

Rotary Screw Air Compressors

Electra-Saver® II



15–30 HP, ST15/20/25/30 Modulating Control

Rotors

- Precision milled rotors to tolerances within .0002" provides efficient air compression.
- Minimum L-10 life of 90,000 hours due to bearings dedicated to handle thrust and radial loads.
- Extended bearing life due to vibration free performance—a result of matched rotors, and the best bearing system design in the industry.

Acoustic Enclosure

- Low overall noise level—75 dBA or less with optional low sound enclosure.
- Easy access to all service areas provided by latched panels which are easily removed.

Heavy-Duty High-Efficiency Air Filter

- Standard canister type inlet filter typically optional on competitive models.
- Removes 99.9% of airborne particulates five microns and larger from the inlet air flow.
- Minimizes wear, optimizes performance, lowers noise levels and extends service intervals between lubricant changes up to 20%.

Control Piping

- Safe, corrosion-free compressor operation is a result of stainless steel control lines, a standard Gardner Denver feature.

Easy Maintenance

- Simplified access to spin-on air/oil separator requires no pipe removal to change elements. This reduces maintenance time by 90%!
- Easy access to the full-flow, ten micron oil filter, reduces time to complete periodic oil filter changes.
- Simple, patented system for adjusting belt drives.

Mounted Aftercooler

- The factory-mounted, heavy-duty, air-cooled aftercooler and moisture separator with trap effectively reduces discharge air temperature to within 15°F of ambient.

Eliminator™ Air/Oil Separator

- Better separation and longer life ensured due to the Eliminator™ having TWICE the surface area of conventional separators.
- Lowest carry-over in the industry—less than two parts per million, measured BEFORE the aftercooler, at 100 PSIG (6.9 bar), full load operation.

Standard Equipment (Tank and Base Mounted)

- Rotary Screw Compressor with modulating, inlet valve
- 460 volt, 60 HZ, 3 phase, 1800 RPM, 1.15 S.F., EPAAct “energy efficient” ODP drive motor with standard 5-year warranty
- 120-gallon ASME coded air receiver (tank mount only)
- Adjustable sliding motor base
- OSHA approved drive guard
- Rigid steel base with forklift slots
- Heavy duty, canister type inlet air filter
- ASME coded reservoir with dual bull’s-eye level gauges
- Spin-on type Eliminator™ air/oil separator
- Ten micron full-flow oil filter
- Thermal mixing valve
- Galvanized steel piping and fittings
- Heavy-duty radiator-type oil cooler/aftercooler
- Mounted moisture separator/trap (base mount only)
- Pressure relief valve
- Minimum discharge pressure/check valve
- Automatic blowdown valve through inlet filter
- Stainless steel control line tubing
- Factory fill AEON® 4000 Rotary Screw Lubricant
- NEMA 4 electrical control enclosure including:
 - Mounted/wired full-voltage magnetic motor starter
 - Control voltage transformer
 - Hourmeter
 - Emergency stop button
- AirSmart microprocessor controller
 - Low voltage 24 VDC operation
 - Two pressure transducer inputs
 - Sequence capability for control of up to eight AirSmart controlled compressors
 - RS-232 Serial communications for local monitoring ⁽⁴⁾
 - Ethernet communications for remote monitoring ⁽⁴⁾

Optional Equipment

- Full sound attenuating enclosure
- Automatic condensate drain for air receiver
- Wye-delta motor and starter
- Communications/sequencing module
- See local distributor for additional options

Performance 60 HZ, 15–30 HP

Motor HP/kW	Style	Model	Working Pressure		Air Delivery (1)	
			psig	bar	acfm	m ³ /m
15	ST-15	EBE99Q	100	6.9	66	1.88
			125	8.6	58	1.65
			150	10.3	47	1.33
			175	12	42	1.18
20	ST-20	EBE99Q	100	6.6	89	2.51
			125	8.6	78	2.20
			150	10.3	66	1.88
			175	12	61	1.73
25	ST-25	EBE99Q	100	6.9	114	3.23
			125	8.6	97	2.75
			150	10.3	86	2.43
			175	12	80	2.25
30	ST-30	EBE99Q	100	6.9	138	3.94
			125	8.6	120	3.41
			150	10.3	109	3.09
			175	12	100	2.83

Dimensions/Weights

Motor HP	Approximate Dimensions (2)				Approximate Shipping Weight (3)		
		Length	Width	Height		With Enclosure	Less Enclosure
15 Tank	in	77	35	64	lb	1768	1543
	mm	1955	889	1625	kg	660	575
20 Tank	in	77	35	64	lb	1806	1581
	mm	1955	889	1625	kg	674	590
25 Tank	in	77	35	64	lb	1866	1641
	mm	1955	889	1625	kg	696	612
30 Tank	in	77	35	64	lb	1891	1666
	mm	1955	889	1625	kg	705	621
15 Base	in	62	35	37	lb	1448	1223
	mm	1574	889	940	kg	540	456
20 Base	in	62	35	37	lb	1486	1261
	mm	1574	889	940	kg	555	470
25 Base	in	62	35	37	lb	1546	1321
	mm	1574	889	940	kg	577	493
30 Base	in	62	35	37	lb	1571	1346
	mm	1574	889	940	kg	586	502

1. Capacity measured in accordance with CAGI/PNEUROP acceptance test code PN2CPT2.
2. Dimensions shown are nominal for all standard, enclosed models, base mounted and 120 gallon tank mounted.
3. Weights shown are for air cooled models with shipping skid.
4. With optional communications/sequencing module

Gardner Denver®

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