

Product Specifications For CS12



Weights

Operating Weight - With Cab	11743 kg
Operating Weight - With Sun Canopy	11065 kg
Operating Weight - With ROPS/FOPS Canopy	11542 kg
Weight - Drum with Cab	6348 kg
Weight - Drum with Sun Canopy	6165 kg
Weight - Drum with ROPS/FOPS Canopy	6256 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	5.9 m
Overall Length - With Blade Option	6.4 m
Overall Width	2.3 m
Overall Width - With Blade Option	2.5 m
Maximum Height	3.1 m
Drum Diameter	1534 mm
Optional Blade Height	683 mm

Wheel Base

2.9 m

Engine

Gross Power	117.5 kW
Engine Power - ISO 14396	116.1 kW
Net Power - ISO 9249	98.2 kW
Net Power - SAE J1349:2011	97 kW
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.
Engine Model	Cat® C7.1
Emissions	U.S. EPA Tier 3, EU Stage IIIA equivalent
Stroke	135 mm
Bore	105 mm

Vibratory System

Vibratory Frequency - Standard	30.5 Hz
Variable Frequency Option Range	23.3 - 30.5 Hz (1400-1830 vpm)
Nominal Amplitude - High	2.1 mm
Nominal Amplitude - Low	0.98 mm
Centrifugal Force - Maximum	301 kN
Centrifugal Force - Minimum	141 kN

Static Linear Load - With Cab	29.7 kg/cm
Static Linear Load - With Sun Canopy	28.9 kg/cm
Static Linear Load - With ROPS/FOPS Canopy	29.3 kg/cm

Operating Specifications

Ground Clearance	433 mm
Curb Clearance	492 mm
Turning Radius - Inside Drum Edge	3.7 m
Travel Speed - Maximum	11.4 km/h

Service Refill Capacities

Fuel Tank Capacity	242 l
Cooling System	31.9 l
Engine Oil - With Filter	17.4 l
Eccentric Weight Housings (combined)	26 l
Axle and Final Drives	18 l
Hydraulic Tank	50 l

Sustainability

Recyclability	97%
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CS12 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)

CS12 Optional Equipment

NOTE

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

OPERATOR ENVIRONMENT

ROPS/FOPS Canopy with Handrails, Floor Mat, Vinyl Seat

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

Leveling Blade

TECHNOLOGY SOLUTIONS

Measure - Machine Drive Power (MDP)

Measure - Compaction Meter Value (CMV)

POWERTRAIN

Transmission Guard

OTHER

Halogen Working Lights (8)

Amber Rotating Beacon