



Since 1977

Energy efficiency & MAXimum performance



Family owned and operated since 1977!

U.S. Manufacturer of Innovative Silent Air Solutions, Engineered to Enhance Operating Efficiency and Productivity



www.emaxcompressor.com





History

Matt Cain the president of EMAX Compressor was inspired as a young boy by his father and founder, Marvin Cain. Marvin built the business around quality, customer loyalty and innovative new air solutions. Matt's entrepreneurial background in the family business has instilled an innovative team spirit among all employees at Airbase Industries. Many US based competitors in the air industry have out-sourced to lower cost manufacturing in foreign countries. Consequently, overseas out-sourcing has come at the expense of the American worker and the U.S. economy. EMAX has chosen to maintain engineering, service support and manufacturing in the USA. Today, the vast majority of EMAX air compressors are currently manufactured in Dayton Ohio. By placing American workers first and monetary gain second, EMAX has built a world class manufacturing operation and patented break through solutions in the air industry that Matt will one day pass down to his children.



Founders: Marvin and Barbra Cain

....Past



The Cain's
Present...



Gage Cain

Future....

BETTER TO BE SEEN THEN HEARD!!

SILENT AIR PISTON SERIES



Made in the USA



EMAX has designed a revolutionary air system like no other! Engineered and manufactured in the USA this silent air system reduces stationary compressor DBA ratings by as much as 30%! Now that's being seen but not heard! Stationary air compressor noise levels typically require owners to incur the added expense of a building or structure in an attempt to reduce the noise. The Whisper 100 system has a small profile that is mounted on the back of the compressor tank. The Whisper 100 system dissipates compressor noise by channeling the intake air through a series of baffle plates and pre-filter media within the silencer cabinet. As a result, the piston intake noise is trapped and dissipated within the system. EMAX Silent Air Compressors set the standard in the reciprocating air technology!



Programmable Variable Speed PLC Smart Technology Includes Silent Air Whisper 100 Noise Suppression

*Exclusive Single Phase Technology
From 5-25HP!*



- **Energy Savings:** Energy Savings: 80%! At 5 cents per KW/hr., the unit will pay for itself in energy savings within 36 months assuming 5 day work weeks.
- **Maintenance:** Sensors automatically shut the unit down when a low oil scenario occurs. In addition notifications flash on the LCD screen when filters need replacement or oil changes. Annual maintenance costs are 70-80% lower than comparative rotary screw compressor counterparts.

Quiet Air -The Whisper Quiet Noise suppression systems dissipates compressor intake noise by channeling the air through a series of baffles, reducing DBA levels up to 30%. *Note: Every 10 decibels represents a 50% noise change to humans.*

- **Premium Industrial grade TEFC MOTOR** (total enclosed fan cooled high efficiency variable speed motor operates pump speeds from 100 to 800 RPM. This special motor delivers up to 30% energy savings with an estimated payback period of 1-3 years!
- **Exclusive Single Phase up to 25HP!** We have the ability and knowledge to build a single phase compressor up to 25HP!!

100% Cast Iron Pressure Lubricated Pump - Super quiet low RPM 2 stage pressure lubricated compressor with built in oil pump delivers superior lubrication to all moving parts extending pump life beyond any other EMAX compressor.

- **Belt Tension Adjuster** -allows for quick and easy adjustments
- **Automatic Tank Drain**
- **Warranty** - These compressors carry a Full 5 Year parts warranty!

PLC CONTROLLER Interface - Using the touch screen, set RPMs, Pressure Range, Run Date/Times, Start/Stop or Continuous Run. Using the programmable touch screen, users can set hours of operation by day and week. In addition, the unit sensors will automatically increase the speed of the unit to match the demand load or decrease speed proportionately. After 5 minutes without demand load the units automatically shut off and auto-start when demand reoccurs.





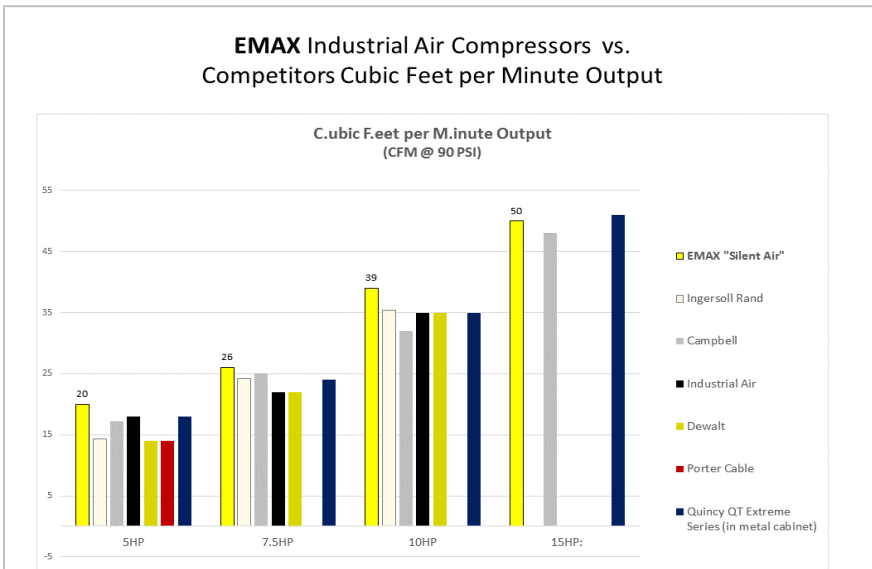
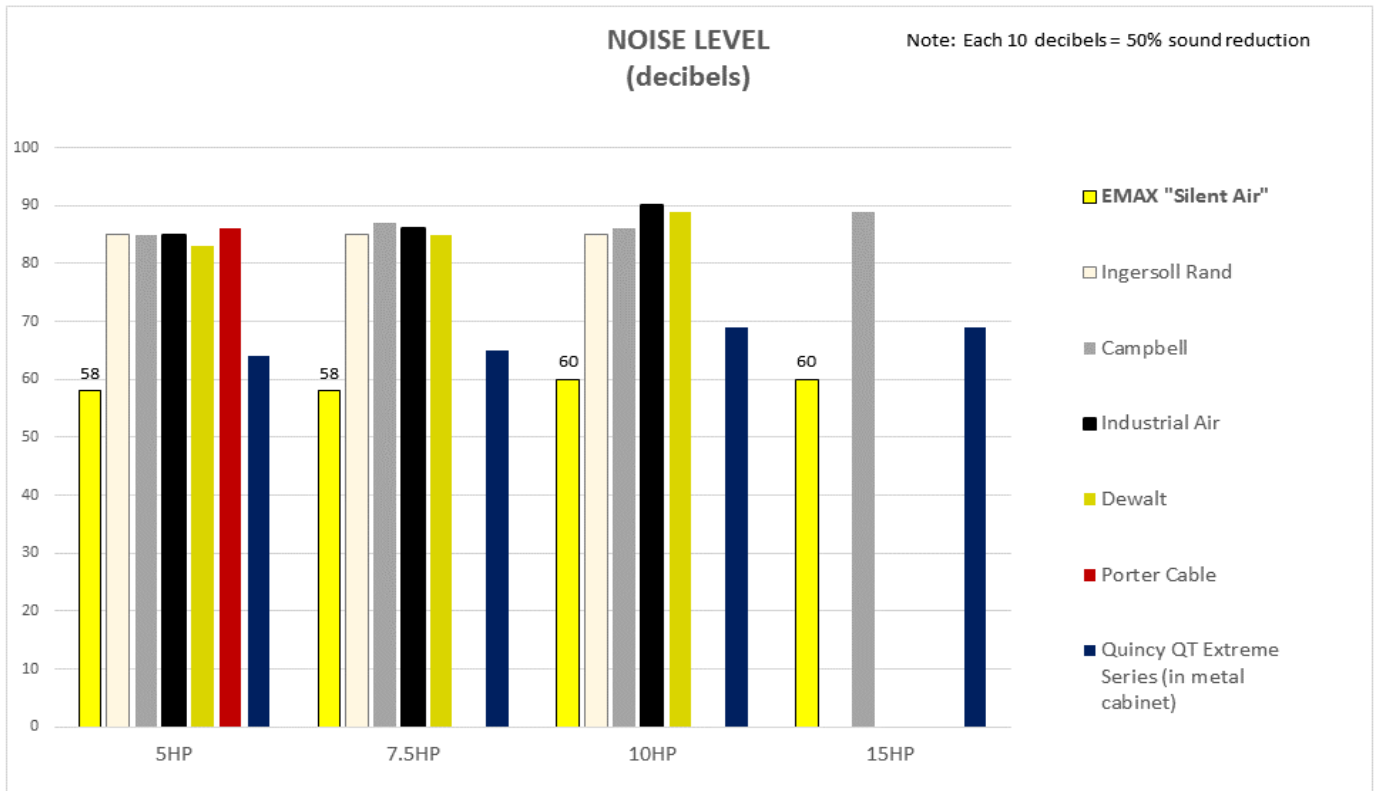
The Future is SILENT

EMAX Two Stage STATIONARY "Silent Air" Compressor

Noise Reduction Comparisons

■ EMAX Patent Pending (utility)

EMAX Industrial Air Compressors vs. Competitors Operating Noise



EMAX Two Stage Air Performance Output Comparisons
(Standard Cubic Feet Per Minute)

EMAX Industrial Plus Series



Available with silent air Technology
5HP -25HP



- **Exclusive Single Phase up to 10HP!** We have the knowledge and ability to build a single phase compressor up to 10HP. This industry exclusive, delivers up to 38 CFM from our single phase 10HP models!
- **Premium Industrial grade TEFC** (Total Enclosed Fan Cooled) 1750RPM motors standard on all Industrial Plus models 7.5hp and up. The fan enclosures help s to prevent outside air from freely circulating in the motor protecting it from potential damaging debris.
- **100% Cast Iron Pump**- Our super quiet, low RPM, 2 stage pumps are all constructed from solid cast iron. Everything is aligned with solid steel re-buildable connecting rods and replaceable bearings. Not aluminum like our competitors. Expected pump life of over 50,000 hours!
- **Air stream Technology**- Another industry exclusive feature is on all our Industrial Plus models. We fabricate iron and raise the pump to allow air to be pulled under the pump from the flywheel adding an extra cooling feature & extending life.
- **Belt Tension Adjuster** - This Industry exclusive feature on all Industrial Plus models allows for quick and easy maintenance, with just a turn of a bolt you can adjust belt tension.
- **Magnetic Starter** - This Feature is standard on all 7.5HP+ models. The magnetic starter provides a safe start method along with an overload protection when starting the compressor. We use a Condor pressure switch on all 5hp models
- **Continuous Run Feature** - All Industrial Plus models include this standard feature which maximizes performance and reduces wear and tear. Continuous run operation eliminates frequent start/ stop by not filling up the tank to maximum PSI. Instead it reaches pressure and then provides that pressure continually until turned off.
- **Automatic Tank Drain** - This Feature in on all Industrial Plus models it does the tank maintenance for you by automatically removing condensation at the intervals perimeters you set.
- **Components** - We use B-style belts to ensure smooth operation. Top quality pressure switches, 100% brass valves, ASME Certified tank, 13G steel with premium grade expanded metal belt guards.

EMAX Industrial Series

Available with Silent Air Technology 5HP-10HP



- **Industrial Series and Industrial Silent air Series**– are available in 5HP-10HP single phase only.
- **Exclusive Single Phase up to 10HP!** We have the knowledge and ability to build a single phase compressor up to 10HP. That gives the customer up to 38 CFM with single phase power on a 10HP!
- **Premium Industrial grade OPD** While most manufacturer's use high 3450 RPM motors, we only use 1750 RPM motors. These Open Drip motors use a fan to pull outside air through the motor to keep it cooler.
- **100% Cast Iron Pump**- Super quiet low RPM 2 stage pumps including cylinders, cylinder heads and crankcase are made with solid cast iron, aligned with all steel re-buildable connecting rods and replaceable bearings – not aluminum like our competitors – Expected life of over 50,000 hours!
- **Magnetic Starter** – This Feature is on all 7.5HP and up. The Magnetic Starter provides a safe start method along with an overload protection when starting the compressor. We use a Condor pressure switch on all 5hp models
- **Components** – We use B-style belts to ensure smooth operation. Top quality pressure switch's, 100% brass valves, ASME Certified Tank, 13G Steel with premium grade expanded metal belt guards.
- **Tank Drain Valve** –The industrial series has a valve to drain the condensation from the tank

EMAX Industrial Plus Gas Driven Series



HONDA **ENGINES**

**Series is available
6.5HP -24HP**



EMAX Compressor delivers overwhelming performance to ensure that we meet the needs of the most demanding environments. Our gas driven series are designed with exacting tolerance and specifications to deliver all the power that is needed at the job site, garage or shop. EMAX compressor uses only the best components on our compressors, so when it came to choosing what was going to power our gas driven compressor there was no better choice than Honda GX V twin engines! The Honda GX series has been designed to have a higher horsepower, quiet operation and greater fuel efficiency along with easy operation. Pair the Honda GX with our all cast iron compressor pumps and we have created power that can't be beat! All EMAX gas driven models carry a 5 year warranty with a 3 year warranty on the Honda engine.

EMAX Premium Industrial Air Dryers

30CFM -2000CFM

- Purifies compressed air by chilling to condense moisture
- High Refrigerant Safety
- Condensate is drained carrying oil and dirt particles away from the air
- Outlet air baffle heater - prevents condensation on outlet air piping
- Heavy duty steel cabinet
- Trouble free operation refrigerated air inlet inner cooler for high temp cooling
- Side mounted condenser & Fan Motor
- Environmentally friendly 134A refrigerant
- Pre-Plumbed
- 5 Micron Pre-Filter
- Quick, Easy to Remove Cabinet Door for Easy Servicing - No Screws!
- UL & CSA approved



- Built in 1 Micron Active Coalescing Filter



- Built in Auto Drain system - eliminates the need for daily maintenance

5 Yr.- Limited warranty on heat exchanger
2 YR- Limited warranty on all other parts

10 YEAR

Best Warranty in the Industry!

EMAX

EMAX Industrial Belt Driven Rotary Screw Air Series

5HP-20HP



- Programmable Logistic controller- All EMAX rotary's are controlled by a user friendly Logika PLC. These controllers have many desirable features like,; pressure adjustments, maintenance reminders, air differentials, master slave control and daily or weekly schedules.. Just to name a few. These are also covered under our 5 year components warranty.
- Quiet – Our rotary's are extremely quite on their own but we also have sound proof materials within our locking side panels to ensure ultimate sound reduction.
- Long Life – Our rotary's have a 70,000 hour life expectancy. Our competitors are only rated for around 25,000 hour.
- Single Phase power up to 30HP!

- Expert Experience: Offering rotary screw compressors from 5HP-to 400HP!
- Innovative Product Design: EMAX offers rotary's in several configurations, tank less, tank mounted, or the complete package in our patented Swing Arm design
- Best Warranty: EMAX gives a 10 Year warranty on the air end along with the three phase motors. On single phase we give a 10 year on the air end along with a 5 year on the motor. All other components are 5 year, including the PLC. This warranty is not pro-rated and is given when you buy our maintenance parts for the 10 years. No extended warranty to buy!
- Quality Built - EMAX uses only name brand components on their rotary's. We use no Chinese parts. Our rotary pumps are made in Germany and Finland to precise specs. The electrical components are Schneider and all UL/CSA certified. We use only Premium Mann filters for optimum protection against harmful elements. We use 12 lead name brand motors.



EMAX Industrial Direct Driven Rotary Screw Air Series

25HP-200HP



There are many advantages to going direct drive. They are user-friendly and will save time and money!

- Direct Drive lessens the load on the pump and motor bearings along with no belt maintenance!
- Direct drive can produce air immediately without needing to fill the tank first.
- Paired with our TEFC motors these rotary screws are top of the line!
- Larger cabinets makes maintenance easier
- Spin-on/spin off filters, Mann brand, non- proprietary
- Top mount exhaust cooling fan, enables quick and easy services, and installation of exhaust ducting
- Smart PLC including maintenance alarms to help extend the life of the compressor by reminding when and what needs serviced, along with fault alarms to allow for quick troubleshooting, Daily automatic start / stop feature allowing for a compressor schedule to be set.
- Specially designed oil sump - many brands are designed to use a lot of oil, costing a lot to service, we have designed these to use 50% less oil, providing huge savings!
- 100% duty cycle
- VFD option on all - saves up to 40% in energy reduction!

HULK POWER By EMAX



- Low RPM, low AMP draw motors with solid copper windings for longer life

- Silent Air low RPM, 2 cylinder commercial grade pumps plus heavy gauge steel cylinders, cylinder heads and valves.

- Commercial Grade Engineered components; pressure switch's, stainless steel transfer tubes, brass quick couplers, gate valve tank drains combined with heavy gauge steel construction for maximum durability & reliability





Airbase pneumatic air tools made by EMAX out last the rest with their power, performance, precision and their lifetime limited warranty! EMAX's rugged construction offers features you need to get the job done in every industrial & commercial use. EMAX incorporates industrial ball bearing construction and heat-treated internal cylinders, pistons and valves for optimum performance and extended tool life. Their lightweight design and vibration dampening construction with built in silencing reduces shock and minimizes fatigue, making the use of these air tools a pleasant experience.



Patented Pressure Lubricated Airbase Industries Two-Stage 10HP Solid Cast Iron Reciprocating Pump



Pressure Gauge to easily monitor running oil pressure

Large Solid cast iron flywheel generates kinetic energy to reduce power consumption is therefore more energy efficient

Disc valves for ease of maintenance & long valve life

Crankcase Breather

All Steel Re-buildable connecting Rods with replaceable Bearings- no aluminum

Built in Head unloaders for continuous run, energy savings and less wear on the motor

Low oil shut down protects compressor if oil pressure drops below normal operating pressure



2nd stage aftercooler for maximum cooling

Oil Sight glass allows you to view the oil level inside the crankcase

Deep finned cylinders and head for maximum heat dissipation

Large low RPM pump for long life & quiet operation. 50,000 hour life expectancy, based on B10 bearing life. We back that with a 5 year parts warranty!

Patented Pressure lubricated pump design delivers constant lubrication even as low as 100 RPM's!

Solid Cast Iron Cylinders, Cylinder heads and Crankcase,

Built in oil filter



Double B-Section Dual Belt Drive with large built in cooling fan



EMAX Service and Parts

Whether you are a large business or a small garage, purchasing an Air Compressor is a large investment. When purchasing an EMAX branded product, you can feel confident in your investment decision. At EMAX we back our products with a 1 year parts and labor service package in addition to our Industry leading, best in class, warranties.

At EMAX Compressor, we are dedicated to providing top quality repair and maintenance services to all that become part of our EMAX family! Being a family owned and operated company for over 40 years, we truly care about the products and services we provide. With our one year standard labor coverage, If there are any problems with the product that can't be resolved on our technical hotline, we will then either schedule one of our technicians for a field service call or set up an appointment with one of our authorized service providers. You can count on us to perform any repairs in a timely professional manner to reduce downtime with our service vans being equipped with the highest quality parts.

At EMAX, we also stock a full line of replacement parts that can be shipped to your door the next day with express shipping options.

**Technical
Service line:**

1-866-294-4153



Online Program

EMAX offers the only domestically manufactured reciprocating air compressor program dedicated to direct drop shipments.

We also offer the the most versatile online product database to make uploading to your website fast & easy. Our proprietary just-in-time manufacturing process also enables us to deliver the highest quality and value directly from factory to shop.

For more information visit us at

www.emaxcompressor.com

Or contact us at:

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