

PRODUCT SPECIFICATIONS FOR 216B3



ENGINE

Gross Power - SAE J1995	38 kW
Displacement	2.2 l
Stroke	100 mm
Bore	84 mm
Engine Model	Cat C2.2
Net Power - SAE 1349/ISO 9249	35 kW

OPERATING SPECIFICATIONS

Rated Operating Capacity	635 kg
Tipping Load	1270 kg
Breakout Force - Tilt Cylinder	1852 kg
Rated Operating Capacity with Optional Counterweight	680 kg
Note	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).

WEIGHTS

Operating Weight	2581 kg
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Note	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).
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HYDRAULIC SYSTEM

Hydraulic Flow - Standard - Hydraulic Power (Calculated)	23.2 kW
Hydraulic Flow - Standard - Loader Hydraulic Pressure	23000 kPa
Hydraulic Flow - Standard - Loader Hydraulic Flow	61 l/min

CAB

ROPS	SAE J1040 MAY94, ISO 3471:1994
FOPS	SAE J/ISO 3449 APR98 Level I, ISO 3449:1992 Level I
FOPS Level II	SAE J/ISO 3449 APR98 Level II, ISO 3449:1992 Level II (optional)

SERVICE REFILL CAPACITIES

Chain Box - Each Side	6 l
Cooling System	10 l
Engine Crankcase	10 l
Fuel Tank	58 l
Hydraulic System	55 l
Hydraulic Tank	35 l

POWER TRAIN

Travel Speed - Forward or Reverse	12.7 km/h
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DIMENSIONS

Wheel Base	986 mm
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Length - With Bucket on Ground	3233 mm
Length - Without Bucket	2519 mm
Height - Top of Cab	1950 mm
Vehicle Width over Tires	1525 mm
Ground Clearance	195 mm
Departure Angle	26°
Maximum Dump Angle	40°
Bucket Pin Height - Maximum Lift	2854 mm
Reach - Maximum Lift/Dump	505 mm
Turn Radius from Center - Machine Rear	1502 mm
Bucket Pin Height - Carry Position	200 mm
Bumper Overhang - Behind Rear Axle	967 mm
Turn Radius from Center - Bucket	1944 mm
Turn Radius from Center - Coupler	1195 mm
Maximum Reach with Arms Parallel to Ground	1291 mm

Clearance at Maximum Lift and Dump	2169 mm
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Maximum Overall Height	3709 mm
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Rack Back Angle - Maximum Height	81°
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216B3 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

MANDATORY EQUIPMENT

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

216B3 OPTIONAL EQUIPMENT

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