



750 – 1500 cfm | High-Pressure Air Compressors



Portable Power

Compressor technology that sets the standard

Doosan Portable Power offers the right level of technology, from years of proven direct engine control to our innovative microcontroller and more. We listen to our customers and design our product to meet those demands. We utilize mechanical control of the inlet and oil temperature valve for maximum durability that performs in the harshest conditions. 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. The running gear system is designed with life extending features that provide security mile after mile. No wonder Doosan Portable Power sets the standard by which others are measured.

Performance Features

- 1-year/2,000-hour warranty package
- 2-year/4,000-hour airend warranty is 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 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
- Heavy-duty A-frame detachable drawbar with adjustable pintle eye
- Microprocessor-controlled engine with optimal compressor performance and diagnostics

Model	XHP750WCAT	XHP1170WCAT
COMPRESSOR		
Free-Air Delivery – cfm (m ³ /min)	750 (21.2)	1170 (33.1)
Rated Operating Pressure – psig (bar)	300 (21)	350 (24.1)
Pressure Range – psig (bar)	140 – 325 (9.65 – 22.4)	150 – 375 (10.3 – 25.9)
Air Discharge Outlet NPT Size – in (mm)	2.0 (50.8)	3 (76.2)
Air Discharge Outlet Quantity	1	1 (2 with IQ/AC)
Compressor Oil Capacity – gal (L)	19.8 (75)	55 (208)
ENGINE		
Make/Model	Caterpillar/C9	Caterpillar/C15
Emissions Tier Level	Tier 3	Tier 3
Number of Cylinders	6	6
Displacement – cu in (L)	535 (8.8)	923 (15.1)
Rated Speed – rpm	1800	1800
Idle Speed – rpm	1350	1350
Bhp @ Rated Speed (kW)	300 (223.7)	540 (402.7)
Electrical – volts/battery qty	24/(2) 1000 CCA	24/(2) 1400 CCA
Engine Oil Capacity – qt (L)	34 (32.1)	42 (40)
Radiator Coolant Capacity – gal (L)	12.7 (48)	15.2 (57.5)
Fuel Tank Capacity – gal (L)	140 (530) WAGON 110 (416) TANDEM	Tank 1 – 98 (369) Tank 2 – 98 (369) Total – 196 (738)
DIMENSIONS WITH RUNNING GEAR		
Overall Length – in (mm)	163 (4140) WAGON 215 (5461) TANDEM	222.4 (5649) WAGON 290.5 (7379) TANDEM
Overall Width – in (mm)	79 (2007)	90 (2286)
Overall Height EXCLUDING EXHAUST PIPE – in (mm)	91.2 (2316) WAGON 87.9 (2233) TANDEM	101.8 (2586) WAGON 100 (2540) TANDEM
Track Width – in (mm)	66.3 (1684) WAGON 68.5 (1740) TANDEM	71.6 (1818.5) WAGON 71 (1803) TANDEM
Tire Size – in	7.5-16LT WAGON 8-14.5LT TANDEM	215/75R17.5
Shipping Weight w/o FUEL – lb (kg)	9370 (4250) WAGON 9480 (4300) TANDEM	16100 (7303) WAGON 16420 (7464) TANDEM
Working Weight w/ FUEL – lb (kg)	10560 (4790) WAGON* 10460 (4745) TANDEM*	17790 (8069) WAGON** 17850 (8114) TANDEM**
DIMENSIONS WITHOUT RUNNING GEAR		
Overall Length – in (mm)	153 (3886)	222.4 (5649)***
Overall Width – in (mm)	79 (2007)	90 (2286)
Overall Height – in (mm)	80.4 (2042)	86.4 (2196)
Shipping Weight w/o FUEL – lb (kg)	9120 (4137)	15350 (6963)
Working Weight w/ FUEL – lb (kg)	10110 (4586)	17040 (7729)**

*Rear steps deduct 4.5"

**Add 600 lb (272 kg) for IQ System

***Deduct 12.5" for Service Valve

Available options (factory-installed WCAT)

- Aftercoolers plus water separator with 20 degree F approach temperature (25 degree F on XHP750) (aftercooler is standard on XXHP1270/XHP1500FCAT)
- 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 block, 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, Instrument Quality air (low ambient system included with aftercooler blowdown, airflow control and orifice heaters for operation at any temperature)
- Less running gear includes isolation mounts for truck or trailer or permanent pad installation



The highest density commercialized portable compressors available

XHP open frame models

- XHP1170FCAT
- XXHP1270/XHP1500FCAT

These innovative, open frame compressors provide a small footprint with the highest power density in the industry in terms of the flow and pressure combination. The innovative XXHP1270/XHP1500 offers as standard, dual flow and dual pressure. The control system allows flow for 1270 to 1500 cfm during operation at 500 and 350 psi to maximize productivity for the applications. Drill deeper and with more productivity than ever before.

XXHP1270/XHP1500 Features

- Electronic oil temperature bypass valve maintains the optimum oil temperature for all ambient conditions and maximizes oil life and airdend durability
- Oil carryover is less than 2 ppm, resulting in less contamination of filter membranes and reduced oil cost between changes
- Large airdend oil reservoir and quad-filter filtration assures long life of the oil and increased life of the internal components
- Coolers are easily cleaned because of an innovative, single row design/Access doors allow for the best serviceability available
- Aftercooler is standard
- Engine block heater is standard
- Fuel cooler is standard
- All open frame models feature a mechanical inlet valve for reliability and effective control

XHP1170 Features

- Microprocessor system provides fault codes and compressor maintenance trouble shooting
- Coolers are single row design for optimum ease of maintenance/ Access doors allow for the best serviceability available
- Full range of options for drilling applications
- Optional C18 engine

XHP1170FCAT	XXHP1270/XHP1500FCAT
1170 (33.1)	1270 (36) – 1500 (42.5)
350 (24.1)	500 (34.5) – 350 (24.1)
150 – 375 (10.3 – 25.9)	175 – 375 (12.1 – 25.9)
3 (76.2)	400 – 525 (27.8 – 36.2)
1	3 (76.2)
55 (208)	1
	85 (322)
Caterpillar/C15	Caterpillar/C18
Tier 3	Tier 3
6	6
923 (15.1)	1105 (18.1)
1800	1625/1850
1350	1350
540 (402.7)	700 (522)
24/(2) 1400 CCA	24/(2) 1400 CCA - Optional
42 (40)	50 (47.3)
15.2 (57.5)	13.5 (51.1)
14 (52) DAY TANK OPTION	20 (75.7) DAY TANK OPTION
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
156 (3962)	184.1 (4676)
89.5 (2273)	89.2 (2266)
92 (2337)	89.5 (2273)
11200 (5080)	16120 (7327)
N/A	16910 (7686)





Experience Doosan Portable Power and our industry-leading support and service. Whatever the job, we have the solution. From our comprehensive range of air compressors, lighting systems and generators to our rugged and reliable light compaction equipment, we have a solution to fit your needs. Running a successful business takes more than powerful equipment. That's why Doosan Portable Power partners with an experienced global dealer network to stand beside you every step of the way. Doosan Portable Power — more than 100 years of providing excellence.

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