

# EndurAir™ Complete Rotary Screw Air Compressors



**5–20 HP**  
**ELA 5/7.5/10, ELB 15, ELC 20**  
**Load/No Load Control**



#### **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.

**GD**  
**GARDNER DENVER**

*Experience Proven Results*

## Technical Data

### EndurAir 5–20 HP, 60 Hz



Gardner Denver Model	Rated Pressure	Capacity at Rated Pressure	Motor power	Receiver size	Net weight	Dimensions L x W x H	Noise level
	psig	acfm	hp	gallons	lbs	inches	dBA
ELA 5	100	21	5	80	751	32 x 54 x 64	69
	125	19					
	150	18					
	175	15					
ELA 7.5	100	29	7.5	80	762	32 x 54 x 64	70
	125	26					
	150	23					
	175	20					
ELA10	100	40	10	80	776	32 x 54 x 64	71
	125	36					
	150	32					
	175	29					
ELB 15	100	57	15	120	1048	32 x 72 x 72	74
	125	54					
	150	49					
	175	43					
ELC 20	100	84	20	120	1142	32 x 72 x 72	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.
- Thermal mixing 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 5 through 20 HP. Regulation CEI EN 60204-1 with main switch.
- TEFC Electric Motor has an IP55 Class F, tropical insulation classification.
- Refrigerated dryer is sized for continuous operation, with a pressure dew point of 38°F at 100 psig, inlet air temperature of 100°F and a relative humidity of 100%.
- 80 Gallon Horizontal Receiver (5, 7.5, 10 HP)
- 120 Gallon Horizontal Receiver (15–20 HP)
- All Internal Flex Hoses are rated for temperatures of 300° F.
- 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.
- 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
- 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
- AirPlus 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

- 120 Gallon Horizontal Receiver (5, 7.5, 10 HP)
- Auto Tank Drain
- 3-way Dryer By-pass Valve

Please recycle after use.

# Gardner Denver®



Member



www.GardnerDenverProducts.com maggie@gardnerdenver.com

Gardner Denver, Inc. 1800 Gardner Expressway, Quincy, IL 62305  
Telephone: (800) 682-9868 FAX: (217) 224-7814