AKSHAYA ENGINEERINGS

EXCELLENT SERVICE IN A TIMELY MANNER



PRODUCT CATALOGUE

VIEW OUR BUSINESS CATALOGUE

ARLIMA AIRTECH

COMPRESSING INNOVATIONS

AKSHAYA ENGINEERINGS

WELCOME

YOUR AIR SYSTEM SPECIALISTS

At Akshaya Engineers, we take pride in being your trusted partner for complete compressed air solutions. Based in Bangalore, we specialize in air compressor maintenance, spare parts, multibrand air-compressor dependable service with a focus on performance, reliability, and energy efficiency.

Our goal is simple: to keep your systems running at peak performance while reducing downtime and energy costs.

LESS POWER,
MORE PERFORMANCE

- → Air Compression Solution Provider
- → Air Compression System Integrator
- → Air Vision Focus On Energy Saving







ARLIMA AIRTECH
COMPRESSING INNOVATIONS

ABOUT

AKSHAYA ENGINEERS

Akshaya Engineers, based in Bangalore, is a service-oriented company specializing in air compressor maintenance, spare parts, and lubricants. Our team of professionals is dedicated to understanding and fulfilling customer needs promptly and at competitive prices.



Akshaya Engineerings provides comprehensive compressed air solutions, from compressor installation to pneumatic piping system design.

We supply multi-brand compressor parts and lubricants from brands like Atlas Copco, Kaeser, Chicago Pneumatic, ELGI, Ingersoll Rand, Gardner Denver, and Comp Air. Our services include scheduled maintenance, predictive diagnostics, and air compressor repairs using high-efficiency parts. Our maintenance programs are tailored to meet specific customer requirements, whether it's a comprehensive package or timely delivery of the right parts.

We provide a warranty on our compressor service programs and parts, ensuring ongoing performance and system efficiency. Our high-efficiency spare parts help prevent breakdowns and keep your compressed air network operating at peak performance 24/7.

OUR

KEY OFFERINGS

Preventive & Periodic Maintenance

Schedule-based part replacements using data analytics to avoid downtime.

Fast Response

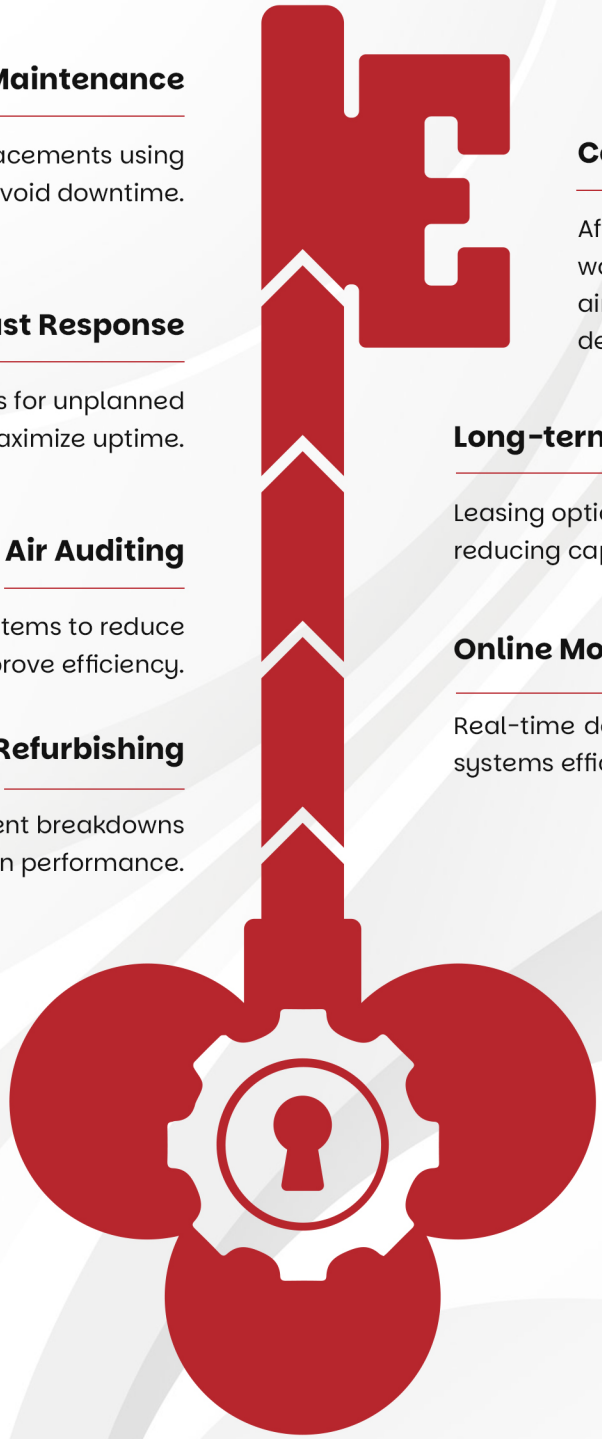
Quick response guarantees for unplanned issues to maximize uptime.

Air Auditing

Optimizing compressed air systems to reduce energy costs and improve efficiency.

Airend Refurbishing

Planned exchanges to prevent breakdowns and maintain performance.



Competitive Pricing

Affordable rates with service warranties for parts and labor. Our air compressor repair services are dependable and highly reliable.

Long-term Lease

Leasing options tailored to project needs, reducing capital investment.

Online Monitoring

Real-time data to monitor and maintain air systems efficiently.

OUR SERVICES

Akshaya Engineers offers innovative rebuild and exchange programs for Airends across all major brands. Planned Airend exchanges are cost-effective and prevent unscheduled downtime.

For any air compressor sales and service needs, please register us in your mailing list. We assure you of our best services at all times.



















VIEW OUR

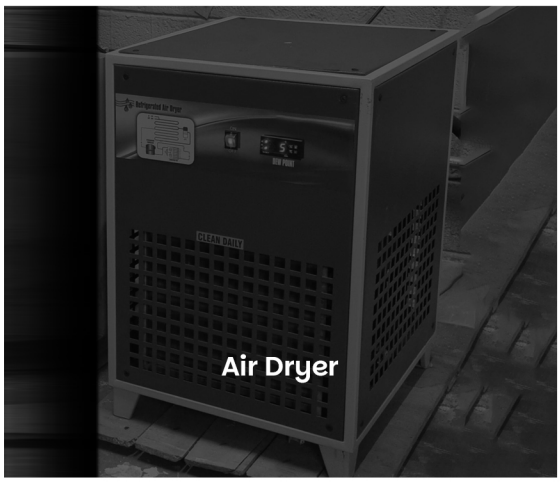
PRODUCTS



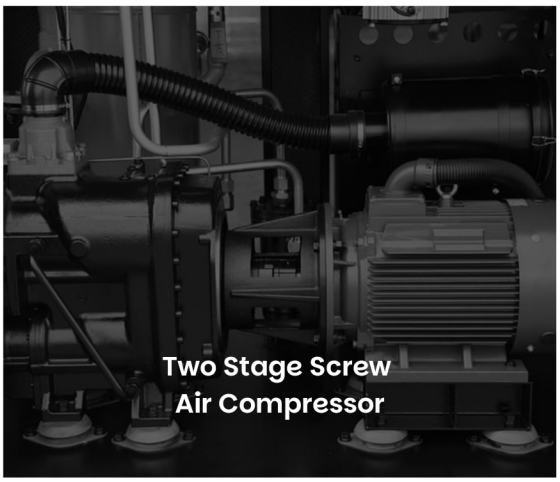
Fixed Speed Screw
Air Compressor



Pm Vsd Screw
Air Compressor



Air Dryer



Two Stage Screw
Air Compressor



Air Receiver
Tank



Screw Compressor
Spare Parts

SCREW
AIR COMPRESSOR

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.

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 compressor lubricant.

AIR-END

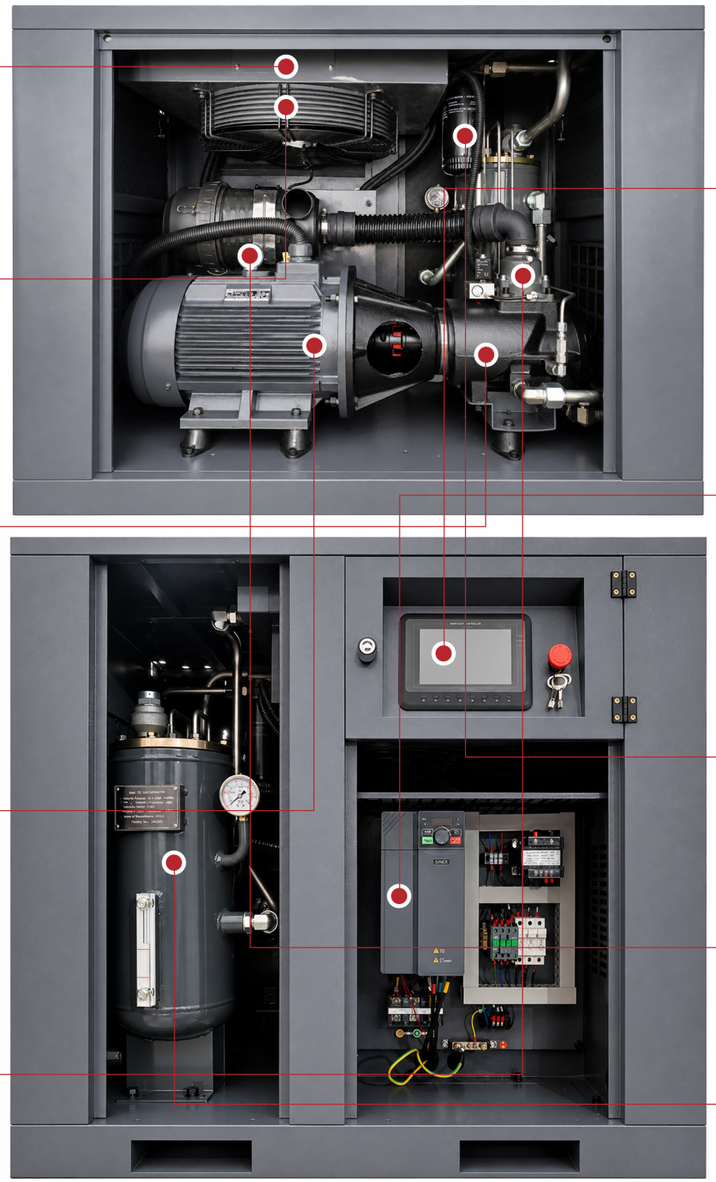
1. Adopts the international top-level third-generation asymmetric twin screw air end, adheres to the exquisite manufacturing process, adopts the peak high efficiency low-pressure, high-efficiency tooth shape and the axial air inlet design.
2. Optimized flow channel design, with a large rotor, low speed and high efficiency. Increased energy efficiency by 5%–15% compared to the second generation.
3. Uses Swedish SKF heavy-duty bearings, double-lip 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°C, and its service life reaches as long as 15 years.
2. The stator coil uses the frequency conversion special high-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.

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 multilingaul control system, beautiful and intutive 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 ±0.01Mpa,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 flow, 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.

HIGH EFFICIENCY
High efficiency design helps reduce energy consumption and operating costs.

STABLE PERFORMANCE
Wide speed regulation range with high precision ensures stable and reliable operation.

LONG SERVICE LIFE
Premium materials and advanced technology ensure long life, low maintenance and high reliability.

LOW NOISE
Optimized structure and design for quieter operation in all conditions.

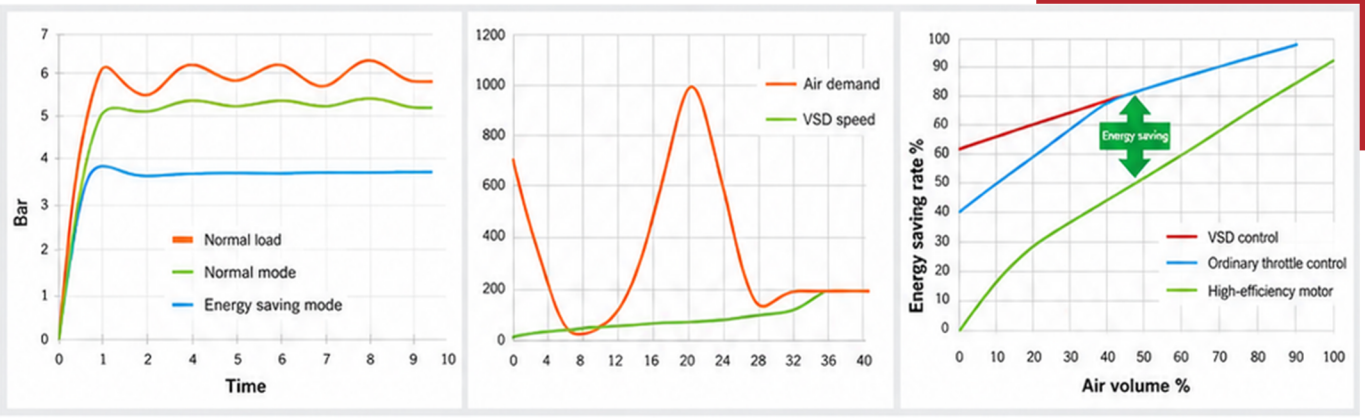
WIDE APPLICATION
Ideal for air compressors and various industrial applications in harsh environments.

RELIABLE POWER FOR YOUR SUCCESS

PM VSD SCREW AIR COMPRESSOR

OVERALL ENERGY SAVING

Compared with power fixed speed air compressor, variable speed air compressor has practiacl significance in energy saving

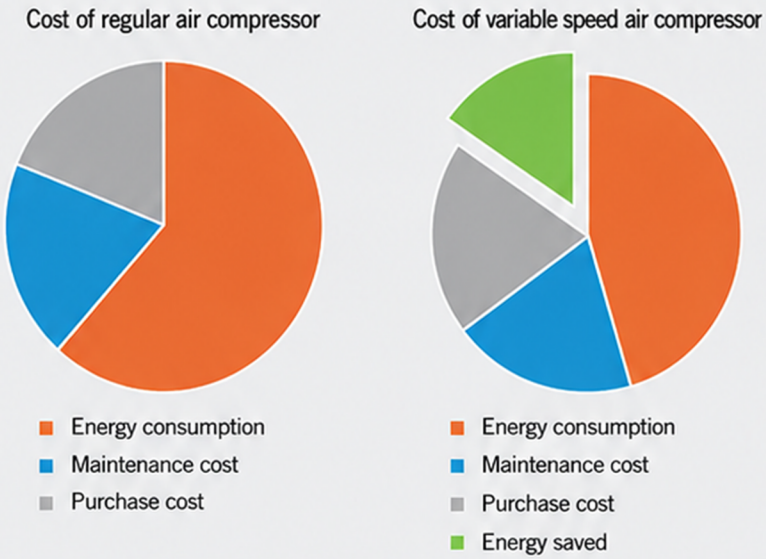


1. The pressure control of variable speed air compressor is precise. It can quickly respond to pressure changes, adjust the speed of the permanent magnet motor, control the pressure fluctuation range within ±0.1bar, stabilize the pressure of the pipe network, prolong the necessary air volume, with the most reasonable power, and reduce excess energy loss.

2. Variable speed air compressor adopts the method of frequency conversion starting, eliminating the peak current of the star-delta starting and starting impact, reduces the impact on the power grid and equipment, and can reduce the equipment operation noise.

3. Variable speed control is more excellent than ordinary throttle control. The adjustment range of the flow rate is larger, and with the high-efficiency permanent magnet motor, the energy saving effect is more significant at a low percentage flow rate.

Most of the cost in the life cycle of the air compressor is generated by the electricity it consumes. The power consumption of the compressor is closely related to the on-site air planning. The variable speed air compressor can not only ensure smooth production, but also save considerable electricity costs and achieve a win-win situation for the enterprise.



TECHNICAL **SPECIFICATION**

Model No.	KW	HP	RPM	PRESSURE	CFM	NOICE (DB)	WEIGHT	DIMENTIONS		
								L	W	H
AA	7.5	10	2900	07	43	60 ± 2	300	960	687	924
			2900	08	39	60 ± 2	300	960	687	924
			2900	10	32	60 ± 2	300	960	687	924
AA	11	15	2920	07	61	60 ± 2	330	1200	740	1082
			2920	08	59	60 ± 2	330	1200	740	1082
			2920	10	47	60 ± 2	330	1200	740	1082
AA	15	20	2920	07	82	60 ± 2	350	1200	740	1082
			2920	08	80	60 ± 2	350	1200	740	1082
			2920	10	65	60 ± 2	350	1200	740	1082
AA	22	30	2940	07	135	65~60+2	520	1400	890	1170
			2940	08	129	65~60+2	520	1400	890	1170
			2940	10	107	65~60+2	520	1400	890	1170
AA	29	40	2940	07	172	65~60+2	700	1600	1037	1280
			2940	08	164	70~72+2	700	1600	1037	1280
			2940	10	150	70~72+2	700	1600	1037	1280
AA	37	50	2950	07	228	70~72+2	750	1600	1037	1280
			2950	08	222	70~72+2	750	1600	1037	1280
			2950	10	200	70~72+2	750	1600	1037	1280
AA	44	60	2950	07	303	70~72+2	825	1600	1037	1280
			2950	08	286	70~72+2	825	1600	1037	1280
			2950	10	268	70~72+2	825	1600	1037	1280
AA	55	75	2960	07	375	70~72+2	1130	1900	1250	1600
			2960	08	357	70~72+2	1130	1900	1250	1600
			2960	10	303	70~72+2	1130	1900	1250	1600
AA	75	100	2960	07	471	70~72+2	1230	1900	1250	1600
			2960	08	464	70~72+2	1230	1900	1250	1600
			2960	10	389	70~72+2	1230	1900	1250	1600

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~ ADDRESS ~

#154, 2nd Cross, Priyadarshini Layout,
Moodalapalya, Nagarbhavi Road, Bengaluru-560072.