

R-SERIES | 5-7.5 HP RECIPROCATING COMPRESSORS

Pump Model R-15B

Customized Solutions

Champion R-Series compressors provide the reliable, high quality compressed air that you've come to expect from Champion. R-Series compressors offer a wide selection of configurations and top-quality available options. With superior, professional-grade components and rugged standard features, R-Series compressors are guaranteed to provide the performance you demand.

Standard Features

- Loadless starting (via centrifugal unloader)
- ASME interstage pressure relief valve
- ODP NEMA 1760 RPM motor
- 10 Micron industrial grade intake air filter
- ASME coded receiver
- 0-300 PSIG air pressure gauge
- Available voltages
 - 1 Phase—115/208-230
 - 3 Phase—208/230/460/575
- 1-Year package warranty
- 5-Year pro-rated pump warranty

Available Options

- Multiple tank sizes and variations
- Electric or engine driven
- NEMA 4 full-voltage starter upgrade
- Premium efficiency motor upgrades
- Control panel upgrades
- Aftercooler with or without moisture separator
- Low oil-level monitor (NEMA 1 or 4)
- Dual control
- Vibration isolators
- High temperature switch (NEMA 1 or 4)
- Available switches (NEMA 1 or 4)
 - Test/Off/Auto, Hand/Off/Auto, Off/On
- Pneumatic or electric tank drain



BARE PUMP

MODEL	DIMENSIONS L x W x H INCHES	APPROX. SHIP WEIGHT LBS.	BORE DIA. INCHES	STROKE INCHES	# OF CYLINDERS	OIL CAPACITY QTS.	MIN/MAX PUMP RPM
R-15B	20 x 16.9 x 23.3	125	4.625 x 2.5	3	2	2	400/1050

BASE MOUNTED UNITS

MOTOR HP	R-SERIES CABRSA	DIMENSIONS L x W x H INCHES	APPROX. SHIP WEIGHT LBS.	125 PSI RATING		175 PSI RATING	
				RPM	CFM DEL'Y	RPM	CFM DEL'Y
5	BR5	38 x 25 x 29.5	280	805	19.1	734	17.3
7.5	BR7F	38 x 25 x 29.5	310	990	23.9	990	23.1

SIMPLEX TANK MOUNTED UNITS

MOTOR HP	TANK CAPACITY GAL.	HORIZONTAL TANK MOUNTED			VERTICAL TANK MOUNTED			125 PSI RATING		175 PSI RATING	
		R-SERIES CASRSA	DIMENSIONS L x W x H INCHES	APPROX. SHIP WEIGHT LBS.	R-SERIES CASRSA	DIMENSIONS L x W x H INCHES	APPROX. SHIP WEIGHT LBS.	RPM	CFM DEL'Y	RPM	CFM DEL'Y
5	60	HR5-6	51 x 22.5 x 49	445	VR5-6	35 x 25 x 77	445	805	19.1	734	17.3
5	80	HR5-8	66 x 22.5 x 49	535	VR5-8	35 x 27 x 75	545	805	19.1	734	17.3
5	120	HR5-12	71.5 x 25.5 x 53	765	VR5-12	43 x 30 x 80.5	765	805	19.1	734	17.3
7.5	80	HR7F-8	67 x 28 x 49	570	VR7F-8	32.5 x 24 x 75	635	990	23.9	990	23.1
7.5	120	HR7F-12	72 x 26 x 53	765	VR7F-12	36 x 30 x 81	765	990	23.9	990	23.1

DUPLEX TANK MOUNTED UNITS

MOTOR HP	TANK CAPACITY GAL.	R-SERIES CADRSA	DIMENSIONS L x W x H INCHES	APPROX. SHIP WEIGHT LBS.	125 PSI RATING		175 PSI RATING	
					RPM	CFM DEL'Y	RPM	CFM DEL'Y
5 (2)	80	HR5D-8	71.5 x 31 x 49	755	805	38.2	734	34.6
5 (2)	120	HR5D-12	75 x 30 x 56.5	980	805	38.2	734	34.6
7.5 (2)	120	HR7DF-12	75 x 30 x 56.5	1150	990	47.8	990	46.2
7.5 (2)	250	HR7DF-25	88 x 33.1 x 61.3	1485	990	47.8	990	46.2

Simplex CFM values are doubled for duplex units. Duplex units have two motors and two pumps on one tank.

CHAMPION

1301 North Euclid Avenue
Princeton, Illinois 61356 USA
www.ChampionPneumatic.com/ContactUs.aspx
866-276-4330
www.ChampionPneumatic.com



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