

IR Ingersoll-Rand®

HP600-XP825 Portable Compressors



PORTABLE POWER
Powerful. Dependable. Global.



New 5 Years/10,000 Hours Optional Airend Warranty!

- Optional warranty program for all size Ingersoll-Rand airends
 - Optional 5 years/10,000 hours airend warranty when serviced with genuine Ingersoll-Rand parts plus PRO•TEC™ compressor fluid
- PRO•TEC™ Advantages
 - Specially formulated to maximize airend performance
 - Overall protection for the airend bearings and component parts
 - Extends equipment service life
 - Superior lubricating film strength
 - Excellent low-temperature performance
 - Reduced foaming & fluid loss in severe service conditions
 - Excellent lubrication under normal and severe operating conditions
 - Designed especially for Ingersoll-Rand Portable Compressor Division
 - New compressor units are factory filled with PRO•TEC™ compressor fluid to provide immediate protection

Standard Benefits

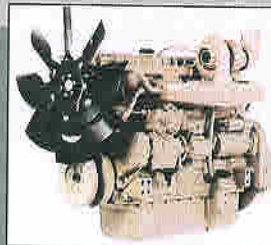
- High speed running gear for highway towing
- Coolbox design allows inside temperature to remain no more than 20°F above outside air temperature, which prolongs component life and eliminates long, cool down periods

- Large capacity fuel tank provides at least 8 hours operation under full load
- Automatic shut down protection
- Easy-to-maintain, side-by-side coolers ensure optimum performance in demanding conditions

Two Engine Types

Cummins

- Excellent reputation in severe applications
- Continuous duty rated
- 250 to 275 HP



John Deere

- Continuous duty rated
- Replaceable wet sleeve liners
- Valve seats are induction hardened and replaceable

Modular Control Features

- Diagnostic panel includes:

Compressor Conditions	Indicator Light	Shutdown
High air discharge temp.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
High engine temperature	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Low engine oil pressure	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Low fuel level	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Alternator not charging	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Low radiator coolant level	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Air filter restricted	<input checked="" type="checkbox"/>	<input type="checkbox"/>



Controls and Diagnostics

- Hinged control panel for easy serviceability

Gauges and Indicators include:

- Discharge air pressure
- Engine temperature
- Discharge air temperature
- Engine oil pressure
- Hourmeter
- Voltmeter
- Tachometer
- Fuel Level

Drawbar & Running Gear

- Hydraulic surge brakes
- Parking brake
- Shipping tie downs
- Safety chains with safety hooks
- Adjustable pintle eye

Easy Access

- Large, lockable access doors provide easy access to all components
- Conveniently located large air filters
- External fluid drains

Specifications*

MODEL	HP600WCU	XP750WCU	HP750WCU	HP750WJD	XP825WCU	XP825WJD
Engine						
Make	CUMMINS	CUMMINS	CUMMINS	JOHN DEERE	CUMMINS	JOHN DEERE
Model	6CTA8.3	6CTA8.3	6CTA8.3	6081A	6CTA8.3	6081A
(Cylinders) bore x stroke (in)	(6) 4.49 x 5.31	(6) 4.49 x 5.31	(6) 4.49 x 5.31	(6) 4.56 x 5.06	(6) 4.49 x 5.31	(6) 4.56 x 5.06
(Cylinders) bore x stroke (mm)	(6) 114 x 135	(6) 114 x 135	(6) 114 x 135	(6) 116 x 129	(6) 114 x 135	(6) 116 x 129
Displacement (cu in/L)	504 / 8.3	504 / 8.3	504 / 8.3	496 / 8.1	504 / 8.3	496 / 8.1
Speed: rated (rpm)	2100	2100	2000	2000	2000	2000
idle (rpm)	1400	1400	1400	1400	1400	1400
Bhp at rated speed	250	250	275	240	275	240
Fuel/Cooling	Diesel / Water	Diesel / Water	Diesel / Water	Diesel / Water	Diesel / Water	Diesel / Water
Electrical System (volts)	24	24	24	24	24	24
Compressor - Rotary Screw Type						
Oil flooded, single stage	Yes	Yes	Yes	Yes	Yes	Yes
Free-air delivery (cfm)	600	750	750	750	825	825
(M ³ /min)	16.99	21.24	21.24	21.24	23.36	23.36
Rated operating pressure (psig/bar)	150 / 10.3	125 / 8.6	150 / 10.3	150 / 10.3	125 / 8.6	125 / 8.6
Pressure range (psig)	80 - 175	80 - 150	80 - 175	80 - 175	80 - 150	80 - 150
(bar)	5.5 - 12.1	5.5 - 10.3	5.5 - 12.1	5.5 - 12.1	5.5 - 10.3	5.5 - 10.3
Air discharge outlets (Qty)/size in.	(1) 2	(1) 2	(1) 2	(1) 2	(1) 2	(1) 2
Fuel tank capacity (gal/L)	100 / 377	100 / 377	100 / 377	100 / 377	100 / 377	100 / 377
Unit with Running Gear						
Overall length (in/mm)	191 / 4851	191 / 4851	191 / 4851	191 / 4851	191 / 4851	191 / 4851
Overall width (in/mm)	85.2 / 2164	85.2 / 2164	85.2 / 2164	85.2 / 2164	85.2 / 2164	85.2 / 2164
Overall height (in/mm)	89 / 2250	89 / 2250	89 / 2250	89 / 2250	89 / 2250	89 / 2250
Track width (in/mm)	75.3 / 1913	75.3 / 1913	75.3 / 1913	75.3 / 1913	75.3 / 1913	75.3 / 1913
Shipping weight** (lb)	6875	6875	6890	7190	6890	7190
(kg)	3118	3118	3125	3261	3125	3261
Unit Less Running Gear						
Overall length (in/mm)	134 / 3404	134 / 3404	134 / 3404	134 / 3404	134 / 3404	134 / 3404
Overall width (in/mm)	64 / 1626	64 / 1626	64 / 1626	64 / 1626	64 / 1626	64 / 1626
Overall height (in/mm)	75 / 1905	75 / 1905	75 / 1905	75 / 1905	75 / 1905	75 / 1905
Shipping weight** (lb)	6100	6100	6115	6415	6115	6415
(kg)	2766	2766	2773	2909	2773	2909
Options: Electric brakes, keyed ignition, cold weather starting kit, less running gear (LRG), and central drains						

* Specifications are subject to change without notice so that improvements can be effected as quickly as possible.

** Shipping weight includes all fluids except fuel.



Ingersoll-Rand air compressors are not designed, intended or approved for breathing air. Compressed air should not be used for breathing air applications unless treated in accordance with all applicable codes and regulations.

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 Ingersoll-Rand's standard terms and conditions of sale for such products which are available upon request.

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



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