

25–40 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

VS25–40 ROTARY SCREW COMPRESSOR, 60 HZ

MODEL	DRIVE MOTOR		NOMINAL PRESSURE		FAD[1]		NOISE LEVEL[2]	WEIGHT		DIMENSIONS L × W × H IN. (MM)
	HP	KW	PSIG	BAR	ACFM	M³/MIN	DB(A)	LBS	KG	
VS25	34	25	100 125 175	6.9 8.6 12.0	155 141 110	4.39 3.99 3.12	66	2011	912	65 × 35 × 69 (1651 × 889 × 1753)
VS30	40	30	100 125 175	6.9 8.6 12.0	213 203 162	6.03 5.75 4.59	68	2082	944	
VS40	54	40	100 125 175	6.9 8.6 12.0	242 232 177	6.86 6.57 5.01	69	2192	994	

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

VS Series™ Features (25–40 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
- Integrated air filter
- Integrated spin-on oil filter and air/oil separator
- IP54 electrical enclosure
- Moisture separator
- Optional automatic water temperature regulator
- Optional Communication Module
- Optional integrated dryer
- Optional line reactor (shipped loose)
- Optional water cooling
- Quiet enclosure
- TEAO main motor
- Smart thermostatic mixing valve
- Voltage: 200 / 230 / 460 / 575V (3 phase only)

Gardner Denver®

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