



40-50 HP ROTARY SCREW COMPRESSORS

Electra Screw™ Series

Affordable High Quality Compressed Air

The Electra Screw™ Series compressors provide the reliable, high quality compressed air that you've come to expect from Gardner Denver. Easily serviceable and equipped with the patented Kypho™ rotor profile and long-life cylindrical and tapered roller bearings, the Electra Screw™ delivers the air you need, while requiring minimal up-front investment and lifecycle costs.

Information at your Fingertips

All Electra Screw™ Series compressors come equipped with the AirSmart™ microprocessor controller. Electra Screw™ compressors use microprocessor control technology because it's the simplest, yet most powerful compressor control design available. The AirSmart™ from Gardner Denver is built on the foundation of being easy to operate and an industry leader in self-diagnostic, protective shutdown, service advisory and full text digital display capabilities.

Flexible Package Design to Meet Your Needs

Gardner Denver's Electra Screw™ compressors come equipped with standard and optional industrial grade components that are sure to satisfy a variety of installation objectives. The standard unenclosed configuration ensures quick and easy access to all service points, while the optional quiet enclosure is advantageous for installations that require low noise levels. Contact an authorized Gardner Denver distributor today to learn more about the Electra Screw™ Series.

Gardner
Denver

ELECTRA SCREW 40-50 HP ROTARY SCREW COMPRESSOR, 60 HZ

MODEL	DRIVE MOTOR		NOMINAL PRESSURE		FAD ¹		NOISE LEVEL ² DB(A) UNENCLOSED (QUIET ENCLOSED)	WEIGHT		DIMENSIONS L x W x H IN. (MM) ODP MOTOR
	HP	KW	PSIG	BAR	ACFM	M ³ /MIN		LBS	KG	
ES 40	40	30	100	6.9	179.0	5.07	1780	807	70 x 43 x 44 (1778 x 1092 x 1118)	
			125	8.6	148.0	4.19				
			150	10.3	131.0	3.71				
			175	12.0	110.2	3.12				
ES 50	50	37	100	6.9	212.0	6.01	1840	835		
			125	8.6	185.0	5.24				
			150	10.3	157.4	4.46				
			175	12.0	147.0	4.16				

1) Data measured and stated in accordance with ISO1217, Ed. 4, Annex C & Annex E at the following conditions:

Air Intake Pressure 1 bar A, Air Intake Temperature 20° C, Humidity 0% (Dry)

2) Measured in free field conditions in accordance with ISO 2151, tolerance +/- 3dB

Electra Screw™ Series™ Features (40-50 HP)

- Belt drive, oil flooded, single stage rotary screw air compressor
- AEON 9000SP lubricant
- Air and water-cooled
- AirSmart microprocessor controller
- CRN and ASME rated aftercooler
- CSA labeled and approved electrical controls and wiring
- Enclosure: Unenclosed – standard; enclosed/quiet enclosed - optional
- Modulating inlet valve control
- Moisture separator
- Mounted and wired full voltage starter; optional wye-delta starter
- NEMA 4 electrical enclosure
- ODP main motor; optional TEFC main motor
- Optional Airtsmart™ communications module
- Spin-on air/oil separator
- Thermostatic thermal mixing valve
- UL/cUL labeled electronics – including control panel (UL 508A)
- Voltage: 200 / 230 / 460 / 575V (3 phase only)

Gardner Denver®

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