



# PS-200B

Pneumatic  
Compactor



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## PS-200B

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Cat® 3054T Diesel Engine

Gross power	78 kW	105 hp
Maximum operating weight	18 145 kg	40,000 lb
Compaction width	1743 mm	69"
11-wheel option compaction width	2134 mm	84"

## Engine — PS-200B

Four-stroke cycle, four cylinder 3054T turbo-charged, diesel engine. Engine meets emissions regulations.

Ratings at	RPM	kW	hp
Gross power	2200	78	105

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	74	100
SAE J1349 JAN90	74	99
EEC80/1269	74	100

### Dimensions

Bore	100 mm	3.937"
Stroke	127 mm	5"
Displacement	4 L	243 cu. in.

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

## Axles

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

## 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.

### PS-200B Speeds (forward and reverse):

Low	0 - 11 kmph (6.8 mph)
High	0 - 19.3 kmph (12 mph)

## Brakes

### Service brake features

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

### Secondary and parking 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 Jun87 and EN500.*

## Electrical System

24-volt electrical system includes two maintenance-free Cat batteries, color-coded and numbered wiring wrapped in nylon braid. A 45-amp alternator powers the electrical system.

## Dimensions

	PS-200B	
A Length	4299 mm	14' 1"
B Compaction width	1743 mm	69"
C Height at steering wheel	2326 mm	7' 6"
D Height at ROPS	3000 mm	9' 10"
E Wheel base	3342 mm	11'
F Ground clearance	267 mm	10.5"
G Tire overlap	13 mm	0.5"
Outside turning radius	6453 mm	21' 2"
Inside turning radius	4648 mm	15' 3"
Oscillation angle	±4.4 degrees	

