

# 400 – 1450 cfm

Portable High-Pressure Air Compressors



**Doosan Infracore**  
Portable Power



## Compressor technology that sets the standard

Was this compressor made just for you? Doosan Portable Power 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. Doosan Portable Power 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 Doosan Portable Power sets the standard by which others are measured.



### 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 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
- Twelve-step sheet metal pre-treatment process plus epoxy powder topcoat

## The highest density commercialized portable compressors available

### XHP open frame models

- XHP1070/1170FCAT
- XXHP1250/XHP1450FCAT

### Available options (factory-installed WCAT)

- Aftercoolers plus water separator with 20 degree F approach temperature (25 degree 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 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, drier 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



	MODEL	VHP400WJD	VHP750WCAT	XHP750WCAT	
<b>Compressor</b>	Free-Air Delivery – cfm (m <sup>3</sup> /min)	400 (11.3)	750 (21.2)	750 (21.2)	
	Rated Operating Pressure – psi (bar)	200 (13.8)	200 (13.8)	300 (21)	
	Pressure Range – psi (bar)	80 – 225 (5.5 – 15.5)	80 – 225 (5.5 – 15.5)	140 – 325 (9.65 – 22.4)	
	Air Discharge Outlet NPT Size – in (mm)	2.0 (50.8)	2.0 (50.8)	2.0 (50.8)	
	Air Discharge Outlet Quantity	1	1	1	
	Compressor Oil Capacity – gal (L)	12 (45.4)	18.5 (70)	19.8 (75)	
<b>Engine</b>	Make/Model	John Deere/6068H	Caterpillar/C9	Caterpillar/C9	
	Emissions Tier Level	Tier 3	Tier 3	Tier 3	
	# of Cylinders	6	6	6	
	Displacement – cu in (L)	414 (6.8)	535 (8.8)	535 (8.8)	
	Rated Speed – rpm	2200	1800	1800	
	Idle Speed – rpm	1500	1350	1350	
	Bhp (kW)@ Rated Speed	173 (129)	300 (223.7)	350 (261)	
	Electrical – volts/battery qty	24/(2) 1000 CCA	24/(2) 1000 CCA	24/(2) 1000 CCA	
	Engine Oil Capacity – qt (L)	8.6 (32.5)	34 (32.1)	34 (32.1)	
	Radiator Coolant Capacity – gal (L)	7.0 (26.5)	12.7 (48)	12.7 (48)	
	Fuel Tank Capacity – gal (L)	73 (276)	110 (416) Tandem 140 (530) Wagon	110 (416) Tandem 140 (530) Wagon	
<b>Dimensions With Running Gear</b>	Overall Length – in (mm)	170 (4318)	163 (4140) Wagon 215 (5461) Tandem	163 (4140) Wagon 215 (5461) Tandem	
	Overall Width – in (mm)	78.1 (1984)	79 (2007)	79 (2007)	
	Overall Height – in (mm); excluding exh. pipe	76 (1930)	91.2 (2316) Wagon 87.9 (2233) Tandem	91.2 (2316) Wagon 87.9 (2233) Tandem	
	Track Width – in (mm)	66.2 (1681)	66.3 (1684) Wagon 68.5 (1740) Tandem	66.3 (1684) Wagon 68.5 (1740) Tandem	
	Tire Size	ST235/80R16	7.5-16LT Wagon 8-14.5LT Tandem	7.5-16LT Wagon 8-14.5LT Tandem	
	Shipping Weight – lb (kg) no fuel	5133 (2328)	9370 (4250) Wagon 9480 (4300) Tandem	9370 (4250) Wagon 9480 (4300) Tandem	
	Working Weight – lb (kg) with fuel	5644 (2560)	10560 (4790) Wagon* 10460 (4745) Tandem*	10560 (4790) Wagon* 10460 (4745) Tandem*	
<b>Dimensions Without Running Gear</b>	Overall Length – in (mm)	117 (2972)	153 (3886)	153 (3886)	
	Overall Width – in (mm)	61 (1549)	79 (2007)	79 (2007)	
	Overall Height – in (mm)	56.9 (1443)	80.4 (2042)	80.4 (2042)	
	Shipping Weight – lb (kg) no fuel	4565 (2070)	9120 (4137)	9120 (4137)	
	Working Weight – lb (kg) with fuel	5000 (2268)	10110 (4586)	10110 (4586)	
	MODEL	XHP1070WCAT	XHP1170WCAT	XHP1170FCAT	XXHP1250-XHP1450FCAT
<b>Compressor</b>	Free-Air Delivery – cfm (m <sup>3</sup> /min)	1070 (30.3)	1170 (33.1)	1170 (33.1)	1250 (35.4) – 1450 (41.1)
	Rated Operating Pressure – psi (bar)	350 (24.1)	350 (24.1)	350 (24.1)	350 (24.1) – 500 (34.5)
	Pressure Range – psi (bar)	150 – 375 (10.3 – 25.9)	150 – 375 (10.3 – 25.9)	150 – 375 (10.3 – 25.9)	175 – 375 (12.1 – 25.9) 400 – 525 (27.8 – 36.2)
	Air Discharge Outlet NPT Size – in (mm)	3.0 (76.2)	3.0 (76.2)	2.0 (50.8)	3.0 (76.2)
	Air Discharge Outlet Quantity	1	1	1	1
	Compressor Oil Capacity – gal (L)	55 (208)	55 (208)	55 (208)	85 (322)
<b>Engine</b>	Make/Model	Caterpillar/C15	Caterpillar/C15	Caterpillar/C15	Caterpillar/C18
	Emissions Tier Level	Tier 3	Tier 3	Tier 3	Tier 3
	# of Cylinders	6	6	6	6
	Displacement – cu in (L)	923 (15.1)	923 (15.1)	923 (15.1)	1105 (18.1)
	Rated Speed – rpm	1800	1800	1800	1625/1850
	Idle Speed – rpm	1350	1350	1350	1350
	Bhp (kW)@ Rated Speed	475 (354.2)	540 (402.7)	540 (402.7)	700 (522)
	Electrical – volts/battery qty	24/(2) 1400 CCA	24/(2) 1400 CCA	24/(2) 1400 CCA – Optional	24/(2) 1400 CCA – Optional
	Engine Oil Capacity – qt (L)	42 (40)	42 (40)	42 (40)	50 (47.3)
	Radiator Coolant Capacity – gal (L)	15.2 (57.5)	15.2 (57.5)	15.2 (57.5)	13.5 (51.1)
	Fuel Tank Capacity – gal (L)	230 (871)	230 (871)	14 (52) day tank option	20 (75.7) day tank option
<b>Dimensions With Running Gear</b>	Overall Length – in (mm)	222.4 (5649) Wagon 290.5 (7379) Tandem	222.4 (5649) Wagon 290.5 (7379) Tandem	N/A	N/A
	Overall Width – in (mm)	90 (2286)	90 (2286)	N/A	N/A
	Overall Height – in (mm); excluding exh. pipe	101.8 (2586) Wagon 100 (2540) Tandem	101.8 (2586) Wagon 100 (2540) Tandem	N/A	N/A
	Track Width – in (mm)	71.6 (1818.5) Wagon 71 (1803) Tandem	71.6 (1818.5) Wagon 71 (1803) Tandem	N/A	N/A
	Tire Size	215/75R17.5	215/75R17.5	N/A	N/A
	Shipping Weight – lb (kg) no fuel	16100 (7303) Wagon 16420 (7464) Tandem	16100 (7303) Wagon 16420 (7464) Tandem	N/A	N/A
	Working Weight – lb (kg) with fuel	17790 (8069) Wagon** 17850 (8114) Tandem**	17790 (8069) Wagon** 17850 (8114) Tandem**	N/A	N/A
<b>Dimensions Without Running Gear</b>	Overall Length – in (mm)	222.4 (5649)***	222.4 (5649)***	156 (3962)	184.1 (4676)
	Overall Width – in (mm)	90 (2286)	90 (2286)	89.5 (2273)	89.2 (2266)
	Overall Height – in (mm)	86.4 (2196)	86.4 (2196)	92 (2337)	89.5 (2273)
	Shipping Weight – lb (kg) no fuel	15350 (6963)	15350 (6963)	11200 (5080)	16120 (7327)
	Working Weight – lb (kg) with fuel	17040 (7729)**	17040 (7729)**	N/A	16910 (7686)

\*Rear steps deduct 4.5"

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

\*\*\*Deduct 12.5" for Service Valve



**Doosan Infracore**  
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