



225-260 KW VARIABLE SPEED ROTARY SCREW COMPRESSOR

## VST Series™

### Ultimate Efficiency

The VST Series™ two-stage variable speed compressors from Gardner Denver not only deliver the standard 8-12% energy savings over a single-stage compressor, but will be the most efficient compressor you will ever purchase. Designed to provide tremendous energy savings at part load points, the compressor matches the supply of compressed air at the specified target pressure to your system's specific demand while minimizing the power required to compress the air.

The VST Series™ is comprised of two independent compressors and drive systems. The first stage is designed for greater volume at lower pressure while the second stage is designed for the most efficient compression ratio. Utilizing an independent compressor design allows our intelligent AirSmart™ controller to synchronize the second stage compressor speed to the exact needs of the first stage—optimizing the input power of the package.

When air is not needed, the VST Series™ compressors stop running and do not vent to atmosphere, thus eliminating any wasted compressed air. The “soft” starting capability of the AirSmart™ controller allows the motor to start

against a pressurized system at any time and will do so as often as required by the system. Focusing on the details has allowed us to deliver the most efficient compressor in the world.

### Information at your Fingertips

All VST Series™ compressors come equipped with an AirSmart™ microprocessor controller. VST Series™ 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.

**Gardner**  

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**Denver**

# VST 225-260 ROTARY SCREW COMPRESSOR, 60 HZ

MODEL	DRIVE MOTOR		NOMINAL PRESSURE		FAD <sup>1</sup>		NOISE LEVEL <sup>2</sup>	WEIGHT		DIMENSIONS L x W x H IN. (MM)
	HP	KW	PSIG	BAR	ACFM	M <sup>3</sup> /MIN	DB(A)	LBS	KG	
VST225	300	225	100 125 175	6.9 8.6 12.0	1728 1607 1369	48.95 45.52 38.78	Water-Cooled Package 76	Water-Cooled Package 14572 (6610)	Water-Cooled Package 158 x 92 x 84 (4013 x 2337 x 2134)	
VST260	350	260	100 125 175	6.9 8.6 12.0	2032 1885 1627	57.56 53.40 46.09	Air-Cooled Cooling Module 80	Air-Cooled Module 4108 (1863)	Air-Cooled Module 98 x 78 x 97 (2489 x 1981 x 2464)	

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 +/- 3 dB

## VST Series™ Features (225-260 kW)

- Direct drive, oil flooded, two-stage rotary screw air compressor
- AEON 9000TH lubricant
- AirSmart™ microprocessor controller
- Water-cooled standard; air-cooled packages utilize a separate module
- Allen Bradley inverter drives
- CSA labeled and approved electrical controls and wiring
- cUL labeled electronics (UL 508A)
- IP54 electrical enclosure
- Magnetic water control valve (water-cooled packages)
- Moisture separator
- Optional automatic water temperature regulator
- Optional Communication Module
- Optional line reactor (shipped loose)
- Quiet enclosure
- Smart thermostatic mixing valve
- Standard or optional EMC filters depending on size
- TEFC main motor
- Voltage: 460V (3 phase only)

# Gardner Denver®

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