



18-22 KW ROTARY SCREW COMPRESSORS

Apex VS Series™

Peak Performance

Featuring professional grade components such as, a high efficiency TEAO motor, robust and high performing Allen Bradley inverter drive, and corrugated steel braided hoses, the variable speed Apex VS Series™ from Gardner Denver offers a fully enclosed, low noise compressor package that delivers the performance and reliability you demand. The integrated airend design includes easy-to-access service items, a thermostatic mixing valve that ensures proper compressor warm-up and prevents moisture contamination of oil and a robust, two-stage lubricant separation system that keeps oil carryover to a minimum. The Apex VS Series™ from Gardner Denver – a peak performer and solid investment in your organization's future.

Information at your Fingertips

All Apex VS 18-22 kW units come equipped with the AirSmart G2™ microprocessor controller. The AirSmart G2™ from Gardner Denver is more than just a controller—it's the lifeline to understanding your system's operation. With built-in digital gauges, a maintenance dashboard and real-time and historical trending, the AirSmart G2™ gives you the information you need at your fingertips.

Configuration Flexibility

Apex VS Series™ compressors are available in base mount or Total System™ configurations. The plug-and-play Total System™ configuration is an Apex VS Series™ compressor mounted on a horizontal receiver tank with or without a refrigerated air dryer. Featuring standard high-end components such as a three-way bypass valve, stainless steel piping, integrated fork lift slots and an automatic tank drain, the Apex VS Total System™ is the ideal solution for a compressed air system that requires minimal installation time and cost.

Gardner
Denver

APEX VS 18-22 ROTARY SCREW COMPRESSOR, 60 HZ

MODEL	DRIVE MOTOR		NOMINAL PRESSURE		FAD ¹		NOISE LEVEL ² DB(A)	WEIGHT		DIMENSIONS L x W x H IN. (MM)
	HP	KW	PSIG	BAR	ACFM	M ³ /MIN		LBS	KG	
Apex VS 18+	25	18	110	7.5	126.5	3.58	67	1500	680	59 x 35 x 50 (1499 x 889 x 1270)
			125	8.6	120.0	3.40				
			175	12	94.9	2.69				
Apex VS 22	30	22	110	7.5	145.3	4.12				
			125	8.6	136.8	3.88				
			175	12	111.9	3.17				

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

TOTAL SYSTEM

MODEL	DRYER MODEL ¹	RECEIVER SIZE GAL. (LITERS)	REFRIGERANT	WEIGHT LBS (KG)	DIMENSIONS L x W x H IN. (MM)
Apex VS 18+	RES120	240 (908)	R134A	Less Dryer 2330 (1057)	Less Dryer 88 x 38 x 95 (2235 x 965 x 2413)
Apex VS 22	RES140			With Dryer 2600 (1179)	With Dryer 94 x 38 x 95 (2388 x 965 x 2413)

1) Dryer on Total System package has separate electrical connection and voltage.

Apex VS Series™ Features (18-22 kW)

- Direct drive, oil flooded, single stage rotary screw air compressor
- AEON 4000 lubricant
- Air-cooled only
- AirSmart G2™ microprocessor controller
- Allen Bradley inverter drive
- Automatic zero-loss condensate drain (with receiver tank selection only)
- ASME rated aftercooler; CRN approval pending
- CSA labeled and approved electrical controls and wiring
- cUL labeled electronics—including control panel (UL 508A)
- Integrated spin-on oil filter, spin-on air/oil separator and two-stage air filter
- Integrated thermostatic thermal mixing valve
- Moisture separator (shipped loose)
- NEMA 1 electrical enclosure
- Optional sequencing kit
- Optional ASME receiver tank (240 gallons)
- Optional mounted refrigerated dryer (with receiver tank selection only)
- Optional cold coalescing filter (with mounted dryer only)
- TEAO main motor
- Three-way bypass valve (with receiver tank and mounted dryer only)
- Stainless steel piping (with receiver tank and mounted dryer options)
- Voltage: 230 / 460 / 575V (3 phase only)

Gardner Denver®

Gardner Denver, Inc.

1800 Gardner Expressway

Quincy, IL 62305

866-440-6241

www.gardnerdenverproducts.com



©2016 Gardner Denver, Inc. Printed in U.S.A.
GSCS-APEX-VS-18P-22 1st Ed. 2/16

Please recycle after use.