

CHAMPION

R-SERIES | 7.5-15 HP RECIPROCATING COMPRESSORS

Pump Model R-30D

Customized Solutions

Champion R-Series compressors provide the reliable, high quality compressed air that you've come to expect from Champion. R-Series compressors offer a wide selection of configurations and top-quality available options. With superior, professional-grade components and rugged standard features, R-Series compressors are guaranteed to provide the performance you demand.

Standard Features

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



BARE PUMP

| MODEL | DIMENSIONS L x W x H INCHES | APPROX. SHIP WEIGHT LBS. | BORE DIA. INCHES | STROKE INCHES | # OF CYLINDERS | OIL CAPACITY QTS. | MIN/MAX PUMP RPM |
|-------|-----------------------------------|--------------------------------|---------------------|------------------|-------------------|-------------------------|---------------------|
| R-30D | 22.4 x 26 x 23.6 | 220 | 4.625 x 2.5 | 3 | 4 | 4 | 400/1050 |

BASE MOUNTED UNITS

| MOTOR HP | R-SERIES CABRSA | DIMENSIONS L x W x H INCHES | APPROX. SHIP WEIGHT LBS. | 125 PSI RATING | | 175 PSI RATING | |
|-------------|--------------------|-----------------------------------|--------------------------------|----------------|-----------|----------------|-----------|
| | | | | RPM | CFM DEL'Y | RPM | CFM DEL'Y |
| 7.5 | BR7F | 43 x 23 x 29 | 430 | 670 | 30 | 575 | 25.8 |
| 10 | BR10 | 43 x 23 x 29 | 540 | 810 | 37.3 | 740 | 34.8 |
| 15 | BR15F | 43 x 23 x 29 | 550 | 1045 | 50.2 | 1045 | 49 |

SIMPLEX TANK MOUNTED UNITS

| MOTOR HP | TANK CAPACITY GAL. | HORIZONTAL TANK MOUNTED | | | VERTICAL TANK MOUNTED | | | 125 PSI RATING | | 175 PSI RATING | |
|-------------|--------------------------|-------------------------|-----------------------------------|--------------------------------|-----------------------|-----------------------------------|--------------------------------|----------------|--------------|----------------|--------------|
| | | R-SERIES CASRSA | DIMENSIONS L x W x H INCHES | APPROX. SHIP WEIGHT LBS. | R-SERIES CASRSA | DIMENSIONS L x W x H INCHES | APPROX. SHIP WEIGHT LBS. | RPM | CFM DEL'Y | RPM | CFM DEL'Y |
| 7.5 | 80 | HR7-8 | 67 x 26 x 50 | 665 | VR7-8 | 42.5 x 30 x 67 | 665 | 670 | 30 | 575 | 25.8 |
| 7.5 | 120 | HR7-12 | 71 x 26 x 53 | 860 | VR7-12 | 42.5 x 30 x 81 | 800 | 670 | 30 | 575 | 25.8 |
| 10 | 80 | HR10-8 | 67.3 x 26 x 49.5 | 675 | VR10-8 | 42.5 x 30 x 68.8 | 860 | 810 | 37.3 | 740 | 34.8 |
| 10 | 120 | HR10-12 | 71.4 x 26 x 52.8 | 890 | VR10-12 | 42.5 x 30 x 81 | 890 | 810 | 37.3 | 740 | 34.8 |
| 10 | 250 | HR10-25 | 88.5 x 31 x 60 | 1295 | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 15 | 80 | HR15F-8 | 67.3 x 26 x 49.5 | 675 | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 15 | 120 | HR15F-12 | 71.4 x 26 x 52.8 | 840 | VR15F-12 | 42.5 x 30 x 81 | 890 | 1035 | 50.2 | 1035 | 49 |
| 15 | 250 | HR15F-25 | 88.5 x 31 x 60 | 1275 | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

DUPLEX TANK MOUNTED UNITS

| MOTOR HP | TANK CAPACITY GAL. | R-SERIES CADRSA | DIMENSIONS L x W x H INCHES | APPROX. SHIP WEIGHT LBS. | 125 PSI RATING | | 175 PSI RATING | |
|-------------|--------------------------|--------------------|-----------------------------------|--------------------------------|----------------|-----------|----------------|-----------|
| | | | | | RPM | CFM DEL'Y | RPM | CFM DEL'Y |
| 7.5 (2) | 120 | HR7D-12 | 83 x 30 x 56 | 1305 | 670 | 60 | 575 | 51.6 |
| 7.5 (2) | 250 | HR7D-25 | 88 x 33.1 x 61.3 | 1675 | 670 | 60 | 575 | 51.6 |
| 10 (2) | 120 | HR10D-12 | 83 x 30 x 56 | 1725 | 810 | 74.6 | 740 | 69.6 |
| 10 (2) | 250 | HR10D-25 | 88 x 33.1 x 61.3 | 2325 | 810 | 74.6 | 740 | 69.6 |
| 15 (2) | 120 | HR15DF-12 | 83 x 30 x 56 | 1860 | 1045 | 100.4 | 1045 | 98 |
| 15 (2) | 250 | HR15DF-25 | 88 x 33.1 x 61.3 | 2460 | 1045 | 100.4 | 1045 | 98 |

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



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Product specifications and materials are subject to change without notice.

