

# 375 CFM to 425 CFM Portable Air Compressors

**IR** Ingersoll-Rand®



## High Performance Air Compressors

These 125 hp, Tier 2 certified, diesel-powered Ingersoll-Rand air compressors were engineered specifically with the end-user in mind. The simple-to-service Cummins engine combined with our toughest airends provide maximum efficiency in a wide range of temperatures and altitudes. Large, full-length, heavy-gauge sheet metal doors provide unparalleled access to the clean layout of all internal systems.

Our cool-box design provides longer internal component life while superior corrosion resistance is achieved through a galvanneal front panel and three-step sheet metal paint process which includes a zinc phosphate bath, e-coated epoxy primer, and urethane polyester powder topcoat.

These compressors are constructed from the finest materials and built to the most demanding specifications. So whether you are painting, sandblasting, or laying utility lines, you can rest assured when you are working with a high performance Ingersoll-Rand portable air compressor, the standard in quality.

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## Specifications

### KEY FEATURES / BENEFITS

- Automatic shutdown protection with indicator lights for high discharge air temperature, low engine oil pressure, high engine coolant temperature, and low fuel level
- Durable polyethylene fenders will not break or bend
- Electric brakes with towing lights, side markers, and reflectors for additional safety during transportation
- External, single-point lifting bail for easy hoisting
- Full-length lockable side doors with pneumatic lift springs provide easy opening and access to service points and extra large toolbox
- Heavy-duty "A" frame drawbar with adjustable-height pintle eye, 15" tires, and zinc-plated, steel safety chains provide easy hook-up to vehicle and stability while towing
- High-speed single axle running gear with E-Z lube axle and rugged leaf springs provide a smooth ride while protecting internal components
- Mechanical air filter maintenance indicators notify users when filters need servicing
- Rear panels provide quick access to heat exchangers for cleaning
- Standard rear bumper and heavy-duty screw jack protect the enclosure and simplify vehicle hook-up
- Transparent, plastic fuel tank will not corrode or sag

### AVAILABLE OPTIONS (FACTORY-INSTALLED)

- 4-in-1 combo gauge for engine temperature, volt meter, engine oil pressure, and discharge air temperature
- 100' single or 100' double hose reels with or without hose, or OSHA valves
- Adjustable-height 2" ball hitch
- Aftercooler with water separator (not available on P425WCU)
- Battery heater
- Diagnostic panel
- Dual pressure regulation (not available on P425WCU)
- Engine block heater
- Entire enclosure constructed of galvanized sheet metal for improved corrosion protection
- Extended length drawbar
- Full gauge panel
- Less running gear with central drains
- Key lock doors
- Keyed ignition
- Parking brake
- Pneumatic third wheel attached to drawbar in addition to standard screw jack with padfoot
- Pivoting lifting bail for greater security
- Tachometer
- Three 3/4" NPT discharge valves in addition to standard 1-1/4" valve

MODEL	XP375WCU	HP375WCU	P425WCU
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### COMPRESSOR — ROTARY SCREW / SINGLE-STAGE

Free-air Delivery – cfm (m <sup>3</sup> /min)	375 (10.6)	375 (10.6)	425 (12)
Rated Operating Pressure – psig (bar)	125 (8.6)	150 (10.3)	100 (6.9)
Pressure Range – psig (bar)	80 – 150 (5.5 – 10.3)	80 – 175 (5.5 – 12.1)	80 – 125 (5.5 – 8.6)
Air Discharge Outlet Size NPT – in (mm)	1.25 (31.8)	1.25 (31.8)	1.25 (31.8)
Air Discharge Outlet Quantity	1	1	1

### ENGINE — TIER 2

Make	Cummins	Cummins	Cummins
Model	4B3.9TAA	4B3.9TAA	4B3.9TAA
Number Of Cylinders	4	4	4
Displacement – cu in (L)	283 (4.6)	283 (4.6)	283 (4.6)
Rated Speed – rpm	2,200	2,200	2,200
Idle Speed – rpm	1,500	1,500	1,500
BHP @ Rated Speed	125	125	125
Electrical	12 V	12 V	12 V
Engine Oil Capacity – gal (L)	2.5 (9.5)	2.5 (9.5)	2.5 (9.5)
Radiator Coolant Capacity – gal (L)	4.5 (17)	4.5 (17)	4.5 (17)
Fuel Tank Capacity – gal (L)	60 (227.1)	60 (227.1)	60 (227.1)

### DIMENSIONS W/ RUNNING GEAR

Overall Length – in (mm)	158.5 (4026)	158.5 (4026)	158.5 (4026)
Overall Width – in (mm)	78.1 (1985)	78.1 (1985)	78.1 (1985)
Overall Height – in (mm); Add 5" (127 mm) for Lift Bail	68 (1726)	68 (1726)	68 (1726)
Track Width – in (mm)	66.2 (1681)	66.2 (1681)	66.2 (1681)
Shipping Weight — No Fuel – lb (kg)	3,959 (1795)	3,959 (1795)	3,959 (1795)
Working Weight — w/ Fuel – lb (kg)	4,361 (1978)	4,361 (1978)	4,361 (1978)

### DIMENSIONS W/O RUNNING GEAR

Overall Length – in (mm); Add 6" – 8" (152 – 203 mm) for Service Valve	104 (2642)	104 (2642)	104 (2642)
Overall Width – in (mm)	60 (1524)	60 (1524)	60 (1524)
Overall Height – in (mm); Add 5" (127 mm) for Lift Bail	56.8 (1443)	56.8 (1443)	56.8 (1443)
Shipping Weight — No Fuel – lb (kg)	3,647 (1654) est	3,647 (1654) est	3,647 (1654) est
Working Weight — w/ Fuel – lb (kg)	4,049 (1836) est	4,049 (1836) est	4,049 (1836) est

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.

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Form 08-0005A  
Printed in USA 11-05