

# 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.



# 400 CFM to 600 CFM Portable Air Compressors

## 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

MODEL	VHP400WIR	HP450WIR	P600WIR
<b>ENGINE — TIER 2</b>			
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
<b>COMPRESSOR — ROTARY SCREW / SINGLE STAGE</b>			
Free-Air Delivery cfm (m <sup>3</sup> /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)
<b>DIMENSIONS WITH RUNNING GEAR</b>			
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)
<b>DIMENSIONS WITHOUT RUNNING GEAR</b>			
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 m<sup>3</sup>/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.

