

CHAMPION RECIPROCATING COMPRESSORS...

The Value Leaders



Since 1919 Champion has a solid reputation for providing the highest quality in reciprocating and rotary screw air compressor systems, parts and service. With over 85 years experience in designing and manufacturing air compressor systems, Champion knows and understands the application of our products in many different operating environments.

Proven Design.

Today's Champion Reciprocating Compressors are the product of decades of design and development.

Proven Dependability.

You rely on compressed air to perform many tasks efficiently. Champion knows that reliability is one of the main reasons for a purchase. Our slow speed, built-in efficiency through design and the longest compressor warranty in the industry make Champion compressors the proven choice!

High Performance.

R- and PL-Series compressors are loaded with features designed for day-in, day-out performance. For example, Champion's unique automotive type domed piston design allows the use of large diameter, low lift valves, while minimizing clearance volume for maximum air delivery.



Long Life.

Features such as slow speed operation, rugged cast iron crankcase construction, corrosion resistant steel valves and tapered roller-type main bearings all contribute to long life.

User-friendly Design.

A wide selection of configurations and available options, coupled with serviceability features make it easy to operate and maintain a Champion compressor. Compare all the features on the pages that follow. You'll discover why Champion is the value leader in reciprocating compressors for a broad range of automotive and industrial applications.



Specifications

HORIZONTAL TANK MOUNTED UNITS — ELECTRIC DRIVEN								125 PSI Rating*			175 PSI Rating*			250 PSI Rating*		
Motor HP	Tank Cap Gal.	R-Series CASRSA	Pump Comp Model	PL-Series CBSPLA	Pump Comp Model	L x W x H Dimensions inches	Aprox. Ship Wt.lbs.	RPM	CFM Displ.	CFM Del'y	RPM	CFM Displ.	CFM Del'y	RPM	CFM Displ.	CFM Del'y
1½	30	HR1-3	R-10D	NA	NA	41½ x 20¼ x 44½	300	575	11.2	6.0	542	10.5	5.3	NA	NA	NA
1½	60	HR1-6	R-10D	NA	NA	51½ x 23¼ x 49	400	575	11.2	6.0	542	10.5	5.3	NA	NA	NA
1½	80	HR1-8	R-10D	NA	NA	66½ x 23¼ x 49	425	575	11.2	6.0	542	10.5	5.3	NA	NA	NA
2	30	HR2-3	R-10D	NA	NA	41½ x 20¼ x 44½	320	765	14.9	8.3	725	14.1	7.5	NA	NA	NA
2	60	HR2-6	R-10D	NA	NA	51½ x 23¼ x 49	425	765	14.9	8.3	725	14.1	7.5	NA	NA	NA
2	80	HR2-8	R-10D	NA	NA	66½ x 23¼ x 49	455	765	14.9	8.3	725	14.1	7.5	NA	NA	NA
3	60	HR3-6	R-15B	HPL3-6	PL-15A	51½ x 23¼ x 49	425	485	14.1	10.9	440	12.8	9.7	380	11.0	8.0
3	80	HR3-8	R-15B	HPL3-8	PL-15A	66½ x 23¼ x 49	485	485	14.1	10.9	440	12.8	9.7	380	11.0	8.0
3	120	HR3-12	R-15B	HPL3-12	PL-15A	70½ x 25 x 52¾	725	485	14.1	10.9	440	12.8	9.7	380	11.0	8.0
5	60	HR5-6	R-15B	HPL5-6	PL-15A	51½ x 23¼ x 49	445	805	23.5	19.1	734	21.4	17.3	640	18.6	13.6
5	80	HR5-8	R-15B	HPL5-8	PL-15A	66½ x 23¼ x 49	535	805	23.5	19.1	734	21.4	17.3	640	18.6	13.6
5	120	HR5-12	R-15B	HPL5-12	PL-15A	70½ x 25 x 52¾	765	805	23.5	19.1	734	21.4	17.3	640	18.6	13.6
7½	80	HR7F-8	R-15B	HPL7F-8	PL-15A	66½ x 23¼ x 49	570	990	28.7	23.9	990	28.7	23.1	870	25.5	18.2
7½	120	HR7F-12	R-15B	HPL7F-12	PL-15A	70½ x 23¼ x 52¾	765	990	28.7	23.9	990	28.7	23.1	870	25.5	18.2
7½	80	HR7-8	R-30D	HPL7-8	PL-30A	66½ x 23¼ x 52¾	665	670	39.6	30.0	575	33.5	25.8	520	30.2	21.3
7½	120	HR7-12	R-30D	HPL7-12	PL-30A	70½ x 25 x 53¼	860	670	39.6	30.0	575	33.5	25.8	520	30.2	21.3
10	80	HR10-8	R-30D	HPL10-8	PL-30A	66½ x 23¼ x 49¼	675	810	47.3	37.3	740	43.1	34.8	640	37.1	27.5
10	120	HR10-12	R-30D	HPL10-12	PL-30A	70½ x 25 x 53¼	890	810	47.3	37.3	740	43.1	34.8	640	37.1	27.5
10	250	HR10-25	R-30D	HPL10-25	PL-30A	87½ x 30 x 60½	1295	810	47.3	37.3	740	43.1	34.8	640	37.1	27.5
15	80	HR15F-8	R-30D	HPL15F-8	NA	66½ x 23¼ x 49¼	675	1045	60.9	50.2	1045	60.9	49.0	900	52.5	42.6
15	120	HR15F-12	R-30D	HPL15F-12	PL-30A	70½ x 25 x 53¼	840	1045	60.9	50.2	1045	60.9	49.0	900	52.5	42.6
15	250	HR15F-25	R-30D	HPL15F-25	PL-30A	88½ x 30 x 60½	1275	1045	60.9	50.2	1045	60.9	49.0	900	52.5	42.6
15	120	HRA15-12	R-40A	HPL15-12	PL-40A	72 x 27½ x 62	1110	890	71.1	59.0	770	61.5	53.7	700	55.9	45.8
15	250	HRA15-25	R-40A	HPL15-25	PL-40A	89 x 30¼ x 64	1495	890	71.1	59.0	770	61.5	53.7	700	55.9	45.8
20	120	HRA20-12	R-70A	HPL20-12	PL-70A	72 x 27½ x 64½	1325	770	109.0	91.9	655	93.0	76.7	545	77.4	64.1
20	250	HRA20-25	R-70A	HPL20-25	PL-70A	89 x 30¼ x 71½	1790	770	109.0	91.9	655	93.0	76.7	545	77.4	64.1
25	120	HRA25-12	R-70A	HPL25-12	PL-70A	72 x 27½ x 64½	1365	890	127.8	102.1	770	109.4	90.1	660	93.7	76.8
25	250	HRA25-25	R-70A	HPL25-25	PL-70A	89 x 30¼ x 71½	1735	890	127.8	102.1	770	109.4	90.1	660	93.7	76.8
30	120	HRA30-12	R-70A	HPL30-12	PL-70A	72 x 27½ x 64½	1404	890	127.8	102.1	890	127.8	101.0	770	109.4	90.0
30	250	HRA30-25	R-70A	HPL30-25	PL-70A	89 x 30¼ x 71½	1774	890	127.8	102.1	890	127.8	101.0	770	109.4	90.0

VERTICAL TANK MOUNTED UNITS — ELECTRIC DRIVEN								125 PSI Rating*			175 PSI Rating*			250 PSI Rating*		
Motor HP	Tank Cap Gal.	R-Series CASRSA	Pump Comp Model	PL-Series CBSPLA	Pump Comp Model	L x W x H Dimensions inches	Aprox. Ship Wt.lbs.	RPM	CFM Displ.	CFM Del'y	RPM	CFM Displ.	CFM Del'y	RPM	CFM Displ.	CFM Del'y
1½	60	VR1-6	R-10D	NA	NA	30½ x 24 x 76	400	575	11.2	6.0	542	10.5	5.3	NA	NA	NA
1½	80	VR1-8	R-10D	NA	NA	32½ x 24 x 75	425	575	11.2	6.0	542	10.5	5.3	NA	NA	NA
2	60	VR2-6	R-10D	NA	NA	30½ x 24 x 76	425	765	14.9	8.3	725	14.1	7.5	NA	NA	NA
2	80	VR2-8	R-10D	NA	NA	32½ x 24 x 75	455	765	14.9	8.3	725	14.1	7.5	NA	NA	NA
3	60	VR3-6	R-15B	VPL3-6	PL-15A	30½ x 24 x 76	425	485	14.1	10.9	440	12.8	9.7	380	11.0	8.0
3	80	VR3-8	R-15B	VPL3-8	PL-15A	32½ x 24 x 75	485	485	14.1	10.9	440	12.8	9.7	380	11.0	8.0
3	120	VR3-12	R-15B	VPL3-12	PL-15A	36 x 30 x 81	725	485	14.1	10.9	440	12.8	9.7	380	11.0	8.0
5	60	VR5-6	R-15B	VPL5-6	PL-15A	30½ x 24 x 76	445	805	23.5	19.1	734	21.4	17.3	640	18.6	13.6
5	80	VR5-8	R-15B	VPL5-8	PL-15A	32½ x 24 x 75	545	805	23.5	19.1	734	21.4	17.3	640	18.6	13.6
5	120	VR5-12	R-15B	VPL5-12	PL-15A	36 x 30 x 81	765	805	23.5	19.1	734	21.4	17.3	640	18.6	13.6
7½	80	VR7F-8	R-15B	VPL7F-8	PL-15A	32½ x 24 x 75	635	990	28.7	23.9	990	28.7	23.1	870	25.5	18.2
7½	120	VR7F-12	R-15B	VPL7F-12	PL-15A	36 x 30 x 81	765	990	28.7	23.9	990	28.7	23.1	870	25.5	18.2
7½	80	VR7-8	R-30D	VPL7-8	PL-30A	42½ x 30 x 66¾	665	670	39.6	30.0	575	33.5	25.8	520	30.2	21.3
7½	120	VR7-12	R-30D	VPL7-12	PL-30A	43½ x 30 x 81	800	670	39.6	30.0	575	33.5	25.8	520	30.2	21.3
10	80	VR10-8	R-30D	VPL10-8	PL-30A	42½ x 30 x 66¾	860	810	48.5	37.3	740	43.1	34.8	640	37.1	27.5
10	120	VR10-12	R-30D	VPL10-12	PL-30A	43½ x 30 x 81	890	810	48.5	37.3	740	43.1	34.8	640	37.1	27.5
15	120	VR15F-12	R-30D	VPL15F-12	PL-30A	43½ x 30 x 81	890	1045	63.5	50.2	1045	63.5	49.0	900	52.5	42.6

*Pressure Lubricated units are capable of 250 PSIG operation; units tested in accordance with CAGI/PNEUROP Acceptance Test Code PN2CPTC2.

CHAMPION®

