

400 CFM to 600 CFM Portable Air Compressors

IR Ingersoll-Rand



Heavy-Duty Reliability and Productivity

Rely on improved corrosion resistance with galvanized sheet metal on the front panel and a new paint process with a zinc phosphate base. Ingersoll-Rand portable air compressors deliver heavy-duty dependability and automatic safety features, plus a unique cool-box design that helps prolong component life.

Platinum Warranty

The Platinum Series Warranty is a premium warranty available only on units powered by an Ingersoll-Rand engine. This warranty is available when original Ingersoll-Rand fluids, filters, and parts are used at the prescribed intervals.

- 5-year / 10,000-hour extended warranty on the powertrain, which includes the engine, the coupling, and the airend. These units are identified with the Platinum Series logo.
- 2-year / 4,000-hour warranty on the starter, alternator, and fuel system.
- Fully transferable warranty to the next owner.
- Single source for all warranty parts and service.
- Fuel / water separator comes as a standard feature in the Platinum Series.



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Specifications

KEY FEATURES / BENEFITS

- Electric brakes with towing lights, side markers, and reflectors for additional safety during transporting
- Heavy-duty screw jack
- External, single-point lifting bail for easy hoisting
- Heavy-duty "A" frame drawbar with adjustable-height pintle eye and safety chains provide easy hook-up to vehicle and stability while towing
- Full-length lockable side doors with pneumatic lift springs provide easy opening and excellent access for serviceability
- Automatic shutdown protection with indicator lights
 - High discharge air temperature
 - Low engine oil pressure
 - High engine coolant temperature
 - Low fuel level

AVAILABLE OPTIONS (FACTORY INSTALLED)

- 6 kW on-board generator with three 120 V, 20 amp, 1 phase, 60 Hz GFI duplex receptacles
- Single or double hose reels with or without hose or OSHA valves
- Adjustable-height pintle eye or ball hitch attachment, 19" – 33" in 2" increments
- Keyed ignition
- Less running gear with central drains
- Tachometer
- 4-in-1 combo gauge
 - Engine temperature
 - Volt meter
 - Engine oil pressure
 - Discharge air temperature
- Air filter service indicator warning as a light on the panel
- Parking brake
- Dual pressure regulation (not available on P600 model)
- Pneumatic third wheel attached to drawbar in addition to the standard screw jack with padfoot
- Entire enclosure constructed of galvanized sheet metal for improved corrosion protection
- Pivoting lifting bail for greater security
- (3) 3/4" NPT discharge valves

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MODEL	VHP400WIR	HP450WIR	P600WIR
ENGINE — TIER 2			
Make	Ingersoll-Rand	Ingersoll-Rand	Ingersoll-Rand
Model	6IRF8TE	6IRF8TE	6IRF8TE
Number of Cylinders	6	6	6
Displacement cu in (L)	414 (6.8)	414 (6.8)	414 (6.8)
Rated Speed rpm	2,400	2,400	2,400
Idle Speed rpm	1,500	1,500	1,500
BHP @ Rated Speed	170	170	170
Electrical	24 V	24 V	24 V
COMPRESSOR — ROTARY SCREW / SINGLE STAGE			
Free-Air Delivery cfm (m ³ /min)	400 (11.3)	450 (12.7)	600 (17.0)
Rated Operating Pressure psig (bar)	200 (13.8)	150 (10.3)	100 (6.9)
Pressure Range psig (bar)	80 – 225 (5.5 – 15.5)	80 – 175 (5.5 – 12.1)	80 – 125 (5.5 – 8.6)
Air Discharge Outlet (qty x size)	1 x 2	1 x 2	1 x 2
Fuel Tank Capacity gal (L)	73 (276)	73 (276)	73 (276)
DIMENSIONS WITH RUNNING GEAR			
Overall Length in (mm)	180 (4573)	180 (4573)	180 (4573)
Overall Width in (mm)	78.1 (1984)	78.1 (1984)	78.1 (1984)
Overall Height in (mm); Add 4.5" (114 mm) Lift Bail	76 (1930)	76 (1930)	76 (1930)
Track Width in (mm)	66.2 (1681)	66.2 (1681)	66.2 (1681)
Shipping Weight — No Fuel lb (kg)	5,133 (2328)	5,133 (2328)	5,133 (2328)
Working Weight — With Fuel lb (kg)	5,644 (2560)	5,644 (2560)	5,644 (2560)
DIMENSIONS WITHOUT RUNNING GEAR			
Overall Length in (mm)	126 (3200)	126 (3200)	126 (3200)
Overall Width in (mm)	61 (1549)	61 (1549)	61 (1549)
Overall Height in (mm); Add 4.5" (114 mm) Lift Bail	56.9 (1443)	56.9 (1443)	56.9 (1443)
Shipping Weight — No Fuel lb (kg)	4,565 (2070)	4,565 (2070)	4,565 (2070)
Working Weight — With Fuel lb (kg)	5,000 (2268)	5,000 (2268)	5,000 (2268)

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



ON-BOARD AFTERCOOLERS AND COALESCING FILTERS

The Instrument Quality Air System option for the 400 – 450 cfm (11.3 – 12.7 m³/min) includes an internal aftercooler that provides an approach temperature of 20° F, as well as a water separator and dual particulate coalescing filters for cleaner, drier air. This system eliminates condensate waste and is available on the VHP400WIR and HP450WIR.



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