

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.

COMPRESSED
AIR ADVISORS

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