

# Product Specifications For 216B3



## Engine

<b>Gross Power - SAE J1995:2014</b>	38 kW
<b>Displacement</b>	2.2 l
<b>Stroke</b>	100 mm
<b>Bore</b>	84 mm
<b>Engine Model</b>	Cat C2.2
<b>Net Power - SAE 1349/ISO 9249</b>	35 kW

## Operating Specifications

<b>Rated Operating Capacity</b>	635 kg
<b>Tipping Load</b>	1270 kg
<b>Breakout Force - Tilt Cylinder</b>	1852 kg
<b>Rated Operating Capacity with Optional Counterweight</b>	680 kg
<b>Note</b>	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

<b>Operating Weight</b>	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).

## Dimensions

**Wheel Base** 986 mm

**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

<b>Turn Radius from Center - Coupler</b>	1195 mm
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<b>Maximum Reach with Arms Parallel to Ground</b>	1291 mm
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<b>Clearance at Maximum Lift and Dump</b>	2169 mm
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<b>Maximum Overall Height</b>	3709 mm
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<b>Note</b>	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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<b>Rack Back Angle - Maximum Height</b>	81°
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## Cab

<b>ROPS</b>	SAE J1040 MAY94, ISO 3471:1994
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<b>FOPS</b>	SAE J/ISO 3449 APR98 Level I, ISO 3449:1992 Level I
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<b>FOPS Level II</b>	SAE J/ISO 3449 APR98 Level II, ISO 3449:1992 Level II (optional)
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## Service Refill Capacities

<b>Chain Box - Each Side</b>	6 l
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<b>Cooling System</b>	10 l
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<b>Engine Crankcase</b>	10 l
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<b>Fuel Tank</b>	58 l
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<b>Hydraulic System</b>	55 l
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<b>Hydraulic Tank</b>	35 l
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# Hydraulic System

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

Travel Speed - Forward or Reverse	12.7 km/h
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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