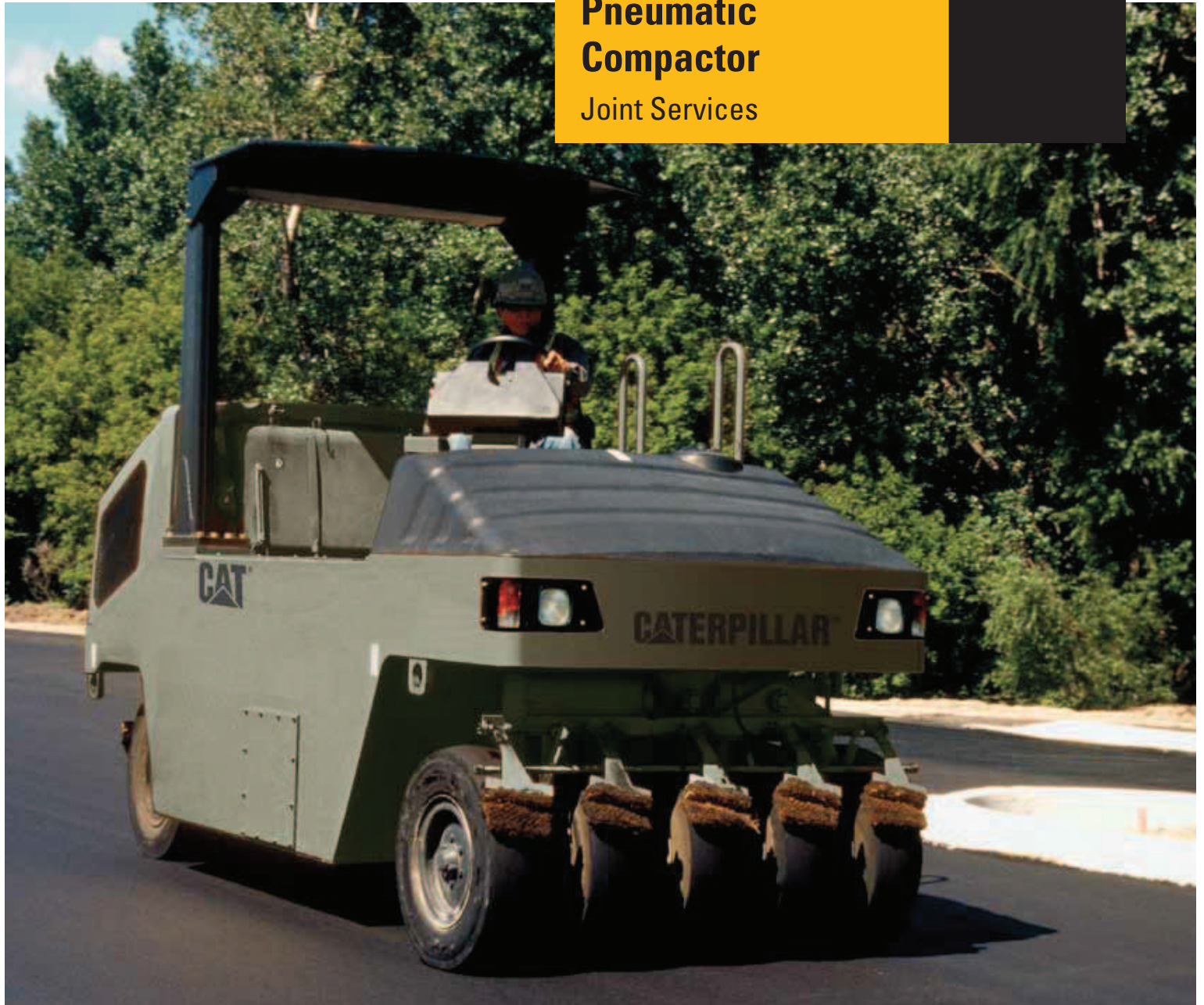


PS150C



Pneumatic Compactor

Joint Services



Cat® 3054C Turbocharged Diesel Engine

Gross Power	75 kW	100 hp
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Weight

Operating Weight	12 940 kg	28,535 lb
Heavy Weight	17 273 kg	38,000 lb

Width

Roller Width	1743 mm	69 in
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MISSION CAPABLE

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.

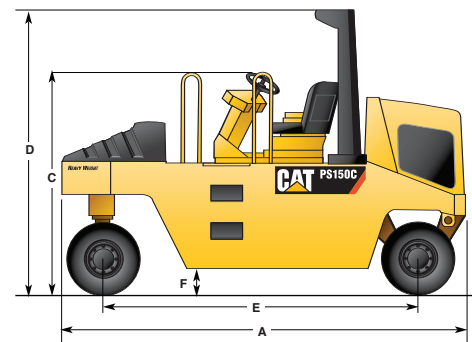
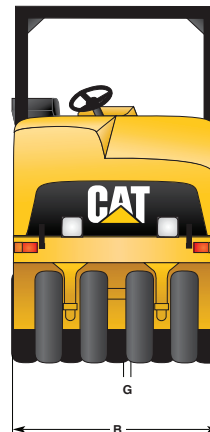
Versatility. The oscillating front and rear wheels seek out and compact soft spots. The oscillating wheels also provide even wheel loads and uniform compaction across the rolling width.

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

A Length	4.29 m	14' 1"
B Compaction width	1.74 m	5' 8"
C Height at steering wheel	2.32 m	7' 7"
D Height at ROPS	3.0 m	9' 10"
E Wheel base	3.34 m	10' 11"
F Ground clearance	267 mm	10.5"
G Tire overlap	13 mm	0.5"
Outside turning radius	6.45 m	21' 2"
Inside turning radius	4.64 m	15' 3"
Oscillation angle	±4.4 degrees	



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.



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.

Engine

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

Ratings at	RPM	kW	hp
Gross Power	2200	75	100

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 m ³ (139 ft ³)
Secondary	0,4 m ³ (11 ft ³)
Total	4,3 m ³ (150 ft ³)

Ballast Materials

0,028 m³ (1 ft³) of wet sand weighs 57 kg (125 lb)

0,028 m³ (1 ft³) of water weighs 28 kg (62.4 lb)

Service Refill Capacities

	L	gal
Fuel tank*	173	45.6
Cooling system	16,1	4.2
Engine oil (w/filter)	7,3	1.9
Brake	0,3	0.08
Axle	2,7	0.71
Hydraulic tank	54,9	14.5
Water (spray) tank	394	104

*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



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.

MILITARY MODIFICATIONS

- MIL-STD-209K Lift and Tiedown Provisions
- NATO Start Receptacle
- Rifle Bracket
- External Military Paint
- C17 and C5 RO/RO Air Transportable
- Keyless Engine Start Switch

STANDARD EQUIPMENT

Standard equipment may vary. Consult Caterpillar Defense & Federal Products for details.

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·SSM 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.

