

PS150C

Pneumatic
Compactor



Cat® 3054C Turbocharged Diesel Engine

Gross Power	75 kW	100 hp
Operating Weight	12 940 kg	28,535 lb
Heavy Weight	17 273 kg	38,000 lb
Rolling Width	1743 mm	69"

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

Ratings of Caterpillar® machine engines are based on standard air conditions of 25°C (77°F) and 99 kPa (29.32") Hg dry barometer. Power is based on using 35° API gravity fuel having an LHV of 42,780 kJ/kg (18,390 Btu/lb) when used at 30°C (86°F) [ref. a fuel density of 838.9 g/L (7.001 lb/U.S. gal)]. Net power advertised is the power available at the flywheel when the engine is equipped with fan, air cleaner, muffler and alternator.

The following ratings apply at 2,200 RPM when tested under the specified standard conditions for the specified standard:

Net Power	kW	hp
ISO 9249	72	96
SAE J1349	72	96
EEC80/1269	72	96

Dimensions

Bore	105 mm	4.13"
Stroke	127 mm	5"
Displacement	4.4 L	269 cu. in.

Dual-element, dry-type air cleaner with visual restriction indicator.

Electrical System

24-volt electrical system includes two maintenance-free Cat® batteries, color-coded and numbered wiring wrapped in nylon braid. A 55-amp alternator powers the electrical system.

Transmission

Two-speed hydrostatic propel system. Hydrostatic pump provides oil to two hydrostatic motors mounted above the drive axles. Drive shafts connect the motors to the rear axles.

A single propel lever located on the control console provides smooth hydrostatic control of the infinitely variable speeds in both forward and reverse.

Speed (forward and reverse):

Low	0 - 11 km/h (6.8 mph)
High	0 - 18.5 km/h (11.5 mph)

Wheels and Tires

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

11-wheel option

6-Ply: 8.50/90 x 15

Brakes

Service brake features

Closed-loop hydrostatic drive system provides dynamic braking during machine operation.

Secondary brake features*

Spring-applied/hydraulically released disc brakes are actuated by a switch on the control console. They are also activated automatically if pressure is lost in the brake circuit or when the engine is shut off.

**Brake systems meet SAE standard J1472 and EN500-4.*

Axles

Tractive effort is delivered to the four rear drive wheels by standard, heavy-duty axles.

Dimensions

	PS150C		w/11-wheel option	
A Length	4.29 m	14' 1"	4.29 m	14' 1"
B Compaction width	1.74 m	5' 8"	2.13 m	6' 11"
C Height at steering wheel	2.32 m	7' 7"	2.32 m	7' 7"
D Height at ROPS	3.0 m	9' 10"	3.0 m	9' 10"
E Wheel base	3.34 m	10' 11"	3.34 m	10' 11"
F Ground clearance	267 mm	10.5"	267 mm	10.5"
G Tire overlap	13 mm	0.5"	13 mm	0.5"
Outside turning radius	6.45 m	21' 2"	6.45 m	21' 2"
Inside turning radius	4.64 m	15' 3"	4.44 m	14' 7"
Oscillation angle	±4.4 degrees		±4.4 degrees*	

* Oscillation angle for outside rear wheels is 0 degrees up and 4.4 degrees down.

