



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.

Gardner
Denver

VS80-250 ROTARY SCREW COMPRESSOR, 60 HZ

MODEL	DRIVE MOTOR		NOMINAL PRESSURE		FAD ¹		NOISE LEVEL ²	WEIGHT		DIMENSIONS L x W x H IN. (MM)
	HP	KW	PSIG	BAR	ACFM	M ³ /MIN	DB(A)	LBS	KG	
VS80	100	80	100	6.9	556	15.75	72	6100	2767	114 x 58 x 87 (2896 x 1473 x 2210)
			125	8.6	481	13.63				
			175	12.0	364	10.31				
VS110	150	110	100	6.9	719	20.37	76	6200	2812	
			125	8.6	663	18.78				
			175	12.0	560	15.86				
VS135	180	135	100	6.9	862	24.42	76	8512	3861	
			125	8.6	802	22.72				
			175	12.0	625	17.71				
VS170	225	170	100	6.9	1056	29.92	77	8612	3906	
			125	8.6	951	26.94				
			175	12.0	693	19.63				
VS200	268	200	100	6.9	1307	37.03	79	12530	5683	
			125	8.6	1177	33.34				
			175	12.0	986	27.93				
VS250	335	250	100	6.9	1553	43.99	79	12530	5683	
			125	8.6	1433	40.59				
			175	12.0	1138	32.24				

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

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

Gardner Denver®

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