Two Stage Engine Driven
Reciprocating Air Compressors 8–23 HP
Design Features

1. Engine
Comprehensive engine offering a wide size range from 8–25 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 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.

Dependable Compressed Air Systems
Gardner Denver is the leader in manufacturing dependable compressed air systems. Gardner Denver offers a complete line of engine driven compressor packages from 8–25 horsepower to meet any application.

With an engine driven package there is no need to worry about electrical service. Engine driven air compressors were designed to provide compressed air in remote locations or for emergency production line needs.

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

- Two Stage, Single Acting 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
  - 30 Gallon 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 AEON 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

- Heavy Duty Vibration Isolators for 30 Gallon Receiver
- Electric Fuel Pump
- Regulator and Line Oiler
- Canvas Cover
Splash-Lubricated R-Series

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.

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 Swedish 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.

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

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

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

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

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

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.

Babbitt bearings
Replaceable bearing makes repairs easy and inexpensive.

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

HIGHEST QUALITY COMPRESSOR PUMPS
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. Gardner Denver 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 Gardner Denver PL-Series exemplifies reliability, durability and quality.
## Engine Driven Gasoline

### Table of Specifications

<table>
<thead>
<tr>
<th>Motor HP</th>
<th>Tank Cap Gal.</th>
<th>R-Series CAERSB</th>
<th>Pump Model</th>
<th>PL-Series CBEPLB</th>
<th>Pump Model</th>
<th>Dimensions Approx. Weight lbs.</th>
<th>175 PSI Rating* RPM</th>
<th>175 PSI Rating* CFM Displ.</th>
<th>175 PSI Rating* CFM Del'y</th>
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*H - Honda, B - Briggs and Stratton, K - Kohler.  
NOTE: 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.
# Engine Driven Diesel

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<th>250 PSI Rating*</th>
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NOTE: 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.

Kohler Engines

**KOHLER**  
10 HP - Kohler Diesel  
25 HP - Kohler Diesel

**YANMAR**  
10 HP - L100V
Let Gardner Denver
Take Control of Your System

To ensure total system reliability, Gardner Denver provides a broad range of dryers, filters, oil/water separators, drains, cleaning fluids and aftercoolers. ONE-STOP shopping from Gardner Denver assures that all components of your system are compatible and backed by on-going customer support.