

CHAMPION

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.



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



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Product specifications and materials are subject to change without notice.

