

Rotary Screw Air Compressors

EndurAir™ – Load/No Load Control



5–20 HP, EA 5/7.5/10/15/20

Compact

The EndurAir Series is more reliable, economical and compact—perfect for point-of-use placement in even the most rugged conditions.

Durable

With tens of thousands of Enduro airends in operation worldwide, we're not just talking about durability, we've proven it. The air end has been in the marketplace for years with failure rates well below world class standards.

Performance Driven

This load/no-load compressor is managed by a new microprocessor controller. It monitors and regulates the number of starts per hour and controls the unloaded periods. In short cycling situations, the starts are delayed—minimizing energy consumption and optimizing performance of the compressor.

Efficient

A newly designed inlet valve for this “tried and true” compressor optimizes electrical consumption whether the compressor is fully loaded or unloaded.

Service Friendly

The design of the EndurAir makes general maintenance a snap and ensures minimal downtime. One-piece removable side and rear panels provide easy access to critical service points—including the drive belts, pulleys and the spin on oil filter and oil separator.

Proven Results

Gardner Denver product development is a balance of technology, efficiency and performance—all focused on meeting your demand for compressed air.

Technical Data

EA 5–20 HP, 60 Hz



| Gardner Denver Model | Rated Pressure | Capacity at Rated Pressure | Motor power | Net weight | Dimensions L x W x H | Noise level |
|----------------------|----------------|----------------------------|-------------|------------|----------------------|-------------|
| | psig | acfm | hp | lbs | inches | dBA |
| EA 5 | 100 | 29 | 5 | 315 | 26 x 27 x 34 | 69 |
| | 125 | 26 | | | | |
| | 150 | 23 | | | | |
| | 175 | 20 | | | | |
| EA 7.5 | 100 | 29 | 7.5 | 322 | 26 x 27 x 34 | 70 |
| | 125 | 26 | | | | |
| | 150 | 23 | | | | |
| | 175 | 20 | | | | |
| EA10 | 100 | 40 | 10 | 330 | 26 x 27 x 34 | 71 |
| | 125 | 36 | | | | |
| | 150 | 32 | | | | |
| | 175 | 29 | | | | |
| EA 15 | 100 | 57 | 15 | 411 | 28 x 30 x 41 | 74 |
| | 125 | 54 | | | | |
| | 150 | 49 | | | | |
| | 175 | 43 | | | | |
| EA 20 | 100 | 84 | 20 | 463 | 28 x 30 x 41 | 74 |
| | 125 | 75 | | | | |
| | 150 | 66 | | | | |
| | 175 | 62 | | | | |

Standard Equipment

- Advanced Air End design guarantees a longer life and greater endurance that results in lower power consumption.
- Transmission between the motor and the Air End is provided through long life first class belts that are readily available anywhere throughout the U.S.
- Thermal valve optimizes the oil cycling temperature and prevents condensation inside the oil separator and hoses.
- An external oil separator cartridge (less than 3 ppm) is provided to simplify maintenance.
- Electrical Control Panel with Full Voltage Starting for 10 through 20 HP. Regulation CEI EN 60204-1 with main switch and line sectioner.
- TEFC Electric Motor is a tropical rated motor that has an IP 55 class F insulation classification.

- The Combination Oil Cooler/Aftercooler is adequately sized to provide an air temperature out of the compressor of not greater than 18-20° F of the ambient temperature.
- All Internal Flex Hoses are rated for temperatures of 300° F.
- Low dBA Acoustical Enclosures
- V-Belt Drive with a Totally Enclosed Belt Guard
- Inlet Filter
- Oil Filter with Bypass
- Air/Oil Separator
- Vertical Draft Air/Oil Cooler
- Thermal Mixing Valve
- Minimum Pressure Check Valve
- Oil Level Sight Gauge
- Dual High Temperature Shutdown Sensors
- Hour Meters for Run Time and Loaded Time

- Factory Fill of AEON 4000
- Microprocessor Control System
- 24 Volt Control Circuit Protection
- Full Voltage Starting on 10–20 HP
- TEFC Motors
- Start Delay Blow Down timer
- Emergency Shutdown Switch
- Phase Reversal Protection
- Motor Overload Protection
- Easy Adjusting Belt Tensioner
- Electrical Controller is UL/cUL Listed
- Electric Disconnect Safety Switch to the Motor

Optional Equipment

- 80 Gallon Receiver (10 HP)
- 120 Gallon Receiver (15 & 20 HP)
- Auto Tank Drain

Gardner Denver®

For additional information contact your local representative or Gardner Denver Compressor Division, 1800 Gardner Expressway, Quincy, IL 62305
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