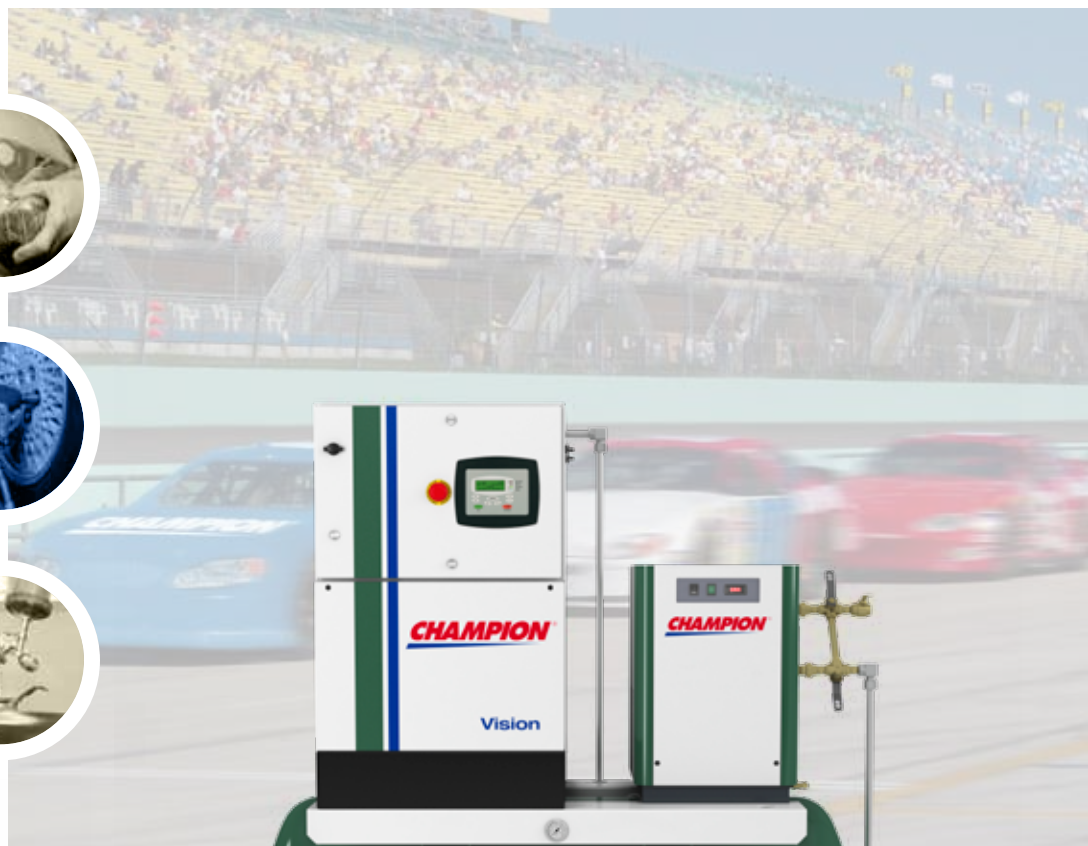


Vision Series

ROTARY SCREW AIR COMPRESSORS, 5–15 HP

- Reliable
- Efficient
- Ease of Maintenance
- Flexible



CHAMPION®

Premium Performance



Reliability

The Champion Vision 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 Vision Series allows you to customize a system that meets your compressed air needs while achieving minimal installation costs. With industrial grade components, the Vision Series compressor is designed and built to last! It is an investment in your organization's future.

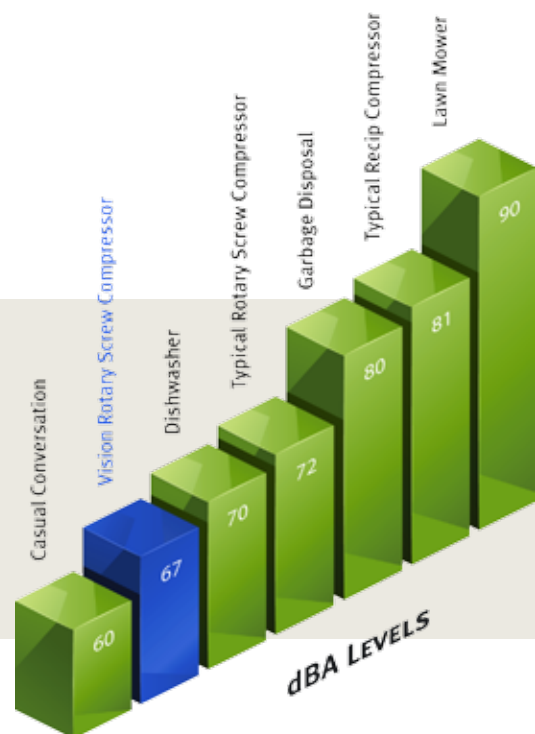
Efficiency

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 Vision Series has improved efficiency over its predecessor and increased bearing life over 50%. Experience the performance of a Champion Vision Series!

Low Sound

With dBA levels as low as 67, the Vision 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!

The **Vision Series** is designed to perform like a **Champion**



Proven Airend Design

Tens of thousands in operation worldwide

Designed for Belt Drives

Champion 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. 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 airend is optimized for minimal air leakage. This results in more air using less power, making this one of the most efficient airends of its size.

more AIR
using
less POWER



Winning Features

Leading the Industry

The Vision Series comes packed with all the features. From the easy-to-use AirSmart controller to the stainless steel braided hoses, the Vision Series is the leader when it comes to standard features offered in the small horsepower ranges.

1

INDUSTRIAL ENCLOSURE

Thick 16 gauge steel sheet metal and sound dampening foam ensures a sturdy, quiet enclosure. This allows the Vision Series to be installed at 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 Vision 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

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 Vision Series
is a **premium performer!**



8 EASE OF MAINTENANCE

Realizing that an organization is disrupted when a compressor goes off-line for maintenance, the Vision 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 the 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 enable 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

Vision AirSystem—*Complete & Compact*

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

Plug & Play AIR 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 Vision AirSystem, the float-type zero air loss drain ensures that no compressed air is wasted as moisture is removed from the system.





4 THREE-WAY BYPASS

Allows for the compressor to continue operating while the dryer is being maintained. This bypass comes standard on all Vision AirSystems.

5 STAINLESS STEEL PIPING

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

6 CRN SERIES REFRIGERATED DRYER

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

The flexibility engineered into each Champion 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
- ▶ Quality heat exchangers that ensure value and efficiency (CRN 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

Always expect more from Champion.

Your Champion distributor has the tools and expertise to serve you in every way. Whether you are looking for parts, service or advice, your Champion distributor will help assure the most return on your Vision investment.

Champion is also your single source provider for your compressed air system. OEM replacement parts, lubricant, filters, dryers, drain valves, oil/water separators, all can be conveniently obtained from your Champion distributor. By working with Champion, you are drawing on decades of experience in the compressed air market.

The Vision airend is covered by a standard full two-year warranty. Receive a five-year airend warranty by simply purchasing the appropriate maintenance kit and/or parts each year. See your Champion distributor for program details.



CHAMPION®

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