

R-SERIES | 7.5-15 HP RECIPROCATING COMPRESSORS

Pump Model R-30D

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-30D	22.4 x 26 x 23.6	220	4.625 x 2.5	3	4	4	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
7.5	BR7F	43 x 23 x 29	430	670	30	575	25.8
10	BR10	43 x 23 x 29	540	810	37.3	740	34.8
15	BR15F	43 x 23 x 29	550	1045	50.2	1045	49

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
7.5	80	HR7-8	67 x 26 x 50	665	VR7-8	42.5 x 30 x 67	665	670	30	575	25.8
7.5	120	HR7-12	71 x 26 x 53	860	VR7-12	42.5 x 30 x 81	800	670	30	575	25.8
10	80	HR10-8	67.3 x 26 x 49.5	675	VR10-8	42.5 x 30 x 68.8	860	810	37.3	740	34.8
10	120	HR10-12	71.4 x 26 x 52.8	890	VR10-12	42.5 x 30 x 81	890	810	37.3	740	34.8
10	250	HR10-25	88.5 x 31 x 60	1295	N/A	N/A	N/A	N/A	N/A	N/A	N/A
15	80	HR15F-8	67.3 x 26 x 49.5	675	N/A	N/A	N/A	N/A	N/A	N/A	N/A
15	120	HR15F-12	71.4 x 26 x 52.8	840	VR15F-12	42.5 x 30 x 81	890	1035	50.2	1035	49
15	250	HR15F-25	88.5 x 31 x 60	1275	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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
7.5 (2)	120	HR7D-12	83 x 30 x 56	1305	670	60	575	51.6
7.5 (2)	250	HR7D-25	88 x 33.1 x 61.3	1675	670	60	575	51.6
10 (2)	120	HR10D-12	83 x 30 x 56	1725	810	74.6	740	69.6
10 (2)	250	HR10D-25	88 x 33.1 x 61.3	2325	810	74.6	740	69.6
15 (2)	120	HR15DF-12	83 x 30 x 56	1860	1045	100.4	1045	98
15 (2)	250	HR15DF-25	88 x 33.1 x 61.3	2460	1045	100.4	1045	98

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

CHAMPION



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