Apex™ Series

Rotary Screw Air Compressors
5–15 HP

GARDNER DENVER™

Experience Proven Results™

Apex Series

The Apex Series is not a throw-away compressor

Peak Performance

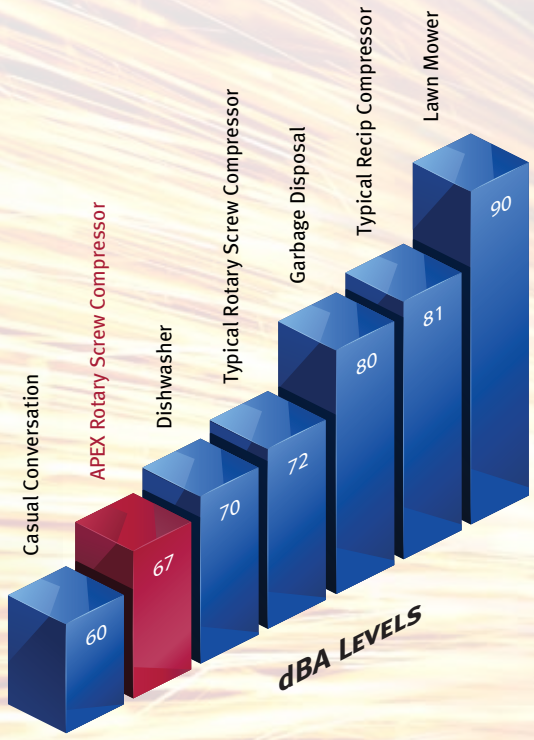
The Gardner Denver Apex series offers the performance and reliability that you demand delivered by a simple and proven industrial design. Thanks to the versatility of this design, the Apex Series allows you to customize a system that meets your compressed air needs while achieving minimal installation costs. With industrial grade components, the Apex series is not a throw-away compressor! It is an investment in your organization's future.

Efficiency

Instead of developing a package and then selecting an airend, we designed the airend and then built the package. By taking this route, we have produced a package that maximizes airend efficiency without compromising its lifespan. The newly enhanced airend included in the Apex Series has improved efficiency over its predecessor and increased bearing life over 50%. Experience the PEAK Performance of the Apex Series!

Low Sound

With dBA levels as low as 67, the Apex Series can be installed next to the point-of-use. In addition to lower overall installation costs, the low sound level results in a safer work environment – *No hearing protection required!*



Enduro Airend: A Proven Workhorse

Tens of thousands in operation worldwide

Designed for Belt Drives

Gardner Denver designed this airend specifically for belt-driven compressor packages. Radial load to the bearings from belt tension is minimized due to the bearing and pulley design of the Enduro. This ultimately results in extended airend life.

Less Components

Fewer components mean fewer wear items, resulting in lower overall lifecycle costs. In addition, the opportunity for internal leaks is diminished thanks to a lower number of sealed connections.

Durable

Inspired by the unforgiving requirements of the mining industry, this industrial grade airend includes a cast iron shell and radial/axial load bearings. This results in a long lifespan even in the harshest of applications.

Efficient

The rotor profile and lobe combination of the Enduro is optimized for minimal air leakage. This results in more air using less power, making the Enduro one of the most efficient airends of its size.

more air using less power

Mountains of Features

Leading the Industry

Instead of being your typical option-less throw-away compressor, the Apex Series comes packed with all the features. From the easy-to-use AirSmart controller to the stainless steel braided hoses, the Apex Series is the leader when it comes to features at small horsepower ranges.

1 Industrial Enclosure

Thick 16 gauge steel sheet metal and sound dampening foam ensures a sturdy, quiet enclosure. This allows the Apex Series to be installed near the point of use, meaning lower installation costs. Cooling air is discharged from the top of the enclosure, providing flexible installation options.

2 AirSmart™ Controller

The AirSmart™ microprocessor controller, which is housed in a UL Type 4 (NEMA 4) listed industrial control panel, is built on the foundation of being easy-to-use. Maintenance downtime is also minimized due to the diagnostic feedback given to the user by the controller. Due to the NEMA 4 design, the AirSmart is impervious to outside contaminants making it the most durable controller in the industry.

- Automatic start/stop and load/unload operation
- Communication & sequencing available

3 Oil Reservoir

Includes easy-to-read oil level sight gauge.

4 Oil/Air Cooler

With this design, more heat is dissipated from the oil and air. The direct result is longer lubricant life and higher quality compressed air.

5 TEFC High Efficiency Motor

The Apex Series comes equipped with a TEFC motor which features a cast iron enclosure rated IP55 to handle dirty environments. Each motor includes a standard five-year warranty.

6 Enduro Airend

See page 3 for more information.

7 Stainless Steel Hoses

Oil and air lines have stainless steel over braid ensuring a long life without fractures or leaks.

The Apex Series is a peak performer!

8 Ease of Maintenance

Realizing that an organization is disrupted when a compressor goes off-line for maintenance, the Apex Series has been designed so all routine maintenance can be accomplished in as little as 15 minutes, with no specialized tools needed!

- AirSmart controller informs user when service is due and constantly displays all the vital compressor information
- Enclosure panels can be removed with a half turn of a few twist locks
- Layout of the internal package results in easy access to all major components
- Oil sampling port and oil sight gauge allows the user to quickly monitor level and quality of lubricant in the system
- Ball valves on the reservoir and cooler mean easy oil drainage
- Easy spin-on/spin-off oil filter and separator
- Easily accessible, 99.9% at five micron two-stage cyclonic inlet air filter
- Adjustable belt-tensioning ensures maximum belt life

Apex Total System

Complete & Compact

Apex Total System will save you both time and space. By utilizing the air receiver as a base for the compressor and dryer, the Apex Total System provides all the options of a room-sized compressed air system in a space-saving design. The Apex Total System is a plug-and-play system which ensures your operation is up and running with minimal installation time and cost.

Plug & Play
SYSTEM

1 Air Receiver

Available in 80, 120 and 240 gallon sizes, the optional air receivers help ensure that the proper volume of air is available when you need it.

2 Fork Lift Slots

Installation and relocations of the unit are made easy by the integrated fork lift slots.

3 Zero Loss Air Drain

Included **standard** on each Apex Total System, the float-type zero air loss drain ensures that no amount of compressed air is wasted as moisture is removed from the system.

Apex TOTAL SYSTEM

6 RNC Refrigerated Dryer

Quality of the dryer has not been sacrificed in order to fit into a smaller footprint!

The flexibility engineered into each GD dryer allows you to achieve the air quality level that you require.

- Dryer sized for pressure dew point of 38°F at 100 psig
- Easy-to-monitor control scheme with on/off control switch and dew point temp indicator

4 Three-Way Bypass

Allows for the compressor to continue operating while the dryer is being maintained. This bypass comes **standard** on all Apex Total Systems.

5 Stainless Steel Piping

Corrosion-resistant stainless steel air supply piping minimizes the chance of costly leaks.

- Quality heat exchangers that ensure value and efficiency (RNC 10 & 15 models static condenser technology which eliminates the need for a cooling fan)
- Extended eight-foot power cord offers flexibility during installation
- Easy access to service points translates into reduced maintenance costs
- Operates using environmentally friendly refrigerant
- Optional cold coalescing oil removal filter. Oil droplets and aerosols are extracted from the air stream, improving the quality to 0.008 ppm w/w and solids are diminished to 0.01 micron
- Integrated grade-B filter for additional moisture removal

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.

Gardner Denver®

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