

CHAMPION

9.1-22.5 HP | RECIPROCATING AIR COMPRESSORS

Engine Driven





Service trucks, contractors,
and farmers all need a **reliable
compressor** that will be suitable
for the tools they will use.



A **Winning** Combination

Champion is the leader in manufacturing dependable compressed air systems. Champion offers a complete line of engine driven compressor packages from 9.1-22.5 HP to meet any application. With an engine driven package there is no need to worry about electrical service. Engine driven air compressors are designed to provide compressed air in remote locations or for emergency production line needs.

Champion is committed to delivering **superior products** built with the exceptional standards you expect from Champion.



R & PL-Series

Design Features

1 Engine

Comprehensive gas or diesel engine offering with sizes from 9.1-22.5 HP.

2 Flexible Oil Drain Hose

Clean services without messy oil spills.

3 Belt Tensioning System with Engine Slide Base

Provides easy service adjustments to the drive belt. The base plate also provides a sturdy platform to assist in vibration reduction.

4 High Mounted Pressure Gauge

Easy to read and reduces the risk of damage.

5 Simple Mounting Feet

One piece design for easy mounting.

6 Precise Throttle Control

Designed to provide accurate load control and easy starting.

7 Industrial Duty Cogged V-Belts

Provides maximum reliability and service life with minimal adjustments.

8 Top Plate Design

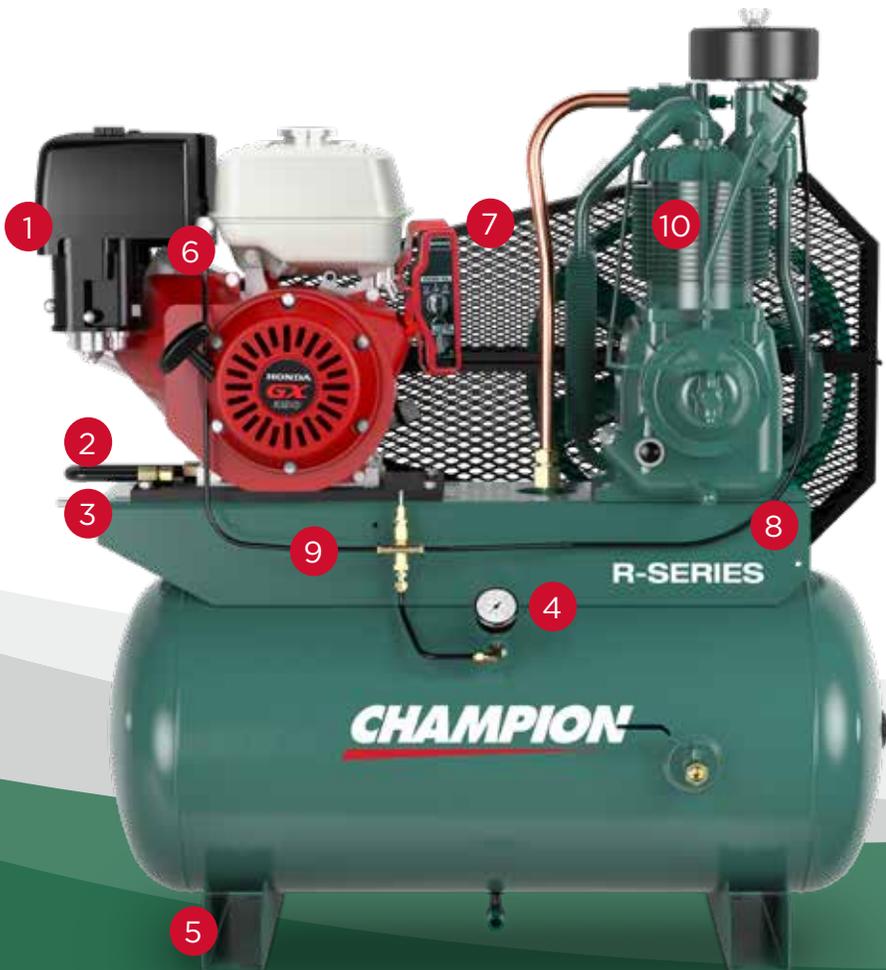
Extra clearance allows an abundant amount of room for hands and tools when servicing.

9 Pilot Unloader Valve

No more draining the tank pressure from job site to job site. With a simple flip of the valve, the package can be started with a fully pressurized tank.

10 Legendary Compressor Pumps

Utilizes the R & PL Series compressors for the most dependable package in the industry.

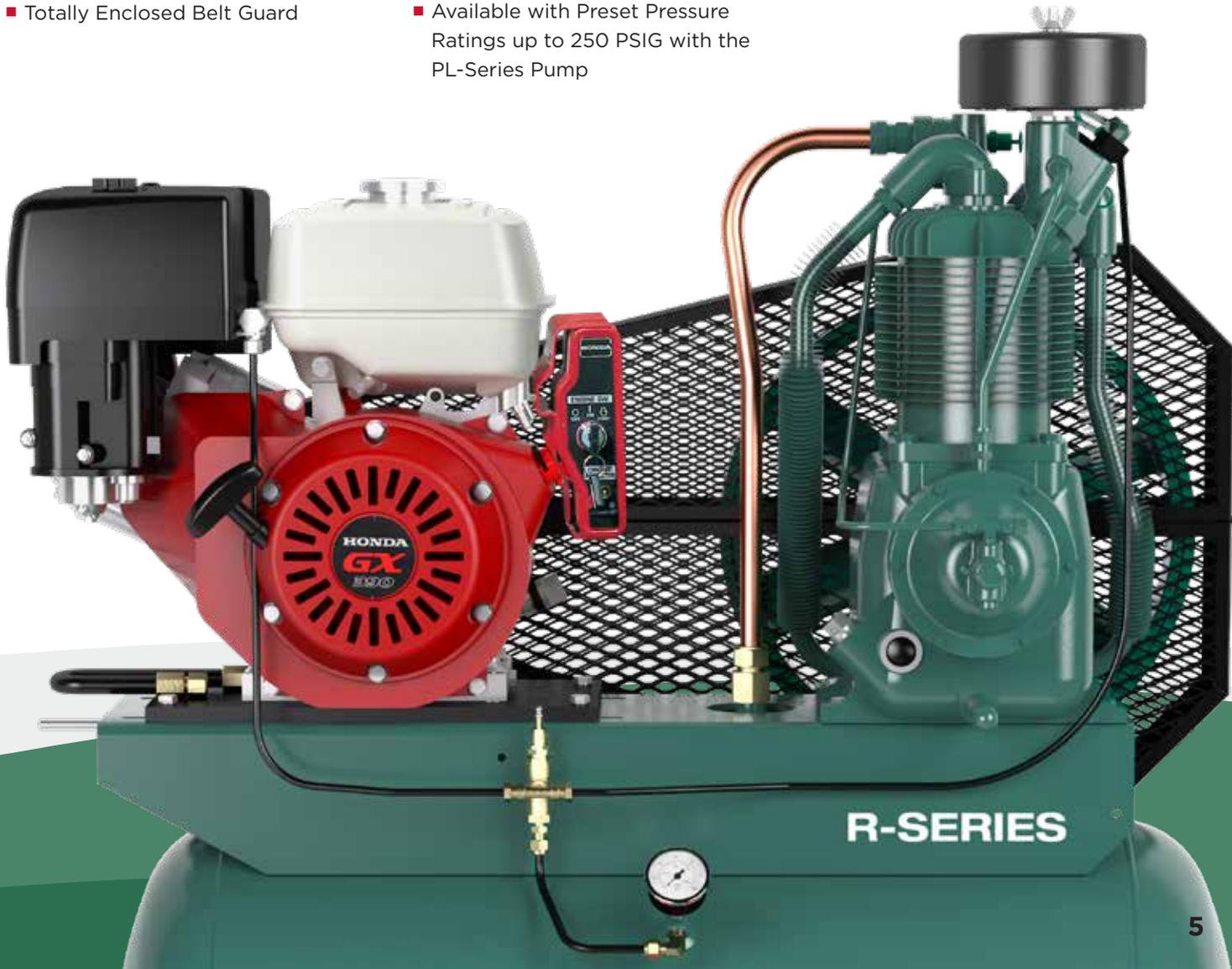


Standard Features

- Two-Stage Compressor Pump
- Available in Splash or Pressure Lubrication
- ASME & CRN Certified 30, 60, 80 Gallon Horizontal Air Receivers
 - Manual Receiver Drain Valve
 - Pressure Relief Valve
 - Service Valve
 - Pressure Gauge
 - Receivers Include Vibration Isolators
- Belt Driven
- Electric Start
- Totally Enclosed Belt Guard
- Oil Level Sight Glass
- Reliable, High Flow Disc Valves
- Intercooler for Cooling Between Stages
- Precision Balanced Flywheel for Optimum Compressor Cooling
- Gasketless Designed Integral Cylinder/Head
- 5 Year Compressor Pump Warranty
- Pumps Factory Filled with ChampLub Lubricants and are Tested at the Factory Prior to Shipment
- Available with Preset Pressure Ratings up to 250 PSIG with the PL-Series Pump

Options

- Electric Fuel Pump
- Regulator and Line Oiler
- Canvas Cover
- Auxiliary Fuel Tanks





Pressure-Lubricated PL-Series

The PL-Series compressor has been designed to operate in extreme duty applications. Because the PL-Series can operate up to 250 psi, and run in off-level operations, it is a true industrial use compressor. Champion is so confident in the way it has engineered and built its products, a 5-year warranty on the compressor pump is standard. The PL-Series features domed pistons, integral cylinder head, disc valves, and an oil pump that provides lubricant to all crucial parts of the compressor. From its extra heavy duty design to its ease of maintenance, the Champion PL-Series exemplifies reliability, durability, and quality.

Pressure Lubrication

Crankshaft and connecting rod bearings are pressure lubricated for extended life.

Oil Pressure Gauge

Mounted on the front of the compressor for an excellent view and easy pressure monitoring.

Loadless Starting

Hydraulic unloader with factory set pilot valve provides easy, loadless starts and low oil pressure protection for unattended operation.

Lubricant Filtration

An external spin-on oil filter and an internal oil inlet screen protect internal components from damaging debris.

Babbitt Bearings

Replaceable bearing makes repairs easy and inexpensive.

Positive Displacement Oil Pump

Provides lubricant to all critical areas of the compressor pump that require lubrication.

Two-Stage RECIPROCATING AIR COMPRESSORS



PL-30A



PL-15A

Splash-Lubricated R-Series

Loaded with rugged features, the R-Series splash-lubricated compressors deliver high performance, long life, and tremendous value.



R-15B



R-30D

Multi-Finned Cylinders

Cooler operating temperatures result in longer life and consistent performance over time.

Integral Cylinder/Head

Gasketless design eliminates the possibility of blown head gaskets for trouble-free operation.

Balanced Pistons

Aluminum alloy first-stage piston is weight-matched to the cast iron second-stage piston, ensuring proper balance.

Piston Rings

Two compression rings and one oil control ring provide excellent oil control, and high efficiency air delivery.

Lightweight Connecting Rods

High-density, die-cast aluminum alloy rods minimize reciprocating weight. An integral, precision-bored crankpin bearing and a needle bearing for the piston pin properly distribute bearing loads for longer bearing life than bushings.

Pressure Relief Valves

Located in interstage and discharge.

Large Capacity Crankcase

Rugged cast iron oil reservoir has convenient sight gauge glass, corner oil fill boss and large oil drain.

Intercoolers

Large diameter finned tubing is positioned to obtain the greatest cooling effect between stages for maximum compressor efficiency.

Optimized Cooling Fan/ Flywheel

Precision balanced flywheel has fan blades for optimum compressor cooling and life.

Reliable, High-Flow Valves

Single-unit, disc-type valves provide low lift and long life. Discs are made of corrosion resistant. Steel valves are easily serviced by removing the manifolds only.

Oversized Main Bearings

Tapered roller-type main bearings provide full contact and support of the crankshaft plus delivers the longest possible life.

Balanced Crankshaft

Constructed of rugged ductile iron with large diameter throws for minimum bearing loads and counterweights to minimize vibration.

Loadless Starting

Positive acting, governor-type centrifugal unloader assures longer motor life by allowing the compressor to start unloaded every time.

Centurion II Compressor/Generator

Design Features

- 1 Generator**
Comprehensive 4000-watt generator with plug-in's for 120V AND 240V allowing you to run your electric power tools or plug in extra lighting. Also an acceptable power source in times of power outage.
- 2 Engine**
Standard electric start 13 HP Honda GX390 engine.
- 3 High Mounted Dual Pressure Gauges**
Easy to read and reduces the risk of damage. The left side gauge signifies receiver pressure and the right side gauge signifies output pressure.
- 4 Simple Mounting Feet**
One-piece design for easy mounting.
- 5 Top Plate Design**
Extra clearance allows an abundant amount of room for hands and tools when servicing.
- 6 Easy to use**
Electric start on engine with recoil backup.
- 7 Adjustable Pressure Regulator**
Allows you to properly set pressure by turning knob left for less pressure and right for more pressure.
- 8 Lifting Bracket**
Convenient center of gravity hook allowing for easy moving.
- 9 Gas Pilot Valve**
No more draining the tank pressure from job site to job site. With a simple flip of the valve, the package can be started with a fully pressurized tank.
- 10 Legendary Compressor Pump**
The Legend continues, utilizing our 100% cast iron RV-Series pump.



Standard Features

- Two-Stage Compressor Pump
- Splash Lubricated
- Twin 4 Gallon Horizontal Air Receiver Tanks
 - Manual Receiver Drain Valve
- Belt Driven
- Electric Start
- Comprehensive Base Plate
 - Includes Dual Pressure Gauges, Pressure Relief Valve, Adjustable Pressure Regulator, and Air Socket
- Lifting Bracket
- Totally Enclosed Belt Guard
- Oil Level Sight Glass
- Aluminum Valve Plate with Stainless Steel Reed Valves
- Intercooler for Cooling Between Stages
- Precision Balanced Flywheel for Optimum Compressor Cooling

Splash Lubricated Pump Features:

The RV-Series pump is a cast-iron splash-lubricated pump that exemplifies quality, reliability, long life and tremendous value.

- Design
- 100% Cast Iron Compressor Pump
- Stainless Steel Reed Valves
- Oil Level Sight Glass
- Oil Drain
- Deep Finned Intercooler
- Large, Cast Iron Flywheel
- Industrial Grade Intake Filter and Silencer
- Factory Filled with ChampLub AC Lubricant
- All Pumps are Factory Tested Prior to Shipment





ENGINE DRIVEN
Gasoline

ENGINE HP	TANK CAP (GAL.)	GAS				NEW CAERSB MODEL DIMENSIONS			APPROX. WEIGHT LBS.	175 PSI RATING*			250 PSI RATING*		
		R-SERIES R2-30A	PUMP MODEL	PL-SERIES* CBEPLB	PUMP MODEL	L	W	H		RPM	CFM DISPL.	CFM DEL'Y	RPM	CFM DISPL.	CFM DEL'Y
13	NA	BGR7-H	R15B	BGPL7-H	PL15A	41.2	20.5	29.3	400	1025	29.9	23.2	950	27.7	19.8
13	(2) 4	HGR7-LPH	R15B	HGPL7-LPH	PL15A	41.3	22.3	37.6	500	1025	29.9	23.2	950	27.7	19.8
13	30	HGR7-3H	R15B	HGPL7-3H	PL15A	41.6	20.5	45.5	485	1025	29.9	23.2	950	27.7	19.8
13	60	HGR7-6H	R15B	HGPL7-6H	PL15A	52.5	21.3	49.1	585	1025	29.9	23.2	950	27.7	19.8
13	80	HGR7-8H	R15B	HGPL7-8H	PL15A	67.5	21.3	49.1	640	1025	29.9	23.2	950	27.7	19.8
14	NA	BGR7K	R15B	BGPL7K	PL15A	41.2	20.5	29.3	400	1025	29.9	23.2	950	27.7	19.8
14	(2) 4	HGR7-LPK	R15B	HGPL7-LPK	PL15A	41.3	22.3	37.6	500	1025	29.9	23.2	950	27.7	19.8
14	30	HGR7-3K	R15B	HGPL7-3K	PL15A	41.6	20.5	45.5	485	1025	29.9	23.2	950	27.7	19.8
14	60	HGR7-6K	R15B	HGPL7-6K	PL15A	52.5	21.3	49.1	585	1025	29.9	23.2	950	27.7	19.8
14	80	HGR7-8K	R15B	HGPL7-8K	PL15A	67.5	21.3	49.1	640	1025	29.9	23.2	950	27.7	19.8
20.5	NA	BGR10K	R30D	BGPL10K	PL30A	34	23	29	540	765	44.6	36.2	680	39.6	31.2
22.5	5	BGR12K	R30D	BGPL12K	PL30A	46	28	35.8	590	940	55	44.2	810	47.2	38.4

H - Honda. K - Kohler. NOTES: *Only pressure lubricated units are capable of 250 PSIG operation. Units tested in accordance with CAGI/PNEUROP Acceptance Test Code PN2CPTC3. Dimensions are for R-Series compressors. Add 1" to the width for PL units.

COMPRESSOR/GENERATOR

ENGINE HP	TANK CAP (GAL.)	GAS			HGRV7-LPH-G DIMENSIONS			APPROX. WEIGHT LBS.	175 PSI RATING		
		COMP/GEN MODEL	COMP/GEN PART NUMBER	PUMP MODEL	L	W	H		RPM	CFM DISPL.	CFM DEL'Y
13	(2) 4	HGRV7-LPH-G	CC1153480	RV15A	46	22	35	490	784	22.9	17.9



KOHLER
14 HP
Command Pro
CH440



KOHLER
20 HP
Command Pro
CH640



KOHLER
23 HP
Command Pro
CH680



HONDA
13 HP
GX390



ENGINE DRIVEN
Diesel

ENGINE HP	TANK CAP GAL.	DIESEL				NEW CAERSB MODEL DIMENSIONS			APPROX. WEIGHT LBS.	175 PSI RATING*			250 PSI RATING*		
		R-SERIES R2-30A	PUMP MODEL	PL-SERIES* CBEPLB	PUMP MODEL	L	W	H		RPM	CFM DISPL.	CFM DEL'Y	RPM	CFM DISPL.	CFM DEL'Y
9.1	NA	BDR5K	R15B	BDPL5K	PL15A	41.2	20.6	29.3	440	870	25.3	20.1	650	18.9	13.6
9.1	30	HDR5-3K	R15B	HDPL5-3K	PL15A	41.6	20.5	45.5	570	870	25.3	20.1	650	18.9	13.6
9.1	80	HDR5-8K	R15B	HDPL5-8K	PL15A	67.5	21.3	49.1	680	870	25.3	20.1	650	18.9	13.6
9.1	NA	BDR5Y	R15B	BDPL5Y	PL15A	41.2	20.6	29.3	440	940	27.4	21.7	810	23.6	18.7
9.1	30	HDR5-3Y	R15B	HDPL5-3Y	PL15A	42.7	20.5	45.5	570	940	27.4	21.7	810	23.6	18.7
9.1	80	HDR5-8Y	R15B	HDPL5-8Y	PL15A	67.5	21.3	49.1	680	940	27.4	21.7	810	23.6	18.7

K - Kohler, Y-Yanmar.

NOTE: Only pressure lubricated units are capable of 250 PSIG operation.
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Dimensions are for R-Series compressors. Add 1" to the width for PL units.



KOHLER
9.1 HP
Kohler Diesel
KD-440



YANMAR
9.1 HP
L100V



Sales & Service Distributors Across America

An Extensive Network

Your sales, service and technical support needs will be handled quickly and easily by our extensive network of Champion factory-trained, authorized local distributors. Maintaining and adequately servicing your compressor has never been easier.

Over **1,100** Champion distributors ready to provide solutions to all your compressed air needs

To find a distributor visit:
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