

R-SERIES | 2-3 HP RECIPROCATING COMPRESSORS

Pump Model R-10D

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-10D	20 x 16.8 x 23.3	125	4.6 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
2	BR2	38 x 25 x 29.5	205	562	5.6	475	4.2
3	BR3F	38 x 25 x 29.5	230	845	9.2	802	8.2

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
2	30	HR2-3	41.5 x 25 x 44.5	320	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2	60	HR2-6	51 x 22.5 x 49	425	VR2-6	33 x 25 x 77	425	562	5.6	475	4.2
2	80	HR2-8	66 x 22.5 x 49	455	VR2-8	35 x 27 x 75	455	562	5.6	475	4.2
3	30	HR3F-3	41.5 x 25 x 44.5	320	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3	60	HR3F-6	51 x 22.5 x 49	425	VR3F-6	33 x 25 x 77	425	845	9.2	802	8.2
3	80	HR3F-8	66 x 22.5 x 49	485	VR3F-8	35 x 27 x 75	455	845	9.2	802	8.2
3	120	HR3F-12	71.5 x 25.5 x 53	725	N/A	N/A	N/A	845	9.2	802	8.2

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
2 (2)	80	HR2D-8	71.5 x 31 x 49	715	562	11.2	475	8.4
2 (2)	120	HR2D-12	75 x 30 x 56.5	940	562	11.2	475	8.4
3 (2)	80	HR3DF-8	71.5 x 31 x 49	725	845	18.4	802	16.4
3 (2)	120	HR3DF-12	75 x 30 x 56.5	950	845	18.4	802	16.4

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

CHAMPION

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CR-R-R10 1st Ed. 11/15