



750 – 1170 cfm

Portable High Pressure Air Compressors



From the first high-pressure portable unit in 1930 to the first high-pressure two-stage model in 1973, Ingersoll Rand has a history of compressor innovation and performance. Today we provide a wide range of XHP compressors to support construction and drilling.

Compressor technology that sets the standard

Was this compressor made just for you? Ingersoll Rand customers tend to feel that way. The backlit gauges on the panel are intuitively placed, the layout of the cool-box design allows quick service, and the paint quality, weld strength, and reliability are just some of the things that enhance your product experience. Ingersoll Rand offers the right level of technology, from years of proven direct engine control to our innovative microcontroller and more. We listened to our customers and optimized the mechanical control of the inlet and oil temperature valves without electronics, but with fuel efficiency and durability in mind. The running gear system is designed with life-extending features that provide security mile after mile. No wonder Ingersoll Rand sets the standard by which others are measured.

MODEL	XHP750WCAT	XHP1070WCAT	XHP1170WCAT	XHP1170SCAT	XHP1170FCAT
COMPRESSOR -- ROTARY SCREW / SINGLE-STAGE					
Free-air Delivery – cfm (m ³ /min)	750 (21.2)	1,070 (30.3)	1,170 (33.1)	1,170 (33.1)	1,170 (33.1)
Rated Operating Pressure – psig (bar)	300 (20.7)	350 (24.1)	350 (24.1)	350 (24.1)	350 (24.1)
Pressure Range – psig (bar)	150 – 325 (10.3 – 22.4)	150 – 375 (10.3 – 25.9)	150 – 375 (10.3 – 25.9)	150 – 375 (10.3 – 25.9)	150 – 375 (10.3 – 25.9)
Air Discharge Outlet Size – in (NPT)	2	3	3	3	2
Air Discharge Outlet Quantity	1	1	1	1	1
ENGINE -- TIER 3 / STAGE III					
Make	Caterpillar	Caterpillar	Caterpillar	Caterpillar	Caterpillar
Model	C-9	C-15	C-15	C-15	C-15
Number Of Cylinders	6	6	6	6	6
Displacement – cu in (L)	537 (8.8)	923 (15.1)	923 (15.1)	923 (15.1)	923 (15.1)
Rated Speed – rpm	1,800	1,800	1,800	1,800	1,800
Idle Speed – rpm	1,350	1,350	1,350	1,350	1,350
Bhp @ Rated Speed (kW)	350 (261)	475 (354)	540 (403)	540 (403)	540 (403)
Electrical, Batteries, CCA	24 V, GR 31, 1,000	24 V, 4D, 1,400	24 V, 4D, 1,400	24 V, 4D, 1,400	---
Engine Oil Capacity – qt (L)	7.4 (28)	8.5 (32)	8.5 (32)	8.5 (32)	8.5 (32)
Radiator Coolant Capacity – gal (L)	12.7 (48)	16 (60.6)	16 (60.6)	16 (60.6)	16 (60.6)
Fuel Tank Capacity – gal (L)	140 (530)	230 (874)	230 (874)	---	---
DIMENSIONS W/ FAST TRACK RUNNING GEAR					
Length – in (mm)	215 (5461)	290 (7366)	290 (7366)	---	---
Width – in (mm)	79 (2007)	90 (2286)	90 (2286)	---	---
Height w/ Exhaust Pipe – in (mm)	92.7 (2355)	101 (2565)	101 (2565)	---	---
Track Width – in (mm)	68.4 (1738)	71 (1803)	71 (1803)	---	---
Tire Size	14.5	215 / 75R17.5	215 / 75R17.5	---	---
Shipping Weight -- No Fuel – lb (kg)	9,830 (4458)	16,700 (7575)	16,700 (7575)	---	---
Working Weight -- w/ Fuel – lb (kg)	10,600 (4808)	18,390 (8342)	18,390 (8342)	---	---
DIMENSIONS W/O RUNNING GEAR					
Length – in (mm)	153 (3886)	222.4 (5649)	222.4 (5649)	231 (5867)	184.1 (4676)
Width – in (mm)	79 (2007)	90 (2286)	90 (2286)	88 (2235)	88.5 (2248)
Height w/ Shock Mounts – in (mm)	84.9 (2157)	87 (2210)	87 (2210)	90 (2285)	89.3 (2266)
Shipping Weight -- No Fuel – lb (kg)	9,320 (4228)	15,950 (7235)	15,950 (7235)	18,450 (8368)	11,100 (5035)
Working Weight -- w/ Fuel – lb (kg)	10,300 (4672)	17,640 (8001)	17,640 (8001)	---	---

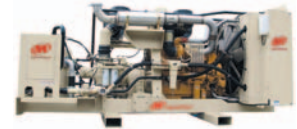
Product improvement is a continuing goal at Ingersoll Rand. Designs and specifications are subject to change without notice or obligation.

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.

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AVAILABLE OPTIONS (FACTORY-INSTALLED WCAT)

- Aftercoolers plus water separator with 20° F approach temperature (25° F on XHP750)
- Automatic engine oil replenishment system
- Automatic start / stop controller with remote start
- Battery trickle charger sealed for drill environment durability
- Cold-start kit includes heaters for engine clock, engine oil pan, and batteries
- Emergency stop
- IQ System™ consists of aftercooler plus particulate and coalescing filters with a patented condensate disposal system for cleaner, drier air. Low ambient system included with aftercooler blowdown, airflow control, and orifice heaters for any temperature operation
- Less running gear includes isolation mounts for truck or trailer, or permanent pad installation



AVAILABLE OPTIONS (FCAT)

- Aftercoolers plus water separator / 20° F approach temperature
- Two 4D 1400 CCA batteries
- Day tank for fuel

PERFORMANCE FEATURES (WCAT)

- 110% fluid containment base (except XHP750)
- 1-year / 2,000-hour warranty package
- 2-year / 4,000-hour airend warranty is standard, extended to 5-year / 10,000-hour warranty with use of Ingersoll Rand parts and fluids
- 500-hour engine oil service / 1,000-hour airend oil service warranty
- Automatic safety shutdowns for high discharge air temp, low engine oil pressure, high engine coolant temp, and low fuel level
- Central drains included (drains for XHP750 are optional)
- Construction-grade pedestal jack stand
- Easy access for service maintenance of coolers and filters
- Fuel / water separator as primary filtration
- Galvanneal sheet metal enclosure on XHP750 and on high corrosion areas of 1070 and 1170WCAT
- Heavy-duty A-frame detachable drawbar with adjustable pintle eye
- Microprocessor-controlled engine with optimal compressor performance and diagnostics
- 12-step sheet metal pre-treatment process plus epoxy powder topcoat



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