EMAX
AIR FORCE TECHNOLOGY
Since 1977
Energy efficiency & MAXimum performance

ADVANACED ROTARY SCREW TECHNOLOGY

The BEST Warranty In the Industry

EMAX Compressor, backs all of our rotary screw air compressors with the best warranty in the industry – a full 10 years – and it is NOT pro-rated. Make sure to research and ask questions, when comparing warranty information. Be certain that you are getting a FULL warranty. A Pro-Rated warranty means that, the older the compressor gets, the more risk that you may have to pay out of your own pocket, should it need repair. With our warranty, we don't ask you to buy a service plan, or extended warranty – we just ask that you purchase and use our oil and filters. and service your compressor at regular intervals. This ensures the correct oil and filters to keep your rotary screw air compressor running for years to come. Our trained service and support team is ready to assist you, if you ever need them and we carry a full line of air compressor replacement parts, including replacement air compressor pumps.

We Use Only Best in Class Components

We use **US Motors** brand electric motors that meet or exceed National Electrical Manufacturers Association (NEMA®) standards. This helps save money, due to increased energy efficiency over other air compressors on the market.

- Motor is not only built with a larger conduit box for easier connection, it has superior sealing for better environmental protection.
- Full cast iron construction is more robust than the standard rolled steel, ensuring reliability in extreme duty applications.
- With longer fins for better cooling., the motor runs at a lower temperature, increasing the life of the winding insulation. A cooler running motor delivers higher efficiency.

All of our motors are low RPM 1,750, not 3,450 RPM, unlike other lesser quality air compressors on the market. Our energy-efficient motor increases starting torque by 2X. Low RPM also minimizes harmonic distortion for a quieter, more reliable compressor.

We utilize **Rotorcomp** EVO2 Air Ends. Their oil-injected screw air ends are the heart of our air compressor system. Utilizing best-in-class components, we've built the perfect air compressor system with ultimate efficiency, low noise, engineered to provide years of reliable service. These pumps offer:

- Ultimate efficiency with reduced noice
- Long life cycle due to increased bearing dimensions
- Quality assurance test on every compressor before leaving our factory

These high-efficiency pumps are more expensive to utilize in our manufacturing process but the years of dependable service they provide is worth the additional investment. We have thousands of satisfied customers across the country who agree.

Our rotary screw air compressors offer 100% duty cycle which means that you can operate your compressor 24x7 without the need to shut it down to avoid overheating.

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Our Programmable Logic Controller Puts You In Control

Start/Stop Load/Unload Pressure Control - this feature provides you with a wide range of pressure settings, saving money in energy costs. You can adjust the loading pressure all the way down to 100 PSI and all the way up to 145 PSI. The compressor is factory-set at 120 PSI loading and 145 PSI unloading. For special applications, we can engineer a compressor solution that will go up to 170 PSI pressure range. Ask your saleperson for more information.

Adjust pressure to the range you need – this unit has an automatic shutdown, in the event it goes over pressure.

Low Oil Shutdown – if the controller senses that the unit is going into high temperature, it will shut it down. It will also shut down if the compressor runs low on oil.

Reverse Fault – the controller will determine if the unit is in reverse rotation fault and shut the unit down.

High Voltage Fault – if the voltage is 15% over the power supply voltage, rated on the compressor data plate, the unit will shut down. As well, if the voltage is 15% under what it should be, the unit will shut down, protecting critical electrical components.

Self Start – if power is lost, the unit will automatically restart itself when power is restored, eliminating the need for a maintenance crew to restart the unit.

Master/Slave Lead/Lag Feature – this controller can switch from one unit to the other and maintain the same use of hours. It can also adjust the pressure to be the lead or the lag unit.

Percent of Load – this feature monitors the percent of loading (pumping) and unloading (not pumping) by hours, from the time the compressor is started.

LogikaControl

Over AMP Shut down – if the motor is pulling too many amps, it will shut down.

Clock and Date – built-in adjustable, working time clock.

Light – unit has a built in light for dark locations.

Maintenance Service – keeps track of service intervals for filters, oil changes and compressor service.

Built in On/Off Unload Timer – this feature allows the user to operate the unit under automatic start/stop applications.

Daily / Weekly Schedule – this unit can be programmed to start in the morning, shut itself off at lunch and turn itself back on, based upon a pre-programmed schedule.

Hour Meter – built-in hour meter to keep track of the running hours on the machine.

Fault History – the PLC stores fault history, so that if the unit shuts down, it can provide detailed information on the shutdown, including causes.

Remote Monitor alarm Capability – this feature allows you to intall a dry contactor to an external alarm if a fault occurs on the compressor.

Warranty – these PLCs carry a 5 year new/replacement warranty.

Switch Gear & Variable Speed Drives by Schneider Electric

Manufactured by Schneider Electric, our switchgear and variable speed drives are UL/CSA compliant. Schneider contactors are used for Y/Delta soft start, saving our customers up to 33% in energy costs during startup. Schneider variable speed drive option gives our customers up to 7X starting amp savings and up to 40% savings while the unit is in operation.

With a global presence in over 100 countries, Schneider Electric is an industry leader in Power Management – Medium Voltage, Low Voltage and Secure Power and in Automation Systems, providing integrated efficiency solutions, that combine energy, automation and software to deliver comprehensive energy-saving solutions.

Schneider Electric

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Spin-On Genuine Mann Filters

We use only genuine Mann Filters in all of our rotary screw air compressors. These filters are not exclusive to us, so after your warranty is up, you will still be able to find these filters. Mann Filters are made with superior quality and provide optimum protection against harmful elements.

Oil/Air Cooler Radiator

Splitbar Aluminum Radiator - this radiator serves two primary functions; one half of the radiator cools the oil to the pump, making it 100% duty cycle and the other function is to cool the (hot) outlet air to 10° from ambient temperature. This feature removes aproximately 50% of the humidity/water from the compressed air.

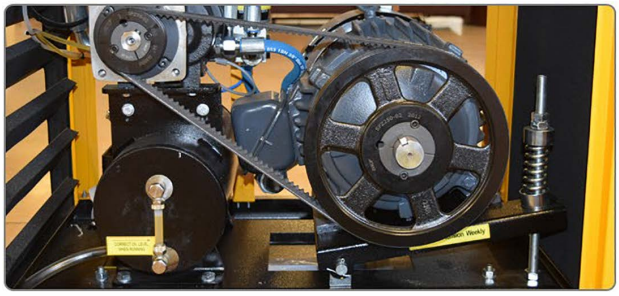
In addition, this radiator has a low pressure drop, which saves energy due to large inner cores, which allow high air volume and oil flow through the radiator.

Low RPM (1750) Cycling Cooling Fan for Radiator - this fan ensures a low RPM, for quiet operation and high velocity of air flow, in order to cool the air and oil of the compressor. This fan, connected to our PLC, allows you to adjust and set accurate oil temperature ranges, which reduces condensation in the compressor oil reservoir.

Rugged Cabinet Construction Provides Easy Maintenance & Quiet Operation

Our rotary screw cabinet are constructed of heavy steel and are designed around ease of maintenance. All cabinet access panels can be quickly removed and are insulated with noise-suppressing materials for exceptionally quiet operation.

Spring-Loaded Belt Tensioning System



On 20HP units and below, we have a spring-loaded belt-tensioning device. This device keeps accurate belt tension on the compressor belts, which prevents excessive wear, reducing maintenance and downtime.

Pressure & Temperature Transducers

Our pressure transducers maintain an accurate pressure in the air system. They produce a 4-20 milliamp control signal to regulate an exact tank pressure setting. These highly-accurate sensors save energy over the life of your compressor.