

700 CFM to 1170 CFM Portable High Pressure Air Compressors



Market Leadership

The Ingersoll-Rand lineup of high pressure portable air compressors offers a broad range of sizes and configurations designed for the highest reliability in the most demanding environments.

A full containment base is featured on all models with free-air delivery ranging from 1,070 to 1,170 cfm making these compressors environmentally friendly.

Each model utilizes a Tier 3 / Stage III emission-compliant Caterpillar or Cummins engine.

IQ System

The optional IQ System™ provides the highest level of air quality. The patented technology reduces oil, dirt, and water aerosol particles down from 0.01 parts per million to 0.01 microns.

All models can also be equipped with an aftercooler and water separator without the coalescing filters included in the IQ System. Both options provide an approach temperature of 20° F.



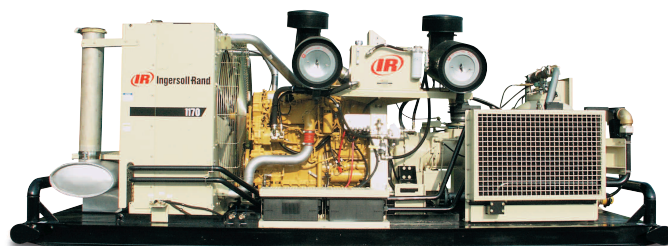
700 CFM to 1170 CFM Portable High Pressure Air Compressors

Specifications

MODEL	XHP700WCAT TIER 2	XHP1070WCAT TIER 3	XHP1070SCAT TIER 3	XHP1170WCAT TIER 3	XHP1170SCAT TIER 3	XHP1170WCU TIER 3
ENGINE						
Make	Caterpillar	Caterpillar	Caterpillar	Caterpillar	Caterpillar	Cummins
Model	C-9	C-15	C-15	C-15	C-15	QSX-15
Number Of Cylinders	6	6	6	6	6	6
Displacement – cu in (L)	537 (8.8)	923 (15.1)	923 (15.1)	923 (15.1)	923 (15.1)	915 (15)
Rated Speed – rpm	1,800	1,800	1,800	1,800	1,800	1,800
Idle Speed – rpm	1,350	1,350	1,350	1,350	1,350	1,350
BHP @ Rated Speed – hp (kW)	275 (205)	475 (354)	475 (354)	540 (403)	540 (403)	560 (418)
Electrical; Batteries; CCA	24 V; (2) GR 31; 1,000	24 V; (2) 4D; 1,400	24 V; (2) 4D; 1,400	24 V; (2) 4D; 1,400	24 V; (2) 4D; 1,400	24 V; (2) 4D; 1,400
Engine Oil Capacity – gal (L)	8.5 (32)	8.5 (32)	8.5 (32)	8.5 (32)	8.5 (32)	12 (43.8)
Radiator Coolant Capacity – gal (L)	12.7 (48)	16 (60.6)	16 (60.6)	16 (60.6)	16 (60.6)	16 (60.6)
Fuel Tank Capacity – gal (L)	140 (530)	230 (874)	—	230 (874)	—	230 (874)
COMPRESSOR ROTARY SCREW / 2-STAGE						
Free-air Delivery – cfm (m ³ /min)	700 (19.8)	1,070 (30.3)	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)	350 (24.1)
Pressure Range – psig (bar)	80 – 300 (5.5 – 20.7)	80 – 350 (5.5 – 24.1)	80 – 350 (5.5 – 24.1)	80 – 350 (5.5 – 24.1)	80 – 350 (5.5 – 24.1)	80 – 350 (5.5 – 24.1)
Air Discharge Outlet NPT Size – in	2	3	3	3	3	3
Air Discharge Outlet Quantity	1	1	1	1	1	1
DIMENSIONS W/ FAST TRACK RUNNING GEAR						
Overall Length – in (mm)	215 (5461)	290 (7366)	—	290 (7366)	—	290 (7366)
Overall Width – in (mm)	79 (2007)	90 (2286)	—	90 (2286)	—	90 (2286)
Overall Height – in (mm)	93 (2362)	101 (2565)	—	101 (2565)	—	101 (2565)
Track Width – in (mm)	68.4 (1738)	71 (1803)	—	71 (1803)	—	71 (1803)
Tire Size	14.5	215 / 75R17.5	—	215 / 75R17.5	—	215 / 75R17.5
Shipping Weight — No Fuel – lb (kg)	10,030 (4559)	16,420 (7464)	—	16,420 (7464)	—	16,690 (7586)
Working Weight — w/ Fuel – lb (kg)	10,800 (4910)	17,850 (8114)	—	17,850 (8114)	—	18,300 (8319)
DIMENSIONS W/O RUNNING GEAR						
Overall Length – in (mm)	148.6 (3775)	222.4 (5649)	231 (5867)	222.4 (5649)	231 (5867)	222.4 (5649)
Overall Width – in (mm)	79 (2007)	90 (2286)	88 (2235)	90 (2286)	88 (2235)	90 (2286)
Overall Height (w/ shock mounts) – in (mm)	84.9 (2157)	87 (2210)	—	87 (2210)	—	87 (2210)
Shipping Weight — No Fuel – lb (kg)	9,470 (4305)	14,800 (6727)	17,300 (7864)	14,800 (6727)	17,300 (7864)	15,240 (6927)
Working Weight — w/ Fuel – lb (kg)	10,450 (4750)	16,400 (7455)	—	16,400 (7455)	—	18,300 (8318)

KEY FEATURES

- Central drains standard on all models with free-air delivery ranging from 1,070 to 1,170 cfm (30.3 to 33.1 m³/min)
- Electronic controller for significantly enhanced diagnostic capabilities and easy maintenance
- Full electronic controls for optimum engine and compressor load precision
- Large variety of running gear configurations as well as whispered or open-frame enclosures
- Optional 5-year / 10,000-hour airtend warranty when serviced with genuine Ingersoll-Rand parts and fluids



XHP1170SCAT with IQ System



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Form 09-0003
Printed in USA 10-05