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# 1300 – 1600 cfm

## Portable Air Compressors



The Ingersoll Rand 1300 to 1600 cfm class of compressors offers the optimal level of technology and reliability, combined with our 125-year legacy.



# The little things that make us big

The Cummins power plant is integrated through reliable hardware and software to our worldclass 285 mm bullet-proof airend. Ingersoll Rand integrates the appropriate level of technology to assure reliability and durability to allow the customer to spend time being productive, not dealing with downtime. The powerful package features an eco-friendly fluid containment frame with single-wall coolers that ensure high performance in demanding conditions. They are easy to clean and have a cool-box design to maximize component life. The running gear system is designed with features that provide secure mobility mile after mile. Ingersoll Rand portable compressors continue to do the big and little things right to set the standard by which others are measured.

| MODEL   | HP1300WCU             | HP1600WCU             |
|---|-----------------------|-----------------------|
| <b>COMPRESSOR — ROTARY SCREW / SINGLE-STAGE</b> |                       |                       |
| Free-air Delivery – cfm (m <sup>3</sup> /min)   | 1,300 (36.8)          | 1,600 (45.3)          |
| Rated Operating Pressure – psig (bar)           | 150 (10.3)            | 150 (10.3)            |
| Pressure Range – psig (bar)                     | 80 – 175 (5.5 – 12.1) | 80 – 175 (5.5 – 12.1) |
| Air Discharge Outlet Size – in (NPT)            | 3                     | 3                     |
| Air Discharge Outlet Quantity                   | 1 (2 with IQ)         | 1 (2 with IQ)         |
| <b>ENGINE — TIER 3 / STAGE III</b>              |                       |                       |
| Make  | Cummins               | Cummins               |
| Model   | QSX15                 | QSX15                 |
| Number Of Cylinders                             | 6                     | 6                     |
| Displacement – cu in (L)                        | 915 (15)              | 915 (15)              |
| Rated Speed – rpm                               | 1,800                 | 1,800                 |
| Idle Speed – rpm                                | 1,200                 | 1,200                 |
| bhp @ Rated Speed (kW)                          | 510 (381)             | 560 (418)             |
| Electrical, Batteries, CCA                      | 24 V, (2) 4D, 1,400   | 24 V, (2) 4D, 1,400   |
| Engine Oil Capacity – qt (L)                    | 48 (45.4)             | 88 (83)               |
| Radiator Coolant Capacity – gal (L)             | 16 (60.6)             | 16 (60.6)             |
| Altitude Capability – ft (m)                    | 8,000 (2438)          | 8,000 (2438)          |
| Fuel Tank Capacity – gal (L)                    | 230 (874)             | 230 (874)             |
| <b>DIMENSIONS W/ FAST TRACK RUNNING GEAR</b>    |                       |                       |
| Length – in (mm)                                | 290 (7366)            | 290 (7366)            |
| Width – in (mm)                                 | 90 (2286)             | 90 (2286)             |
| Height (includes exh pipe) – in (mm)            | 101 (2565)            | 101 (2565)            |
| Track Width – in (mm)                           | 71 (1803)             | 71 (1803)             |
| Tire Size                                       | ST215 / 75R17.5       | ST215 / 75R17.5       |
| Shipping Weight — No Fuel – lb (kg)             | 16,690 (7586)         | 16,690 (7586)         |
| Working Weight — With Fuel – lb (kg)            | 18,300 (8319)         | 18,300 (8319)         |
| <b>DIMENSIONS W/ WAGON WHEEL RUNNING GEAR</b>   |                       |                       |
| Length – in (mm)                                | 241 (6121)            | 241 (6121)            |
| Width – in (mm)                                 | 90 (2286)             | 90 (2286)             |
| Height (includes exh pipe) – in (mm)            | 87 (2210)             | 87 (2210)             |
| Shipping Weight — No Fuel – lb (kg)             | 16,700 (7575)         | 16,700 (7575)         |
| Working Weight — With Fuel – lb (kg)            | 18,390 (8342)         | 18,390 (8342)         |
| <b>DIMENSIONS W/O RUNNING GEAR</b>              |                       |                       |
| Length – in (mm)                                | 222.4 (5649)          | 222.4 (5649)          |
| Add 10" for service valve                       |                       |                       |
| Width – in (mm)                                 | 90 (2286)             | 90 (2286)             |
| Height (with shock mounts) – in (mm)            | 87 (2210)             | 87 (2210)             |
| Shipping Weight — No Fuel – lb (kg)             | 15,950 (7235)         | 15,950 (7235)         |
| Working Weight — With Fuel – lb (kg)            | 17,640 (8001)         | 17,640 (8001)         |

Product improvement is a continuing goal at Ingersoll Rand. Designs and specifications are subject to change without notice or obligation.

Ingersoll Rand air compressors are not designed, intended, or approved for breathing air. Compressed air should not be used for breathing air applications under any circumstances.

Nothing contained in this brochure is intended to extend any warranty or representation, expressed or implied, regarding the products described herein. Any such warranties or other terms and conditions of sale shall be in accordance with standard Ingersoll Rand terms and conditions of sale for such products, which are available upon request.



## PERFORMANCE FEATURES

- 110% fluid containment frame
- Microprocessor-controlled engine with optimal compressor performance and diagnostics
- 12-step sheet metal pre-treatment process plus e-poxy powder topcoat
- Easy maintenance of coolers, filters, and fluids
- Backlit gauges
- 500-hour engine oil / 1,000-hour airend oil service
- Heavy-duty A-frame detachable drawbar with adjustable pintle eye
- Construction-grade pedestal jack stand
- 1/2" safety chains with grade 70 hooks
- Fuel / water separator as primary filtration
- Large, powerful 1,400 CCA batteries
- Slam latch handles with padlock provisions
- Secured lifting eye with interior release pin
- Automatic safety shutdowns for high discharge air temperature, low engine oil pressure, high engine coolant temperature, and low fuel level
- 1-year / 2,000-hour package warranty
- 2-year / 4,000-hour warranty airend standard, extended to 5-year / 10,000-hour warranty with use of Ingersoll Rand parts and fluids

## AVAILABLE OPTIONS (FACTORY-INSTALLED)

- Aftercooler plus water separator with 20° F approach temperature
- Automatic engine / oil replenishment system
- Automatic start / stop controller with remote start
- Central drains for single-point fluid maintenance
- Cold start kit includes engine block, engine oil pan, and battery heaters
- Emergency stop
- Galvanneal sheet metal (air intake panels are standard)
- IQ System™ aftercooler plus particulate and coalescing filters with a patented condensate disposal system for cleaner, drier air
- Less running gear includes isolation mounts for truck, trailer, or permanent pad installation
- Low ambient system included with aftercooler blowdown, airflow control, and orifice heaters for any temperature operation
- SHC low temperature compressor oil



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