



675 – 1600 cfm Portable Air Compressors

The tradition of rugged reliability continues

Ingersoll Rand branded 675 – 1600 cfm compressors from Doosan Portable Power continue to be in a class of their own. They have easy-to-maintain, single-wall coolers that ensure high performance in demanding conditions, heavy-duty tandem-axle running gear for highway towing with an exclusive extended-life slipper spring system and a cool-box design that prolongs component life while eliminating long cool-down periods. Our portable compressors are built for long-term use and maximum productivity. Our compressors have the lowest total cost of ownership when compared to other units on the market with a worldwide service and support network that is there with you during every stage of the compressor's life cycle.

675 – 825 cfm

Performance features

- 3/8" safety chains with grade 43 hooks
- 1-year/2,000-hour package warranty
- 2-year/4,000-hour warranty airtrend standard, extended to 5-year/10,000-hour warranty when genuine filters, fluids and parts from an authorized Doosan Portable Power dealer are used at the prescribed maintenance intervals
- 500-hour engine oil service/1,000-hour airtrend oil service
- Automatic safety shutdowns for high discharge air temperature, low engine oil pressure, high engine coolant temperature and low fuel level
- Backlit gauges
- Easy maintenance of coolers, filters and fluids
- Fuel/water separator as primary filtration
- Heavy-duty 14-gauge fenders
- Heavy-duty A-frame detachable drawbar with adjustable-height pintle eye
- Large, powerful 1,150 CCA batteries
- Microprocessor-controlled engine with optimal compressor performance
- Secured lifting eye with interior release pin
- Slam latch handles with padlock provisions
- Standard engine auxiliary drive provision

Available options (factory installed)

- Aftercooler plus water separator with 20 degree F approach temperature
- Central drains for single-point fluid maintenance
- Cold start kit includes engine block heaters, engine oil pan, batteries
- Dual pressure regulation: HP units available with 100/150 psi; XP units available with 100/125 psi
- Full galvanized sheet metal
- Hydraulic surge brakes with three-position hitch (subject to local DOT regulations)
- IQ System® aftercooler plus particulate and coalescing filters with patented condensate disposal system for cleaner, drier air
- Less running gear includes isolation mounts for truck, trailer or permanent pad installation
- Multiple air outlets: (1) 2" and (3) 1-1/4" valves

750 – 1000 cfm

Performance features

- Compact size for superior maneuverability
- Galvanized sheet metal enclosure for ultimate corrosion protection
- High-speed running gear is standard
- Large fuel tank lasts more than nine hours at 100% load
- Microprocessor-controlled engine panel increases efficiency; backlit gauges include engine temperature, hour meter, volt meter, discharge air temperature, engine oil pressure, tachometer and fuel level
- Rear steps allow easier access to radiator for refilling engine coolant

Available options (factory installed)

- Aftercooler with water separator with 20 degree F approach temperature
- Central drains for single-point fluid maintenance
- Cold-start kit includes engine block heaters, engine oil pan, batteries
- Dual pressure regulation
- Hydraulic surge breaks
- IQ System® aftercooler plus particulate and coalescing filters with patented disposal system for cleaner, drier air
- Wagon or less running gear options

1300 – 1600 cfm

Performance features

- 110% fluid containment frame
- Microprocessor-controlled engine with optimal compressor performance and diagnostics
- 12-step sheet metal pre-treatment process plus epoxy powder topcoat
- Easy maintenance of coolers, filters and fluids
- Backlit gauges
- 500-hour engine oil/1,000-hour airtrend oil service
- Heavy-duty A-frame detachable drawbar with adjustable pintle eye
- Construction-grade pedestal jack stand
- 1/2" safety chains with grade 70 hooks
- Fuel/water separator as primary filtration
- Large, powerful 1,400 CCA batteries
- Slam latch handles with padlock provisions
- Secured lifting eye with interior release pin
- Automatic safety shutdowns for high discharge air temperature, low engine oil pressure, high engine coolant temperature and low fuel level
- 1-year/2,000-hour package warranty
- 2-year/4,000-hour warranty airtrend standard, extended to 5-year/10,000-hour warranty when genuine filters, fluids and parts from an authorized Doosan Portable Power dealer are used at the prescribed maintenance intervals

Available options (factory installed)

- Aftercooler plus water separator with 20 degree F approach temperature
- Automatic engine/oil replenishment system
- Automatic start/stop controller with remote start
- Central drains for single-point fluid maintenance
- Cold start kit includes engine block, engine oil pan and battery heaters
- Emergency stop
- Galvanized sheet metal (air intake panels are standard)
- IQ System® aftercooler plus particulate and coalescing filters with a patented condensate disposal system for cleaner, drier air
- Less running gear includes isolation mounts for truck, trailer or permanent pad installation
- Low ambient system included with aftercooler blowdown, airflow control and orifice heaters for any temperature operation
- SHC low temperature compressor oil

	MODEL	HP675WCU	VHP750WCAT	XP750WCU	HP750WCU	MHP825WCU
Compressor	Free-Air Delivery – cfm (m ³ /min)	675 (19.1)	750 (21.2)	750 (21.2)	750 (21.2)	825 (23.4)
	Rated Operating Pressure – psi (bar)	150 (10.3)	200 (13.8)	125 (8.6)	150 (10.3)	175 (12.1)
	Pressure Range – psi (bar)	80 – 175 (5.5 – 12.1)	80 – 225 (5.5 – 15.5)	80 – 150 (5.5 – 10.3)	80 – 175 (5.5 – 12.1)	80 – 200 (5.5 – 13.8)
	Air Discharge Outlet NPT Size – in (mm)	2 (50.8)	2 (50.8)	2 (50.8)	2 (50.8)	2 (50.8)
	Air Discharge Outlet Quantity	1	1	1	1	1
Compressor Oil Capacity – gal (L)	17 (64)	18.5 (70)	17 (64)	17 (64)	18.5 (70)	
Engine	Make/Model	Cummins/QSC 8.3	Caterpillar/C9	Cummins/QSC 8.3	Cummins/QSC 8.3	Cummins/QSL-9
	Emissions Tier Level	Tier 3	Tier 3	Tier 3	Tier 3	Tier 3
	# of Cylinders	6	6	6	6	6
	Displacement – cu in (L)	506 (8.3)	535 (8.8)	506 (8.3)	506 (8.3)	543 (8.9)
	Rated Speed – rpm	2000	1800	2000	2000	1800
	Idle Speed – rpm	1200	1350	1200	1200	1200
	Bhp @ Rated Speed (kW)	260 (194)	300 (223.7)	260 (194)	280 (209)	300 (223.7)
	Electrical – volts/battery qty	24/(2) 4D, 1000 CCA	24/(2) 1000 CCA	24/(2) 4D, 1000 CCA	24/(2) 4D, 1000 CCA	24/(2) 1000 CCA
	Engine Oil Capacity – qt (L)	20 (19)	34 (32.1)	20 (19)	20 (19)	24 (22.7)
	Radiator Coolant Capacity – gal (L)	7.5 (28)	12.7 (48)	7.5 (28)	7.5 (28)	12.7 (48)
	Altitude Capability – ft (m)	7000 (2134)	10000 (3048) est.	7000 (2134)	7000 (2134)	6000 (1829)
	Fuel – gph (L/h)					Idle = 7.6 (28.8)
	75% Load	10.4 (39)	TBD	10.4 (39)	11.6 (44)	12.4 (47)
	100% Load	12.1 (46)	TBD	12.1 (46)	13.1 (50)	15.3 (58)
	Fuel Tank Capacity – gal (L)	122 (462)	140 (530) Wagon 110 (416) Tandem	122 (462)	122 (462)	140 (530) Wagon 110 (416) Tandem
Dimensions With Running Gear	Overall Length – in (mm)	195.1 (4956)	163 (4140) Wagon 215 (5461) Tandem	195.1 (4956)	195.1 (4956)	163 (4140) Wagon 215 (5461) Tandem
	Overall Width – in (mm)	87 (2210)	79 (2007)	87 (2210)	87 (2210)	79 (2007)
	Overall Height – in (mm); excluding exh. pipe	85.4 (2169)	91.2 (2316) Wagon 87.9 (2233) Tandem	85.4 (2169)	85.4 (2169)	91.2 (2316) Wagon 87.9 (2233) Tandem
	Track Width – in (mm)	76.8 (1951)	66.3 (1684) Wagon 68.5 (1740) Tandem	76.8 (1951)	76.8 (1951)	66.3 (1684) Wagon 68.5 (1740) Tandem
	Tire Size	ST225/75D15	7.5-16LT/8-14.5LT	ST225/75D15	ST225/75D15	7.5-16LT/8-14.5LT
	Shipping Weight – lb (kg) no fuel	8400 (3800)	9370 (4250) Wagon 9480 (4300) Tandem	8400 (3800)	8400 (3800)	9370 (4250) Wagon 9480 (4300) Tandem
	Working Weight – lb (kg) with fuel	9250 (4200)	10560 (4790) Wagon 10460 (4745) Tandem	9250 (4200)	9250 (4200)	10350 (4695) Wagon 10250 (4649) Tandem
Dimensions Without Running Gear	Overall Length – in (mm)	141.5 (3594)	153 (3886)	141.5 (3594)	141.5 (3594)	153 (3886)
	Overall Width – in (mm)	87 (2210)	79 (2007)	87 (2210)	87 (2210)	79 (2007)
	Overall Height – in (mm)	77 (1956)	80.4 (2042)	77 (1956)	77 (1956)	80.4 (2042)
	Shipping Weight – lb (kg) no fuel	7650 (3450) est.	9120 (4137)	7650 (3450) est.	7650 (3450) est.	8920 (4046)
	Working Weight – lb (kg) with fuel	8500 (3850) est.	10110 (4586)	8500 (3850) est.	8500 (3850) est.	9900 (4500)
	MODEL	XP825WCU	HP915WCU	XP1000WCU	HP1300WCU	HP1600WCU
Compressor	Free-Air Delivery – cfm (m ³ /min)	825 (23.4)	915 (25.9)	1000 (28.3)	1300 (36.8)	1600 (45.3)
	Rated Operating Pressure – psi (bar)	125 (8.6)	150 (10.3)	125 (8.6)	150 (10.3)	150 (10.3)
	Pressure Range – psi (bar)	80 – 150 (5.5 – 10.3)	80 – 175 (5.5 – 12.1)	80 – 150 (5.5 – 10.3)	80 – 175 (5.5 – 12.1)	80 – 175 (5.5 – 12.1)
	Air Discharge Outlet NPT Size – in (mm)	2 (50.8)	2 (50.8)	2 (50.8)	3 (76.2)	3 (76.2)
	Air Discharge Outlet Quantity	1	1	1	1 (2 with IQ)	1 (2 with IQ)
Compressor Oil Capacity – gal (L)	17 (64)	18.5 (70)	18.5 (70)	55 (209)	55 (209)	
Engine	Make/Model	Cummins/QSC 8.3	Cummins/QSL-9	Cummins/QSL-9	Cummins/QSX15	Cummins/QSX15
	Emissions Tier Level	Tier 3	Tier 3	Tier 3	Tier 3	Tier 3
	# of Cylinders	6	6	6	6	6
	Displacement – cu in (L)	506 (8.3)	543 (8.9)	543 (8.9)	915 (15)	915 (15)
	Rated Speed – rpm	2000	1800	1800	1800	1800
	Idle Speed – rpm	1200	1200	1200	1200	1200
	Bhp @ Rated Speed (kW)	280 (209)	300 (223.7)	300 (223.7)	510 (380.3)	560 (417.6)
	Electrical – volts/battery qty	24/(2) 4D, 1000 CCA	24/(2) G31 1000 CCA	24/(2) G31 1000 CCA	24, (2) 8D, 1300	24, (2) 8D, 1300
	Engine Oil Capacity – qt (L)	20 (19)	24 (22.7)	24 (22.7)	48 (45.4)	88 (84)
	Radiator Coolant Capacity – gal (L)	7.5 (28)	12.7 (48)	12.7 (48)	15.2 (57.5)	15.2 (57.5)
	Altitude Capability – ft (m)	7000 (2134)	6000 (1829)	6000 (1829)	8000 (2438)	8000 (2438)
	Fuel – gph (L/h)		Idle = 7.6 (28.8)	Idle = 7.6 (28.8)		
	75% Load	11.6 (44)	13.3 (50.3)	13.3 (50.3)	17.3 (65.4) est.	19.5 (73.7)
	100% Load	13.1 (50)	14.5 (54.9)	14.5 (54.9)	22.43 (84.8) est.	25.2 (95.3)
	Fuel Tank Capacity – gal (L)	122 (462)	140 (530) Wagon 110 (416) Tandem	140 (530) Wagon 110 (416) Tandem	230 (870)	230 (870)
Dimensions With Running Gear	Overall Length – in (mm)	195.1 (4956)	163 (4140) Wagon 215 (5461) Tandem	163 (4140) Wagon 215 (5461) Tandem	222 (5649) Wagon 290.5 (7379) Tandem	222 (5649) Wagon 290 (7366) Tandem
	Overall Width – in (mm)	87 (2210)	79 (2007)	79 (2007)	90 (2286)	90 (2286)
	Overall Height – in (mm); excluding exh. pipe	85.4 (2169)	91.2 (2316) Wagon 87.9 (2233) Tandem	91.2 (2316) Wagon 87.9 (2233) Tandem	101.8 (2586) Wagon 100 (2540) Tandem	101.8 (2586) Wagon 100 (2540) Tandem
	Track Width – in (mm)	76.8 (1951)	66.3 (1684) Wagon 68.5 (1740) Tandem	66.3 (1684) Wagon 68.5 (1740) Tandem	71.6 (1819) Wagon 71 (1803) Tandem	71.6 (1819) Wagon 71 (1803) Tandem
	Tire Size	ST225/75D15	7.5-16LT/8-14.5LT	7.5-16LT/8-14.5LT	215/75R17.5H	215/75R17.5H
	Shipping Weight – lb (kg) no fuel	8400 (3800)	9370 (4250) Wagon 9480 (4300) Tandem	9370 (4250) Wagon 9480 (4300) Tandem	16100 (7303) Wagon 16800 (7620) Tandem	16100 (7303) Wagon 16800 (7620) Tandem
	Working Weight – lb (kg) with fuel	9250 (4200)	10350 (4695) Wagon 10250 (4649) Tandem	10350 (4695) Wagon 10250 (4649) Tandem	17790 (8069) Wagon 18490 (8387) Tandem	17790 (8069) Wagon 18490 (8387) Tandem
Dimensions Without Running Gear	Overall Length – in (mm)	141.5 (3594)	153 (3886)	153 (3886)	222.4 (5649)	222.4 (5649)
	Overall Width – in (mm)	87 (2210)	79 (2007)	79 (2007)	90 (2286)	90 (2286)
	Overall Height – in (mm)	77 (1956)	80.4 (2042)	80.4 (2042)	87.6 (2196) with shock mounts	87.6 (2196) with shock mounts
	Shipping Weight – lb (kg) no fuel	7650 (3450) est.	8920 (4046)	8920 (4046)	15350 (6963)*	15350 (6963)
	Working Weight – lb (kg) with fuel	8500 (3850) est.	9900 (4500)	9900 (4500)	17040 (7729)*	17040 (7729)

* Add 600 lb (272 kg) for units with IQ System option



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