

Electra-Saver® II

Rotary Screw Air Compressors



125–200 HP, ST 125/150/200
Modulation Control

Direct Drive Non-Geared Airend

- Increased bearing life (L-10 life in excess of 100,000 hours) due to large tapered roller bearings.
- Robust design with rigid D-flange motor connection and all angle elastomer vibration isolator mountings to ensure vibration-free operation.

Intensive Injection

- 6–8% improved full load operating efficiency provided by patented intensive injection lubrication system. Immediate payback through energy savings.
- Provides highest CFM per brake horsepower in the industry.

Maintenance Reducing Design Features

- Simplified access to air/oil separator, requiring removal of only twelve bolts and no piping to change separator elements. This reduces maintenance time by 90%.
- Spin-On ten micron full-flow oil filters ensure longer lubricant life and protection for all working parts.

Heavy Duty Inlet Air Filter

- Removes 99.9% of airborne particulate five microns and larger.
- Special option for most competitive models.
- Extends lubricant life by almost 20%.

AirSmart™ Microprocessor Controller

- Most complete electronic control in its class with unsurpassed self-diagnostic, protective shutdown, service advisory and full text digital display capabilities.
- Built-in selectable automatic restart and optional sequencing (up to eight units) functions make the AirSmart™ the most versatile standard compressor control available.
- Large four-line LCD control display with capabilities of displaying information in up to eight languages.

GD
GARDNER DENVER

Experience Proven Results

Standard Equipment

- Direct drive, non-geared, D-flange mounted airend
- Modulating, vertical inlet valve
- Heavy duty, five micron air filter
- 460 volt, 3 phase, 60 HZ, EISA energy-efficient, 1800 RPM, 1.15 S.F., ODP, drive motor or 380/415 volt, 3 phase, 50 HZ, 1500/3000 RPM, 1.15 S.F., ODP D-flange drive motor with Standard 5-Year Warranty
- Airend and motor shaft are coupled through a permanently aligned, resilient cushion-type flexible coupling
- Stainless Steel Control Lines
- Unitized airend/motor assembly mounted to the compressor base with all angle elastomer vibration isolators
- ASME coded air/oil reservoir with Eliminator™ separator
- Oil cooler/aftercooler:
 - Air cooled models - heavy duty radiator-type with thermally controlled, totally enclosed fan motor
 - Water cooled models - shell and tube heat exchanger
- Thermostatic oil mixing valve
- Package mounted moisture separator and trap
- Rigid steel base with forklift slots
- Pressure relief valve and discharge check valve
- Automatic blowdown valve through inlet filter
- Minimum discharge pressure valve
- Lube system includes all galvanized steel fittings and piping
- Factory fill AEON® 9000SP synthetic lubricant
- Full sound attenuating enclosure (optional on domestic units)
- NEMA 4 control/electrical enclosure includes:
 - Rugged full voltage main motor starters or Star Delta Starters on international units
 - Separate fan motor starter and control transformer
 - AirSmart microprocessor based controller
 - U.L. listed and CSA certified electrics

AirSmart™ Features

- Controller designed exclusively for Gardner Denver
- Microprocessor controlled
- Low voltage 24 VDC operation
- Informative control panel
 - 4 line X 20 character LCD Display
 - 4 Status LEDs for “at a glance” compressor status
 - 9 buttons for easy control and menu navigation
 - Wide selection of 8 language choices
- Sequence capable
- RS-232 Serial communications for local monitoring
- Ethernet communications for remote monitoring
- Compressor controls provide feature rich error handling
 - 29 different sources for advisories
 - 68 different sources for system shutdown
 - Advisory/shutdown history stored in non-volatile memory
 - » Last 6 advisories
 - » Last 6 shutdowns
 - » Ease of maintenance
 - Maintenance information at your fingertips
 - Advisory and shutdown histories
 - Programmable distributor contact information
 - Part number identification of consumables

Optional Equipment

- Wye-Delta main motor and starter (IEC rated)
- Alternate voltages, TEFC or high efficiency, main compressor motor
- Full sound attenuating enclosure
- Seacoast (air-cooled) or salt-water (water-cooled) coolers
- Remote mounted air cooled, oil cooler/aftercooler
- Factory fill AEON® 6000FG Food Grade lubricant

Performance 60 HZ, 125–200 HP

Motor HP/kW	Style	Model	Working Pressure		Air Delivery (1)	
			psig	bar	acfm	m³/min
125	ST 125	EBQ	100	6.9	620	17.56
			125	8.6	537	15.21
			150	10.3	486	13.76
			175	12.0	343.5	9.72
			200	13.7	339.5	9.61
150	ST 150	EBQ	100	6.9	750	21.23
			106	7.3	748	21.18
			125	8.6	618	17.50
			150	10.3	529	14.97
			175	12.0	481.5	13.63
200*	ST 200	EBQ	100	6.9	750	21.23
			110	7.3	747	21.15
			125	8.6	742	21.01
			150	10.3	732	20.72
			175	12.0	713	20.18
200	ST 200	EBU	100	6.9	1000	28.32
			125	8.6	875	24.78

*100, 110, 125 psig available as field set option only.

Performance 50 HZ, 95–115 kW

125/95	ST 125	EBQ	100	6.9	601	17.27
			125	8.6	500	14.06
			150	10.3	428	12.11
125/115	ST 150	EBQ	100	6.9	734	20.79
			125	8.6	637	18.04
			150	10.3	632	17.89

Dimensions/Weights

HP	Approximate Dimensions (2)				Approximate Shipping Weight (3)		
		Length	Width	Height		with Enclosure	Less Enclosure
125/150	in	114	68	69	lb	5500	4800
	mm	2896	1727	1753	kg	2495	2177
200	in	114	68	69	lb	6360	5598
	mm	2896	1727	1753	kg	2885	2539
200	in	114	68	69	lb	5650	5050
	mm	2896	1727	1753	kg	2563	2291

1. Capacity measured in accordance with CAGI/PNEURO acceptance test code PN2CPTC2.
2. Dimensions shown are nominal for all unenclosed models and for quiet enclosed water cooled models. Width on all quiet enclosed air cooled models is 90" (2286 mm.)
3. Weights shown are for air cooled models less shipping skid. Water cooled models weigh slightly less.



Gardner Denver®

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