

PL-SERIES | 3-7.5 HP RECIPROCATING COMPRESSORS

Pump Model PL-15A

The Solution to Your Application

Champion PL-Series pressure lubricated compressors offer rugged standard features, a wide selection of configurations, quality available options, and a time-tested design. High performance, long life and tremendous value make Champion compressors the proven solution to your application.

Standard Features

- Magnetic Starter
- Loadless starting (via hydraulic unloader)
- Dual control
- ASME pressure relief valve
- ODP NEMA 1760 RPM motor
- 10 Micron 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-pressure switch (NEMA 1 or 4)
- Vibration isolators
- High temperature switch (NEMA 1 or 4)
- Available switches (NEMA 1 or 4)
 - Hand/Off/Auto, Off/On
- Pneumatic or electric tank drain



BARE PUMP

MODEL	DIMENSIONS L x W x H INCHES	APPROX. SHIP WEIGHT LBS.	DISPL./REV. CUBIC FEET	BORE DIA. INCHES	STROKE INCHES	# OF CYLINDERS	OIL CAPACITY QTS.	MIN/MAX PUMP RPM
PL-15A	20 x 16.9 x 23.3	125	0.02916	4.6 & 2.5	4	4	2	375/1000

BASE MOUNTED UNITS

MOTOR HP	PL-SERIES CBBPLA	DIMENSIONS L x W x H INCHES	APPROX. SHIP WEIGHT LBS.	125 PSI RATING		175 PSI RATING		250 PSI RATING	
				RPM	CFM DEL'Y	RPM	CFM DEL'Y	RPM	CFM DEL'Y
3	BPL3	38 x 25 x 29.5	230	485	10.9	440	9.7	380	8
5	BPL5	38 x 25 x 29.5	280	805	19.1	734	17.3	640	13.6
7.5	BPL7F	38 x 25 x 29.5	310	990	23.9	990	23.1	870	18.2

SIMPLEX TANK MOUNTED UNITS

MOTOR HP	TANK CAPACITY GAL.	HORIZONTAL TANK MOUNTED			VERTICAL TANK MOUNTED			125 PSI RATING		175 PSI RATING		250 PSI RATING	
		PL-SERIES CBSPLA	DIMENSIONS L x W x H INCHES	APPROX. SHIP WEIGHT LBS.	PL-SERIES CBSPLA	DIMENSIONS L x W x H INCHES	APPROX. SHIP WEIGHT LBS.	RPM	CFM DEL'Y	RPM	CFM DEL'Y	RPM	CFM DEL'Y
3	60	HPL3-6	51 x 22.5 x 49	425	VPL3-6	30.5 x 24 x 76	425	485	10.9	440	9.7	380	8
3	80	HPL3-8	66 x 22.5 x 49	485	VPL3-	32.5 x 24 x 75	485	485	10.9	440	9.7	380	8
3	120	HPL3-12	71.5 x 25.5 x 53	725	VPL3-12	36 x 30 x 81	725	485	10.9	440	9.7	380	8
5	60	HPL5-6	51 x 22.5 x 49	445	VPL5-6	30.5 x 24 x 76	445	805	19.1	734	17.3	640	13.6
5	80	HPL5-8	66 x 22.5 x 49	535	VPL5-8	32.5 x 24 x 75	545	805	19.1	734	17.3	640	13.6
5	120	HPL5-12	71.5 x 25.5 x 53	765	VPL5-12	36 x 30 x 81	765	805	19.1	734	17.3	640	13.6
7.5	80	HPL7F-8	66 x 22.5 x 49	570	VPL7F-8	32.5 x 24 x 75	635	990	23.9	990	23.1	870	21.3
7.5	120	HPL7F-12	71.5 x 25.5 x 53	765	VPL7F-12	36 x 30 x 81	765	990	23.9	990	23.1	870	21.3

DUPLEX TANK MOUNTED UNITS

MOTOR HP	TANK CAPACITY GAL.	PL-SERIES CBDPLA	DIMENSIONS L x W x H INCHES	APPROX. SHIP WEIGHT LBS.	125 PSI RATING		175 PSI RATING		250 PSI RATING	
					RPM	CFM DEL'Y	RPM	CFM DEL'Y	RPM	CFM DEL'Y
3 (2)	80	HPL3D-8	71.5 x 31 x 49	725	485	21.8	440	19.4	380	16
3 (2)	120	HPL3D-12	75 x 30 x 56.5	950	485	21.8	440	19.4	380	16
5 (2)	80	HPL5D-8	71.5 x 31 x 49	755	805	38.2	734	34.6	640	27.2
5 (2)	120	HPL5D-12	75 x 30 x 56.5	980	805	38.2	734	34.6	640	27.2
7.5 (2)	120	HPL7DF-12	75 x 30 x 56.5	1150	990	47.8	990	46.2	870	36.4
7.5 (2)	250	HPL7DF-25	88.5 x 34.3 x 56.5	1485	990	47.8	990	46.2	870	36.4

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

CHAMPION

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Product specifications and materials are subject to change without notice.



PL-SERIES | 7.5-15 HP RECIPROCATING COMPRESSORS

Pump Model PL-30A

The Solution to Your Application

Champion PL-Series pressure lubricated compressors offer rugged standard features, a wide selection of configurations, quality available options, and a time-tested design. High performance, long life and tremendous value make Champion compressors the proven solution to your application.

Standard Features

- Magnetic Starter
- Loadless starting (via hydraulic unloader)
- Dual control
- ASME pressure relief valve
- ODP NEMA 1760 RPM motor
- 10 Micron 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-pressure switch (NEMA 1 or 4)
- Vibration isolators
- High temperature switch (NEMA 1 or 4)
- Available switches (NEMA 1 or 4)
 - Hand/Off/Auto, Off/On
- Pneumatic or electric tank drain



BARE PUMP

MODEL	DIMENSIONS L x W x H INCHES	APPROX. SHIP WEIGHT LBS.	DISPL./REV. CUBIC FEET	BORE DIA. INCHES	STROKE INCHES	# OF CYLINDERS	OIL CAPACITY QTS.	MIN/MAX PUMP RPM
PL-30A	23.6 x 22.4 x 26	220	0.05828	4.6 & 2.5	3	4	4	400/1000

BASE MOUNTED UNITS

MOTOR HP	PL-SERIES CBBPLA	DIMENSIONS L x W x H INCHES	APPROX. SHIP WEIGHT LBS.	125 PSI RATING		175 PSI RATING		250 PSI RATING	
				RPM	CFM DEL'Y	RPM	CFM DEL'Y	RPM	CFM DEL'Y
7.5	BPL7	43 x 22.5 x 28.5	310	670	30	575	25.87	520	21.3
10	BPL10	43 x 22.5 x 28.5	540	810	37.3	740	34.8	640	27.5
15	BPL15F	49.5 x 26.5 x 28.8	550	1045	50.2	1045	49	900	42.6

SIMPLEX TANK MOUNTED UNITS

MOTOR HP	TANK CAPACITY GAL.	HORIZONTAL TANK MOUNTED			VERTICAL TANK MOUNTED			125 PSI RATING		175 PSI RATING		250 PSI RATING	
		PL-SERIES CBSPLA	DIMENSIONS L x W x H INCHES	APPROX. SHIP WEIGHT LBS.	PL-SERIES CBSPLA	DIMENSIONS L x W x H INCHES	APPROX. SHIP WEIGHT LBS.	RPM	CFM DEL'Y	RPM	CFM DEL'Y	RPM	CFM DEL'Y
7.5	80	HPL7-8	67.3 x 26 x 49.5	665	VPL7-8	42.5 x 30 x 66.8	665	670	30	575	25.8	520	21.3
7.5	120	HPL7-12	71 x 26 x 52.8	860	VPL7-12	43.5 x 30 x 81	800	670	30	575	25.8	520	21.3
10	80	HPL10-8	67.3 x 26 x 49.5	675	VPL10-8	42.5 x 30 x 66.8	860	810	37.3	740	34.8	640	27.5
10	120	HPL10-12	71 x 26 x 52.8	890	VPL10-12	43.5 x 30 x 81	890	810	37.3	740	34.8	640	27.5
10	250	HPL10-25	88 x 31 x 60	1295	N/A	N/A	N/A	810	37.3	740	34.8	640	27.5
15	120	HPL15F-12	71 x 26 x 52.8	840	N/A	N/A	N/A	1045	50.2	1045	49	900	42.6
15	250	HPL15F-25	88 x 31 x 60	1275	N/A	N/A	N/A	1045	20.2	1045	49	900	42.6

DUPLEX TANK MOUNTED UNITS

MOTOR HP	TANK CAPACITY GAL.	PL-SERIES CBDPLA	DIMENSIONS L x W x H INCHES	APPROX. SHIP WEIGHT LBS.	125 PSI RATING		175 PSI RATING		250 PSI RATING	
					RPM	CFM DEL'Y	RPM	CFM DEL'Y	RPM	CFM DEL'Y
7.5 (2)	120	HPL7D-12	83 x 30 x 56	1305	670	60	575	51.6	520	42.6
7.5 (2)	250	HPL7D-25	88 x 33 x 61.3	1675	670	60	575	51.6	520	42.6
10 (2)	120	HPL10D-25	83 x 30 x 56	1725	810	74.6	740	69.6	640	55
10 (2)	250	HPL10D-12	88 x 33 x 61.3	1725	810	74.6	740	69.6	640	55
15 (2)	120	HPL15DF-12	91.8 x 26.5 x 48.8	1860	1045	100.4	1045	98	900	85.2
15 (2)	250	HPL15DF-25	83 x 30 x 56	1830	1045	100.4	1045	98	900	85.2

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

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PL-SERIES | 15 HP RECIPROCATING COMPRESSORS

Pump Model PL-40A

The Solution to Your Application

Champion PL-Series pressure lubricated compressors offer rugged standard features, a wide selection of configurations, quality available options, and a time-tested design. High performance, long life and tremendous value make Champion compressors the proven solution to your application.

Standard Features

- Magnetic Starter
- Loadless starting (via hydraulic unloader)
- Dual control
- ASME pressure relief valve
- ODP NEMA 1760 RPM motor
- 10 Micron 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-pressure switch (NEMA 1 or 4)
- Vibration isolators
- High temperature switch (NEMA 1 or 4)
- Available switches (NEMA 1 or 4)
 - Hand/Off/Auto, Off/On
- Pneumatic or electric tank drain



BARE PUMP

MODEL	DIMENSIONS L x W x H INCHES	APPROX. SHIP WEIGHT LBS.	DISPL./REV. CUBIC FEET	BORE DIA. INCHES	STROKE INCHES	# OF CYLINDERS	OIL CAPACITY QTS.	MIN/MAX PUMP RPM
PL-40A	32 x 27.5 x 30	440	0.142	6.3 & 3.3	4.5	2	4	425/1000

BASE MOUNTED UNITS

MOTOR HP	PL-SERIES CBBPLA	DIMENSIONS L x W x H INCHES	APPROX. SHIP WEIGHT LBS.	125 PSI RATING		175 PSI RATING		250 PSI RATING	
				RPM	CFM DEL'Y	RPM	CFM DEL'Y	RPM	CFM DEL'Y
15	BPL15	49.5 x 27.5 x 38	730	890	59	770	53.7	700	45.8

SIMPLEX HORIZONTAL TANK MOUNTED UNITS

MOTOR HP	TANK CAPACITY GAL.	PL-SERIES CBSPLA	DIMENSIONS L x W x H INCHES	APPROX. SHIP WEIGHT LBS.	125 PSI RATING		175 PSI RATING		250 PSI RATING	
					RPM	CFM DEL'Y	RPM	CFM DEL'Y	RPM	CFM DEL'Y
15	120	HPL15-12	72 x 27.5 x 62	1110	890	59	770	53.7	700	45.8
15	250	HPL15-25	89 x 30.3 x 69	1495	890	59	770	53.7	700	45.8

DUPLEX TANK MOUNTED UNITS

MOTOR HP	TANK CAPACITY GAL.	PL-SERIES CBDPLA	DIMENSIONS L x W x H INCHES	APPROX. SHIP WEIGHT LBS.	125 PSI RATING		175 PSI RATING		250 PSI RATING	
					RPM	CFM DEL'Y	RPM	CFM DEL'Y	RPM	CFM DEL'Y
15 (2)	250	HPL15D-25	89 x 55.6 x 73.5	2460	890	118	770	107.4	700	91.6

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

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PL-SERIES | 20-30 HP RECIPROCATING COMPRESSORS

Pump Model PL-70A

The Solution to Your Application

Champion PL-Series pressure lubricated compressors offer rugged standard features, a wide selection of configurations, quality available options, and a time-tested design. High performance, long life and tremendous value make Champion compressors the proven solution to your application.

Standard Features

- Magnetic Starter
- Loadless starting (via hydraulic unloader)
- Dual control
- ASME pressure relief valve
- ODP NEMA 1760 RPM motor
- 10 Micron 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-pressure switch (NEMA 1 or 4)
- Vibration isolators
- High temperature switch (NEMA 1 or 4)
- Available switches (NEMA 1 or 4)
 - Hand/Off/Auto, Off/On
- Pneumatic or electric tank drain



BARE PUMP

MODEL	DIMENSIONS L x W x H INCHES	APPROX. SHIP WEIGHT LBS.	DISPL./REV. CUBIC FEET	BORE DIA. INCHES	STROKE INCHES	# OF CYLINDERS	OIL CAPACITY QTS.	MIN/MAX PUMP RPM
PL-70A	28.6 x 33.5 x 33.8	570	0.1420	6.3 & 3.3	4	4	4	425/1000

BASE MOUNTED UNITS

MOTOR HP	PL-SERIES CBBPLA	DIMENSIONS L x W x H INCHES	APPROX. SHIP WEIGHT LBS.	125 PSI RATING		175 PSI RATING		250 PSI RATING	
				RPM	CFM DEL'Y	RPM	CFM DEL'Y	RPM	CFM DEL'Y
20	BPL20	57.9 x 33.9 x 39.8	1000	770	91.9	665	76.7	545	64.1
25	BPL25	57.9 x 33.9 x 39.8	1020	890	102.1	770	90.1	660	76.8
30	BPL30	57.9 x 33.9 x 39.8	1059	890	102.1	890	101.1	770	90

SIMPLEX HORIZONTAL TANK MOUNTED UNITS

MOTOR HP	TANK CAPACITY GAL.	PL-SERIES CBSPLA	DIMENSIONS L x W x H INCHES	APPROX. SHIP WEIGHT LBS.	125 PSI RATING		175 PSI RATING		250 PSI RATING	
					RPM	CFM DEL'Y	RPM	CFM DEL'Y	RPM	CFM DEL'Y
20	120	HPL20-12	72.6 x 33.9 x 63.6	1325	770	91.9	655	76.7	545	64.1
20	250	HPL20-25	89.2 x 33.9 x 70.6	1790	770	91.9	655	76.7	545	64.1
25	120	HPL25-12	72.6 x 33.9 x 63.6	1365	890	102.1	770	90.1	660	76.8
25	250	HPL25-25	89.2 x 33.9 x 70.6	1735	890	102.1	770	90.1	660	76.8
30	120	HPL30-12	72.6 x 33.9 x 63.6	1404	890	102.1	890	101	770	90
30	250	HPL30-25	89.2 x 33.9 x 70.6	1774	890	102.1	890	101	770	90

DUPLEX TANK MOUNTED UNITS

MOTOR HP	TANK CAPACITY GAL.	PL-SERIES CBDPLA	DIMENSIONS L x W x H INCHES	APPROX. SHIP WEIGHT LBS.	125 PSI RATING		175 PSI RATING		250 PSI RATING	
					RPM	CFM DEL'Y	RPM	CFM DEL'Y	RPM	CFM DEL'Y
20 (2)	250	HPL20D-25	89.2 x 64.5 x 75.3	2845	770	183.8	655	153.4	545	128.2
25 (2)	250	HPL25D-25	89.2 x 64.5 x 75.3	2940	890	204.2	770	180.2	660	153.6
30 (2)	250	HPL30D-25	89.2 x 64.5 x 75.3	3018	890	204.2	890	202	770	180

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

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