



# 400 – 600 cfm

Portable Air Compressors



# Heavy-duty reliability and productivity

Rely on improved corrosion resistance with galvanneal sheet metal on the front panel and a three-step paint process over the entire enclosure. Ingersoll Rand portable air compressors deliver heavy-duty dependability and automatic safety features, plus a unique cool-box design that helps prolong component life.

MODEL	VHP400WIR	HP450WIR	P600WIR
<b>COMPRESSOR — ROTARY SCREW / SINGLE-STAGE</b>			
Free Air Delivery – cfm (m <sup>3</sup> /min)	400 (11.3)	450 (12.7)	600 (17)
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>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 – volts	24	24	24
<b>DIMENSIONS WITH RUNNING GEAR</b>			
Length – in (mm)	170" (4318)	170" (4318)	170" (4318)
Width – in (mm)	78.1" (1984)	78.1" (1984)	78.1" (1984)
Height – in (mm); Add 4.5" (114 mm) for 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)
Tire Size	ST235/80R16	ST235/80R16	ST235/80R16
<b>DIMENSIONS WITHOUT RUNNING GEAR</b>			
Length – in (mm)	117" (2972)	117" (2972)	117" (2972)
Width – in (mm)	61" (1549)	61" (1549)	61" (1549)
Height – in (mm); Add 4.5" (114 mm) for lift bail	56.9" (1445)	56.9" (1445)	56.9" (1445)
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)
Engine Oil Capacity – gal (L)	5.5 (20.8)	5.5 (20.8)	5.5 (20.8)
Radiator Coolant Capacity – gal (L)	7.5 (28.4)	7.5 (28.4)	7.5 (28.4)

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.

## WARRANTY

These compressors are covered by 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 Ingersoll Rand engine logo
- Fully transferable to the next owner
- Single source for all warranty parts and service

## ONBOARD 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.



## PERFORMANCE FEATURES

- Electric brakes with towing lights, side markers, and reflectors for additional safety during transport
- Heavy-duty screw jack
- External, single-point lifting bail for easy hoisting
- Heavy-duty A-frame drawbar with adjustable 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 onboard generator with three 120-volt, 20-amp, 1-phase, 60-Hz GFI duplex receptacles
- Single or double hose reels with or without hose or OSHA valves
- Adjustable 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 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 galvanneal sheet metal for improved corrosion protection
- Pivoting lifting bail for greater security
- Three 3/4" NPT discharge valves



(877) IR BRAND • ingersollrand.com