

# Gardner Denver

18-22 KW  
ROTARY SCREW COMPRESSORS

## Apex VS Series





Experience **Proven Results**  
with Gardner Denver—the Leader in  
Durability, Reliability & Efficiency

# Driving the Market

Since entering the variable speed market, Gardner Denver has helped a multitude of organizations realize the efficiencies that are produced by a variable speed compressor. During that time, Gardner Denver has proven to be at the forefront of the variable speed market.

## The Total Package

Gardner Denver has the total package—extensive compressor and air treatment product lines, sales and service support through our extensive network of authorized local distributors, and industry leading warranty programs. Because we offer more than just compressed air equipment, we can provide solutions that keep you running, protect your production objectives and save you money.



# Why Variable Speed?

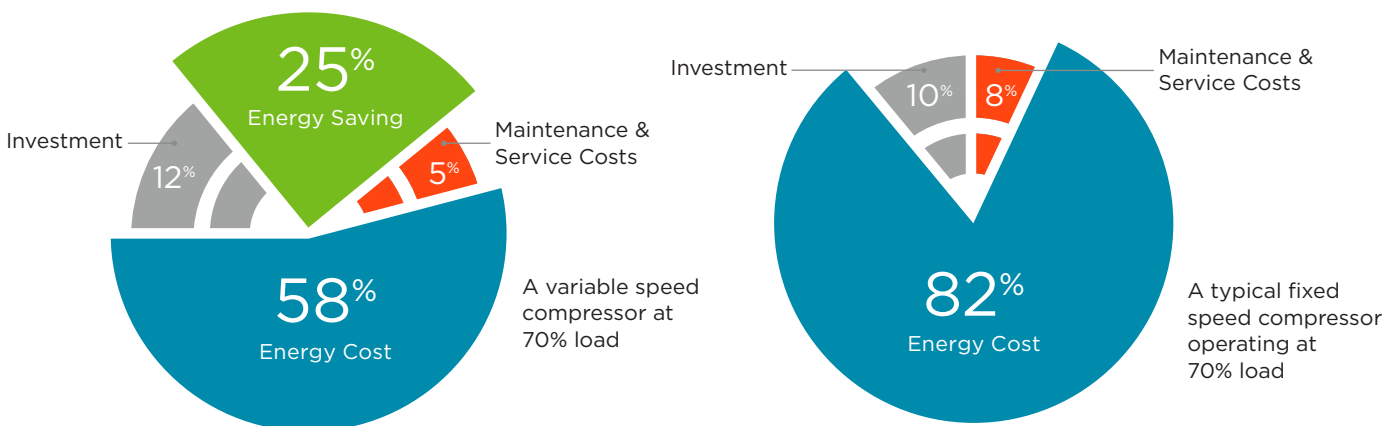
## Plant Demand

Typically the compressed air demands of a plant fluctuate. A variable speed compressor will instantaneously react, resulting in stable plant pressure. By matching demand, the Apex VS ensures efficiency is maximized at all times - saving money for your organization.

## Compressed Air Expense

Over time, the energy cost of compressed air greatly outweighs the initial purchase and service costs. The wrong air system is costly in the form of excess energy costs, maintenance costs, downtime, poor compressed air quality and an insufficient amount of air volume. Evaluating your needs and choosing the correct compressor is vital to both the initial financial impact at time of purchase and the long term efficiency of your organization.

## Variable Speed vs. Fixed Speed



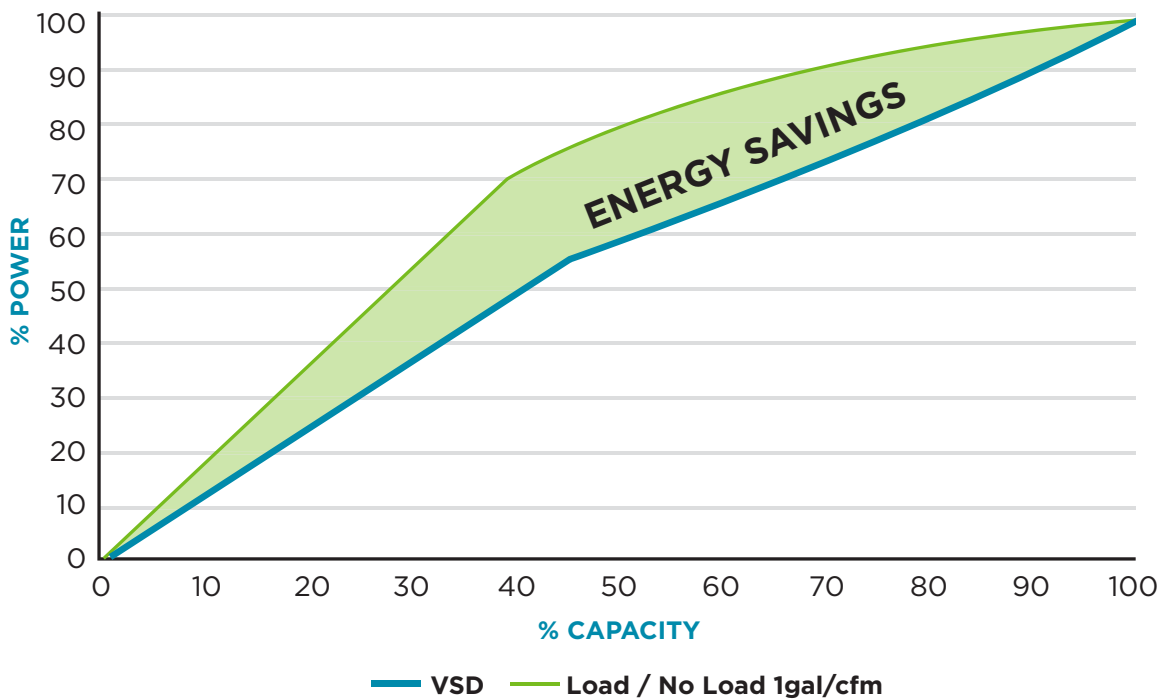
Using a variable speed compressor can easily **save 25% energy** by using just the right amount of energy required to do the job and no more.

**MATCH**  
Your Air Demand

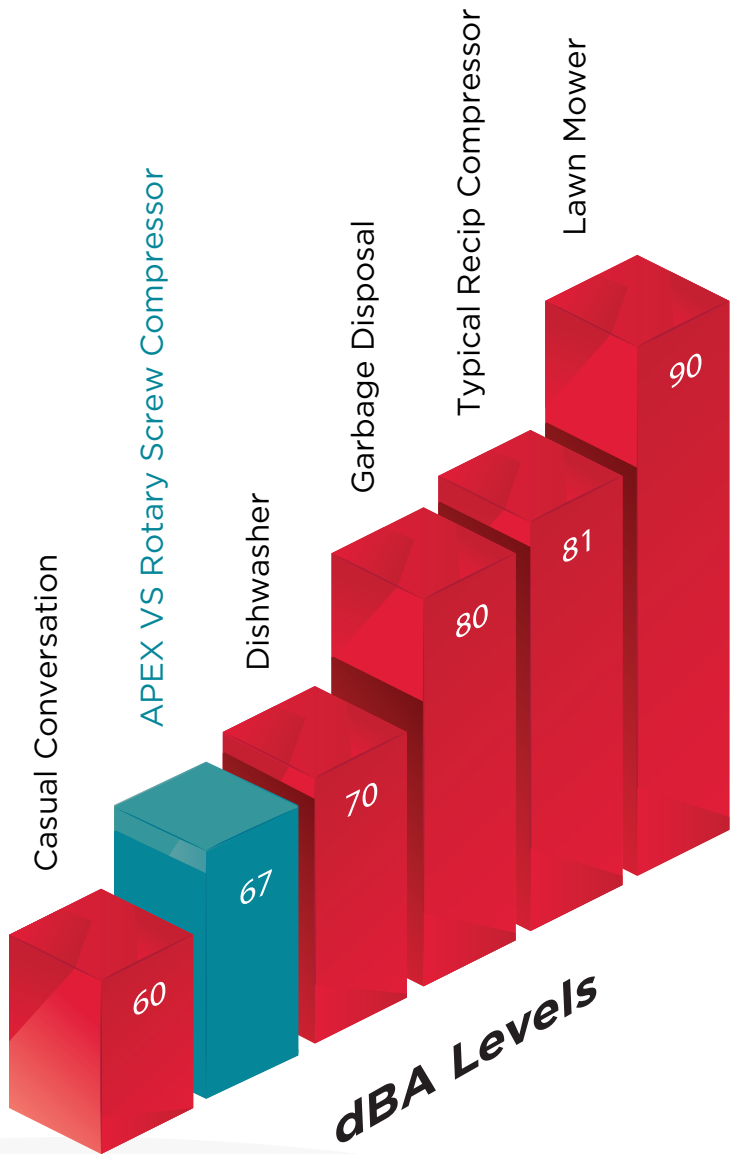
**MINIMIZE**  
Your Energy Costs

**MAXIMIZE**  
Your Efficiency

**Variable Speed Drive**



# More than just an **Efficient** Compressor



## Quiet

With dBA levels as low as 67 dBA, the Apex VS can be installed next to the point-of-use. This removes the need for a separate compressor room; saving you money on installation costs. Choose the Apex VS and experience a truly quiet compressor.

## Small Footprint

The Apex VS Series 18–22 kW compressors feature an integrated airend design. This design eliminates unneeded connections and minimizes piping—allowing the footprint of the package to be reduced. When space is valuable, choose the Apex VS.



## High Performing

The integrated airend design and TEAO motor allow the Apex VS to be one of the highest-performing small horsepower variable speed machines on the market.

## Easily Serviceable

Servicing a compressor has never been easier. Quick access to all service items is achieved by the hinged door at the rear of the unit. Feel the difference of first class serviceability with the Apex VS.

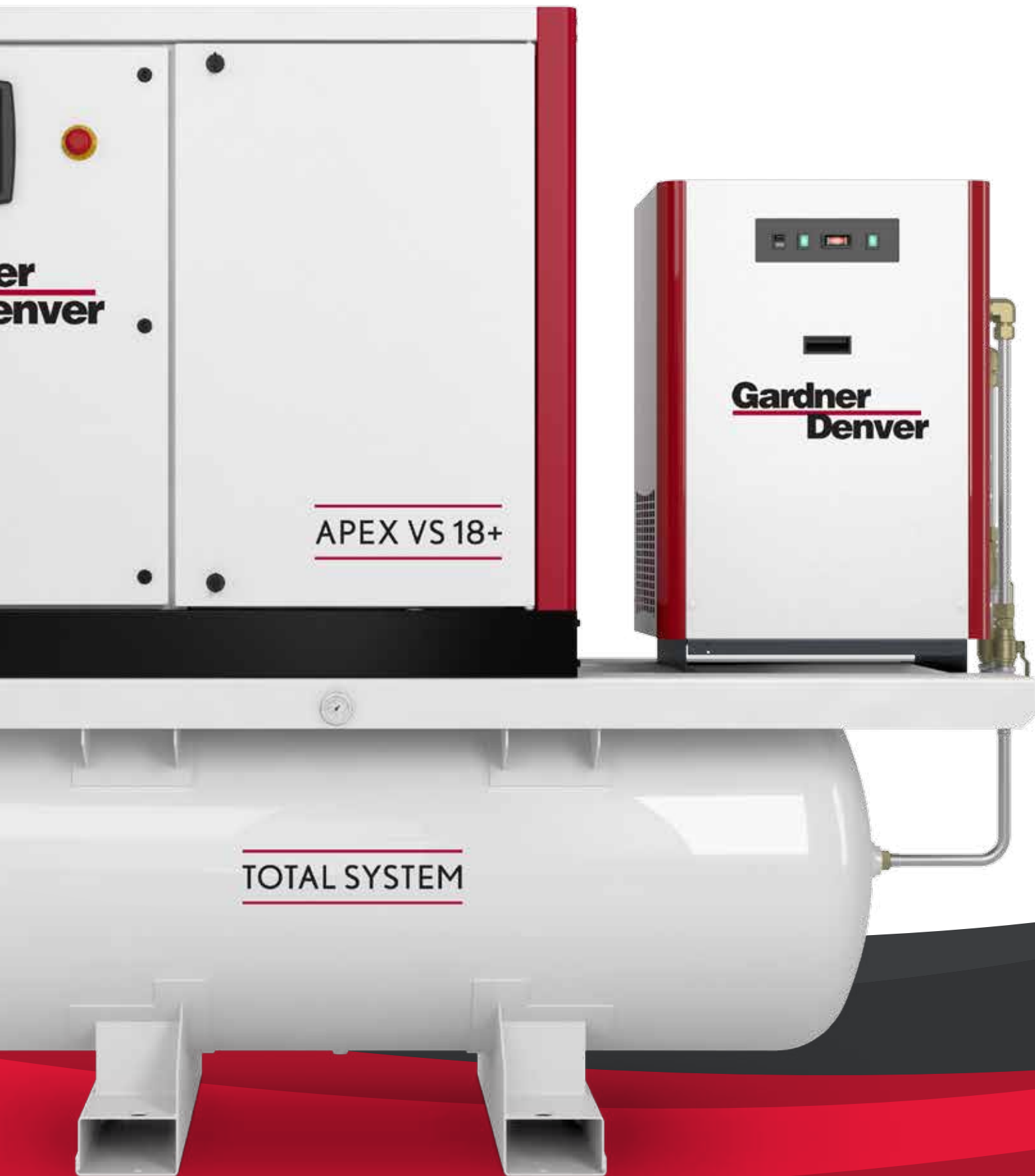


MAKE THE MOVE TO AN

# APEX VS TOTAL SYSTEM







APEX VS 18+

**Gardner  
Denver**

TOTAL SYSTEM

# The Total System™ is the Complete Package

## Efficient Apex VS Compressor

Each Apex VS Total System™ comes equipped with the energy efficient Apex VS Series compressor. We designed the Apex VS with the dynamics of variable speed technology in mind. By taking this route, we have produced a package that maximizes the efficiencies of variable speed and products market-leading energy savings. When it comes to small horsepower efficiencies, the Apex VS is at the top of the market.

## Horizontal Receiver Tank

The Total System's small footprint is due to our ability to mount the compressor, and optional dryer, on a horizontal receiver tank. This design reduces the footprint required for installation by more than 50%.

## Oversized Refrigerated Air Dryer

By design, the optional refrigerated air dryer found on the Total System™ package, is oversized. This guarantees top performance with low pressure losses and dewpoints as low as 38° F. Each dryer comes equipped with an integrated Grade B filter. Upgrade to the optional cold coalescing filter for added protection.





### Three-Way Bypass Valve and Stainless Steel Piping

The standard three-way bypass valve found on the Apex VS Total System™ allows for dryer maintenance while the compressor is running. This, coupled with the corrosion-resistant stainless steel air supply piping minimizes the chance for costly leaks.

### Zero Air-Loss Automatic Tank Drain

As the name suggests, the design of the Apex VS Total System™ took into account the total compressed air system. Small details like a tank drain were considered and each Apex VS Total System™ features, as standard, zero air-loss automatic tank drain to ensure no air is expended unnecessarily.

# Information at Your Fingertips

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.



Digital Gauges

Full-Color  
LCD Screens

Maintenance  
Dashboard

Real-Time  
& Historical  
Trending

Home Screen  
with Hot Keys





## Ensure Your Compressed Air System Remains a Total Package

### Replacement Parts

Gardner Denver air compressor parts have tolerances as low as one-ten-thousandths of an inch. Keep that in mind as you decide where to purchase your replacement parts.

# Keeping the System **Healthy**



## Factory-Specified Parts & Accessories

Each and every part that goes into a Gardner Denver compressed air system is tested and approved by our world-class Engineering team. Don't trust some faceless pirate to supply the vital parts and accessories that keep your compressed air system healthy. Where will they be when their knock-off parts cause problems for your operation?

## Service Components

Oil filters, separators and air filters are specified and designed into a Gardner Denver compressor as part of the total package. Replacing these components with genuine Gardner Denver parts ensures that your compressed air system remains a total package.

# Lubricant Solutions

## Meeting Demands

Also known as the “lifeblood” of the air compressor, choosing the correct lubricant is vital in maximizing efficiencies and equipment longevity. Whatever your application, there is a Gardner Denver AEON lubricant formulated to meet your demands, head-on.





High Temperatures Semi-Synthetic  
**SYNTHETIC**  
Food Grade

# Best Warranty in the Industry

## Experience Peace of Mind

Gardner Denver's engineering philosophy ensures long-lasting, reliable equipment. Our simple, but bold warranty programs demonstrate our belief in the quality found in Gardner Denver compressors.

Our standard warranty ensures that you have peace of mind when it comes to your system's operation. For added protection, take advantage of our 10-year extended airtend warranty program. Simply stated, it's the best in the industry.



Superior Support  
at a Local Level

# Sales & Service **Distributors** Across America

## An Extensive Network

By leveraging the extensive network of Gardner Denver factory-trained authorized local distributors, your sales, service and technical support needs can be handled quickly and easily.



To find a distributor visit:

<http://gardnerdenverproducts.com>

# Let Gardner Denver Take **Control** of Your System

To ensure total system reliability, Gardner Denver provides a broad range of dryers, filters, oil/water separators, drains, cleaning fluids and aftercoolers. ONE-STOP shopping from Gardner Denver assures that all components of your system are compatible and backed by on-going customer support.



Membrane Air Dryers Refrigerated Air Dryers

High Temperature Filters Condensate Drains

# AIR TREATMENT

Desiccant Air Dryers Moisture Separators Oil / Water

Oil Vapor Filters Cold Coalescing Filters Separators

Energy Saving Air Dryers Flow Controllers

## Treat Your Air Properly

Gardner Denver offers more than just high-performing, efficient compressors. Their extensive air treatment product lines equip you with everything you need to have the cleanest, driest air.





The **Apex VS** variable speed compressor is ideal for any application thanks to its **high performance** airend and **energy saving** design.

# Technical Data

## APEX VS 18+-22 SCREW COMPRESSOR, 60 HZ

MODEL	NOMINAL PRESSURE		DRIVE MOTOR		FAD <sup>1</sup>		NOISE LEVEL <sup>2</sup> DB(A)	WEIGHT		DIMENSIONS L x W x H  IN. (MM)
	PSIG	BAR	HP	KW	CFM	M <sup>3</sup> /MIN		LBS	KG	
Apex VS 18+	110	7.5	25	18	126.5	3.58	67	1500	681	59 x 35 x 50 (1499 x 884 x 1260)
	125	8.6			120.0	3.40				
	175	12			94.9	2.69				
Apex VS 22	110	7.5	30	22	145.3	4.12	67	1500	681	59 x 35 x 50 (1499 x 884 x 1260)
	125	8.6			136.8	3.86				
	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	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 (1058)	Less Dryer 88 x 38 x 95 (2235 x 965 x 2413)
				With Dryer 2600 (1180)	With Dryer 94 x 38 x 95 (2388 x 965 x 1180)
Apex VS 22	RES140				

The leader in every market we serve  
by continuously improving all business processes  
with a focus on innovation and velocity

Distributed by:-



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