

Product Specifications For CS20



Weights

Operating Weight - With Cab	20220 kg
Operating Weight - With Sun Canopy	20220 kg
Weight - Drum with Cab	13612 kg
Weight - Drum with Sun Canopy	13612 kg
Note (1)	Operating weights are approximate and consider full fluids and 80 kg (176 lb) operator. Cab weights include heat and air conditioning.

Dimensions

Compaction Width	2134 mm
Overall Length	6.1 m
Overall Width	2.5 m
Maximum Height	3.1 m
Drum Diameter	1534 mm
Wheel Base	2.9 m

Engine

Gross Power	130.2 kW
Engine Power - ISO 14396	129 kW
Net Power - ISO 9249	108.5 kW

Net Power - SAE J1349:2011	107.2 kW
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Note (1)	Net power advertised is the power available at the engine flywheel when equipped with a fan at maximum speed, air cleaner, and alternator.
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Engine Model	Cat® C7.1
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Emissions	Brazil MAR-1, equivalent to U.S. EPA Tier 3 and EU Stage IIIA
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Stroke	135 mm
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Bore	105 mm
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Vibratory System

Vibratory Frequency - Standard	28 Hz
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Variable Frequency Option Range	23.3 - 28 Hz (1400-1680 vpm)
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Nominal Amplitude - High	2.1 mm
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Nominal Amplitude - Low	0.98 mm
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Centrifugal Force - Maximum	335 kN
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Centrifugal Force - Minimum	156 kN
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Static Linear Load - With Cab	63.8 kg/cm
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Static Linear Load - With Sun Canopy	63.8 kg/cm
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Operating Specifications

Ground Clearance	427 mm
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Curb Clearance	535 mm
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Turning Radius - Inside Drum Edge	3.7 m
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Travel Speed - Maximum

11.4 km/h

Service Refill Capacities

Fuel Tank Capacity

332 l

Cooling System

28.3 l

Engine Oil - With Filter

17.4 l

Eccentric Weight Housings (combined)

26 l

Axle and Final Drives

24 l

Hydraulic Tank

50 l

Sustainability

Recyclability

98%

CS20 Standard Equipment

NOTE

Standard and optional equipment may vary. Consult your Cat dealer for details.

OPERATOR ENVIRONMENT

Steel Sun Canopy with Handrails, Floor Mat, Vinyl Seat
Adjustable Seat with Integrated Console
LCD Display with Lockable Vandalism Guard
Adjustable Tilting Steering Column with Integrated Cup Holders
Rear Vision Camera System with Color Touchscreen Display
High Visibility 50 mm (2 in) Seat Belt
12-volt Power Outlet
Horn, Backup Alarm

VIBRATORY SYSTEM

Smooth Drum
Pod-Style Eccentric Weight Housings
Dual Amplitude, Single Frequency
Auto-vibe Function
Single Adjustable Steel Scraper

TECHNOLOGY SOLUTIONS

VisionLink®

POWERTRAIN

Cat® C7.1 Engine

Air Cleaner, Dual Element

Three Speed Throttle Switch including Eco-mode

Automatic Speed Control (ASC)

Dual Propel Pumps; One for Drum Drive, One for Rear Axle

Fuel Filter, Water Separator, Priming Pump, Water Indicator

Tilting Radiator / Hydraulic Oil Cooler

Dual Braking System

Two-Speed Hydrostatic Transmission

Limited Slip Differential

ELECTRICAL

24 volt Electrical System

100 ampere Alternator

750 Cold-cranking Amps Battery Capacity

OTHER

Lockable Engine Enclosure, Hydraulic and Fuel Tanks

Sight Gauges for Hydraulic Oil Level and Radiator Coolant Level

S·O·SSM Sampling Values: Engine Oil, Hydraulic Oil, and Coolant

Halogen Working Lights (4)

CS20 Optional Equipment

NOTE

Standard and optional equipment may vary. Consult your Cat dealer for details.

OPERATOR ENVIRONMENT

ROPS/FOPS Cab with Climate Control, Cloth Seat, Exterior Rear View Mirrors

Sun Visor (Cab)

Roll-Down Screen (Cab)

VIBRATORY SYSTEM

Removable Shell Kit - Oval or Square Pads

Variable Frequency

Dual Adjustable Steel Scrapers

Dual Adjustable Polyurethane Scrapers

TECHNOLOGY SOLUTIONS

Measure - Machine Drive Power (MDP)

Measure - Compaction Meter Value (CMV)

POWERTRAIN

Transmission Guard

OTHER

Halogen Working Lights (8)

Amber Rotating Beacon