

DOOSAN

900 – 1070 cfm T1 | Portable Air Compressors



Compressor technology that sets the standard

Compressor Features

Oil-flooded screw airend

Compressor oil filtration

- Dual 25 micron filter provided for optimum oil filtration

Oil separation system

- Two-stage vertical separator tank readily accessible through the large door on the front of the compressor
- Equipped with an oil level sight glass for simple inspection

Engine

Two-Stage air filters

- Safety elements provide maximum filtration for the engine and airend
- An automatic filter maintenance indicator signals the operator when to service the elements, ensuring maximum filter life without compromising the equipment

Flexible drive coupling

- Isolates engine vibration from the compressor for longer life

Benefits

Configuration

- Available in high-speed running gear or wagon wheel configuration

Easy access

- Five large, lockable access doors provide easy access to all components
- Large, conveniently located air filters

Cool box design

- Inside temperature remains no more than 12 °C above outside air temperature
- Prolongs component life
- Eliminates a long cool down period before maintenance can be performed

Automatic safety shutdowns for:

- High compressor discharge air temperature
- Low engine oil pressure
- High engine coolant temperature
- Low fuel level

Meets EPA sound requirements

- Sound level of less than 76 dBA at 7 m

Single-point, internal lifting bail for increased safety and security

Easy-to-maintain, side-by-side coolers

Refueling

- Well-ventilated dual fuel fillers are provided on both the street and kerb sides of the compressor

Options

- AC powered cold weather kit
- Electrically actuated ether injection system for improved cold weather starting
- Unloader control system to reduce engine load during starting

Model	XHP900WCAT	XHP900SCAT	XHP1070WCAT
Compressor			
Free Air Delivery – cfm (m ³ /min)	900 (25.5)	900 (25.5)	1070 (30.3)
Rated Operating Pressure – psig (bar)	350 (24.1)	350 (24.1)	350 (24.1)
Pressure Range – psig (bar)	150 – 375 (10.3 – 25.9)	150 – 375 (10.3 – 25.9)	150 – 375 (10.3 – 25.9)
Air Discharge Outlet NPT Size – in (mm)	3 (76.2)	3 (76.2)	3 (76.2)
Air Discharge Outlet Quantity	1	1	1
Engine			
Make / Model	Caterpillar / 3406	Caterpillar / 3406	Caterpillar / 3406
Emissions Tier Level	Tier 1	Tier 1	Tier 1
Number of Cylinders	6	6	6
Displacement – cu in (l)	893 (14.6)	893 (14.6)	893 (14.6)
Rated Speed – rpm	1800	1800	1800
Idle Speed – rpm	1200	1200	1200
Bhp @ Rated Speed (kW)	400	400	465
Electrical – volts	24	24	24
Fuel Tank Capacity – gal (l)	180 (681.4)	Optional 180 (681.4)	180 (681.4)
Dimensions (with wagon wheel running gear)			
Overall Length – in (mm)	191 (4851)	NA	204 (5182)
Overall Width – in (mm)	88.6 (2250)	NA	88.6 (2250)
Overall Height – in (mm)	101.5 (2578)	NA	101.5 (2578)
Track Width – in (mm)	70 (1778)	NA	70 (1778)
Shipping Weight without fuel – lb (kg)	13600 (6169)	NA	13900 (6305)
Dimensions (without running gear)			
Overall Length – in (mm)	187 (4750)	222 (5639)	200 (5080)
Overall Width – in (mm)	88.5 (2248)	89 (2261)	88.5 (2248)
Overall Height – in (mm)	89.6 (2276)	98 (2490)	89.6 (2276)
Shipping Weight without fuel – lb (kg)	12700 (5761)	12800 (5806)*	13000 (5897)

Control Panel

- Control panel is hinge-mounted to provide access to all relays, gauge connections, fuses and harness connection blocks
- Interior of control panel is totally enclosed to provide protection of electrical components & connections, significantly improving reliability
- Electrical schematics and parts lists mounted on the back of the control box

Gauge panel includes:

- Discharge air temperature
- Discharge air pressure
- Engine water temperature
- Engine oil pressure
- Hourmeter
- Fuel level
- Voltmeter
- Tachometer

Diagnostic panel includes:

	Indicator light	Shutdown
• High air discharge temp	✓	✓
• High engine water temp	✓	✓
• Low engine oil pressure	✓	✓
• Low fuel level	✓	✓
• Alternator not charging	✓	
• Low radiator coolant level	✓	
• Air filter restricted	✓	

XHP900SCAT

Doosan Portable Power offers a skid-mounted, open-frame, high-pressure unit with the same reliable design features as our portable units. The unit is designed for stationary applications such as oil and gas drilling, and comes mounted on a heavy-duty skid, without on-board fuel tanks and without an enclosure. The fuel tanks can be added as an option on EXPORT units only. All service drains are centrally located allowing maintenance to be performed quickly and easily.



Options

- Aftercooler with water separator provides approach temperatures of 10 °C and is completely integral to the unit
- Aftercooler condensate is piped into the engine exhaust system where it is burned off into the atmosphere for convenient operation



The Portable Air Compressors journey at Doosan starts here

Peace of mind

All Doosan compressor products offer a 1 year or 2000 hours warranty. The airend carries a standard 2 years or 4000 hours warranty. Conditional on the continued use of genuine parts, fluids and filters and the machine being serviced at the correct specified intervals by an authorized Doosan Portable Power distributor, the airend warranty can be extended to 5 years or 10000 hours. This warranty option enhances the resale value through the ability to transfer the warranty from one owner to the next. Some engines can also be included in the 5 year coverage.



Aftermarket solutions

- Dealer stocking programme for frequently-used parts
- Express availability for other parts
- Supporting you and your dealer with troubleshooting expertise on difficult service problems

Financial solutions

Financing and leasing options tailored to meet your individual business needs. Our streamlined loan application and credit approval process can quickly make your business plans a reality.



With Doosan Portable Power, you are not just buying a piece of equipment. You are investing in the strength and expertise of Doosan Portable Power and its people. From engineers and factory technicians, to field representatives and your dealer, we support your purchase. We are committed to helping you realise maximum value job after job, day after day. Wherever you see a piece of Doosan Portable Power equipment, you'll know that all of the Doosan Portable Power team is behind it.

Our industry-leading support system will help to keep your Doosan Portable Power equipment up and running for as long as you own it. Doosan Portable Power is committed to supporting each product throughout its life. We are committed to offering you an invaluable source of product information, financial service, training, technical service bulletins, service, parts and more...

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More than compressors



Specifications and design are subject to change without notice. Pictures of Doosan Portable Power products may show other than standard equipment.



Portable Power

