

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[®]

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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