

R & PL Series

Your Constant Workforce
for Compressed Air



GARDNER DENVER RECIPROCATING COMPRESSORS... THE VALUE LEADERS.

At Gardner Denver, air compressor systems are our only product. We know and understand the application of our products in many different operating environments. Our goal is to provide you with the compressors that fulfill—and exceed—your expectations and requirements.

Because compressed air is an essential utility, dependability is an essential compressor quality. If your compressor goes down, it can hurt your reputation—and your bottom line. Gardner Denver reciprocating compressors are proven units, known for their reliability over decades of use. In addition to dependability, you want a compressor that is user-friendly. Gardner Denver comes through again, with a wide selection of configurations and options designed for trouble-free operation.

You can't beat a Gardner Denver compressor!



R & PL Series Lubricated Compressors

Proven Design

Today's Gardner Denver Reciprocating Compressors are the product of decades of design and development. In fact, we introduced the first single-stage compressor in 1919 and have continuously improved its design through innovations in material, production techniques and quality control.

Proven Dependability

You rely on compressed air to perform many tasks efficiently. Gardner Denver 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 Gardner Denver compressors the proven choice!

High Performance

R & PL-Series compressors are loaded with features designed for day-in, day-out performance. For example, Gardner Denver'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 Gardner Denver compressor. Compare all the features on the pages that follow. You'll discover why Gardner Denver is the value leader in reciprocating compressors for a broad range of automotive and industrial applications.

Select The Configuration That Matches Your Application

With many models from which to choose in both single-stage and two-stage compressors, we can match your exact needs. These configurations, combined with a wide choice of options, provide all the components for a customized installation. They are available in both R-Series splash-lubricated and PL-Series pressure-lubricated models.

Tank-Mounted Air Compressors

Available with horizontal or space-saving vertical tanks. Two-stage air compressors compress air to a higher pressure than single-stage compressors.



Base-Mounted Air Compressors

Designed for installations where air tanks are remotely located.



Duplex Air Compressors

For extra air delivery when you need it without wasted space. Plus the flexibility of single operation, alternating between compressors, or duplex operation to meet high air demand.



Gasoline or Diesel Engine Powered Air Compressors

Truck and utility bed mounting design makes these compressors ideal for fleet and field service. Ideal for applications where electricity is not available.



Bare Compressor Pumps

Gardner Denver pumps provide dependable service for industrial applications, OEM applications, and pump replacement. The rugged pump design assures reliability and long maintenance intervals.

Receivers

Receivers are ASME approved and include a pressure gauge, pressure relief valve, drain valve and service valve.

Splash-Lubricated R-Series

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

1. Multi-finned Cylinders

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

2. Integral Cylinder/Head

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

3. Balanced Pistons

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

4. Piston Rings

Three compression rings and one oil control ring provide excellent oil control, minimum blow-by and high efficiency air delivery.

5. Lightweight Connection 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.

6. Pressure Relief Valves

Located in interstage and discharge.

7. Intercoolers

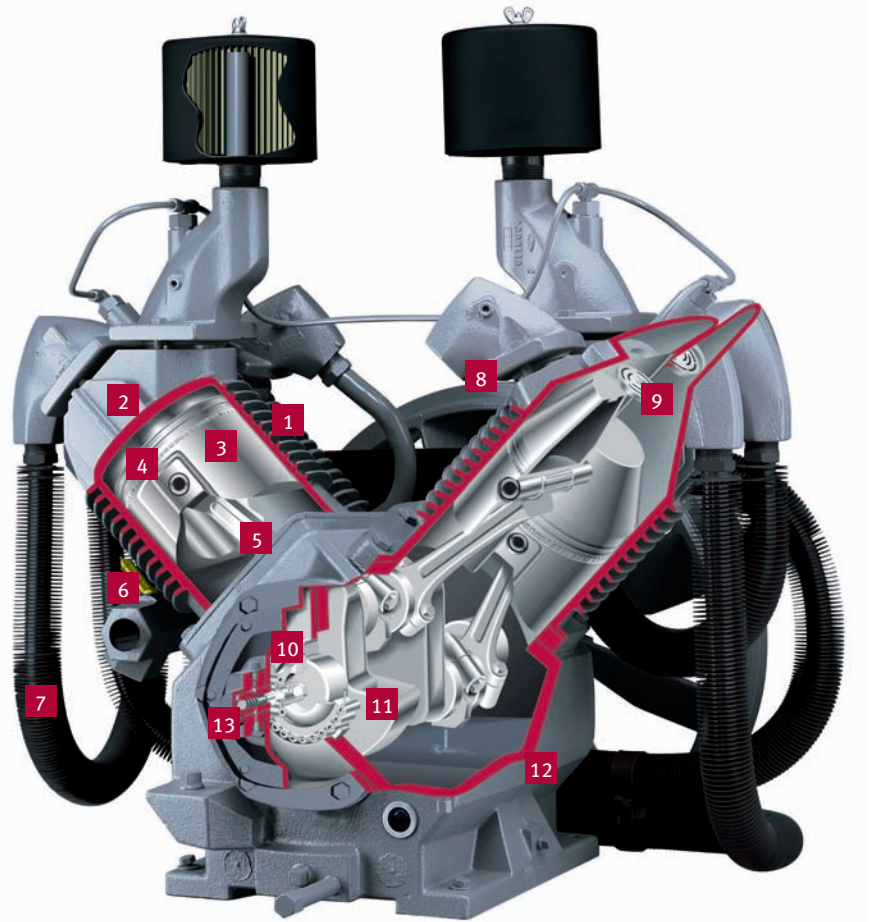
Large-diameter finned tubing is positioned to obtain the greatest cooling effect between stages for maximum compressor efficiency.

8. Optimized Cooling Fan/Flywheel

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

9. 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.



10. Oversized Main Bearings

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

11. Balanced Crankshaft

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

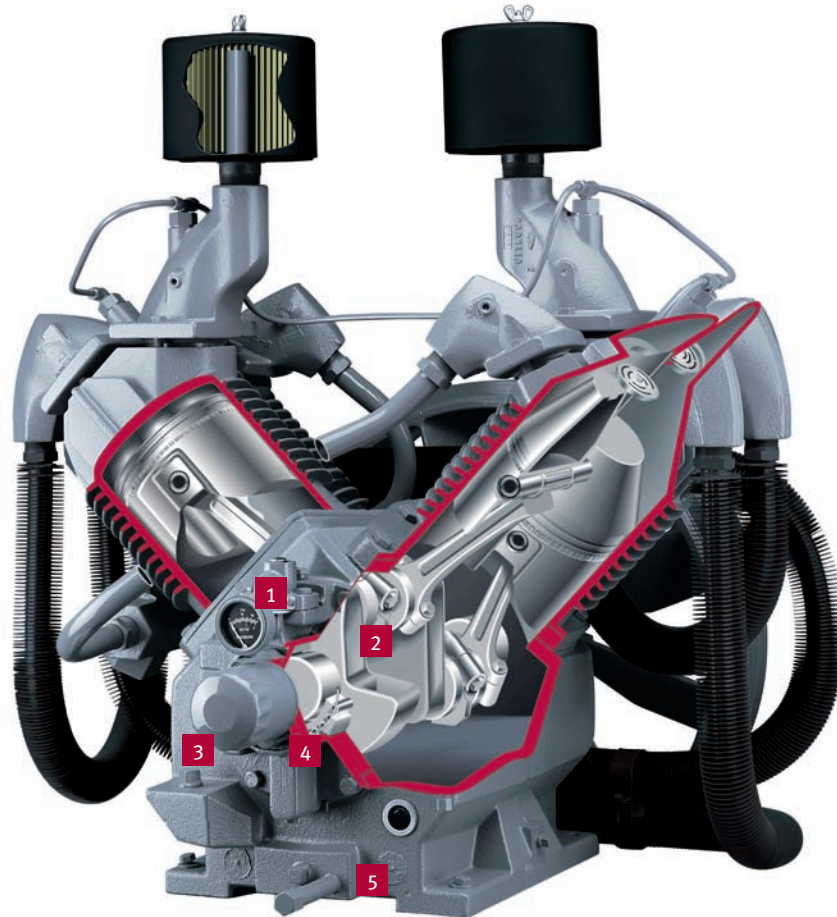
12. Large Capacity Crankcase

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

13. Loadless Starting

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

Pressure-Lubricated PL-Series



The PL-Series compressor has been designed to operate in extreme duty applications and is also an alternative to the R-Series unit. Because the PL-Series can operate up to 250 PSI in remote locations or 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, it offers a 5-year warranty on the compressor pump. 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.

1. Oil Pressure Gauge

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

2. Tapered Roller Bearing

Insures long operating life of the crankshaft

3. Positive Displacement Oil Pump

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

4. Pressure Lubrication

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

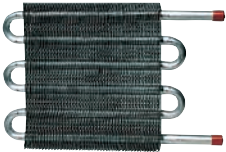
5. Internal Filtration

An oil inlet screen is located in the center of the crankcase to protect bearings from larger debris.

Options



1



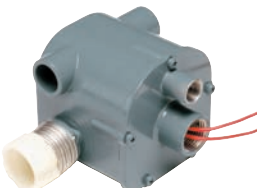
2



3



4



5

Select the Options That Match Your Needs

Many options are available to help you develop a Gardner Denver compressor package that exactly matches your specific operating requirements.

1. Magnetic Starter

For thermal overload protection. Required for units 3 horsepower and above. Starters available as mounted or unmounted.

2. Air-Cooled or Water-Cooled Aftercooler

The factory mounted, heavy duty, air-cooled aftercooler effectively reduces up to 65% of the moisture from discharged compressed air.

3. Automatic Tank Drain (Pneumatic)

Automatically removes water from air receiver upon demand. Eliminates the need for manual purging.

4. Vibration Isolators

Isolates the compressor unit from the foundation or floor. Reduces noise and protects the unit from any out-of-level floor situation that could cause vibration and damage.

5. Low Oil Level Monitor

Low Oil Level Monitor shuts down the unit when oil levels are below an adequate level. Prevents the unit from restarting if oil levels are not at an adequate level.

6. Refrigerated Dryer

Cools compressed air to a 33°F-39°F dew point, eliminating additional downstream condensation in the air line. Normally, a dryer should be used in conjunction with an aftercooler.



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7. DPR Control Panel

The Microprocessed Duplex Relay Panel was created for controlling a duplex air compressor package. The controller includes visual maintenance and shut down alarms.



7

8. Gardner Denver Compressor Lubricants

AEON™ lubricants are blended specifically for Gardner Denver compressors for use in harsh compressor environments. They are sourced from extremely stable base stocks and enhanced with carefully selected additive packages to provide long life and superior protection. AEON™ lubricants are suitable for a variety of applications and are available as a mineral oil, synthetic or food-grade synthetic. Available in 55-gallon drums, five-gallon pails, one-gallon bottles and one-quart bottles.



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Other Options

- Power Monitor that shuts down unit in the event of single phasing, low voltage or phase reversal
- Constant Speed Control which prevents excessive motor start/stop cycles while saving energy
- Dual Control will allow the compressor to run either in start/stop or constant speed mode
- NEMA 4 rated parts available
- Alternate voltages and TEFC, ODPHE, TEFCHE Electric Motors

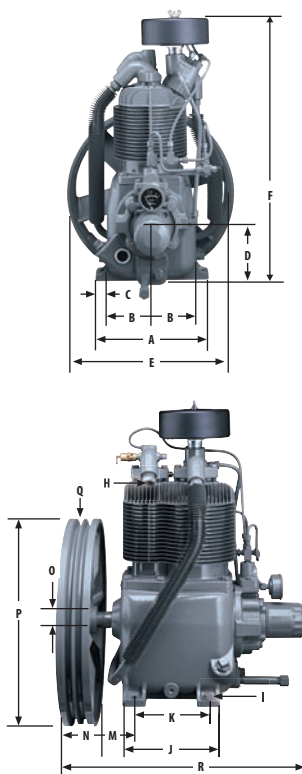
Dimensions

R & PL-SERIES BARE-PUMP DIMENSIONS

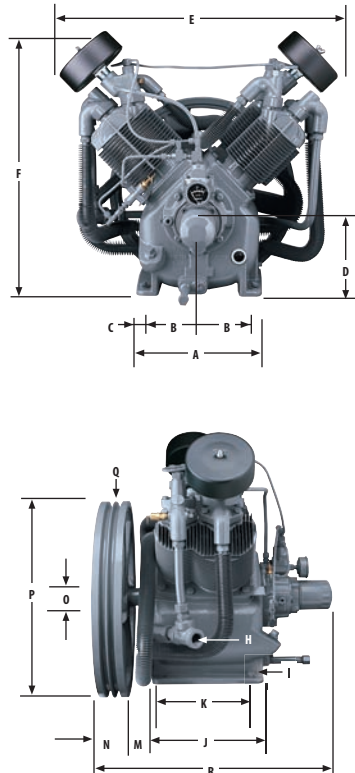
| Item | R-10D, R-15B, PL-15 Inch | R-30D & PL-30 Inch | R-40A & PL-40 Inch | R-70A & PL-70 Inch |
|------------------------------------|-----------------------------|----------------------------------|----------------------------------|---------------------------------|
| A | Base – Width | 10 | 11 ¹ / ₈ | 12 ⁷ / ₈ |
| B | Boltdown – Width | 4 ³ / ₈ | 4 ¹³ / ₁₆ | 5 ¹¹ / ₁₆ |
| C | Boltdown to Edge | 5 ⁵ / ₈ | 3 ³ / ₄ | 3 ³ / ₄ |
| D | Base to Crank CTR | 5 ¹ / ₂ | 7 | 7 ¹⁵ / ₁₆ |
| E | Overall Width | 16 ⁷ / ₈ | 26 | 30 |
| F | Overall Height | 23 ¹ / ₄ | 23 ⁹ / ₁₆ | 32 |
| H | HP Exh. Opening Manifold | 3/4" Tubing | 3/4 NPT | 1" Tubing |
| I | Boltdown Hole Diameter | 15 ¹⁵ / ₃₂ | 17 ¹⁷ / ₃₂ | 9 ⁹ / ₁₆ |
| J | Base – Depth | 7 ¹ / ₂ | 9 ³ / ₄ | 12 |
| K | Boltdown – Depth | 5 ³ / ₄ | 8 ¹ / ₁₆ | 10 |
| L | Boltdown to Edge | 7 ⁷ / ₈ | 2 ²⁷ / ₃₂ | 1 |
| M | Bolt Hole to Wheel (Max.) | 3 | 3 ³ / ₄ | 5 ³ / ₄ |
| N | Flywheel – Width | 2 ¹ / ₂ | 2 ²³ / ₃₂ | 3 ¹ / ₂ |
| O | Crank Diameter | 1 ¹ / ₁₆ | 1 ³ / ₄ | 2 ¹ / ₄ |
| P | Flywheel Diameter | 16 ¹ / ₂ | 18 ⁷ / ₈ | 22 |
| Q | Flywheel Grooves | 2VB* | 2VB* | 3VB* |
| R | Overall Depth | 20 | 22 ³ / ₈ | 27 ¹ / ₂ |
| Approximate Shipping Weight (lbs.) | | 125 | 220 | 440 |

*VB: V Belt

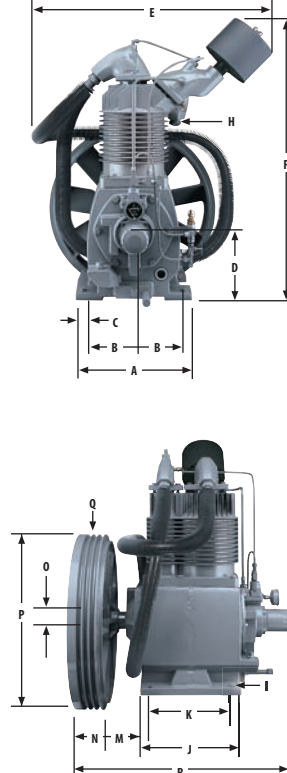
R-10D, R-15B, PL-15A



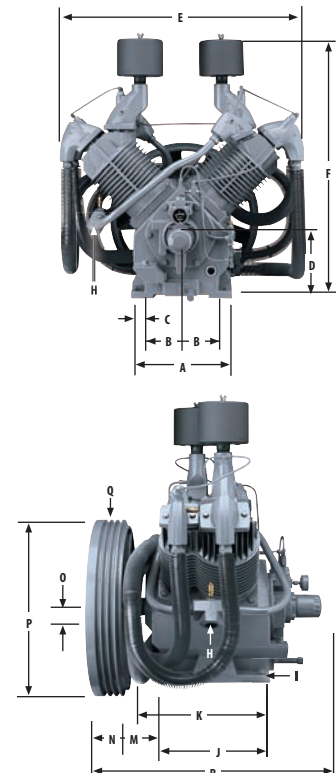
R-30D & PL-30A



R-40A & PL-40A



R-70A & PL-70A



HORIZONTAL TANK MOUNTED UNITS — ELECTRIC DRIVEN

| 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. | 125 PSI Rating* | | | 175 PSI Rating* | | | 250 PSI Rating* | | |
|----------|---------------|-----------------|-----------------|------------------|-----------------|-----------------------------|---------------------|-----------------|------------|-----------|-----------------|------------|-----------|-----------------|------------|-----------|
| | | | | | | | | 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 | 710 | 20.7 | 16.5 | 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 | 710 | 20.7 | 16.5 | 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 | 710 | 20.7 | 16.5 | 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

| 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. | 125 PSI Rating* | | | 175 PSI Rating* | | | 250 PSI Rating* | | |
|----------|---------------|-----------------|-----------------|------------------|-----------------|-----------------------------|---------------------|-----------------|------------|-----------|-----------------|------------|-----------|-----------------|------------|-----------|
| | | | | | | | | 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 | 710 | 20.7 | 16.5 | 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 | 710 | 20.7 | 16.5 | 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 | 710 | 20.7 | 16.5 | 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.

Specifications

BASE MOUNT

| Motor HP | R-Series CABRSA | Pump Comp Model | PL-Series CBBPLA | Pump Comp Model | L x W x H Dimensions inches | Aprox. Ship Wt.lbs. | 125 PSI Rating* | | | 175 PSI Rating* | | | 250 PSI Rating* | | |
|----------|-----------------|-----------------|------------------|-----------------|-----------------------------|---------------------|-----------------|------------|-----------|-----------------|------------|-----------|-----------------|------------|-----------|
| | | | | | | | RPM | CFM Displ. | CFM Del'y | RPM | CFM Displ. | CFM Del'y | RPM | CFM Displ. | CFM Del'y |
| 1½ | BR-1 | R-10D | NA | NA | 34½ x 19¾ x 29½ | 205 | 575 | 11.2 | 6.0 | 542 | 10.5 | 5.3 | NA | NA | NA |
| 2 | BR-2 | R-10D | NA | NA | 34½ x 19¾ x 29½ | 205 | 765 | 14.9 | 8.3 | 725 | 14.1 | 7.5 | NA | NA | NA |
| 3 | BR-3 | R-15B | BPL-3 | PL-15A | 34½ x 19¾ x 29½ | 230 | 485 | 14.1 | 10.9 | 440 | 12.8 | 9.7 | 380 | 11.0 | 8.0 |
| 5 | BR-5 | R-15B | BPL-5 | PL-15A | 34½ x 19¾ x 29½ | 280 | 805 | 23.5 | 19.1 | 710 | 20.7 | 16.5 | 640 | 18.6 | 13.6 |
| 7½ | BR-7F | R-15B | BPL-7F | PL-15A | 34½ x 19¾ x 29½ | 310 | 990 | 28.7 | 23.9 | 990 | 28.7 | 23.1 | 870 | 25.5 | 18.2 |
| 7½ | BR-7 | R-30D | BPL-7 | PL-30A | 41½ x 22¼ x 28¾ | 430 | 670 | 39.6 | 30.0 | 575 | 33.5 | 25.8 | 520 | 30.2 | 21.3 |
| 10 | BR-10 | R-30D | BPL-10 | PL-30A | 41½ x 22½ x 28¾ | 540 | 810 | 47.3 | 37.3 | 740 | 43.1 | 34.8 | 640 | 37.1 | 27.5 |
| 15 | BR-15F | R-30D | BPL-15F | PL-30A | 49½ x 26½ x 28¾ | 550 | 1045 | 60.9 | 50.2 | 1045 | 60.9 | 49.0 | 900 | 52.5 | 42.6 |
| 15 | BRA-15 | R-40A | BPL-15 | PL-40A | 49½ x 27½ x 38 | 730 | 890 | 71.1 | 59.0 | 770 | 61.5 | 53.7 | 700 | 55.9 | 45.8 |
| 20 | BRA-20 | R-70A | BPL-20 | PL-70A | 54½ x 28½ x 39½ | 1000 | 770 | 109.0 | 91.9 | 655 | 93.0 | 76.7 | 545 | 77.4 | 64.1 |
| 25 | BRA-25 | R-70A | BPL-25 | PL-70A | 54½ x 28½ x 39½ | 1020 | 890 | 127.8 | 102.1 | 770 | 109.4 | 90.1 | 660 | 93.7 | 76.8 |
| 30 | BRA-30 | R-70A | BPL-30 | PL-70A | 54½ x 28½ x 39½ | 1059 | 890 | 127.8 | 102.1 | 890 | 127.0 | 101.1 | 770 | 109.4 | 90.0 |

TANK-MOUNTED DUPLEX

| Motor HP | Tank Cap Gal. | R-Series CADRSA | Pump Comp Model | PL-Series CBDPLA | Pump Comp Model | L x W x H Dimensions inches | Aprox. Ship Wt.lbs. | 125 PSI Rating* | | | 175 PSI Rating* | | | 250 PSI Rating* | | |
|----------|---------------|-----------------|-----------------|------------------|-----------------|-----------------------------|---------------------|-----------------|------------|-----------|-----------------|------------|-----------|-----------------|------------|-----------|
| | | | | | | | | RPM | CFM Displ. | CFM Del'y | RPM | CFM Displ. | CFM Del'y | RPM | CFM Displ. | CFM Del'y |
| 2 (2) | 80 | HR2D-8 | R-10D | NA | NA | 66¾ x 28 x 51¾ | 715 | 765 | 29.8 | 16.6 | 725 | 28.2 | 15.0 | NA | NA | NA |
| 2 (2) | 120 | HR2D-12 | R-10D | NA | NA | 70½ x 28 x 55¼ | 940 | 765 | 29.8 | 16.6 | 725 | 28.2 | 15.0 | NA | NA | NA |
| 3 (2) | 80 | HR3D-8 | R-15B | HPL30-8 | PL-15A | 66¾ x 28 x 51¾ | 725 | 485 | 28.2 | 21.8 | 440 | 25.6 | 19.4 | 380 | 22.0 | 16.0 |
| 3 (2) | 120 | HR3D-12 | R-15B | HPL30-12 | PL-15A | 70½ x 28 x 55¼ | 950 | 485 | 28.2 | 21.8 | 440 | 25.6 | 19.4 | 380 | 22.0 | 16.0 |
| 5 (2) | 80 | HR5D-8 | R-15B | HPL5D-8 | PL-15A | 66¾ x 28 x 51¾ | 755 | 805 | 47.0 | 38.2 | 710 | 41.4 | 33.0 | 640 | 37.2 | 27.2 |
| 5 (2) | 120 | HR5D-12 | R-15B | HPL5D-12 | PL-15A | 70½ x 28 x 55¼ | 980 | 805 | 47.0 | 38.2 | 710 | 41.4 | 33.0 | 640 | 37.2 | 27.2 |
| 7½ (2) | 120 | HR7DF-12 | R-15B | HPL7DF-12 | PL-15A | 70½ x 28 x 55¼ | 1150 | 990 | 57.4 | 47.8 | 990 | 57.4 | 46.2 | 870 | 51.0 | 36.4 |
| 7½ (2) | 250 | HR7DF-25 | R-15B | HPL7DF-25 | PL-15A | 87½ x 32¾ x 50¼ | 1485 | 990 | 57.4 | 47.8 | 990 | 57.4 | 46.2 | 870 | 51.0 | 36.4 |
| 7½ (2) | 120 | HR7D-12 | R-30D | HPL7D-12 | PL-30A | 86½ x 28½ x 56½ | 1305 | 670 | 79.2 | 60.0 | 57.5 | 67.0 | 51.6 | 520 | 60.4 | 42.6 |
| 7½ (2) | 250 | HR7D-25 | R-30D | HPL7D-25 | PL-30A | 87½ x 32¾ x 61¾ | 1675 | 670 | 79.2 | 60.0 | 57.5 | 67.0 | 51.6 | 520 | 60.4 | 42.6 |
| 10 (2) | 250 | HR10D-25 | R-30D | HPL10D-25 | PL-30A | 87½ x 29 x 62 | 1725 | 810 | 94.6 | 74.6 | 740 | 86.2 | 69.6 | 640 | 74.2 | 55.0 |
| 10 (2) | 120 | HR10D-12 | R-30D | HPL10D-12 | PL-30A | 86½ x 29 x 57 | 1725 | 810 | 94.6 | 74.6 | 740 | 86.2 | 69.6 | 640 | 74.2 | 55.0 |
| 15 (2) | 120 | HR15DF-12 | R-30D | HPL15DF-12 | PL-30A | 91¾ x 26½ x 48¾ | 1860 | 1045 | 121.8 | 100.4 | 1045 | 127.0 | 98.0 | 900 | 105.0 | 85.2 |
| 15 (2) | 250 | HR15DF-25 | R-30D | HPL15DF-25 | PL-30A | 86½ x 29 x 57 | 1860 | 1045 | 121.8 | 100.4 | 1045 | 127.0 | 98.0 | 900 | 105.0 | 85.2 |
| 15 (2) | 250 | HRA15D-25 | R-40A | HPL15D-25 | PL-40A | 89 x 54¾ x 73½ | 2460 | 890 | 142.2 | 118.0 | 770 | 123.0 | 107.4 | 700 | 111.8 | 91.6 |
| 20 (2) | 250 | HRA20D-25 | R-70A | HPL20D-25 | PL-70A | 89 x 60½ x 75¼ | 2845 | 770 | 218.0 | 183.8 | 655 | 186.0 | 153.4 | 545 | 154.8 | 128.2 |
| 25 (2) | 250 | HRA25D-25 | R-70A | HPL25D-25 | PL-70A | 89 x 60½ x 75¼ | 2940 | 890 | 255.6 | 204.2 | 770 | 218.8 | 180.2 | 660 | 187.4 | 153.6 |
| 30 (2) | 250 | HRA30D-25 | R-70A | HPL30D-25 | PL-70A | 89 x 60½ x 75¼ | 3018 | 890 | 255.6 | 204.2 | 890 | 255.6 | 202.0 | 770 | 218.8 | 180.0 |

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

ENGINE DRIVEN

| Motor HP | Tank Cap Gal. | R-Series CAERSA | Pump Comp Model | PL-Series CBEPLA | Pump Comp Model | L x W x H Dimensions inches | Splash Approx. Ship Wt.lbs. | Pressure Approx. Ship Wt.lbs. | 175 PSI Rating** | | | 250 PSI Rating** | | |
|----------|---------------|-----------------|-----------------|------------------|-----------------|---|-----------------------------|-------------------------------|------------------|------------|-----------|------------------|------------|-----------|
| | | | | | | | | | RPM | CFM Displ. | CFM Del'y | RPM | CFM Displ. | CFM Del'y |
| 8 | 30 | HGR3-3B | R-15B | HGPL3-3B | PL-15A | 38 x 22 ³ / ₄ x 45 | 345 | 345 | 600 | 17.5 | 14.8 | NA | NA | NA |
| 11 | NA | BGR5H | R-15B | BGPL5H | PL-15A | 36 ¹ / ₂ x 21 x 28 ³ / ₄ | 279 | 320 | 895 | 26.1 | 20.7 | 650 | 18.9 | 13.6 |
| 11 | (2) 4 | HGR5-LPH | R-15B | HGPL5-LPH | PL-15A | 40 x 21 ³ / ₄ x 34 ³ / ₄ | 404 | 445 | 895 | 26.1 | 20.7 | 650 | 18.9 | 13.6 |
| 11 | 30 | HGR5-3H | R-15B | HGPL5-3H | PL-15A | 38 x 22 ³ / ₄ x 45 ¹ / ₂ | 409 | 450 | 895 | 26.1 | 20.7 | 650 | 18.9 | 13.6 |
| 11 | 60 | HGR5-6H | R-15B | HGPL5-6H | PL-15A | 52 x 23 x 49 | 475 | 514 | 895 | 26.1 | 20.7 | 650 | 18.9 | 13.6 |
| 11 | 80 | HGR5-8H | R-15B | HGPL5-8H | PL-15A | 66 ¹ / ₂ x 21 x 51 | 514 | 555 | 895 | 26.1 | 20.7 | 650 | 18.9 | 13.6 |
| 13 | 30 | HGR7-3BB | RP15B | NA | NA | 38 x 22 ³ / ₄ x 45 ¹ / ₂ | 460 | 500 | 1025 | 29.9 | 23.2 | 950 | 27.7 | 19.8 |
| 13 | 30 | HGR7-3KB | RP15B | NA | NA | 38 x 22 ³ / ₄ x 45 ¹ / ₂ | 410 | 460 | 1025 | 29.9 | 23.2 | 950 | 27.7 | 19.8 |
| 13 | NA | BGR7-K | R-15B | BGPL7-K | PL-15A | 40 x 21 x 29 ¹ / ₄ | 279 | 279 | 1025 | 29.9 | 23.2 | 950 | 27.7 | 19.8 |
| 13 | (2) 4 | BGR7-LPK | R-15B | BGPL7-LPK | PL-15A | 39 ⁷ / ₈ x 21 ⁹ / ₁₆ x 35 | 410 | 455 | 1025 | 29.9 | 23.2 | 950 | 27.7 | 19.8 |
| 13 | 30 | HGR7-3K | R-15B | HGPL7-3K | PL-15A | 38 x 22 ³ / ₄ x 45 ¹ / ₂ | 399 | 440 | 1025 | 29.9 | 23.2 | 950 | 27.7 | 19.8 |
| 13 | 60 | HGR7-6K | R-15B | HGPL7-6HK | PL-15A | 52 x 23 x 49 | 475 | 514 | 1025 | 29.9 | 23.2 | 950 | 27.7 | 19.8 |
| 13 | 80 | HGR7-8K | R-15B | HGPL7-8K | PL-15A | 66 ¹ / ₂ x 21 x 51 | 514 | 555 | 1025 | 29.9 | 23.2 | 950 | 27.7 | 19.8 |
| 20 | NA | BGR10-K | R-30D | BGPL10-K | PL-30A | 34 x 23 x 29 | 715 | 715 | 765 | 44.6 | 36.2 | 680 | 39.6 | 31.2 |
| 20 | 80 | HGR10-8K | R-30D | HGPL10-8K | PL-30A | 66 ¹ / ₂ x 21 x 49 ³ / ₄ | 715 | 715 | 765 | 44.6 | 36.2 | 680 | 39.6 | 31.2 |
| 23 | 5 | BGR-12K | R-30D | BGPL-12K | PL-30A | 46 x 28 x 35 ³ / ₄ | 645 | 645 | 940 | 55.0 | 44.2 | 810 | 47.2 | 38.4 |
| 35 | 5 | BGRA-15W | R-40A | BGPLA-15W | PL-40A | 63 x 41 x 49 | 1075 | 1075 | 910 | 72.8 | 59.0 | 800 | 64.0 | 51.5 |
| *9 | 30 | HDR5-3L | R-15B | HDPL5-3L | PL-15A | 38 x 32 x 46 | 500 | 500 | 870 | 25.3 | 20.1 | 650 | 18.9 | 13.6 |
| *9 | NA | BDR5-L | R-15B | BDPL5-L | PL-15A | 38 ³ / ₄ x 21 x 29 ³ / ₄ | 493 | 493 | 870 | 25.3 | 20.1 | 650 | 18.9 | 13.6 |
| *9 | 80 | HDR5-8L | R-15B | HDPL5-8L | PL-15A | 66 ¹ / ₂ x 22 x 49 | 518 | 518 | 870 | 25.3 | 20.1 | 650 | 18.9 | 13.6 |
| *10 | 30 | HDR5-3Y | R-15B | HDPL5-3Y | PL-15A | 38 x 32 x 46 | 500 | 500 | 870 | 25.3 | 20.1 | 650 | 18.9 | 13.6 |
| *10 | NA | BDR5-Y | R-15B | BDPL5-Y | PL-15A | 38 ³ / ₄ x 21 x 29 ³ / ₄ | 493 | 493 | 870 | 25.3 | 20.1 | 650 | 18.9 | 13.6 |
| *10 | 80 | HDR5-8Y | R-15B | HDPL5-8Y | PL-15A | 66 ¹ / ₂ x 22 x 49 | 518 | 518 | 870 | 25.3 | 20.1 | 650 | 18.9 | 13.6 |
| *27 | (2) 4 | BDRA-15L | R-40A | BDPL-15L | PL-40A | 52 x 29 x 42 | 813 | 813 | 910 | 72.8 | 59.0 | 800 | 64.0 | 51.5 |

NOTE: Pressure lubricated units are capable of 250 PSIG operation. 20 HP and larger packages do not come equipped with a fuel tank.

*Diesel Driven **Units tested in accordance with CAGI/PNEUROP Acceptance Test Code PN2CPTC3.

BARE PUMPS

| Motor HP | R-Series CAPRSA | PL-Series CBPPLA | Displ./Rev cubic feet | 125 PSI Rating | | 175 PSI Rating | | 250 PSI Rating | | Bore inches dia. | Stroke inches | Number cylinders | Oil Capacity quarts | Approx. Ship Weight |
|-------------------------------|-----------------|------------------|-----------------------|----------------|-----------|----------------|-----------|----------------|-----------|---|-------------------------------|------------------|-------------------------------|---------------------|
| | | | | RPM | CFM Del'y | RPM | CFM Del'y | RPM | CFM Del'y | | | | | |
| 1 ¹ / ₂ | R-10D | NA | .01942 | 575 | 6.0 | 542 | 5.3 | NA | NA | 45/8 & 2 ¹ / ₂ | 2 | 2 | 2 | 125 |
| 2 | R-10D | NA | .01942 | 765 | 8.3 | 725 | 7.5 | NA | NA | 45/8 & 2 ¹ / ₂ | 2 | 2 | 2 | 125 |
| 5 | RP15B | NA | .02916 | 805 | 19.1 | 710 | 16.5 | NA | NA | 45/8 & 2 ¹ / ₂ | 3 | 2 | 2 | 125 |
| 3 | R-15B | PL-15A | .02916 | 485 | 10.9 | 440 | 9.7 | 380 | 8.0 | 45/8 & 2 ¹ / ₂ | 3 | 2 | 2 | 125 |
| 5 | R-15B | PL-15A | .02916 | 805 | 19.1 | 710 | 16.5 | 640 | 13.6 | 45/8 & 2 ¹ / ₂ | 3 | 2 | 2 | 125 |
| 7 ¹ / ₂ | R-15B | PL-15A | .02916 | 990 | 23.9 | 990 | 23.1 | 870 | 18.2 | 45/8 & 2 ¹ / ₂ | 3 | 2 | 2 | 125 |
| 7 ¹ / ₂ | R-30D | PL-30A | .05828 | 670 | 30.0 | 575 | 25.8 | 520 | 21.3 | 45/8 & 2 ¹ / ₂ | 3 | 4 | 4 | 220 |
| 10 | R-30D | PL-30A | .05828 | 810 | 37.3 | 740 | 34.8 | 640 | 27.5 | 45/8 & 2 ¹ / ₂ | 3 | 4 | 4 | 220 |
| 15 | R-30D | PL-30A | .05828 | 1045 | 50.2 | 1045 | 49.0 | 900 | 42.6 | 45/8 & 2 ¹ / ₂ | 3 | 4 | 4 | 220 |
| 15 | R-40A | PL-40A | .0800 | 890 | 59.0 | 770 | 53.7 | 700 | 45.8 | 6 ¹ / ₄ & 3 ¹ / ₄ | 4 ¹ / ₂ | 2 | 4 | 440 |
| 20 | R-70A | PL-70A | .1420 | 770 | 91.9 | 655 | 76.7 | 545 | 64.1 | 6 ¹ / ₄ & 3 ¹ / ₄ | 4 | 4 | 6 ¹ / ₂ | 570 |
| 25 | R-70A | PL-70A | .1420 | 890 | 102.1 | 770 | 90.1 | 660 | 76.8 | 6 ¹ / ₄ & 3 ¹ / ₄ | 4 | 4 | 6 ¹ / ₂ | 570 |
| 30 | R-70A | PL-70A | .1420 | 890 | 102.1 | 890 | 101.0 | 770 | 90.0 | 6 ¹ / ₄ & 3 ¹ / ₄ | 4 | 4 | 6 ¹ / ₂ | 570 |

Warranty

Compressor Pump Warranty

Each new Gardner Denver Assembled Unit has a five (5) year warranty on the compressor pump only, against defects in materials or workmanship under normal use and service, from the date of installation or sixty-six (66) months from the date of shipment by Gardner Denver or a Gardner Denver distributor, whichever may occur first.

The five-year extended warranty covers parts and labor and is prorated over the five years as follows:

Year One — 100% coverage
Year Two — 90% coverage
Year Three — 80% coverage
Year Four — 70% coverage
Year Five — 60% coverage

Head valves are warranted for Year One only. Gardner Denver makes no warranty on components and/or accessories furnished to Gardner Denver by third parties, such as electric motors, gasoline engines and controls. These are warranted only to the extent of the original manufacturer's warranty to Gardner Denver. Electric motors must be equipped with thermal overload protection to have warranty consideration. The extended five-year warranty will apply to ASME air receivers if they are installed on rubber vibro isolator pads or approved equivalent.

5 Year Electric Motor

Any Gardner Denver package purchased after January 1, 2003 built with a Baldor electric motor are warranted for 60 months from start-up or 63 months from shipment. Other manufacturer's motors furnished due to customer request or special requirements carry the motor manufacturer's warranty.

All units are built to ISO 9001 standards.

Package Warranty

Gardner Denver warrants each new air compressor package to be free from defects in material and workmanship under normal use and service for a period of one year (12 months) from the date of installation or 15 months from the date of shipment by Gardner Denver. Units manufactured in Canada have a pump and package warranty for two (24 months) years.

Limited Warranty

Warranty shall not apply to any equipment which has been subjected to misuse, neglect or accident, nor shall it apply to any equipment that has been repaired or altered by any person(s) not authorized by Gardner Denver. Failure caused by lack of proper maintenance is not covered by warranty. In no event shall Gardner Denver be liable for consequential damages or contingent liabilities arising out of failure of any compressor or part to operate properly. When a compressor pump or component is changed or replaced during the warranty period, the new/replaced item(s) is warranted for only the remainder of the original warranty period. Complete warranty details are included in compressor operating manual.

U.L. Standards

Gardner Denver, in common with other major, industrial compressor manufacturers, does not market compressors which are U.L. listed. In general, U.L. is concerned with electrical components that may be utilized on compressor units, rather than a complete compressor package or system. All electrical components used on Gardner Denver compressors are U.L. listed. Each component – motor, starter, pressure switch, control panel – carries a U.L. identification mark on the nameplate or inside the electrical enclosure cover. The mark will be the letters "UR" reversed (as if held up to a mirror), indicating the item is "recognized" by U.L. On tankmounted units, the air receiver tank and tank pressure relief valve are ASME Code. The tank carries a National Board Registration number which appears on a stamped, metal plate welded to the tank.

Gardner Denver®

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