

# Advantage Series

RECIPROCATING AIR COMPRESSORS, 5-25 HP

- ▶ Air Cooled Aftercooler (7.5 HP and above)
- ▶ Auto Tank Drain
- ▶ Low Oil Monitor
- ▶ Magnetic Starter
- ▶ Vibration Isolators
- ▶ Dual Control (10 HP and above)



**CHAMPION**<sup>®</sup>

A Gardner Denver Product

*Always be one.*

# The Advantages

A little over 85 years ago Champion's amazing air compressors blazed new trails in the compressed air market. Today, Champion air compressors are still engineered with the same philosophy as we had back then. We design industrial grade air compressors for the professional.

The Champion Advantage Series offers a complete line of compressed air packages that meet any application. The Advantage Series has been carefully engineered to stand up to years of use.

Every Advantage Series compressor arrives with up to six standard, pre-installed accessories.

## Standard Equipment Features

- ▶ Heavy Duty Two Stage, Splash Lubricated Air Compressor Pump
- ▶ Multi-Finned Cylinders
- ▶ Integral Cylinder Head
- ▶ Intercoolers for Cooling Between Stages
- ▶ Reliable High Flow Disc Valves
- ▶ Oversized Main Bearings
- ▶ Balanced Crankshaft
- ▶ Oil Level Site Glass
- ▶ Centrifugal Unloader for Loadless Starting
- ▶ 0-300 PSIG Air Pressure Gauge
- ▶ Bucket High Drain Valve
- ▶ Factory Fill With ChampLub Lubricants
- ▶ ASME Code Air Receiver
- ▶ OSHA Approved Belt Guard

## Compressor Pump Warranty

Each new Champion Assembled Unit has a five (5) year warranty on the compressor pump only, against defects in materials or workmanship under normal use and service, from the date of installation or sixty-six (66) months from the date of shipment by Champion or a Champion distributor, whichever may occur first.

The five-year extended warranty covers parts and labor and is prorated over the five years as follows:

Year One — 100% coverage

Year Two — 90% coverage

Year Three — 80% coverage

Year Four — 70% coverage

Year Five — 60% coverage

Head valves are warranted for Year One only. Champion makes no warranty on components and/or accessories furnished to Champion by third parties, such as electric motors, gasoline engines and controls. These are warranted only to the extent of the original manufacturer's warranty to Champion. Electric motors must be equipped with thermal overload protection to have warranty consideration.

The extended five-year warranty will apply to ASME air receivers if they are installed on rubber vibro isolator pads or approved equivalent.

## U. L. Standards

Champion, in common with other major, industrial compressor manufacturers, does not market compressors which are U.L. listed. In general, U.L. is concerned with electrical components that may be utilized on compressor units, rather than a complete compressor package or system. All electrical components used on Champion compressors are U.L. listed. Each component – motor, starter, pressure switch, control panel – carries a U.L. identification mark on the nameplate or inside the electrical enclosure cover. The mark will be the letters "UR" reversed (as if held up to a mirror), indicating the item is "recognized" by U.L. On tank mounted units, the air receiver tank and tank pressure relief valve are ASME Code. The tank carries a National Board Registration number which appears on a stamped, metal plate welded to the tank.

# Quality Accessories at a Glance

Many options are available to help you develop a Champion compressor package that exactly matches your specific operating requirements.

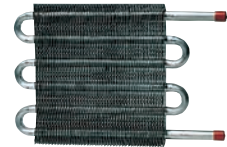


## 1 Magnetic starter

For thermal overload protection. Required for units 3 HP and up. May be mounted or unmounted.

## 2 Air-cooled or water-cooled aftercooler

Removes up to 65% of the moisture from discharged compressed air.



## 3 Automatic tank drain

Pneumatic drain operates from a centrifugal unloader.

## 4 Vibration isolators

Isolates the compressor unit from the foundation or floor. Reduces noise and protects the unit from any out-of-level floor situation that could cause vibration and damage.



## 5 Low oil level monitor

Low Oil Level Monitor shuts down the unit when oil levels are below an adequate level. Prevents the unit from restarting if oil levels are not at an adequate level.

# Specifications

| Model #        | Variants |          | Mounted Mag Starter | Vibration Isolators | Automatic Tank Drain | Low Oil Level Switch | Air Cooled Aftercooler | Dual Control |
|----------------|----------|----------|---------------------|---------------------|----------------------|----------------------|------------------------|--------------|
|                | Std.     | CA.      |                     |                     |                      |                      |                        |              |
| VR5-8-230/1    | CASRSA01 | CASRSA39 | X                   | X                   | X                    | X                    |                        |              |
| VR5-8-230/3    | CASRSA03 | CASRSA40 | X                   | X                   | X                    | X                    |                        |              |
| VR5-8-208/3    | CASRSA05 | CASRSA45 | X                   | X                   | X                    | X                    |                        |              |
| HR5-8-230/1    | CASRSA07 | CASRSA46 | X                   | X                   | X                    | X                    |                        |              |
| HR5-8-230/3    | CASRSA09 | CASRSA48 | X                   | X                   | X                    | X                    |                        |              |
| HR5-8-208/3    | CASRSA11 | CASRSA81 | X                   | X                   | X                    | X                    |                        |              |
| VR7F-8-230/1   | CASRSA13 | CASRSA42 | X                   | X                   | X                    | X                    | X                      |              |
| VR7F-8-230/3   | CASRSA15 | CASRSA44 | X                   | X                   | X                    | X                    | X                      |              |
| VR7F-8-208/3   | CASRSA17 | CASRSA53 | X                   | X                   | X                    | X                    | X                      |              |
| VR10-12-230/3  | CASRSA19 | CASRSA74 | X                   | X                   | X                    | X                    | X                      |              |
| VR10-12-208/3  | CASRSA21 | CASRSA75 | X                   | X                   | X                    | X                    | X                      |              |
| HR10-12-230/3  | CASRSA23 | CASRSA41 | X                   | X                   | X                    | X                    | X                      |              |
| HR10-12-208/3  | CASRSA25 | CASRSA49 | X                   | X                   | X                    | X                    | X                      |              |
| HR10-12-230/3  | CASRSA27 | CASRSA50 | X                   | X                   | X                    | X                    | X                      | X            |
| HR10-12-208/3  | CASRSA29 | CASRSA64 | X                   | X                   | X                    | X                    | X                      | X            |
| HRA15-12-230/3 | CASRSA31 | CASRSA43 | X                   | X                   | X                    | X                    | X                      | X            |
| HRA15-12-208/3 | CASRSA33 | CASRSA59 | X                   | X                   | X                    | X                    | X                      | X            |
| HRA25-12-230/3 | CASRSA35 | CASRSA47 | X                   | X                   | X                    | X                    | X                      | X            |
| HRA25-12-208/3 | CASRSA37 | CASRSA65 | X                   | X                   | X                    | X                    | X                      | X            |

| Motor HP | Tank Cap. Gal. | Model #  | Pump Model # | L x W x H Dimensions Inches | Approx. Ship Wt. lbs. | 125 PSI Rating |          |           | 175 PSI Rating |          |           |
|----------|----------------|----------|--------------|-----------------------------|-----------------------|----------------|----------|-----------|----------------|----------|-----------|
|          |                |          |              |                             |                       | RPM            | CFM Disp | CFM Del'y | RPM            | CFM Disp | CFM Del'y |
| 5        | 80             | VR5-8    | R-15B        | 33 x 24 x 77                | 535                   | 805            | 23.5     | 19.1      | 710            | 20.7     | 16.5      |
| 5        | 80             | HR5-8    | R-15B        | 66½ x 22¾ x 48¾             | 535                   | 805            | 23.5     | 19.1      | 710            | 20.7     | 16.5      |
| 7.5      | 80             | VR7F-8   | R-15B        | 33 x 24 x 77                | 570                   | 990            | 28.7     | 23.9      | 990            | 28.7     | 23.1      |
| 10       | 120            | VR10-12  | R-30D        | 46¾ x 30 x 80¾              | 890                   | 810            | 48.5     | 37.3      | 740            | 3.1      | 34.8      |
| 10       | 120            | HR10-12  | R-30D        | 72½ x 24 x 55¼              | 890                   | 810            | 48.5     | 37.3      | 740            | 3.1      | 34.8      |
| 15       | 120            | HRA15-12 | R-40A        | 73½ x 27½ x 62½             | 1110                  | 890            | 71.1     | 59        | 770            | 61.5     | 53.7      |
| 25       | 120            | HRA25-12 | R-70A        | 74½ x 27½ x 64              | 1365                  | 890            | 127.8    | 102.1     | 770            | 109.4    | 90.1      |

**CHAMPION®**

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