

# 700 CFM to 1000 CFM Portable Air Compressors



## Wide Range, Full Performance

Ingersoll-Rand offers the widest range of compressors in this class of machines, designed to meet all your applications. Available in nine models, these compressors come with a rated capacity range of 700 – 1,000 cfm (19.80 – 28.32 m<sup>3</sup>/min) and operating pressures of 125 – 300 psig (8.6 – 20.7 bar). This includes two models at 300 psig (20.7 bar) for drilling applications. Add to that the standard feature of a fully galvanized enclosure for maximum corrosion protection and durability.

## Onboard Aftercoolers and Coalescing Filters

An optional internal aftercooler is available for the 700 – 1,000 cfm (19.80 – 28.32 m<sup>3</sup>/min) models. These aftercoolers offer an approach temperature of 30° F and are available with optional particulate and coalescing filters, and a patented condensate disposal system for cleaner, drier air. The IQ System™ is available on all models in this series.



# 700 CFM to 1000 CFM Portable Air Compressors

## Specifications

MODEL		VHP750WCAT	MHP825WCAT	VHP750WCU	MHP825WCU	HP915WCU	XP1000WCU	XHP700WCAT	XHP700WCU	SHP750WCAT
<b>ENGINE — TIER 2</b>										
Make		Caterpillar	Caterpillar	Cummins	Cummins	Cummins	Cummins	Caterpillar	Cummins	Caterpillar
Model		C-9	C-9	QSL-9	QSL-9	QSL-9	QSL-9	C-9	QSL-9	C-9
Number Of Cylinders		6	6	6	6	6	6	6	6	6
Displacement – cu in (L)		535 (8.8)	535 (8.8)	543 (8.9)	543 (8.9)	543 (8.9)	543 (8.9)	535 (8.8)	543 (8.9)	535 (8.8)
Rated Speed – rpm		1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800
Idle Speed – rpm		1,200	1,200	1,200	1,200	1,200	1,200	1,350	1,350	1,350
BHP @ Rated Speed		275	275	299	299	299	299	275	299	275
Electrical		24 V	24 V	24 V	24 V	24 V	24 V	24 V	24 V	24 V
<b>COMPRESSOR — ISO 1217 — ROTARY SCREW / SINGLE-STAGE</b>										
Free-air Delivery – cfm (m <sup>3</sup> /min)		750 (21.24)	825 (23.36)	750 (21.24)	825 (23.36)	915 (25.90)	1,000 (28.32)	700 (19.80)	700 (19.80)	750 (21.24)
Rated Operating Pressure – psig (bar)		200 (13.79)	175 (12.07)	200 (13.79)	175 (12.07)	150 (10.34)	125 (8.62)	300 (20.70)	300 (20.70)	250 (17.25)
Pressure Range – psig (bar)		80 – 225 (5.52 – 15.51)	80 – 200 (5.52 – 13.79)	80 – 225 (5.52 – 15.51)	80 – 200 (5.52 – 13.79)	80 – 175 (5.52 – 12.07)	80 – 150 (5.52 – 10.34)	140 – 325 (9.65 – 22.4)	140 – 325 (9.65 – 22.4)	140 – 275 (9.65 – 18.95)
Air Discharge Outlet NPT Size – in (mm)		2.0 (50.8)	2.0 (50.8)	2.0 (50.8)	2.0 (50.8)	2.0 (50.8)	2.0 (50.8)	2.0 (50.8)	2.0 (50.8)	2.0 (50.8)
Air Discharge Outlet Quantity		1	1	1	1	1	1	1	1	1
<b>DIMENSIONS W/ RUNNING GEAR</b>										
Overall Length – in (mm)	Wagon	166 (4210)	166 (4210)	166 (4210)	166 (4210)	166 (4210)	166 (4210)	166 (4210)	166 (4210)	166 (4210)
	High Speed	215 (5461)	215 (5461)	215 (5461)	215 (5461)	215 (5461)	215 (5461)	215 (5461)	215 (5461)	215 (5461)
Overall Width – in (mm)	Wagon	79 (2007)	79 (2007)	79 (2007)	79 (2007)	79 (2007)	79 (2007)	79 (2007)	79 (2007)	79 (2007)
	High Speed	79 (2007)	79 (2007)	79 (2007)	79 (2007)	79 (2007)	79 (2007)	79 (2007)	79 (2007)	79 (2007)
Overall Height – in (mm)	Wagon	91.2 (2316)	91.2 (2316)	91.2 (2316)	91.2 (2316)	91.2 (2316)	91.2 (2316)	91.2 (2316)	91.2 (2316)	91.2 (2316)
	High Speed	92.7 (2355)	92.7 (2355)	92.7 (2355)	92.7 (2355)	92.7 (2355)	92.7 (2355)	92.7 (2355)	92.7 (2355)	92.7 (2355)
Track Width – in (mm)	Wagon	66.3 (1684)	66.3 (1684)	66.3 (1684)	66.3 (1684)	66.3 (1684)	66.3 (1684)	66.3 (1684)	66.3 (1684)	66.3 (1684)
	High Speed	68.4 (1737)	68.4 (1737)	68.4 (1737)	68.4 (1737)	68.4 (1737)	68.4 (1737)	68.4 (1737)	68.4 (1737)	68.4 (1737)
Tire Size – in (mm)	Wagon	16 (406)	16 (406)	16 (406)	16 (406)	16 (406)	16 (406)	16 (406)	16 (406)	16 (406)
	High Speed	14.5 (368)	14.5 (368)	14.5 (368)	14.5 (368)	14.5 (368)	14.5 (368)	14.5 (368)	14.5 (368)	14.5 (368)
Shipping Weight —	Wagon	9,570 (4350)	9,570 (4350)	9,370 (4259)	9,370 (4259)	9,370 (4259)	9,370 (4259)	9,920 (4510)	9,770 (4432)	9,770 (4432)
No Fuel – lb (kg)	High Speed	9,680 (4400)	9,680 (4400)	9,480 (4300)	9,480 (4300)	9,480 (4300)	9,480 (4300)	10,030 (4559)	9,830 (4469)	9,830 (4469)
Working Weight —	Wagon	10,550 (4795)	10,550 (4795)	10,350 (4705)	10,350 (4705)	10,350 (4705)	10,350 (4705)	10,900 (4955)	10,750 (4886)	10,750 (4886)
w/ Fuel – lb (kg)	High Speed	10,450 (4750)	10,450 (4750)	10,250 (4659)	10,250 (4659)	10,250 (4659)	10,250 (4659)	10,800 (4910)	10,600 (4820)	10,600 (4820)
Fuel Tank Capacity – gal (L)	Wagon	140 (530)	140 (530)	140 (530)	140 (530)	140 (530)	140 (530)	140 (530)	140 (530)	140 (530)
	High Speed	110 (515)	110 (515)	110 (515)	110 (515)	110 (515)	110 (515)	110 (515)	110 (515)	110 (515)
<b>DIMENSIONS W/O RUNNING GEAR</b>										
Overall Length – in (mm); Add 8" (203 mm) Service Valves		153 (3886)	153 (3886)	153 (3886)	153 (3886)	153 (3886)	153 (3886)	153 (3886)	153 (3886)	153 (3886)
Overall Width – in (mm)		79 (2007)	79 (2007)	79 (2007)	79 (2007)	79 (2007)	79 (2007)	79 (2007)	79 (2007)	79 (2007)
Overall Height – in (mm)		77 (1956)	77 (1956)	77 (1956)	77 (1956)	77 (1956)	77 (1956)	77 (1956)	77 (1956)	77 (1956)
Shipping Weight — No Fuel – lb (kg)		9,120 (4145)	9,120 (4145)	8,920 (4046)	8,920 (4046)	8,920 (4046)	8,920 (4046)	9,470 (4305)	9,320 (4236)	9,320 (4236)
Working Weight — w/ Fuel – lb (kg)		10,100 (4591)	10,100 (4591)	9,900 (4500)	9,900 (4500)	9,900 (4500)	9,900 (4500)	10,450 (4750)	10,300 (4682)	10,300 (4682)

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

### ENGINE CHOICE

Both Cummins and Caterpillar diesel engines are turbocharged, aftercooled, and meet U.S. / EPA Tier 2 exhaust emission standards.

### KEY FEATURES / BENEFITS

- Fully galvanized sheet metal enclosure for ultimate corrosion protection
- Compact size increases maneuverability
- Large fuel tank lasts the full shift
- Rear steps allow easier access to radiator for refilling engine coolant
- Wagon wheel or high speed running gear design options and computerized control panel increase efficiency; gauges include engine temperature, hour meter, volt meter, discharge air temperature, engine oil pressure, tachometer, and fuel level

### WORKING WITH HIGH-PRESSURE AIR

The Ingersoll-Rand mid-size compressor line provides whatever combination of pressure and flow you need for construction, drilling and quarry, abrasive blasting, shotcreting, or industrial applications.

### 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.



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