

80-250 KW VARIABLE SPEED ROTARY SCREW COMPRESSOR

VS Series[™]

Constant Efficiency

The VS Series™ from Gardner Denver features the time proven ENDURO®+ air end and ensures that maximum reliability and the highest efficiency levels are incorporated into these compact packages. The VS Series™ utilizes a rotor profile and variable speed drive/motor/compressor combination that results in the lowest specific power over the widest operating range. Choosing a VS Series™ compressor is the right choice when you need constant efficiency.

Smarter Solution

The VS Series™ compressor packages are the smarter solution to your complex air system needs. Using a smart thermal mixing valve, these compressors' mixing valves are electronically controlled on ambient temperature versus a fixed temperature valve that competitors typically use. The single pass cooler design eliminates thermal stress on the oil cooler while the TEAO premium efficiency motors ensure a separate, constant speed fan to cool the motor.

Information at your Fingertips

All VS Series™ compressors come equipped with the AirSmart™ microprocessor controller. VS 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.



VS80-250 ROTARY SCREW COMPRESSOR, 60 HZ

MODEL	DRIVE MOTOR		NOMINAL PRESSURE		FAD'		NOISE LEVEL ²	WEIGHT		DIMENSIONS L × W × H
	HP	KW	PSIG	BAR	ACFM	M³/MIN	DB(A)	LBS	KG	IN. (MM)
VS80	100	80	100 125 175	6.9 8.6 12.0	556 481 364	15.75 13.63 10.31	72	6100	2767	_ 114 × 58 × 87 (2896 × 1473 × 2210)
VS110	150	110	100 125 175	6.9 8.6 12.0	719 663 560	20.37 18.78 15.86	76	6200	2812	
VS135	180	135	100 125 175	6.9 8.6 12.0	862 802 625	24.42 22.72 17.71	76	8512	3861	_ 126 × 58 × 87 (3200 × 1473 × 2210)
VS170	225	170	100 125 175	6.9 8.6 12.0	1056 951 693	29.92 26.94 19.63	77	8612	3906	
VS200	268	200	100 125 175	6.9 8.6 12.0	1307 1177 986	37.03 33.34 27.93	79	12530 5683	FC0.7	152 × 84 × 87 (3861 × 2134 × 2210)
VS250	335	250	100 125 175	6.9 8.6 12.0	1553 1433 1138	43.99 40.59 32.24	79		5083	

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)

VS Series[™] Features (80-250 kW)

- Direct drive, oil flooded, single stage rotary screw air compressor
- AEON 9000SP lubricant
- AirSmart[™] microprocessor controller
- Air-cooled standard
- Allen Bradley inverter drive
- CSA labeled and approved electrical controls and wiring
- cUL labeled electronics (UL 508A)

- EMC filter (standard or optional depending on model and voltage) and DC bus choke
- IP54 electrical enclosure
- Moisture separator
- Optional automatic water temperature regulator
- Optional Communication Module
- Optional line reactor (shipped loose)

- Optional water cooling
- Quiet enclosure
- TEAO main motor
- Remote cooler (250 kW model only)
- Smart thermostatic mixing valve
- Voltage: 460 / 575V*(3 phase only)

*575V only available on 170 kW models



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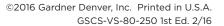
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²⁾ Measured in free field conditions in accordance with ISO 2151, tolerance +/- 3dB