



PRODUCTION-CLASS VIBRATORY SOIL COMPACTORS

10-19 METRIC TON (11-21 U.S. TON)



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**PRODUCTION-CLASS
MODELS***



- CS/CP54B**
- CS/CP56B**
- CS64B**
- CS66B**
- CS/CP68B**
- CS/CP74B**
- CS76B**
- CS78B**



* Some machines are not available in all markets. Consult your Cat Dealer for availability in your region.

UNDERNEATH IT ALL

CONFIDENCE. Leveraging our vast experience in the earth moving industry, Caterpillar has produced a line of vibratory soil compactors that provide contractors around the world with the confidence to know that the base they build will support their project.

VERSATILITY. A machine needs to work to earn its keep. Cat® Vibratory Soil Compactors are well equipped to perform a wide range of applications. Options like padfoot shell kits, leveling blades and Cat Compaction Control add capability, making your Cat Vibratory Soil Compactor the machine of choice no matter what the application requires.

PRODUCTIVITY. Cat Vibratory Soil Compactors don't simply keep up— they push the pace, ensuring that you meet your commitments no matter how challenging the work.

QUALITY. All of that production does not come at the expense of high quality, uniform compaction. Cat Vibratory Soil Compactors make it easier for your operator to maintain exceptional work quality even during the most demanding schedules.

VALUE. Extended service intervals provide cost-savings through increased uptime and extended intervals between fluid and filter replacements.

RELIABILITY. The machines feature proven designs, and components are built to last.

Confidence. Versatility. Productivity. Quality. Value. Reliability.

UNDERNEATH IT ALL: EXCELLENCE.



CAT® VIBRATORY SOIL COMPACTORS DELIVER

Cat Vibratory Soil Compactors feature more weight, increased amplitude and advanced technology to help you quickly reach target density. Long service intervals reduce the use of consumables and keep the machines running day after day, from dawn to dusk. And legendary Cat durability provides a high resale value when the time comes for replacement.

SUPERIOR COMPACTION PERFORMANCE

- More weight at the drum
- Higher amplitude
- Proven, reliable Cat pod-style vibratory system
- Auto-vibe function provides greater compaction uniformity
- Automatic Speed Control makes it easy to maintain consistent impact spacing for uniform compaction

TECHNOLOGY ENSURES QUALITY, EFFICIENCY

- Cat Compaction Control compaction measurement technology eliminates the need to rely on human intuition, while potentially reducing the amount of equipment and the number of people required on the job site. Cat Compaction Control has solutions that work with all compactors on all soil types
- Automated systems—Auto-vibe, Eco-mode, Automatic Speed Control—ensure consistency, quality and efficiency

OUTSTANDING OPERATOR COMFORT

- Operating station adjusts to suit operator comfort
- Integrated display and console provide fingertip access to settings, operating information and diagnostics
- Excellent visibility is enhanced with larger mirrors
- Redesigned ROPS/FOPS cab with excellent climate control

EXCELLENT SERVICEABILITY

- Visual indicators provide instant visual information during routine service checks
- Self diagnostics monitor operation and alert operator to unusual performance
- Long service intervals minimize operating costs
- Extensive Cat Dealer support services are unrivaled in industry

CAT C4.4 ENGINE WITH ACERT™ TECHNOLOGY

- Meets Tier 4 Interim/Stage IIIB emissions standards
- Requires minimal maintenance
- Eco-mode reduces fuel use under normal operating conditions
- Automatic Speed Control function improves compaction consistency

Cat® Vibratory Soil Compactors leverage our deep expertise in earth moving to provide you with the features and performance you need for success and growth. Rely on Cat for uniform compaction that meets specification, every time.



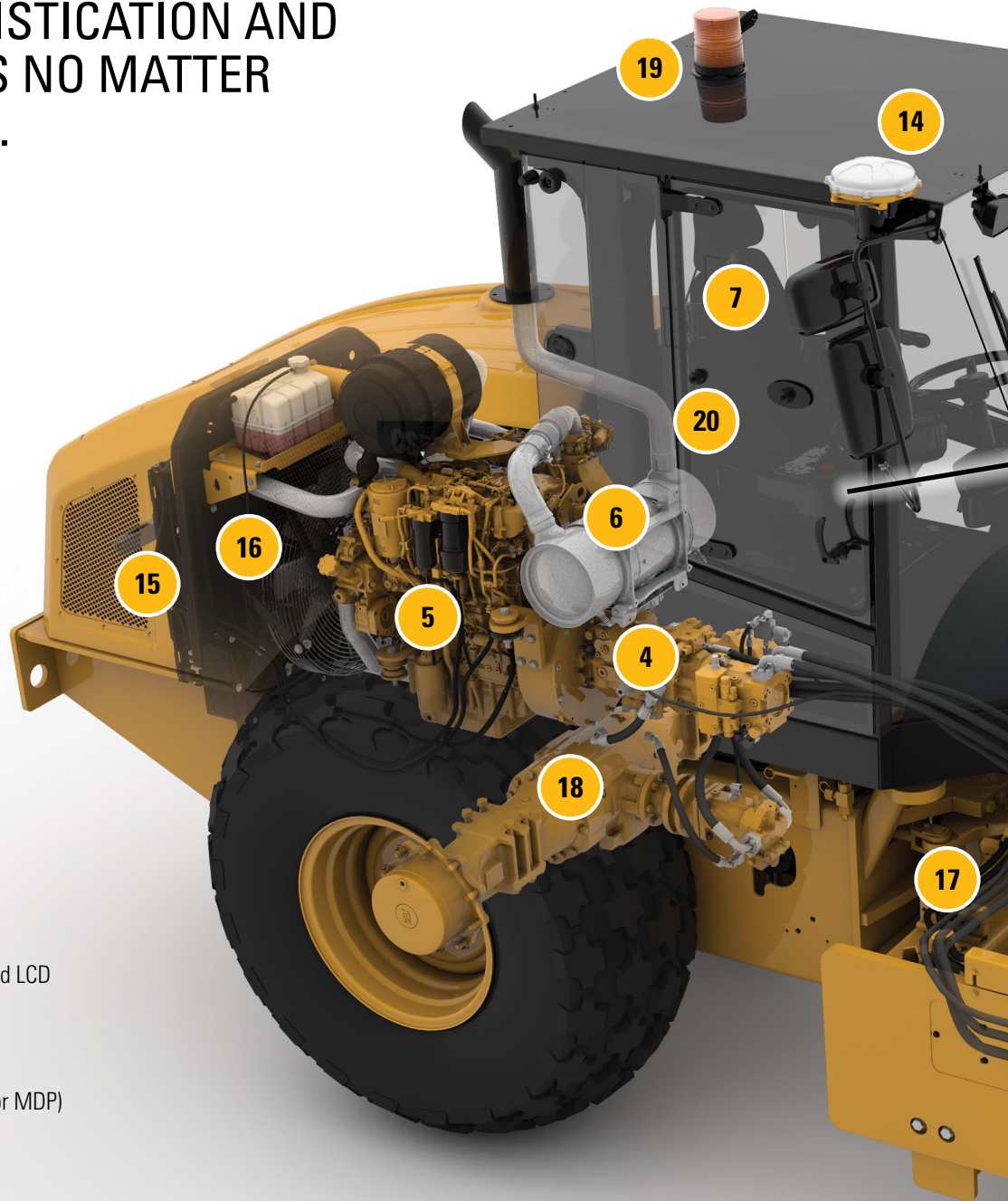
FLAT-OUT VALUE

PROVEN PRODUCTIVITY, RELIABILITY, DURABILITY.



WORLD-CLASS

INGENUITY, SOPHISTICATION AND
PROVEN SYSTEMS NO MATTER
WHERE YOU LOOK.



1. Smooth Drum (padfoot shell kit option; padfoot drum configuration available)
2. Cat® Pod-style Vibratory System
3. ROPS/FOPS Cab
4. Dual Pump Propel System
5. Cat C4.4 Engine with ACERT
6. Diesel Particulate Filter (DPF)
7. Pivoting Operator's Seat with Integrated LCD Display and Control Console
8. Universal Bumper
9. Leveling Blade (option)
10. Cat Compaction Control (option; CMV or MDP)
11. Eco-mode
12. Automatic Speed Control
13. Auto-vibe
14. Cat Compaction Control GNSS Mapping (option)
15. Tilting Oil Cooler and Condenser
16. Variable speed fan
17. Maintenance-free Hitch
18. Limited-slip Differential
19. Rotating Amber Beacon (option)
20. Product Link (option)

PADFOOT DRUM AND PADFOOT SHELL KIT OPTIONS

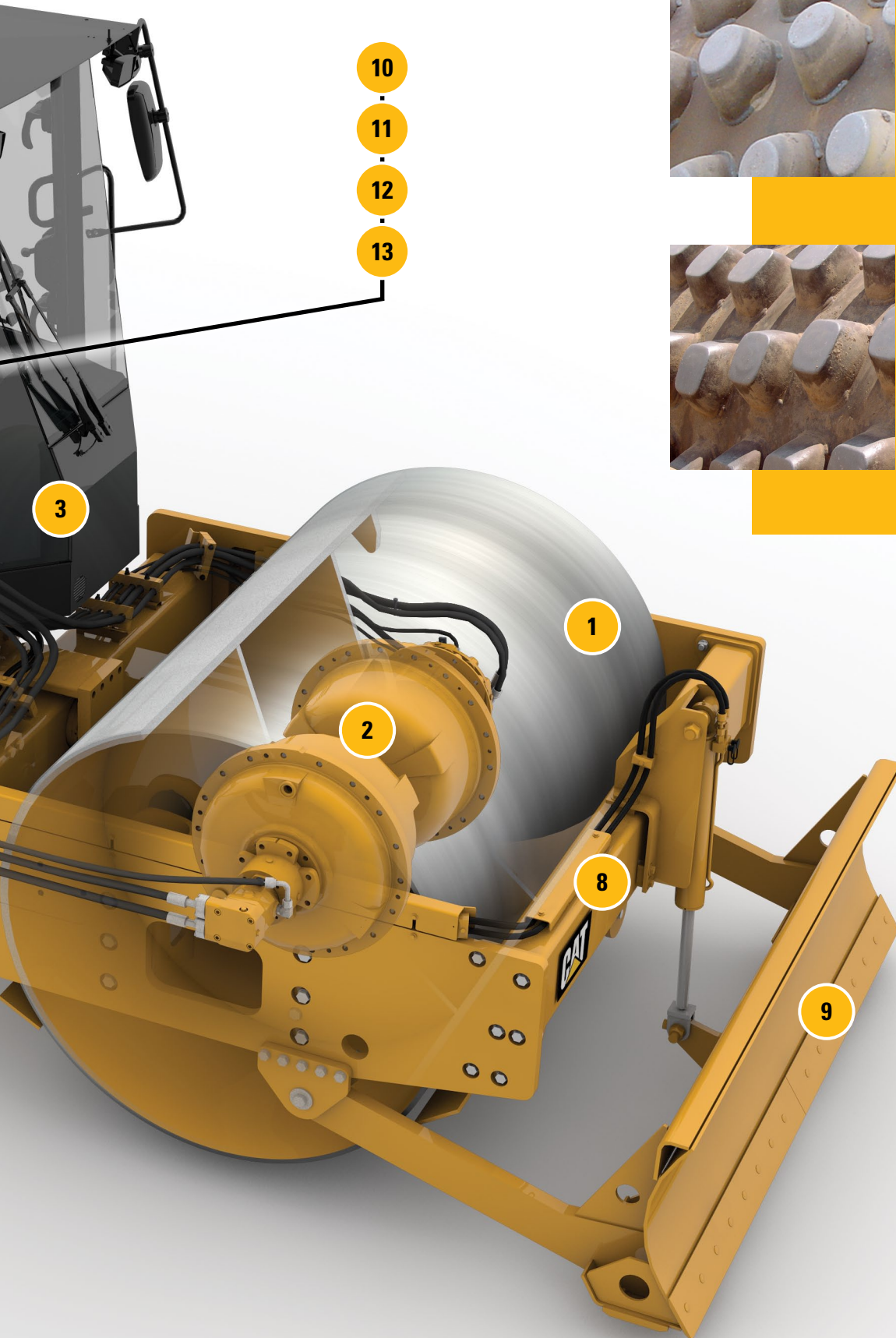
OVAL-FACED PAD DESIGN

- Produces superior thick-lift compaction results by penetrating deeper into the lift
- Tapered design introduces horizontal compaction force and inhibits material accumulation between pads



SQUARE-FACED PAD DESIGN

- Produces good thin-lift compaction results
- Provides best surface sealing



PACK A PUNCH

ACHIEVE QUALITY COMPACTION FASTER.



DONE RIGHT, DONE NOW

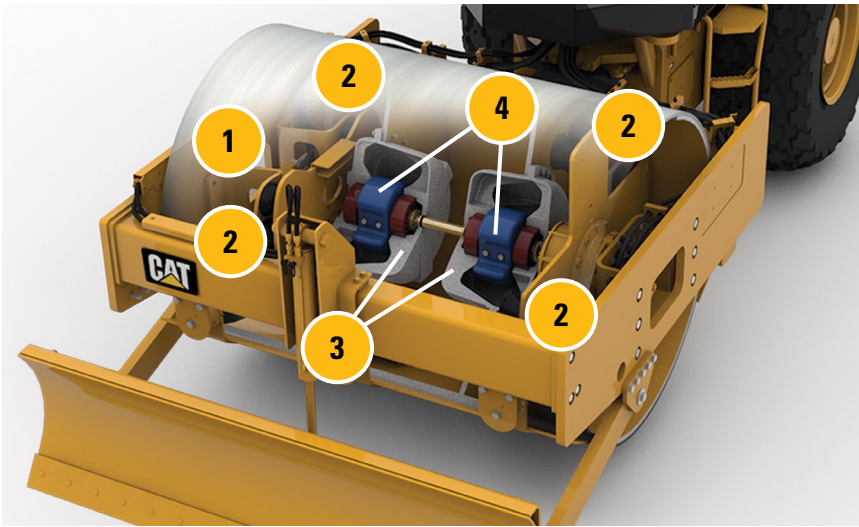
Cat Vibratory Soil Compactors quickly reach target compaction because of optimized weight and amplitude. Built-in technology helps make it easy to produce uniform, high-quality compaction consistently.

ENHANCED COMPACTION PERFORMANCE

- Weight at the drum optimized for maximum performance
- Increased amplitude provides greater compactive power
- Automatic Speed Control feature makes it easier to maintain consistency by eliminating machine speed as a variable
- Auto-vibe function optimizes compaction uniformity
- Optional compaction measurement systems maximize efficiency and help ensure quality

CAT POD-STYLE VIBRATORY SYSTEM

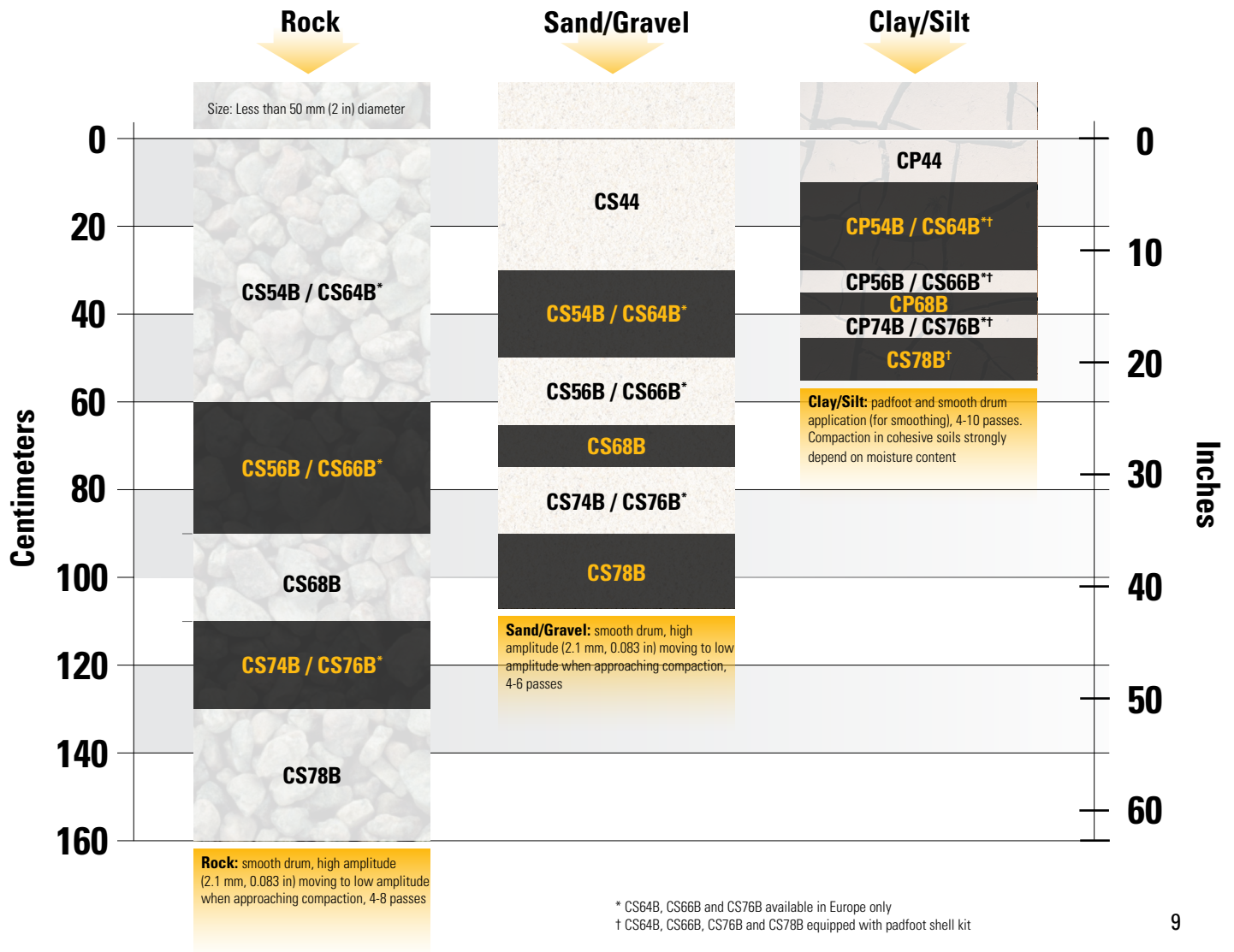
- Virtually maintenance free: 3 year/3,000 hour vibratory bearing oil change; no scheduled oil sampling necessary
- Exclusive eccentric weight provides high reliability, smooth performance and low noise
- Optional variable frequency maximizes compaction performance while Eco-mode is engaged, providing reduced fuel consumption without sacrificing compaction performance



- | | | |
|-----------------------------------|------------------------------------|----------------------|
| 1. Vibratory system motor | 4. Exclusive Cat Eccentric Weights | 7. Auto-vibe Control |
| 2. Iso-mounts | 5. Frequency Selection | |
| 3. Cat Pod-style Vibratory System | 6. Amplitude Selection | |

Compaction Depth for Vibratory Soil Compactors

Assumes density specification is 95% of Standard Proctor and can vary substantially due to different soil conditions.



COMPACTION MEASUREMENT TECHNOLOGY

GOING BEYOND
OPERATOR INTUITION.



KEY BENEFITS OF CAT® COMPACTION CONTROL TECHNOLOGY

- Helps crews avoid costly rework
- Prevents reliance on operator intuition
- Reduces the need for proof rollers*
- Mapping system can enhance night-time capabilities by providing visual reference of operation*
- Accounts for every square meter/foot on a job site*
- Machine Drive Power works on all compactor configurations and works on all soil types: cohesive, semi-cohesive and granular
- Data tracking helps find hidden efficiencies*

* With GNSS Mapping option

CAT COMPACTION CONTROL

Cat Compaction Control improves quality and efficiency by providing information that enables the operator to determine when compaction meets specifications. The system can be scaled from a simple real-time compaction readout to a fully featured data mapping capability. Solutions to fit your needs, able to grow with you.

FEATURES

- Two compaction measurement technologies are available: Compaction Meter Value (CMV) or Cat exclusive Machine Drive Power (MDP)
- Factory integrated components and console display unit
- Can be augmented with mapping capability by adding an SBAS Global Navigation Satellite System (GNSS) mapping antenna and a dedicated display unit
- An available RTK GNSS mapping capability provides greater accuracy than SBAS



MACHINE DRIVE POWER (MDP)

- An exclusive technology only available from Caterpillar
- Indicates soil stiffness by measuring rolling resistance
- Available on all Cat B-Series vibratory soil compactors—padfoots, smooth drums and smooth drums with padfoot shell kits
- Can be used on all soil types, cohesive and non-cohesive
- Measures what matters, closer to depth of the lift of materials being compacted, around 30-60 cm (1-2 ft) deep
- Measurement depth allows results to be more easily correlated with portable measuring equipment such as lightweight falling deflectometers and nuclear gauges
- Functions with static or vibrating drum
- Reduces risk of over-compaction when used for proof rolling because it does not require drum vibration

COMPACTION METER VALUE (CMV)

- An accelerometer-based measurement system for granular soils available on smooth-drum soil compactors
- Functioning while the drum vibrates, it measures deep into the ground, typically greater than one meter (3.3 ft) depending on the soil composition, providing a picture of what is beneath the surface
- Can reveal the location of hidden anomalies (such as buried objects, rocks, clay balls) or areas of poor compaction
- Can indicate the need for more moisture to aid compaction

POWER TRAIN

PROVEN GRADEABILITY, TRACTION DEPENDABILITY.

BUILT TO LAST

Production-class Cat Vibratory Soil Compactors are powered by a Cat C4.4 engine with ACERT Technology. The engine delivers the power required on challenging job sites. And don't forget durability: Tough components help extend compactor life.

CAT C4.4 WITH ACERT™ TECHNOLOGY: OPTIMIZED FOR POWER AND EFFICIENCY

CS/CP54B, CS64B

98 kW (131 hp)

CS/CP56B, CS66B, CS/CP68B

117 kW (157 hp)

CS/CP74B, CS76B, CS78B

129.5 kW (173.7 hp)

Gross power: ISO 14396

Rated Speed: 2,200 rpm

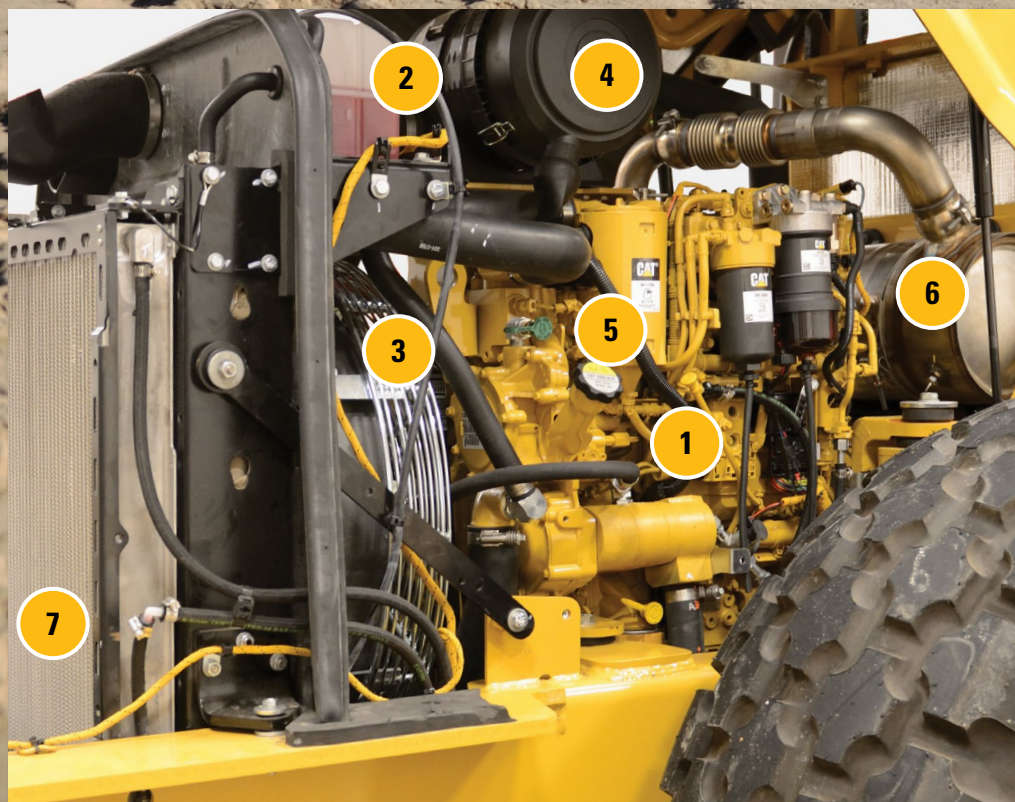
POWER WHERE YOU NEED IT

- Dual-pump propel system provides separate, balanced flow to the rear axle motor and drum drive motor
- Exceptional gradeability and tractive effort in both forward and reverse
- Limited-slip differential provides steady power in soft or slippery conditions by transferring torque to the wheel with better traction
- Low-effort lever on the right side of the control console provides simple propel control in forward and reverse
- Top speed, forward and reverse, is 11.4 km/h (7 mph)*

ADVANCED ENGINE

- Electronic Control Module (ECM) provides optimal performance through precisely synchronized timing and fuel delivery
- ECM enables self-diagnostics that can alert the operator to abnormal performance via the LCD display. Advanced troubleshooting and diagnostic capabilities can be conducted using Electronic Technician (Cat ET)
- Easy access to entire engine compartment and cooling module for simple, fast servicing
- Meets EPA Tier 4 Interim and European EU Stage IIIB emissions standards





1. Cat C4.4 Engine with ACERT™ Technology
2. Coolant Reservoir
3. Variable Speed Fan
4. Air Filter
5. Oil Fill
6. Diesel Particulate Filter (DPF)
7. Tilting Oil Cooler

OPERATOR COMFORT

ENHANCED OPERATOR STATION BOOSTS OPERATOR PERFORMANCE.

COMFORT MATTERS

Cat Vibratory Soil Compactors are built for extreme operating conditions, but your operators aren't. That's why comfort is built into every model. Comfort keeps your operators alert, which enhances productivity and safety. Comfortable equipment also helps you retain key employees, avoiding additional training and hiring costs.

OPERATOR'S STATION

- Controls and LCD Display integrated with pivoting adjustable seat move with the operator
- Vinyl seat for ROPS/FOPS configurations; cloth for ROPS/FOPS cab equipped machines
- Optional deluxe high back air-ride seat (cab only)
- Vibration-absorbing floor mat
- 12-volt power receptacle, supports communication devices
- Comfortable seat belt
- Cup holders offer convenience

EXCEPTIONAL VISIBILITY AND COMFORT

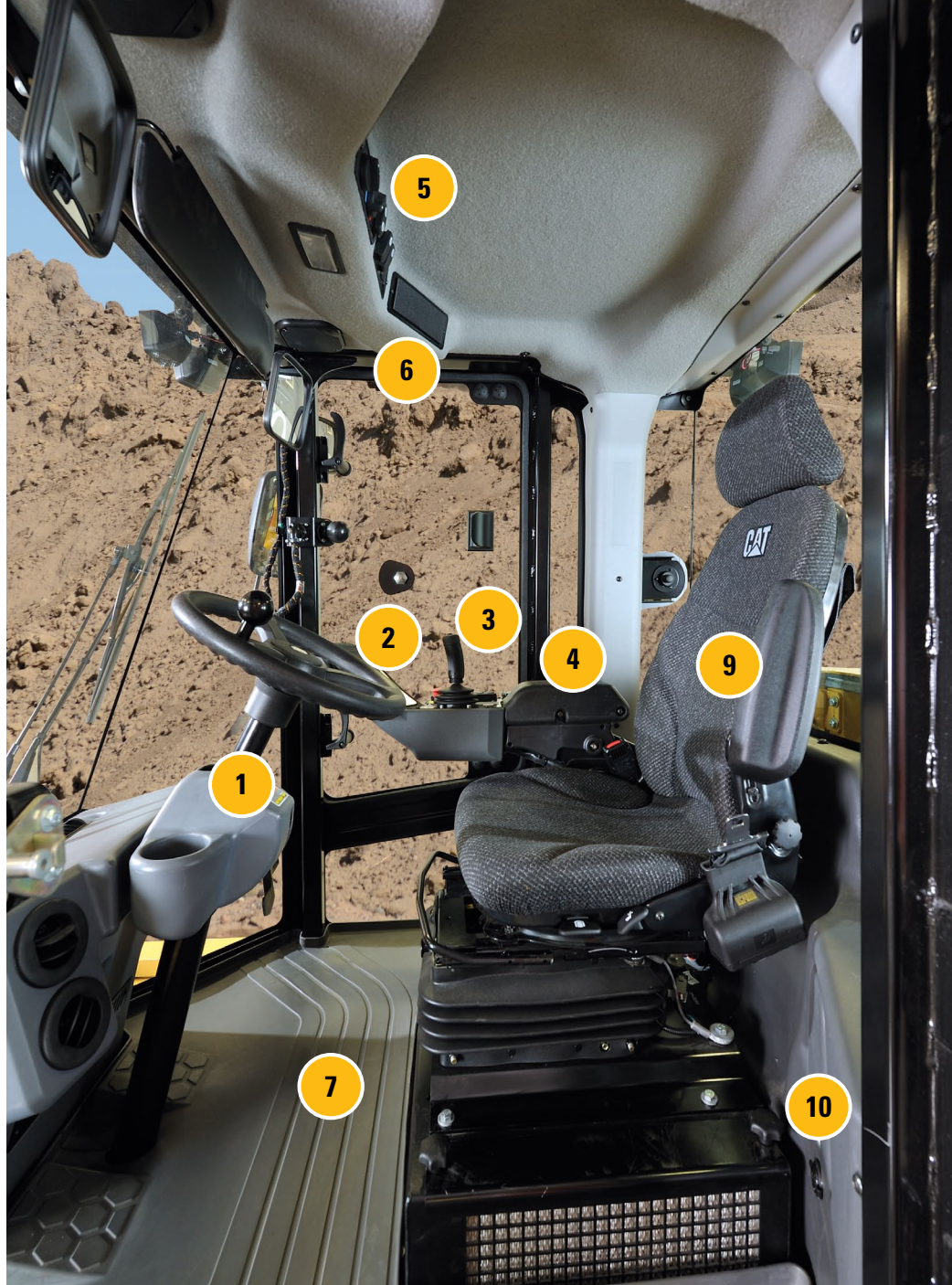
- Unimpeded views to drum edges and rear tires
- Multiple large mirrors provide wide views to rear
- Standard light package provides excellent lighting; optional upgraded light package enhances overall illumination
- Low machine noise, low vibration transfer to operator
- Tilting console and adjustable seats conform to operator
- Cab features excellent climate control, with heater and air conditioning
- Cab equipped with new swing-out windows that provide excellent cross ventilation



Good visibility enables effective communication and promotes alertness. Long hours of operation can take a toll on operators. That's why Caterpillar designs operating stations that provide excellent control, visibility and comfort.

The redesigned cab includes controls and a multi-function LCD display that are integrated with the pivoting adjustable seat. A deluxe, high-back, air-ride seat is available. Climate control is outstanding.

1. Tilting Steering Console with Cup Holders
2. Multi-function LCD Display
3. Electronic Propel Lever with Vibe System Activation Button (and optional leveling blade control)
4. Control Console
5. Climate Control
6. Radio-ready
7. Floor Mat
8. Vinyl Pivoting Operator's Seat
9. Optional Deluxe Air-ride Operator's Seat with High Back (Cab Only)
10. 12-volt Power Outlet





FINGERTIP CONTROL

WORK WITH CONFIDENCE.

The multi-function LCD display provides digital instrumentation, self-diagnostics and real-time basic compaction measurement (optional), keeping the operator informed for better overall job site performance.

UNDER CONTROL

The newly designed console for Cat Vibratory Soil Compactors is convenient, helping operators quickly find what they need, when they need it. The intuitive feel gives operators the confidence they need to leverage the technology, and associated productivity, built into the machines.



LCD DISPLAY

- Multiple functions, including machine data, diagnostics and readout for optional Cat Compaction Control
- Integrated with seat, so it remains in same position even as the seat pivots
- Lockable anti-vandalism cover for ROPS/FOPS configured machines
- Back-lit for high visibility in all light conditions

CONVENIENT CONSOLE

- Controls are integrated with the seat, always at fingertips
- Soft keys and toggles are easy to operate
- Emergency Stop button is easy to reach and engage



OPTIONS

ENHANCE VERSATILITY, PRODUCTIVITY, COMFORT.

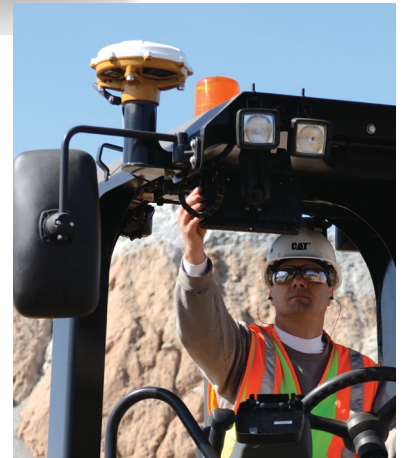
Optional equipment allows you to customize the performance of your Cat Vibratory Soil Compactor to meet the specific needs of your application.

PADFOOT SHELL KIT

A padfoot shell kit is available for all smooth drum models, including the CS54B, CS56B, CS64B, CS66B, CS68B, CS74B, CS76B and CS78B. The padfoot shell kit provides versatility by allowing a smooth drum machine to compact semi-cohesive and cohesive materials. The kit comes with interchangeable smooth drum and padfoot scrapers. Oval pad design and square pad design are available.

PRODUCT LINK

The optional Product Link system provides accurate, timely and useful information about the location, utilization and condition of your equipment. The system streamlines diagnostic efforts, maintenance scheduling, and costs by providing communication flow of vital machine data and location information between the dealer and customer.





LEVELING BLADE

A leveling blade is available for padfoot drum models CP56B, CP68B, and CP74B, and smooth drum models CS56B, CS66B, CS68B, and CS74B. The blade features a new bolt-on design, allowing its removal and reinstallation. The universal bumper design provides this capability. The leveling blade is controlled via buttons on the propel lever. There is a button for UP, DOWN and FLOAT functions.

OTHER OPTIONS*

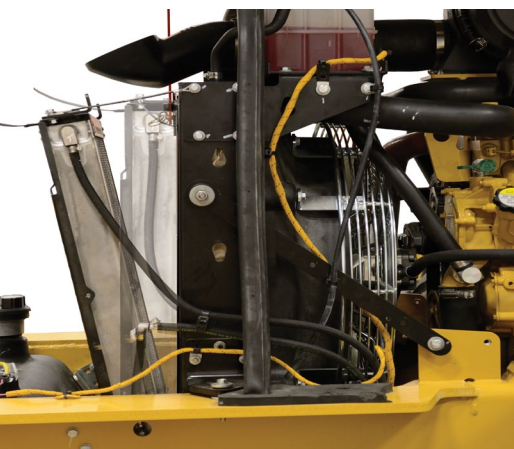
- Cat Compaction Control (see pages 10-11)
- Bio Oil Factory Fill
- Transmission Guard
- Upgraded Lighting Package
- Rear Steel Scraper (Smooth Drum)
- Polyurethane Scrapers (front and rear, Smooth Drum)
- Rotating Beacon
- Axle Brakes
- Air Ride High Back Cloth Seat (for cab only)
- Cab, heat only
- Italian Road Homologation (IRH)
- Recording Module

* Some options not available in some areas. Consult your Cat dealer for specifics.



SERVICEABILITY

LONG INTERVALS AND SHORT REACHES.



MAXIMIZE UPTIME

Routine service on Cat Vibratory Soil Compactors is conducted from the right side of the machine, with key components within easy reach from the ground. The durable one-piece hood tilts forward quickly and easily for exceptional access to the engine and cooling system. Of course the most convenient—and least costly—service of all is that which can be avoided. That's why these compactors feature long service intervals and a no-maintenance hitch.

FEATURES

- Self-diagnostics via the Electronic Control Modules (ECMs)
- Detects if system performance drops below normal levels and alerts the operator
- Vibratory system scheduled oil change interval is 3 years/3,000 hours, increasing uptime and reducing owning and operating costs
- Hydraulic oil service interval is 3,000 hours, with the filter positioned externally beneath the operator's platform for easy access
- Engine oil service interval is every 500 hours
- Cooling package tilts for easy cleaning
- Hitch features sealed-for-life bearings that never need greasing
- Visual indicators provide instant daily fluid level readings
- Easy, clean oil sampling prevents unnecessary fluid changes



RESOURCEFUL

IN EVERY WAY.

Leveraging technology and innovation to increase efficiency and productivity with less impact on the environment; and helping our customers do the same .

SUSTAINABILITY BENEFITS BUILT INTO EVERY MACHINE

- Cat C4.4 engine with ACERT Technology meets U.S. EPA Tier 4 Interim and EU Stage IIIB emissions standards
- Eco-mode reduces fuel consumption
- Extended service intervals for fluids and filters
- Cat Compaction Control maximizes efficiency
- Enhanced weight distribution and amplitude reduce number of passes required
- Robust engine block and components increase life and reduce noise levels
- Large cooling package reduces oil deterioration and varnishing of internal components as well as operating temperatures
- Ecology drains reduce the risk of spills when draining machine fluids



TRAINING

MANPOWER SOLUTIONS OPTIMIZE YOUR INVESTMENT.

SAFER, MORE PRODUCTIVE JOB SITES

Training is an investment in the sustainability of your crew. Training teaches safe practices, and delivers additional benefits—including proper machine utilization. Training helps you get the most out of your employees and helps you maximize the value of your machine investment.

TRAINING OPTIONS

- Most training can occur on the job site, at your business, at the Cat Dealer, or at Caterpillar facilities
- Training is available for individuals or entire crews, helping each understand their roles and how they fit into the productivity profile of the entire job site
- Most programs are designed to help participants share their newfound knowledge with other crew members
- Contact your Cat Dealer for more information about all training programs

PADFOOT DRUM SPECIFICATIONS

	CP54B	CP56B	CP68B	CP74B
Operating Weight				
Machine with ROPS/FOPS - (kg (lb))	10 935 (24,096)	11 465 (25,264)	–	–
Weight at the drum with ROPS/FOPS - kg (lb)	6300 (13,887)	6365 (14,026)	–	–
Machine with CAB - kg (lb)	11 135 (24,539)	11 665 (25,707)	14 685 (32,370)	16 355 (36,048)
Weight at the drum with CAB - kg (lb)	6395 (14,092)	6455 (14,231)	9250 (20,387)	10 725 (23,633)
Machine Dimensions				
Overall length - m (ft/in)	5.85 (19' 2")	5.86 (19' 3")	6.05 (19' 10")	6.05 (19' 10")
Overall length with leveling blade option - m (ft/in)	–	6.40 (21' 0")	6.55 (21' 6")	6.55 (21' 6")
Overall width - m (ft/in)	2.30 (7' 7")	2.30 (7' 7")	2.33 (7' 8")	2.33 (7' 8")
Overall width with leveling blade option - m (ft/in)	–	2.50 (8' 3")	2.50 (8' 3")	2.50 (8' 3")
Maximum machine height - m (ft/in)	3.11 (10' 3")	3.11 (10' 3")	3.11 (10' 3")	3.11 (10' 3")
Wheelbase - m (ft/in)	2.90 (9' 7")	2.90 (9' 7")	2.90 (9' 7")	2.90 (9' 7")
Ground clearance - mm (in)	450 (17.7)	454 (17.9)	445 (17.5)	445 (17.5)
Curb clearance - mm (in)	551 (21.7)	506 (19.9)	497 (19.6)	497 (19.6)
Minimum turning radius, inside drum edge - m (ft/in)	3.68 (12' 1")	3.68 (12' 1")	3.68 (12' 1")	3.68 (12' 1")
Drum Dimensions				
Drum width - mm (in)	2134 (84)	2134 (84)	2134 (84)	2134 (84)
Drum shell thickness - mm (in)	25 (1)	30 (1.18)	30 (1.18)	40 (1.57)
Drum diameter - mm (in)	1295 (51)	1295 (51)	1295 (51)	1295 (51)
Drum diameter over pads, oval - mm (in)	1549 (61)	1549 (61)	1549 (61)	1549 (61)
Drum diameter over pads, square - mm (in)	1493 (58.7)	1493 (58.7)	1493 (58.7)	1493 (58.7)
Number of pads	140	140	140	140
Pad height, oval face - mm (in)	127 (5)	127 (5)	127 (5)	127 (5)
Pad height, square face option- mm (in)	100 (3.9)	100 (3.9)	100 (3.9)	100 (3.9)
Pad surface area, oval face - cm ² (in ²)	74.4 (11.5)	74.4 (11.5)	74.4 (11.5)	74.4 (11.5)
Pad surface area, square face option - cm ² (in ²)	123 (19.1)	123 (19.1)	123 (19.1)	123 (19.1)
Vibratory System				
Maximum frequency - Hz (vpm)	30.5 (1830)	30.5 (1830)	30.5 (1830)	28 (1680)
Nominal amplitude @ max frequency				
High - mm (in)	1.9 (0.075)	2.1 (0.083)	2.1 (0.083)	2.1 (0.083)
Low - mm (in)	0.88 (0.035)	0.98 (0.039)	0.98 (0.039)	0.98 (0.039)
Centrifugal force				
High - kN (lb)	266 (59,800)	301 (67,600)	301 (67,600)	332 (74,600)
Low - kN (lb)	133 (29,900)	141 (31,670)	141 (31,670)	166 (37,300)
Power Train				
Engine	Cat C4.4 ACERT	Cat C4.4 ACERT	Cat C4.4 ACERT	Cat C4.4 ACERT
Gross power ISO 14396 - kW (hp) @ 2200 rpm	98 (131)	117 (157)	117 (157)	129.5 (173.7)
Maximum speed - km/h (mph)	11 (6.8)	11.4 (7.0)	11.4 (7.0)	11.4 (7.0)
Axle (differential)	Limited Slip	Limited Slip	Limited Slip	Limited Slip
Tire Size	23.1 x 26	23.1 x 26	23.1 x 26	23.1 x 26
Miscellaneous				
Electrical system - volts	24	24	24	24
Articulation angle - degrees	34	34	34	34
Oscillation angle - degrees	15	15	15	15
Fuel tank capacity - L (gal)	242 (64)	242 (64)	242 (64)	332 (88)

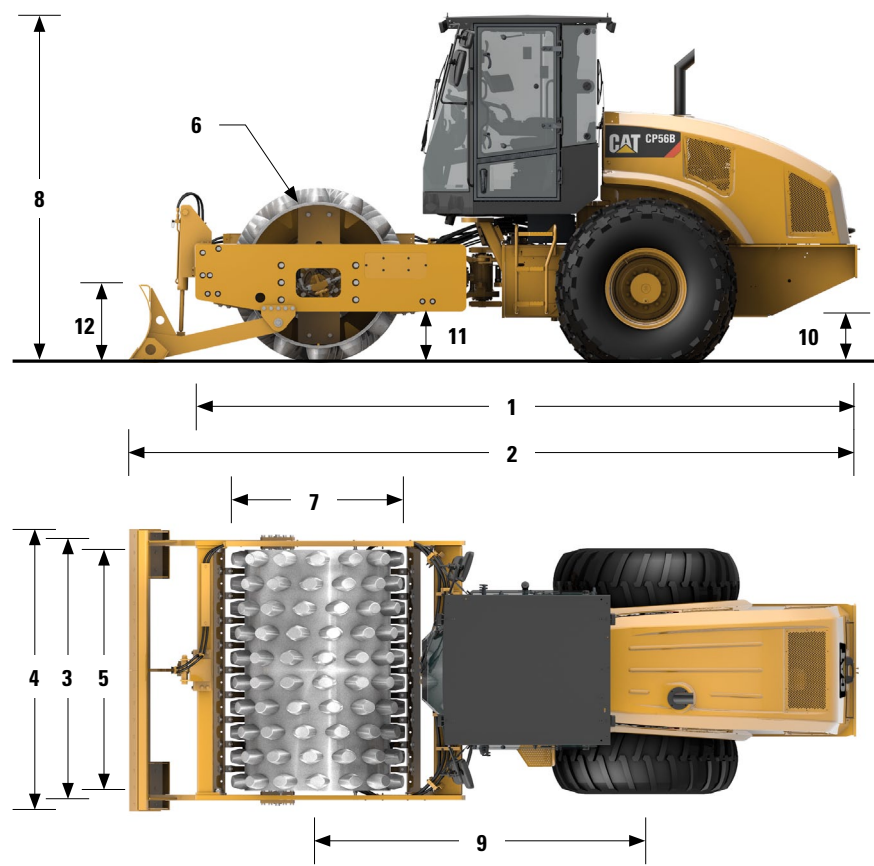
SPECIFICATIONS

SMOOTH DRUM

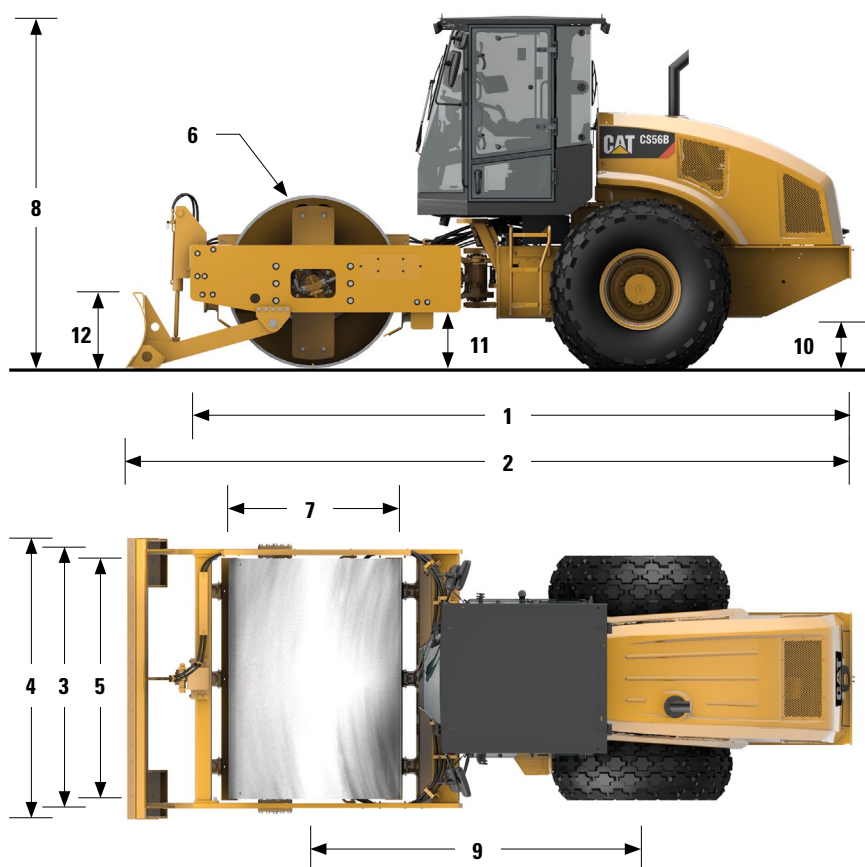
	CS54B	CS56B	CS64B	CS66B
Operating Weight				
Machine with ROPS/FOPS - (kg (lb))	10 355 (22,822)	11 290 (24,887)	–	–
Weight at the drum with ROPS/FOPS - kg (lb)	5785 (12,754)	6255 (13,788)	–	–
Static Linear Load with ROPS/FOPS - kg/cm (lb/ft)	27.1 (151.8)	29.3 (164.1)	–	–
Machine with CAB - kg (lb)	10 555 (23,265)	11 500 (25,346)	12 055 (26,569)	12 360 (27,245)
Weight at the drum with CAB - kg (lb)	5880 (12,959)	6350 (13,990)	7120 (15,690)	7355 (16,214)
Static Linear Load with CAB - kg/cm (lb/ft)	27.6 (154.3)	29.8 (166.6)	33.4 (186.8)	34.5 (193)
Machine Dimensions				
Overall length - m (ft/in)	5.85 (19' 2")	5.86 (19' 3")	5.85 (19' 2")	5.86 (19' 3")
Overall length with leveling blade option - m (ft/in)	–	6.40 (21' 0")	–	6.40 (21' 0")
Overall width - m (ft/in)	2.30 (7' 7")	2.30 (7' 7")	2.33 (7' 8")	2.33 (7' 8")
Overall width with leveling blade option - m (ft/in)	–	2.50 (8' 3")	–	2.50 (8' 3")
Maximum machine height - m (ft/in)	3.11 (10' 3")	3.11 (10' 3")	3.11 (10' 3")	3.11 (10' 3")
Wheelbase - m (ft/in)	2.90 (9' 7")	2.90 (9' 7")	2.90 (9' 7")	2.90 (9' 7")
Ground clearance - mm (in)	442 (17.4)	442 (17.4)	442 (17.4)	442 (17.4)
Curb clearance - mm (in)	543 (21.4)	494 (19.4)	491 (19.3)	494 (19.4)
Minimum turning radius, inside drum edge - m (ft/in)	3.68 (12' 1")	3.68 (12' 1")	3.68 (12' 1")	3.68 (12' 1")
Drum Dimensions				
Drum width - mm (in)	2134 (84)	2134 (84)	2134 (84)	2134 (84)
Drum shell thickness - mm (in)	25 (1)	30 (1.18)	25 (1)	30 (1.18)
Drum diameter - mm (in)	1534 (60.4)	1534 (60.4)	1534 (60.4)	1534 (60.4)
Padfoot Shell Kit Drum Dimensions				
Drum diameter over pads - mm (in)	1730 (68.1)	1730 (68.1)	1730 (68.1)	1730 (68.1)
Number of pads	120	120	120	120
Pad height - mm (in)	90 (3.5)	90 (3.5)	90 (3.5)	90 (3.5)
Pad surface area, oval face option - cm ² (in ²)	63.5 (9.8)	63.5 (9.8)	63.5 (9.8)	63.5 (9.8)
Pad surface area, square face option - cm ² (in ²)	123 (19.1)	123 (19.1)	123 (19.1)	123 (19.1)
Vibratory System				
Maximum frequency - Hz (vpm)	30.5 (1830)	30.5 (1830)	30.5 (1830)	30.5 (1830)
Nominal amplitude @ max frequency				
High - mm (in)	1.9 (0.075)	2.1 (0.083)	1.9 (0.075)	2.1 (0.083)
Low - mm (in)	0.95 (0.037)	0.98 (0.039)	0.95 (0.037)	0.98 (0.039)
Centrifugal force				
High - kN (lb)	234 (52,600)	301 (67,600)	234 (52,600)	301 (67,600)
Low - kN (lb)	133 (29,900)	141 (31,670)	133 (29,900)	141 (31,670)
Power Train				
Engine	Cat C4.4 ACERT	Cat C4.4 ACERT	Cat C4.4 ACERT	Cat C4.4 ACERT
Gross power ISO 14396 - kW (hp) @ 2200 rpm	98 (131)	117 (157)	98 (131)	117 (157)
Maximum speed - km/h (mph)	11 (6.8)	11.4 (7.0)	11 (6.8)	11.4 (7.0)
Axle (differential)	Limited Slip	Limited Slip	Limited Slip	Limited Slip
Tire Size	23.1 x 26	23.1 x 26	23.1 x 26	23.1 x 26
Miscellaneous				
Electrical system - volts	24	24	24	24
Articulation angle - degrees	34	34	34	34
Oscillation angle - degrees	15	15	15	15
Fuel tank capacity - L (gal)	242 (64)	242 (64)	242 (64)	242 (64)

	CS68B	CS74B	CS76B	CS78B
Operating Weight				
Machine with ROPS/FOPS - (kg (lb))	—	—	—	—
Weight at the drum with ROPS/FOPS - kg (lb)	—	—	—	—
Static Linear Load with ROPS/FOPS - kg/cm (lb/ft)	—	—	—	—
Machine with CAB - kg (lb)	14 325 (31,572)	16 000 (35,264)	17 445 (38,450)	18 700 (41,214)
Weight at the drum with CAB - kg (lb)	9150 (20,164)	10 620 (23,410)	12 190 (26,868)	13 440 (29,626)
Static Linear Load with CAB - kg/cm (lb/ft)	42.9 (240.1)	49.7 (278.7)	57.1 (319.9)	63 (352.7)
Machine Dimensions				
Overall length - m (ft/in)	6.05 (19' 10")	6.05 (19' 10")	6.13 (20' 1")	6.13 (20' 1")
Overall length with leveling blade option - m (ft/in)	6.55 (21' 6")	6.55 (21' 6")	—	—
Overall width - m (ft/in)	2.33 (7' 8")	2.33 (7' 8")	2.36 (7' 9")	2.46 (8' 1")
Overall width with leveling blade option - m (ft/in)	2.50 (8' 3")	2.50 (8' 3")	—	—
Maximum machine height - m (ft/in)	3.11 (10' 3")	3.11 (10' 3")	3.11 (10' 3")	3.11 (10' 3")
Wheelbase - m (ft/in)	2.90 (9' 7")	2.90 (9' 7")	2.90 (9' 7")	2.90 (9' 7")
Ground clearance - mm (in)	437 (17.2)	437 (17.2)	437 (17.2)	437 (17.2)
Curb clearance - mm (in)	489 (19.3)	489 (19.3)	528 (20.8)	535 (21.1)
Minimum turning radius, inside drum edge - m (ft/in)	3.68 (12' 1")	3.68 (12' 1")	3.68 (12' 1")	3.68 (12' 1")
Drum Dimensions				
Drum width - mm (in)	2134 (84)	2134 (84)	2134 (84)	2134 (84)
Drum shell thickness - mm (in)	30 (1.18)	40 (1.57)	40 (1.57)	40 (1.57)
Drum diameter - mm (in)	1534 (60.4)	1534 (60.4)	1534 (60.4)	1534 (60.4)
Padfoot Shell Kit Drum Dimensions				
Drum diameter over pads - mm (in)	1730 (68.1)	1730 (68.1)	1730 (68.1)	1730 (68.1)
Number of pads	120	120	120	120
Pad height - mm (in)	90 (3.5)	90 (3.5)	90 (3.5)	90 (3.5)
Pad surface area, oval face option - cm ² (in ²)	63.5 (9.8)	63.5 (9.8)	63.5 (9.8)	63.5 (9.8)
Pad surface area, square face option - cm ² (in ²)	123 (19.1)	123 (19.1)	123 (19.1)	123 (19.1)
Vibratory System				
Maximum frequency - Hz (vpm)	30.5 (1830)	28 (1680)	28 (1680)	28 (1680)
Nominal amplitude @ max frequency				
High - mm (in)	2.1 (0.083)	2.1 (0.083)	2.1 (0.083)	2.1 (0.083)
Low - mm (in)	0.98 (0.039)	0.98 (0.039)	0.98 (0.039)	0.98 (0.039)
Centrifugal force				
High - kN (lb)	301 (67,600)	332 (74,600)	332 (74,600)	332 (74,600)
Low - kN (lb)	141 (31,670)	166 (37,300)	166 (37,300)	166 (37,300)
Power Train				
Engine	Cat C4.4 ACERT	Cat C4.4 ACERT	Cat C4.4 ACERT	Cat C4.4 ACERT
Gross power ISO 14396 - kW (hp) @ 2200 rpm	117 (157)	129.5 (173.7)	129.5 (173.7)	129.5 (173.7)
Maximum speed - km/h (mph)	11.4 (7.0)	11.4 (7.0)	11.4 (7.0)	11.4 (7.0)
Axle (differential)	Limited Slip	Limited Slip	Limited Slip	Limited Slip
Tire Size	23.1 x 26	23.1 x 26	23.1 x 26	23.1 x 26
Miscellaneous				
Electrical system - volts	24	24	24	24
Articulation angle - degrees	34	34	34	34
Oscillation angle - degrees	15	15	15	15
Fuel tank capacity - L (gal)	242 (64)	332 (88)	332 (88)	332 (88)

DIMENSIONS



Inside turning radius - mm (in)	3.68 (12' 1")
Hitch articulation angle	63.5 (9.8)
Hitch oscillation angle	123 (19.1)



DIMENSIONS

	CP54B	CP56B	CP68B	CP74B
Machine Dimensions				
1 Overall length - m (ft/in)	5.85 (19' 2")	5.86 (19' 3")	6.05 (19' 10")	6.05 (19' 10")
2 Overall length w/leveling blade option - m (ft/in)	—	6.40 (21' 0")	6.55 (21' 6")	6.55 (21' 6")
3 Overall width - m (ft/in)	2.30 (7' 7")	2.30 (7' 7")	2.33 (7' 8")	2.33 (7' 8")
4 Overall width w/leveling blade option - m (ft/in)	—	2.50 (8' 3")	2.50 (8' 3")	2.50 (8' 3")
5 Drum width - mm (in)	2134 (84)	2134 (84)	2134 (84)	2134 (84)
6 Drum shell thickness - mm (in)	25 (1)	30 (1.18)	30 (1.18)	40 (1.57)
7 Drum diameter, over pads - mm (in)	1549 (61)	1549 (61)	1549 (61)	1549 (61)
8 Overall height, ROPS/FOPS cab- m (ft/in)	3.11 (10' 3")	3.11 (10' 3")	3.11 (10' 3")	3.11 (10' 3")
Overall height, ROPS/FOPS - m (ft/in)	3.08 (10' 1")	3.08 (10' 1")	—	—
9 Wheelbase - m (ft/in)	2.90 (9' 7")	2.90 (9' 7")	2.90 (9' 7")	2.90 (9' 7")
10 Ground clearance - mm (in)	450 (17.7)	454 (17.9)	445 (17.5)	445 (17.5)
11 Curb clearance - mm (in)	551 (21.7)	506 (19.9)	497 (19.6)	497 (19.6)
12 Optional leveling blade height - mm (in)	—	688 (27.1)	688 (27.1)	688 (27.1)

	CS54B	CS56B	CS64B	CS66B
Machine Dimensions				
1 Overall length - m (ft/in)	5.85 (19' 2")	5.86 (19' 3")	5.85 (19' 2")	5.86 (19' 3")
2 Overall length w/leveling blade option - m (ft/in)	—	6.40 (21' 0")	—	6.40 (21' 0")
3 Overall width - m (ft/in)	2.30 (7' 7")	2.30 (7' 7")	2.33 (7' 8")	2.33 (7' 8")
4 Overall width w/leveling blade option - m (ft/in)	—	2.50 (8' 3")	—	2.50 (8' 3")
5 Drum width - mm (in)	2134 (84)	2134 (84)	2134 (84)	2134 (84)
6 Drum shell thickness - mm (in)	25 (1)	30 (1.18)	25 (1)	30 (1.18)
7 Drum diameter - mm (in)	1534 (60.4)	1534 (60.4)	1534 (60.4)	1534 (60.4)
8 Overall height, ROPS/FOPS cab- m (ft/in)	3.11 (10' 3")	3.11 (10' 3")	3.11 (10' 3")	3.11 (10' 3")
Overall height, ROPS/FOPS - m (ft/in)	3.08 (10' 1")	3.08 (10' 1")	—	—
9 Wheelbase - m (ft/in)	2.90 (9' 7")	2.90 (9' 7")	2.90 (9' 7")	2.90 (9' 7")
10 Ground clearance - mm (in)	442 (17.4)	442 (17.4)	442 (17.4)	442 (17.4)
11 Curb clearance - mm (in)	543 (21.4)	494 (19.4)	491 (19.3)	494 (19.4)
12 Optional leveling blade height - mm (in)	—	688 (27.1)	—	688 (27.1)

	CS68B	CS74B	CS76B	CS78B
Machine Dimensions				
1 Overall length - m (ft/in)	6.05 (19' 10")	6.05 (19' 10")	6.13 (20' 1")	6.13 (20' 1")
2 Overall length w/leveling blade option - m (ft/in)	6.55 (21' 6")	6.55 (21' 6")	—	—
3 Overall width - m (ft/in)	2.33 (7' 8")	2.33 (7' 8")	2.36 (7' 9")	2.46 (8' 1")
4 Overall width w/leveling blade option - m (ft/in)	2.50 (8' 3")	2.50 (8' 3")	—	—
5 Drum width - mm (in)	2134 (84)	2134 (84)	2134 (84)	2134 (84)
6 Drum shell thickness - mm (in)	30 (1.18)	40 (1.57)	40 (1.57)	40 (1.57)
7 Drum diameter - mm (in)	1534 (60.4)	1534 (60.4)	1534 (60.4)	1534 (60.4)
8 Overall height, ROPS/FOPS cab- m (ft/in)	3.11 (10' 3")	3.11 (10' 3")	3.11 (10' 3")	3.11 (10' 3")
Overall height, ROPS/FOPS - m (ft/in)	—	—	—	—
9 Wheelbase - m (ft/in)	2.90 (9' 7")	2.90 (9' 7")	2.90 (9' 7")	2.90 (9' 7")
10 Ground clearance - mm (in)	437 (17.2)	437 (17.2)	437 (17.2)	437 (17.2)
11 Curb clearance - mm (in)	489 (19.3)	489 (19.3)	528 (20.8)	535 (21.1)
12 Optional leveling blade height - mm (in)	688 (27.1)	688 (27.1)	—	—

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