### Cat® 3054C Turbocharged Diesel Engine

| Gross Power   | 75 kW   | 100 hp |

### Weight

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>Operating Weight</td>
<td>12 940 kg</td>
<td>28,535 lb</td>
</tr>
<tr>
<td>Heavy Weight</td>
<td>17 273 kg</td>
<td>38,000 lb</td>
</tr>
</tbody>
</table>

### Width

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Roller Width</td>
<td>1743 mm</td>
<td>69 in</td>
</tr>
</tbody>
</table>
The Cat® PS150C Pneumatic Compactor – Tested, Proven, and Reliable – Mission Capable

The Cat PS150C Pneumatic Compactor is equipped with a 100 hp turbocharged diesel engine providing excellent performance, reliability, and fuel economy. The PS150C delivers superior operational readiness for the construction of asphalt roads.

The U.S. Military Cat PS150C is also designed with transportability in mind, incorporating MIL-STD-209K lift and tiedown modifications.

Operator’s Station. The PS150C Pneumatic Compactor features excellent operator comfort and visibility. The propel lever, grouped control gauges and conveniently located control switches enhance operator productivity and reduce fatigue. An optional control console rotates to three different positions, left, right or center and allows the operator to view the front tire contact points.

Water System. The gravity water system is efficient and reliable. The system includes galvanized distribution bars over the front and rear tires and retractable nylon scrapers for each tire. A polyethylene water tank is located at the front of the machine and a water level gauge is on the tank within easy sight of the operator.

Versatility. The oscillating front and rear wheels seek out and compact soft spots. The oscillating wheels also provide even wheel loads and uniform compaction across the rolling width.

Front and rear wheels paths. The front and rear wheel paths overlap 1/2 inch to provide a full-width coverage of 69 inches to provide maximum surface compaction without missing targeted areas. The front and rear wheel bolsters also oscillate to allow uniform compaction across entire rolling width.

Machine Dimensions

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>A</td>
<td>Length</td>
<td>4.29 m</td>
</tr>
<tr>
<td>B</td>
<td>Compaction width</td>
<td>1.74 m</td>
</tr>
<tr>
<td>C</td>
<td>Height at steering wheel</td>
<td>2.32 m</td>
</tr>
<tr>
<td>D</td>
<td>Height at ROPS</td>
<td>3.0 m</td>
</tr>
<tr>
<td>E</td>
<td>Wheel base</td>
<td>3.34 m</td>
</tr>
<tr>
<td>F</td>
<td>Ground clearance</td>
<td>267 mm</td>
</tr>
<tr>
<td>G</td>
<td>Tire overlap</td>
<td>13 mm</td>
</tr>
<tr>
<td></td>
<td>Outside turning radius</td>
<td>6.45 m</td>
</tr>
<tr>
<td></td>
<td>Inside turning radius</td>
<td>4.64 m</td>
</tr>
<tr>
<td></td>
<td>Oscillation angle</td>
<td>±4.4 degrees</td>
</tr>
</tbody>
</table>
Service Capabilities. Cat field service technicians have the experience and tools necessary to service your equipment on-site. Field service trucks are fully loaded with state-of-the-art tools and diagnostic equipment as well as specifications and schematics for every Cat machine. Technical experts at the Dealership and at Caterpillar are available to provide assistance to field service technicians when needed. When on-site repair isn’t enough, Cat Dealerships are fully-equipped to service your equipment quickly.

Dealer Support. The Caterpillar global network of authorized dealers is the best in the world at providing support to keep your equipment up and running. With 99.7% of parts shipped within 24 hrs, Cat Dealers are supporting the Cat PS150C Pneumatic Compactor.

Remanufactured Parts. Cat engines and major components are designed to be remanufactured and provide multiple life cycles. Components are remanufactured in the factory to original specifications with necessary product updates.

Worldwide Locations. The Caterpillar global network of authorized dealers supports the U.S. Military in every corner of the globe. With heavy construction equipment dealers located in over 200 countries, Caterpillar’s support organization provides global coverage.

**Engine**

Four-stroke cycle, four cylinder 3054C turbocharged diesel engine. The engine meets U.S. EPA Tier 2 emissions regulations.

<table>
<thead>
<tr>
<th>Ratings at</th>
<th>RPM</th>
<th>kW</th>
<th>hp</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gross Power</td>
<td>2200</td>
<td>75</td>
<td>100</td>
</tr>
</tbody>
</table>

**Transmission**

Speed (forward and reverse):

- Low: 0 - 11 km/h (6.8 mph)
- High: 0 - 25.6 km/h (15.9 mph)

**Ballast**

Ballast Capacities

- Primary: 3.9 m³ (138 ft³)
- Secondary: 0.4 m³ (11 ft³)
- Total: 4.3 m³ (150 ft³)

**Ballast Materials**

- 0.628 m³ (1 ft³) of wet sand weighs 57 kg (125 lb)
- 0.628 m³ (1 ft³) of water weighs 28 kg (62.4 lb)

**Service Refill Capacities**

<table>
<thead>
<tr>
<th></th>
<th>L</th>
<th>gal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuel tank*</td>
<td>173</td>
<td>45.6</td>
</tr>
<tr>
<td>Cooling system</td>
<td>16.1</td>
<td>4.2</td>
</tr>
<tr>
<td>Engine oil (w/filter)</td>
<td>7.3</td>
<td>1.9</td>
</tr>
<tr>
<td>Brake</td>
<td>0.3</td>
<td>0.08</td>
</tr>
<tr>
<td>Axle</td>
<td>2.7</td>
<td>0.71</td>
</tr>
<tr>
<td>Hydraulic tank</td>
<td>54.9</td>
<td>14.5</td>
</tr>
<tr>
<td>Water (spray) tank</td>
<td>394</td>
<td>104</td>
</tr>
</tbody>
</table>

*Note: Actual fuel tank capacity is 162 L (42.8 gal)

**Steering**

Steering is hydraulic power-assist for responsive, low-effort machine handling.

Minimum turning radius:

- Inside: 4648 mm (15' 3")
- Outside: 6453 mm (21' 2")

**Wheels and Tires**

- 6 Ply: 8.50/90 x 15
- 5 wheels front, 4 wheels rear
MILITARY MODIFICATIONS

- NATO Start Receptacle
- Rifle Bracket
- External Military Paint
- C17 and C5 RO/RO Air Transportable
- Keyless Engine Start Switch

STANDARD EQUIPMENT


Operator Environment
- Gage package
- ROPS
- Fixed, non-suspension seat with 3” wide seat belt
- Vandalism protection

Electrical
- 24-volt electric starting
- 55-ampere alternator
- Two Cat maintenance free batteries
- Halogen working lights, bumper mounted (2 front-facing and 2 rear-facing)
- Backup alarm and forward warning horn
- Product Link wire-ready

Powertrain
- Cat 3054C DIT diesel engine with glow plug start aid (100HP/75 kW, four-cylinder)
- Dual element air cleaner
- Fuel filter/water separator
- Two-speed throttle switch
- Dual braking systems (service & parking)
- Hydrostatic transmission
- Direct “high” drive – no chains

Other Standard Equipment
- Locking fiberglass engine enclosure
- All wheel oscillation
- Gravity water system with distribution bars over front and rear tires and individual retractable steel tire scrapers
- Manual brake release
- Hydraulic tank cap lock
- Nine 8:50/90 x 16 6-ply bias tires
- Transport tiedown and lift points
- Power assisted steering
- 104 gal (394L) water tank capacity
- Quick connect hydraulic pressure test ports
- S-O-S™ ports: engine, hydraulic and coolant
- Coco mats
- Remote drains for all fluids

Antifreeze
- Premixed 50% concentration of Extended Life Coolant with freeze protection to –37C (-35F)

For more information visit: www.catdfp.com

All dimensions are approximate. Dimensions may vary with configuration. Specific military service configurations are available upon request.