

675 CFM to 825 CFM Portable Air Compressors



Performance for the Long Haul

With easily maintained coolers that ensure high performance in demanding conditions, tandem-axle running gear for highway towing, and a cool-box design that prolongs component life while eliminating long cool-down periods, Ingersoll-Rand portable compressors are built for long-term durability and productivity. The heavy-duty 'A' frame detachable drawbar includes an adjustable-height pintle eye and safety chains with hooks to provide easy vehicle hook-up and more stability while towing. These models feature a standard fuel / water separator and electrical brakes with a mechanical parking brake. Plus, galvanneal sheet metal in high-corrosion areas adds to the lasting durability and increases resale value.

On-Board Aftercoolers and Coalescing Filters

An optional internal aftercooler with water separator is available for the 675 – 825 cfm (19.1 – 23.4 m³/min) models. These aftercoolers offer an approach temperature of 20° F, and they are available with optional particulate and coalescing filters and a patented condensate disposal system for cleaner, drier air. The IQ System™ is available on HP675WCU, XP750WCU, HP750WCU and XP825WCU.



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Specifications

MODEL	HP675WCU	XP750WCU	HP750WCU	XP825WCU
ENGINE — TIER 2				
Make	Cummins	Cummins	Cummins	Cummins
Model (non-electronic engine)	6CTAA 8.3	6CTAA 8.3	6CTAA 8.3	6CTAA 8.3
Number of Cylinders	6	6	6	6
Displacement cu in (L)	506 (8.3)	506 (8.3)	506 (8.3)	506 (8.3)
Rated Speed rpm	2,000	2,000	2,000	2,000
Idle Speed rpm	1,500	1,500	1,500	1,500
BHP @ Rated Speed (kW)	257 (192)	257 (192)	275 (205)	275 (205)
Electrical, Batteries, CCA	24 V, (2) 4D, 1150	24 V, (2) 4D, 1150	24 V, (2) 4D, 1150	24 V, (2) 4D, 1150
Engine Oil Capacity qt (L)	33.5 (31.7)	33.5 (31.7)	33.5 (31.7)	33.5 (31.7)
Radiator Coolant Capacity gal (L)	9.0 (34.1)	9.0 (34.1)	9.0 (34.1)	9.0 (34.1)
Altitude Capability ft (m)	10,000 (3048)	10,000 (3048)	10,000 (3048)	10,000 (3048)
Fuel Tank Capacity gal (L)	122 (462)	122 (462)	122 (462)	122 (462)
COMPRESSOR – ROTARY SCREW / SINGLE STAGE				
Free-Air Delivery cfm (m ³ /min)	675 (19.1)	750 (21.2)	750 (21.2)	825 (23.4)
Rated Operating Pressure psig (bar)	150 (10.3)	125 (8.6)	150 (10.3)	125 (8.6)
Pressure Range psig (bar)	80 – 175 (5.5 – 12.1)	80 – 150 (5.5 – 10.3)	80 – 175 (5.5 – 12.1)	80 – 150 (5.5 – 10.3)
Air Discharge Outlet Size in (NPT)	2	2	2	2
Air Discharge Outlet Quantity	1	1	1	1
DIMENSIONS WITH FAST TRACK RUNNING GEAR				
Overall Length in (mm)	195.1 (4956)	195.1 (4956)	195.1 (4956)	195.1 (4956)
Overall Width in (mm)	87 (2210)	87 (2210)	87 (2210)	87 (2210)
Overall Height in (mm) (includes exh pipe)	85.4 (2169)	85.4 (2169)	85.4 (2169)	85.4 (2169)
Track Width in (mm)	76.8 (1951)	76.8 (1951)	76.8 (1951)	76.8 (1951)
Tire Size	ST225 / 75D15; 8-ply rated	ST225 / 75D15; 8-ply rated	ST225 / 75D15; 8-ply rated	ST225 / 75D15; 8-ply rated
Shipping Weight — No Fuel lb (kg)	7,950 (3600)	7,950 (3600)	7,950 (3600)	7,950 (3600)
Working Weight — With Fuel lb (kg)	8,800 (4000)	8,800 (4000)	8,800 (4000)	8,800 (4000)
DIMENSIONS WITHOUT RUNNING GEAR				
Overall Length in (mm); Add 10" for Serv Valve	134 (3401)	134 (3401)	134 (3401)	134 (3401)
Overall Width in (mm)	87 (2210)	87 (2210)	87 (2210)	87 (2210)
Overall Height in (mm)	77 (1956)	77 (1956)	77 (1956)	77 (1956)
Shipping Weight — No Fuel (estimated) lb (kg)	7,200 (3260)	7,200 (3260)	7,200 (3260)	7,200 (3260)
Working Weight — With Fuel (estimated) lb (kg)	8,050 (3650)	8,050 (3650)	8,050 (3650)	8,050 (3650)

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

WARRANTY

One-year / 2,000-hour warranty on all components, except engines, tires, and batteries, which carry the manufacturer's warranty.

AIREND

Two-year / 4,000-hour warranty on airend, extended to 5-year / 10,000-hour warranty when original Ingersoll-Rand filters, fluids, and parts are used at the prescribed intervals.