

FIXED SPEED SCREW AIR COMPRESSOR

1. Advanced High Efficiency Air End
2. Flexible Coupling Direct Drive
3. Intelligent Microcomputer Control System
4. Safe, Reliable and Efficient Motor
5. Unique Heat Removal & Cooling System



Fixed Speed Screw Air Compressor Specification 90kw-355kw

MODEL		RAI90A	RAI110A	RAI132A	RAI160A	RAI185A	RAI220A	RAI250A	RAI315A	RAI355A
Motor	Power (Kw)	90	110	132	160	185	220	250	315	355
	Horsepower	125	150	175	215	250	300	350	400	450
Air displacement Working pressure (m ³ /min) / Mpa	380V 50Hz	16.2 / 0.7	21.2 / 0.7	24.5 / 0.7	28.8 / 0.7	32.5 / 0.7	36.0 / 0.7	43.0 / 0.7	52.0 / 0.7	64.0 / 0.7
		15.5 / 0.8	19.8 / 0.8	23.2 / 0.8	27.8 / 0.8	31.2 / 0.8	34.3 / 0.8	41.5 / 0.8	50.2 / 0.8	61.0 / 0.8
		14.0 / 1.0	17.8 / 1.0	20.5 / 1.0	25.0 / 1.0	28.0 / 1.0	30.5 / 1.0	38.2 / 1.0	44.5 / 1.0	56.5 / 1.0
		12.5 / 1.3	15.5 / 1.3	17.8 / 1.3	22.4 / 1.3	25.8 / 1.3	28.0 / 1.3	34.9 / 1.3	39.5 / 1.3	49.0 / 1.3
Air outlet diameter		DN50	DN65	DN65	DN65	DN65	DN80	DN80	DN80	DN80
Lubricant oil volume (L)		72	90	90	100	100	120	120	140	140
Noise level dB(A)		70±2	70±2	70±2	73±2	73±2	80±2	80±2	80±2	80±2
Driven method		Direct driven	Direct driven	Direct driven	Direct driven	Direct driven	Direct driven	Direct driven	Direct driven	Direct driven
Start method		Y-Δ	Y-Δ	Y-Δ	Y-Δ	Y-Δ	Y-Δ	Y-Δ	Y-Δ	Y-Δ
Weigh (kg)		1900	2500	2700	3000	3500	4000	4500	6000	6500
External dimension	Length (mm)	1800	2400	2400	2400	3150	3150	3150	3150	3150
	Width (mm)	1230	1470	1470	1470	1980	1980	1980	1980	1980
	Height (mm)	1570	1840	1840	1840	2150	2150	2150	2150	2150



INTEGRATED AIR SOLUTION

PM VSD SCREW AIR COMPRESSOR

1. Intelligent Control System
2. The Latest Generation High Efficiency Permanent Motor
3. The Latest Generation Super Stable Inverter
4. Wide Working Frequency Range To Save Energy
5. Small Start-up Impact
6. Low Noise



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PM VSD SCREW AIR COMPRESSOR

1. Intelligent Control System

Direct display of discharge temperature and pressure, operating frequency, current, power, operating state. Real time monitoring of discharge temperature and pressure, current, frequency fluctuations.

2. The Latest Generation High Efficiency Permanent Motor

Insulation grade F, protective grade IP55, suitable for the bad working conditions. No gearbox design, motor and main rotor through the coupling directly connected, high transmission efficiency. Wide range of speed regulation, high precision, wide range of air flow regulation. The efficiency of the permanent magnet motor is higher 3%-5% than regular motor, efficiency is constant, when the speed drops, still remain the high efficiency.

3. The Latest Generation Super Stable Inverter

Constant pressure air supply, air supply pressure is accurately controlled within 0.01Mpa. Constant temperature air supply, general constant temperature set at 85°C make the best oil lubrication effect and avoid high temperature to stop. No empty load, reduce energy consumption by 45%, eliminate excess pressure. For each 0.1mpa increase of air compressor pressure, energy consumption increases by 7%. Vector air supply, accurate calculation, to ensure that the air compressor production and customer system air demand at all times to maintain the same.

4. Wide Working Frequency Range To Save Energy

Frequency conversion ranges from 5% to 100%. When the user's gas fluctuation is large, the more obvious energy saving effect and the lower the low-frequency running noise, applicable to any place.

5. Small Start-up Impact

Use frequency conversion permanent magnet motor, start smooth and soft. When the motor starts, the current does not exceed the rated current, which does not affect the power grid and the mechanical wear of the main engine, greatly reduces the power failure and prolongs the service life of the main screw machine.

6. Low Noise

The inverter is a soft start device, the start-up impact very small, noise will be very low when start-up. At the same time, PM VSD compressor running frequency is less than the fixed speed compressor during stable operation, mechanical noise decreases very much.

PM VSD SCREW AIR COMPRESSOR

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PM VSD Screw Air Compressor Specification 7.5kw-75kw

MODEL		RAI7PM	RAI11PM	RAI15PM	RAI22PM	RAI30PM	RAI37PM	RAI45PM	RAI55PM	RAI75PM
Motor	Power (Kw)	7.5	11	15	22	30	37	45	55	75
	Horsepower	10	15	20	30	40	50	60	75	100
Air displacement Working pressure (m ³ /min) / Mpa	380V 50Hz	1.3 / 0.7	1.7 / 0.7	2.5 / 0.7	3.8 / 0.7	5.3 / 0.7	6.8 / 0.7	8.0 / 0.7	10.1 / 0.7	13.6 / 0.7
		1.2 / 0.8	1.6 / 0.8	2.3 / 0.8	3.6 / 0.8	5.0 / 0.8	6.2 / 0.8	7.3 / 0.8	9.5 / 0.8	12.8 / 0.8
		1.0 / 1.0	1.4 / 1.0	2.1 / 1.0	3.2 / 1.0	4.5 / 1.0	5.6 / 1.0	7.0 / 1.0	8.7 / 1.0	12.3 / 1.0
		0.8 / 1.3	1.2 / 1.3	1.9 / 1.3	2.8 / 1.3	4.0 / 1.3	5.0 / 1.2	5.9 / 1.3	7.8 / 1.3	10.2 / 1.3
Air outlet diameter		DN20	DN25	DN25	DN25	DN40	DN40	DN40	DN50	DN50
Lubricant oil volume (L)		10	16	18	18	30	30	30	65	65
Noise level dB(A)		60±2	62±2	62±2	64±2	66±2	66±2	68±2	70±2	70±2
Driven method		Direct driven	Direct driven	Direct driven	Direct driven	Direct driven	Direct driven	Direct driven	Direct driven	Direct driven
Start method		PM VSD	PM VSD	PM VSD	PM VSD	PM VSD	PM VSD	PM VSD	PM VSD	PM VSD
Weight (kg)		240	400	420	580	600	800	850	1660	1800
External dimension	Length (mm)	880	1080	1080	1280	1280	1400	1400	1800	1800
	Width (mm)	700	750	750	850	850	1000	1000	1230	1230
	Height (mm)	920	1000	1000	1160	1160	1290	1290	1570	1570

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PM VSD Screw Air Compressor Specification 90kw-355kw

MODEL		RAI90PM	RAI110PM	RAI132PM	RAI160PM	RAI185PM	RAI220PM	RAI250PM	RAI315	RAI355PM
Motor	Power (Kw)	90	110	132	160	185	220	250	315	355
	Horsepower	125	150	175	215	250	300	350	400	450
Air displacement Working pressure (m3/min) / Mpa	380V 50Hz	16.2 / 0.7	21.2 / 0.7	24.5 / 0.7	28.8 / 0.7	32.5 / 0.7	36.0 / 0.7	43.0 / 0.7	52.0 / 0.7	64.0 / 0.7
		15.5 / 0.8	19.8 / 0.8	23.2 / 0.8	27.8 / 0.8	31.2 / 0.8	34.3 / 0.8	41.5 / 0.8	50.2 / 0.8	61.0 / 0.8
		14.0 / 1.0	17.8 / 1.0	20.5 / 1.0	25.0 / 1.0	28.0 / 1.0	30.5 / 1.0	38.2 / 1.0	44.5 / 1.0	56.5 / 1.0
		12.5 / 1.3	15.5 / 1.3	17.8 / 1.3	22.4 / 1.3	25.8 / 1.3	28.0 / 1.3	34.9 / 1.3	39.5 / 1.3	49.0 / 1.3
Air outlet diameter		DN50	DN65	DN65	DN65	DN65	DN80	DN80	DN80	DN80
Lubricant oil volume (L)		72	90	90	100	100	120	120	140	140
Noise level dB(A)		70±2	70±2	70±2	73±2	73±2	80±2	80±2	80±2	80±2
Driven method		Direct driven	Direct driven	Direct driven	Direct driven	Direct driven	Direct driven	Direct driven	Direct driven	Direct driven
Start method		PM VSD	PM VSD	PM VSD	PM VSD	PM VSD	PM VSD	PM VSD	PM VSD	PM VSD
Weight (kg)		1900	2500	2700	3000	3500	4000	4500	6000	6500
External dimension	Length (mm)	1800	2400	2400	2400	3150	3150	3150	3150	3150
	Width (mm)	1230	1470	1470	1470	1980	1980	1980	1980	1980
	Height (mm)	1570	1840	1840	1840	2150	2150	2150	2150	2150

TWO-STAGE PM VSD SCREW AIR COMPRESSOR

- 1. More Energy Efficient
- 2. More Stable
- 3. More Efficient
- 4. More Comfortable
- 5. More Compact



FEATURES

1. Two-stage compression reduces the compression ratio of each stage, reduces internal leakage, improves volumetric efficiency, reduces bearing load, and increases the life of the air end.
2. Two-stage PM VSD replaces single-stage compression, and the displacement is increased by nearly 15%, which can achieve an additional 15% energy saving effect.
3. The rotor adopts the latest patented rotor UV profile, which has been refined by more than 20 procedures to ensure the accuracy, reliability, and effectiveness of the rotor profile.
4. Two-stage PM VSD air compressor mainframe is more efficient and more energy-saving. It can save up to 40% energy compared with ordinary industrial frequency machines. Calculated at 8000h/unit/year, it can save electricity costs 30,000 USD per year.

ADVANTAGES

1. More Energy Efficient

Two-stage PM VSD rotor is directly driven through the gears, and each stage of the rotor can obtain the best speed. The Air end is always running at the best energy-saving speed. The frequency conversion soft-start reduces the energy consumption of the air compressor during startup. By controlling the pressure between stages, the compressor always works at the best efficiency point under different working conditions. Compared with single-stage fixed speed air compressor, in principle, two-stage PM VSD air compressor can save 40% energy.

2. More Stable

There is no mechanical transmission failure, the motor, and the male rotor adopt an integrated shaft structure, and there is no need for coupling and gear transmission, eliminating the hidden danger of coupling and gear failure.

3. More Efficient

PM VSD motor+ no transmission efficiency loss.

PM VSD motor has the advantages of energy-saving and excellent performance.

The one-piece structure can reduce the efficiency loss of coupling and gear.

4. More Comfortable

Low noise and low vibration. No motor and bearing noise, no gear noise, no coupling noise.

5. More Compact

The PM VSD motor is small in size, and the integrated structure saves space.

TWO STAGE PM VSD Screw Air Compressor Specification

7.5kw-75kw

MODEL		RAI15II-PM	RAI18II-PM	RAI22II-PM	RAI30II-PM	RAI37II-PM	RAI45II-PM	RAI55II-PM	RAI75II-PM
Motor	Power (Kw)	15	18:05	22	30	37	45	55	75
	Horsepower	20	25	30	40	50	60	75	100
Air displacement Working pressure (m ³ /min) / Mpa	380V 50Hz	3.0 / 0.7	3.6 / 0.7	4.2 / 0.7	6.5 / 0.7	7.2 / 0.7	9.8 / 0.7	12.8 / 0.7	17.5 / 0.7
		2.9 / 0.8	3.5 / 0.8	4.1 / 0.8	6.4 / 0.8	7.1 / 0.8	9.7 / 0.8	12.5 / 0.8	16.5 / 0.8
		2.4 / 1.0	2.9 / 1.0	3.5 / 1.0	4.9 / 1.0	6.3 / 1.0	7.8 / 1.0	9.6 / 1.0	12.5 / 1.0
		2.2 / 1.3	2.5 / 1.3	3.2 / 1.3	4.2 / 1.3	5.4 / 1.2	6.5 / 1.3	8.6 / 1.3	11.2 / 1.3
Air outlet diameter		DN25	DN25	DN25	DN40	DN40	DN40	DN50	DN50
Lubricant oil volume (L)		18	16	18	30	30	30	65	65
Noise level dB(A)		62±2	62±2	64±2	66±2	66±2	68±2	70±2	70±2
Driven method		Direct driven	Direct driven	Direct driven	Direct driven	Direct driven	Direct driven	Direct driven	Direct driven
Start method		PM VSD	PM VSD	PM VSD	PM VSD	PM VSD	PM VSD	PM VSD	PM VSD
Weight (kg)		780	800	820	1080	1100	1120	2080	2100
External dimension	Length (mm)	1480	1480-	1480	1720	1720	1720	21000	2100
	Width (mm)	850	850	850	1110	1110	1110	1350	1350
	Height (mm)	1180	1180	1180	1480	1480	1480	1720	1720

TWO STAGE PM VSD Screw Air Compressor Specification

90kw-355kw

MODEL		RAI90II-PM	RAI110II-PM	RAI132II-PM	RAI160II-PM	RAI185II-PM	RAI200II-PM	RAI220II-PM	RAI250II-PM	RAI355PM
Motor	Power (Kw)	90	110	132	160	185	200	220	250	355
	Horsepower	125	150	175	215	250	270	300	350	450
Air displacement Working pressure (m ³ /min) / Mpa	380V 50Hz	20.8 / 0.7	24.5 / 0.7	30.0 / 0.7	34.5 / 0.7	41.0 / 0.7	44.6 / 0.7	48.6 / 0.7	55.0 / 0.7	64.0 / 0.7
		19.8 / 0.8	23.5 / 0.8	28.0 / 0.8	33.6 / 0.8	38.4 / 0.8	43.0 / 0.8	47.0 / 0.8	54.0 / 0.8	61.0 / 0.8
		16.9 / 1.0	19.7 / 1.0	23.5 / 1.0	30.0 / 1.0	32.5 / 1.0	38.5 / 1.0	41.0 / 1.0	46.0 / 1.0	56.5 / 1.0
		14.3 / 1.3	17.6 / 1.3	19.8 / 1.3	23.8 / 1.3	28.6 / 1.3	32.8 / 1.3	38.0 / 1.3	40.0 / 1.3	49.0 / 1.3
Air outlet diameter		DN50	DN65	DN65	DN65	DN65	DN80	DN80	DN80	DN80
Lubricant oil volume (L)		72	90	90	100	100	120	120	140	140
Noise level dB(A)		70±2	70±2	73±2	73±2	73±2	80±2	80±2	80±2	80±2
Driven method		Direct driven	Direct driven	Direct driven	Direct driven	Direct driven	Direct driven	Direct driven	Direct driven	Direct driven
Start method		PM VSD	PM VSD	PM VSD	PM VSD	PM VSD	PM VSD	PM VSD	PM VSD	PM VSD
Weight (kg)		3280	3480	3980	4280	5450	5600	6500	6600	6500
External dimension	Length (mm)	2460	2460	2900	2900	3800	3800	3800	3800	3150
	Width (mm)	1700	1700	1800	1800	1980	1980	1980	1980	1980
	Height (mm)	1900	1900	2020	2020	2150	2150	2150	2150	2150

RotorAir

INTEGRATED AIR SOLUTION

4-IN-1 AIR COMPRESSOR



WHY CHOOSE A 4-IN-1 AIR COMPRESSOR?

1. Two-stage compression reduces the compression ratio of each stage, reduces internal leakage, improves volumetric efficiency, reduces bearing load, and increases the life of the air end.
2. Two-stage PM VSD replaces single-stage compression, and the displacement is increased by nearly 15%, which can achieve an additional 15% energy saving effect.
3. The rotor adopts the latest patented rotor UV profile, which has been refined by more than 20 procedures to ensure the accuracy, reliability, and effectiveness of the rotor profile.
4. Two-stage PM VSD air compressor mainframe is more efficient and more energy-saving. It can save up to 40% energy compared with ordinary industrial frequency machines. Calculated at 8000h/unit/year, it can save electricity costs 30,000 USD per year.

INTEGRATED AIR SOLUTION

4-IN-1 AIR COMPRESSOR



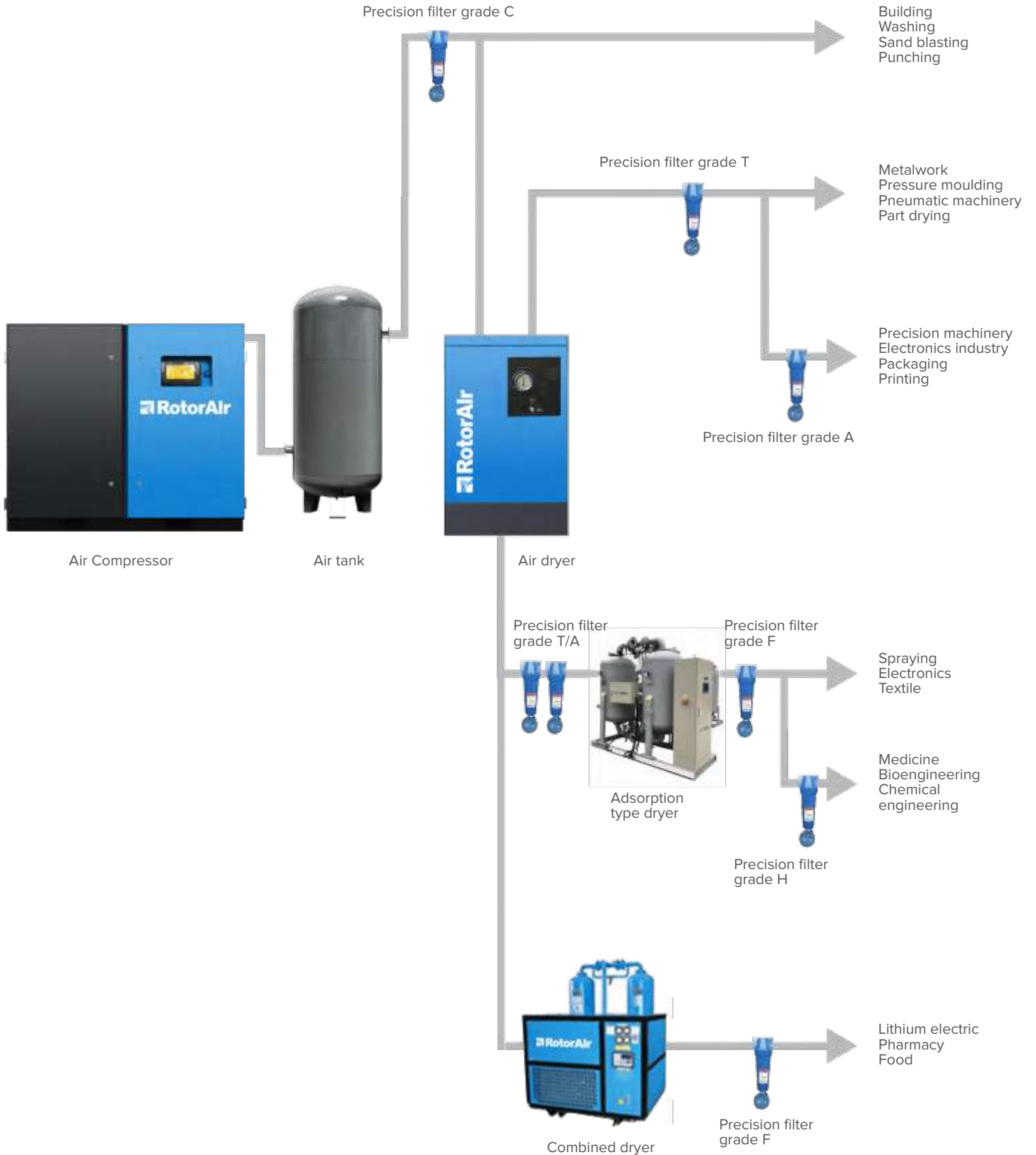
4-IN-1 Screw Air Compressor Specification

MODEL		RAI7TM	RAI7TMPM	RAI11TM	RAI11TMPM	RAI15TM	RAI15TMPM	RAI18TM	RAI18TMPM	RAI22TM	RAI22TMPM
Motor	Power (Kw)	7.5	7.5	11	11	15	15	18.5	18.5	22	22
	Horsepower	10	10	15	15	20	20	25	25	30	30
Air displacement Working pressure (m ³ /min) / Mpa	380V 50Hz	1.3 / 0.7	1.3 / 0.7	1.7 / 0.7	1.7 / 0.7	2.5 / 0.7	2.5 / 0.7	3.2 / 0.7	3.2 / 0.7	3.8 / 0.7	3.8 / 0.7
		1.2 / 0.8	1.2 / 0.8	1.6 / 0.8	1.6 / 0.8	2.3 / 0.8	2.3 / 0.8	3.0 / 0.8	3.0 / 0.8	3.6 / 0.8	3.6 / 0.8
		1.0 / 1.0	1.0 / 1.0	1.4 / 1.0	1.4 / 1.0	2.1 / 1.0	2.1 / 1.0	2.7 / 1.0	2.7 / 1.0	3.2 / 1.0	3.2 / 1.0
		0.8 / 1.3	0.8 / 1.3	1.2 / 1.3	1.2 / 1.3	1.9 / 1.3	1.9 / 1.3	2.4 / 1.3	2.4 / 1.3	2.8 / 1.3	2.8 / 1.3
Air outlet diameter		DN20	DN20	DN25	DN25	DN25	DN25	DN25	DN25	DN25	DN25
Lubricant oil volume (L)		10	10	16	16	18	18	18	18	18	18
Noise level dB(A)		60±2	60±2	62±2	62±2	62±2	62±2	66±2	66±2	66±2	66±2
Driven method		Direct driven	PM VSD	Direct driven	PM VSD	Direct driven	PM VSD	Direct driven	PM VSD	Direct driven	Direct driven
Start method		Y-Δ		Y-Δ		Y-Δ		Y-Δ		Y-Δ	
Weight (kg)		400	400	550	550	560	560	690	690	720	720
External dimension	Length (mm)	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400
	Width (mm)	700	700	750	750	750	750	850	850	850	850
	Height (mm)	1400	1400	1670	1670	1670	1670	1830	1830	1830	1830

RotorAir

INTEGRATED AIR SOLUTION

COMPRESSED AIR PURIFICATION SYSTEM FLOW CHART





RotorAir

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