

Cat[®] 216B Series 3

SKID STEER LOADER

FEATURES:

The Cat® 216B Series 3 Skid Steer Loader, with its radial lift design, delivers excellent digging performance with outstanding drawbar power. The 216B Series 3 features the following:

- Ergonomic operator station features easy to use pilot operated joystick controls for reduced operator fatigue and increased productivity.
- High performance power train provides high engine horsepower and torque, allowing part-throttle operation for lower sound levels and fuel consumption.
- Advanced hydraulic system is designed for maximum power and reliability.
- Easy routine maintenance helps reduce machine downtime for greater productivity.
- Broad range of performance matched Cat Work Tools make the Cat Skid Steer Loader the most versatile machine on the job site.

Specifications

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Engine		
Engine Model	Cat C2.2	
Gross Power SAE J1995	38 kW	51 hp
Net Power SAE 1349/ISO 9249	35 kW	47 hp
Displacement	2.2 L	134 in ³
Stroke	100 mm	3.9 in
Bore	84 mm	3.3 in
Weights*		
Operating Weight	2581 kg	5,690 lb
Power Train		
Travel Speed (Forward or Reverse)	12.7 km/h	7.9 mph
Hydraulic System		
Hydraulic Flow – Standard:		
Loader Hydraulic Pressure	23 000 kPa	3,335 psi
Loader Hydraulic Flow	61 L/min	16 gal/min
Hydraulic Power (calculated)	23.2 kW	31.1 hp

^{*}Operating Weight, Operating Specifications and Dimensions all based on 75 kg (165 lb) operator, all fluids, OROPS, 1524 mm (60 in) dirt bucket, Cat 10×16.5 tires, no optional counterweights and manual quick coupler (unless otherwise noted).

Operating Specifications*

with Optional Counterweight

Rated Operating Capacity

Rated Operating Capacity

Tipping Load	1270 kg	2,800 lb		
Breakout Force, Tilt Cylinder	1852 kg	4,083 lb		
Cab				
ROPS	SAE J1040 MAY94, ISO 3471:1994			
FOPS		SAE J/ISO 3449 APR98 Level I, ISO 3449:1992 Level I		
FOPS Level II	Level II, ISO	SAE J/ISO 3449 APR98 Level II, ISO 3449:1992 Level II (optional)		

635 kg

680 kg

Service Refill Capacities

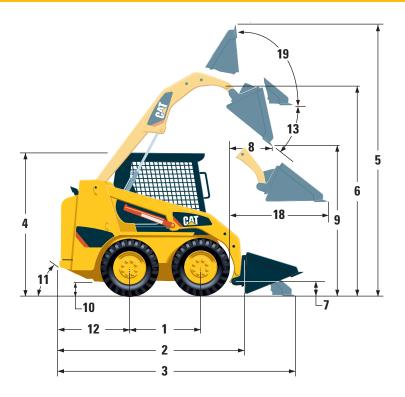
Chain Box, each side	6 L	1.6 gal
Cooling System	10 L	2.6 gal
Engine Crankcase	10 L	2.6 gal
Fuel Tank	58 L	15.4 gal
Hydraulic System	55 L	14.5 gal
Hydraulic Tank	35 L	9.2 gal

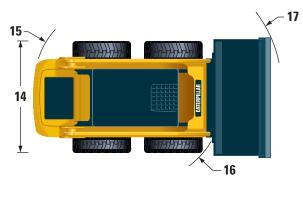


1,400 lb

1,500 lb

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Dimensions*

1 Wheelbase	986 mm	39 in	11 Departure Angle	26°	
2 Length w/o Bucket	2519 mm	99 in	12 Bumper Overhang Behind Rear Axle	967 mm	38 in
3 Length w/Bucket on Ground	3233 mm	127 in	13 Maximum Dump Angle	40°	
4 Height to Top of Cab	1950 mm	77 in	14 Vehicle Width over Tires	1525 mm	60 in
5 Maximum Overall Height	3709 mm	146 in	15 Turning Radius from Center – Machine Rear	1502 mm	59 in
6 Bucket Pin Height at Maximum Lift	2854 mm	112 in	16 Turning Radius from Center – Coupler	1195 mm	47 in
7 Bucket Pin Height at Carry Position	200 mm	8 in	17 Turning Radius from Center – Bucket	1944 mm	77 in
8 Reach at Maximum Lift and Dump	505 mm	20 in	18 Maximum Reach w/Arms Parallel to Ground	1291 mm	51 in
9 Clearance at Maximum Lift and Dump	2169 mm	85.4 in	19 Rack Back Angle at Maximum Height	81°	
10 Ground Clearance	195 mm	8 in			

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MANDATORY EQUIPMENT

- Quick Coupler, Mechanical or Hydraulic
- Seat Belt, 50 mm (2 in) or 75 mm (3 in)

COMFORT PACKAGE (must select one of the following)

- Open ROPS (C0): Static Seat
- Open ROPS (C1): Suspension Seat, Deluxe Headliner
- Enclosed ROPS (C3): Suspension Seat, Deluxe Headliner, Heater, Air Conditioner, Cab Door, Side Windows, Cup Holder, Cab Debris Barrier

CONTROL PACKAGE (must select one of the following)

- Control Package 1: On/Off Auxiliary Hydraulics Basic
- Control Package 2: Proportional Auxiliary Hydraulics Deluxe
- Control Package 3: Proportional Auxiliary Hydraulics Deluxe, Work Tool Harness

STANDARD EQUIPMENT

ELECTRICAL

- 12 volt Electrical System
- 65 ampere Alternator
- Automatic Glow Plug Activation
- Ignition Key Start/Stop Switch
- Lights: Gauge Backlighting, Two Rear Tail Lights, Two Adjustable Front and Rear Halogen Lights, Dome Light

OPERATOR ENVIRONMENT

- Gauges: Fuel Level, Hour Meter
- Operator Warning System Indicators: Air Filter Restriction, Alternator Output, Armrest Raised/Operator Out of Seat, Engine Coolant Temperature, Engine Oil Pressure, Glow Plug Activation, Hydraulic Filter Restriction, Hydraulic Oil Temperature, Parking Brake Engaged
- Vinyl Seat
- Pull Down Ergonomic Contoured Armrest
- Control Interlock System, when operator leaves seat or armrest raised: Hydraulic System Disables, Hydrostatic Transmission Disables, Parking Brake Engages
- ROPS Cab, Open, Tilt Up
- FOPS, Level I
- Top and Rear Windows
- Interior Rearview Mirror
- 12 volt Electric Socket
- Horn
- Backup Alarm

POWER TRAIN

- Cat C2.2 Diesel Engine
- Meets EU Stage IIIA equivalent and Bharat Stage III emission standards
- Air Cleaner, Dual Element, Radial Seal
- S.O.SSM Sampling Valve, Hydraulic Oil
- Filters: Spin on, Hydraulic
- Filters: Bayonet-type, Fuel and Water Separator
- Tilt Up Radiator/Hydraulic Oil Cooler
- Muffler, Standard
- Spring Applied, Hydraulically Released Parking Brakes
- Hydrostatic Transmission
- Four Wheel Chain Drive

OTHER

- Engine Enclosure, Lockable
- Extended Life Antifreeze, –36° C (–33° F)
- Machine Tie Down Points (4)
- Support, Lift Arm
- Hydraulic Oil Level Sight Gauge
- Radiator Coolant Level Sight Gauge
- Radiator, Expansion Bottle
- Cat ToughGuard[™] Hose
- Auxiliary, Hydraulics, Continuous Flow
- Heavy Duty, Flat Faced Quick Disconnects
- Split D-Ring to Route Work Tool Hoses Along Side of Left Lift Arm
- Electrical Outlet, Beacon
- Belly Pan Cleanout
- Product Link™ PL240, Cellular

OPTIONAL EQUIPMENT

- Counterweight, increases rated operating capacity 45 kg (100 lb)
- Beacon, Rotating
- Engine Block Heater 120V or 240V

- Oil, Hydraulic, Cold Operation
- Heavy Duty Battery, 880 CCA

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