

# Product Specifications For CS19



## Weights

|                                    |          |
|------------------------------------|----------|
| <b>Operating Weight - With Cab</b> | 41641 lb |
|------------------------------------|----------|

|                               |          |
|-------------------------------|----------|
| <b>Weight - Drum with Cab</b> | 29637 lb |
|-------------------------------|----------|

**Note (1)** Operating weights are approximate and consider full fluids and 80 kg (176 lb) operator. Cab weights include heat and air conditioning.

## Dimensions

|                         |       |
|-------------------------|-------|
| <b>Compaction Width</b> | 84 in |
|-------------------------|-------|

|                       |         |
|-----------------------|---------|
| <b>Overall Length</b> | 20.1 ft |
|-----------------------|---------|

|                      |        |
|----------------------|--------|
| <b>Overall Width</b> | 8.1 ft |
|----------------------|--------|

|                       |         |
|-----------------------|---------|
| <b>Maximum Height</b> | 10.2 ft |
|-----------------------|---------|

|                      |         |
|----------------------|---------|
| <b>Drum Diameter</b> | 60.4 in |
|----------------------|---------|

|                   |        |
|-------------------|--------|
| <b>Wheel Base</b> | 9.5 ft |
|-------------------|--------|

## Engine

|                    |          |
|--------------------|----------|
| <b>Gross Power</b> | 175.7 hp |
|--------------------|----------|

|                                 |          |
|---------------------------------|----------|
| <b>Engine Power - ISO 14396</b> | 173.5 hp |
|---------------------------------|----------|

|                             |          |
|-----------------------------|----------|
| <b>Net Power - ISO 9249</b> | 147.1 hp |
|-----------------------------|----------|

|                                   |          |
|-----------------------------------|----------|
| <b>Net Power - SAE J1349:2011</b> | 145.2 hp |
|-----------------------------------|----------|

**Note (1)** Net power advertised is the power available at the engine flywheel when equipped with a fan at maximum speed, air cleaner, clean emissions module, and alternator.

|                     |                                   |
|---------------------|-----------------------------------|
| <b>Engine Model</b> | Cat® C4.4                         |
| <b>Emissions</b>    | U.S. EPA Tier 4 Final, Japan 2014 |
| <b>Stroke</b>       | 5 in                              |
| <b>Bore</b>         | 4.1 in                            |

## Vibratory System

|  |                              |
|--|------------------------------|
| <b>Vibratory Frequency - Standard</b>  | 1680 VPM                     |
| <b>Variable Frequency Option Range</b> | 23.3 - 28 Hz (1400-1680 vpm) |
| <b>Nominal Amplitude - High</b>        | 0.083 in                     |
| <b>Nominal Amplitude - Low</b>         | 0.039 in                     |
| <b>Centrifugal Force - Maximum</b>     | 75234 lb                     |
| <b>Centrifugal Force - Minimum</b>     | 35163 lb                     |
| <b>Static Linear Load - With Cab</b>   | 348.8 lb/in                  |

## Operating Specifications

|  |            |
|--|------------|
| <b>Ground Clearance</b>                  | 16.8 in    |
| <b>Curb Clearance</b>                    | 21.1 in    |
| <b>Turning Radius - Inside Drum Edge</b> | 12.1 ft    |
| <b>Travel Speed - Maximum</b>            | 7.1 mile/h |

## Service Refill Capacities

|   |               |
|---|---------------|
| <b>Fuel Tank Capacity</b>                   | 81.1 gal (US) |
| <b>DEF Tank</b>                             | 5 gal (US)    |
| <b>Cooling System</b>                       | 7.4 gal (US)  |
| <b>Engine Oil - With Filter</b>             | 3.1 gal (US)  |
| <b>Eccentric Weight Housings (combined)</b> | 6.9 gal (US)  |
| <b>Axle and Final Drives</b>                | 6.3 gal (US)  |
| <b>Hydraulic Tank</b>                       | 13.2 gal (US) |

## Sustainability

|                      |     |
|----------------------|-----|
| <b>Recyclability</b> | 96% |
|----------------------|-----|

## CS19 Standard 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  
 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® C4.4 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·S<sup>SM</sup> Sampling Values: Engine Oil, Hydraulic Oil, and Coolant  
Halogen Working Lights (4)

## **CS19 Optional Equipment**

## **NOTE**

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

## **OPERATOR ENVIRONMENT**

Sun Visor (Cab)  
Roll-Down Screen (Cab)  
High Visibility 76 mm (3 in) Seat Belt

## **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)

Command for Compaction

## **POWERTRAIN**

Transmission Guard

## **OTHER**

Factory Filled Bio-Hydraulic Oil

Halogen Working Lights (8)

Amber Rotating Beacon