

# Centurion II

RECIPROCATING AIR COMPRESSORS  
5 - 15 HP



At Champion, air compressor systems are our only products. We know and understand the application of our products in many different operating environments. Our goal is to provide you with the compressors that fulfill — and exceed — your expectations and requirements.

Loaded with rugged features, splash-lubricated Centurion II Series reciprocating compressors deliver long-lasting performance and tremendous value. Special-alloy steel reed valves provide a self-cleaning design that maintains peak performance throughout the life of the compressor. Cast iron cylinders and heads offer rugged, industrial-rated dependability. Tank-mounted units are available in 5, 7.5, 10 and 15 horsepower models, mounted on horizontal or vertical ASME coded air receivers for maximum installation versatility.

## COMPRESSOR PUMP SPECIFICATIONS

- ▶ Splash Lubricated
- ▶ Two-Stage Design
- ▶ 100% Cast Iron Compressor Pump
- ▶ Alloy Steel Reed Valves
- ▶ Oil Level Site Glass
- ▶ Deep Finned Intercooler
- ▶ Industrial Grade Intake Filter and Silencer
- ▶ Factory Filled with ChampLub AC Lubricant
- ▶ All Pumps are Factory Tested Prior to Shipment

## STANDARD EQUIPMENT

- ▶ Automatic Start/Stop Operation
- ▶ Magnetic Starters\*
- ▶ OSHA Approved Belt Guard
- ▶ NEMA-Rated Electric Motors
- ▶ ASME Coded Receivers
- ▶ Bucket High Drain Valve
- ▶ 0–300 PSIG Air-Pressure Gauge on Tank
- ▶ Preset Pressure Switch
- ▶ Available Voltages - 208/230/460/575

## AVAILABLE OPTIONS

- ▶ Pneumatic\* and Electric Tank Drains
- ▶ Vibration Isolators
- ▶ Low Oil Level Monitor\*
- ▶ Air Cooled Aftercoolers

\* Not available with 3450 rpm motor



**CHAMPION**<sup>®</sup>

## MODEL MATRIX CCSRVA

| HP  | Tank Cap. Gal. | Unit Model | Pump Comp. Model | Dimensions L x W x H Inches | Approx. Ship Wt. lbs. | 125 PSI Rating* |            |           | 175 PSI Rating* |            |           |
|-----|----------------|------------|------------------|-----------------------------|-----------------------|-----------------|------------|-----------|-----------------|------------|-----------|
|     |                |            |                  |                             |                       | RPM             | CFM Displ. | CFM Del'y | RPM             | CFM Displ. | CFM Del'y |
| **5 | 60             | HRV5-6     | RV-15A           | 51½ x 22¾ x 47¼             | 445                   | 805             | 23.5       | 19.1      | 734             | 21.4       | 17.3      |
| **5 | 80             | HRV5-8     | RV-15A           | 66½ x 22¾ x 47¼             | 530                   | 805             | 23.5       | 19.1      | 734             | 21.4       | 17.3      |
| **5 | 120            | HRV5-12    | RV-15A           | 72½ x 24 x 54               | 760                   | 805             | 23.5       | 19.1      | 734             | 21.4       | 17.3      |
| **5 | 60             | VRV5-6     | RV-15A           | 32½ x 24½ x 76              | 450                   | 805             | 23.5       | 19.1      | 734             | 21.4       | 17.3      |
| **5 | 80             | VRV5-8     | RV-15A           | 33 x 26½ x 76               | 530                   | 805             | 23.5       | 19.1      | 734             | 21.4       | 17.3      |
| **5 | 120            | VRV5-12    | RV-15A           | 42½ x 30 x 79               | 760                   | 805             | 23.5       | 19.1      | 734             | 21.4       | 17.3      |
| 7.5 | 60             | HRV7F-6    | RV-15A           | 51½ x 22¾ x 47¼             | 510                   | 990             | 28.7       | 23.9      | 990             | 28.7       | 23.1      |
| 7.5 | 80             | HRV7F-8    | RV-15A           | 66½ x 22¾ x 47¼             | 595                   | 990             | 28.7       | 23.9      | 990             | 28.7       | 23.1      |
| 7.5 | 120            | HRV7F-12   | RV-15A           | 72½ x 24 x 53½              | 820                   | 990             | 28.7       | 23.9      | 990             | 28.7       | 23.1      |
| 7.5 | 60             | VRV7F-6    | RV-15A           | 32½ x 24½ x 76              | 515                   | 990             | 28.7       | 23.9      | 990             | 28.7       | 23.1      |
| 7.5 | 80             | VRV7F-8    | RV-15A           | 33 x 26½ x 76               | 595                   | 990             | 28.7       | 23.9      | 990             | 28.7       | 23.1      |
| 7.5 | 80             | VRV7-8     | RV-15A           | 33 x 26½ x 76               | 595                   | 670             | 39.6       | 30.0      | 575             | 33.5       | 25.8      |
| 7.5 | 120            | VRV7F-12   | RV-15A           | 42½ x 30 x 79               | 820                   | 990             | 28.7       | 23.9      | 990             | 28.7       | 23.1      |
| 7.5 | 80             | HRV7-8     | RV-30A           | 66½ x 22¾ x 48½             | 595                   | 670             | 39.6       | 30.0      | 575             | 33.5       | 25.8      |
| 7.5 | 120            | HRV7-12    | RV-30A           | 72½ x 24 x 54               | 820                   | 670             | 39.6       | 30.0      | 575             | 33.5       | 25.8      |
| 7.5 | 120            | VRV7-12    | RV-30A           | 42½ x 30 x 79               | 820                   | 670             | 39.6       | 30.0      | 575             | 33.5       | 25.8      |
| 10  | 80             | HRV10-8    | RV-30A           | 66½ x 22¾ x 47½             | 675                   | 810             | 47.3       | 37.3      | 740             | 43.1       | 34.8      |
| 10  | 120            | HRV10-12   | RV-30A           | 72½ x 24 x 54               | 890                   | 810             | 47.3       | 37.3      | 740             | 43.1       | 34.8      |
| 10  | 80             | VRV10-8    | RV-30A           | 42½ x 30 x 66¾              | 675                   | 810             | 47.3       | 37.3      | 740             | 43.1       | 34.8      |
| 10  | 120            | VRV10-12   | RV-30A           | 46¾ x 30 x 79¾              | 910                   | 810             | 47.3       | 37.3      | 740             | 43.1       | 34.8      |
| 15  | 80             | HRV15F-8   | RV-30A           | 66½ x 22¾ x 48½             | 740                   | 1045            | 60.9       | 50.2      | 1045            | 60.9       | 47.0      |
| 15  | 120            | HRV15F-12  | RV-30A           | 72½ x 24 x 54               | 960                   | 1045            | 60.9       | 50.2      | 1045            | 60.9       | 47.0      |
| 15  | 120            | VRV15F-12  | RV-30A           | 46¾ x 30 x 79¾              | 980                   | 1045            | 60.9       | 50.2      | 1045            | 60.9       | 47.0      |

\*Units tested in accordance with CAGI/PNEUROP Acceptance Test Code PN2CPTC2.

\*\*Available with either 1750 or 3450 RPM. 3450 RPM motors come with built-in TOLP (starter not required).

### THE CHAMPION EXPRESS LIMITED WARRANTY

Champion warrants each new air compressor unit to be free from defects in material and workmanship under normal use and service for a period of one year (12 months) from the date of installation or 15 months from the date of shipment by Champion. Each new Champion Centurion II Assembled Unit has a two (2) year warranty on the compressor pump only against defects in materials or workmanship under normal use and service, from the date of installation or thirty (30) months from the date of shipment by a Champion distributor, whichever may occur first. Head valves are warranted for the first year only. Champion makes no warranty on components and/or accessories furnished to Champion by third parties, such as electric motors 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. Warranty for electric motors is 60 months from start-up or 63 months from shipment. Units manufactured in Canada carry a two (2) year warranty.



RV-15A



RV-30A

Model Matrix CCPRVA

**CHAMPION**®

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