



## 900 – 1070 cfm T1 | Portable Air Compressors



**Portable Power**

## Compressor Features

- Oil-flooded screw airend
- Compressor oil filtration
  - Dual 25 micron filter are 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, insuring maximum filter life without compromising the equipment
- Flexible drive coupling
  - Isolates engine vibration from compressor for longer life

## Benefits

- 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 20°F 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 meters
- 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 curb 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             |
|-------------------------------------------------------|-------------------------|-------------------------|-------------------------|
| <b>COMPRESSOR</b>                                     |                         |                         |                         |
| Free-Air Delivery – cfm (m <sup>3</sup> /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                       |
| <b>ENGINE</b>                                         |                         |                         |                         |
| 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)             |
| <b>DIMENSIONS WITH WAGON WHEEL RUNNING GEAR</b>       |                         |                         |                         |
| 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 <small>WITHOUT FUEL</small> – lb (kg) | 13600 (6169)            | NA                      | 13900 (6305)            |
| <b>DIMENSIONS WITHOUT RUNNING GEAR</b>                |                         | <b>SKID MOUNT</b>       |                         |
| 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 <small>without Fuel</small> – lb (kg) | 12700 (5761)            | 12800 (5806)*           | 13000 (5897)            |

\* Unit weight without fuel tanks

## 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 15°F 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



## Warranty

### Standard Warranty

1-year/2,000-hour bumper to bumper

Engine: 2-year/4,000-hour

Airend: 2-year/4,000-hour

Extended Warranty: 5-year/10,000-hour on the powertrain which includes the engine, coupling, and airend with the use of Doosan filters and fluids at prescribed intervals and maintain service records and proof of purchase.

Doosan Infracore Portable Power air compressors are not designed, intended, or approved for breathing air. Compressed air should not be used for breathing air applications under any circumstances.

Nothing contained in this brochure is intended to extend any warranty or representation, expressed or implied, regarding the products described herein. Any such warranties or other terms and condition of sales shall be in accordance with standard Doosan Infracore Portable Power terms and conditions of sale for such products, which are available upon request.



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