



PAVING PRODUCT LINE

LET'S DO THE WORK.™



VIBRATORY SOIL COMPACTORS

SPECIFICATIONS

	Operating Weight	Compaction Width	Gross Power			Engine	Emissions Certification
			kW	hp (M)	hp (I)		
CS34 Smooth Drum	4445 kg (9,799 lb)	1270 mm (50")	55.0	74.7	74	C3.4B	◆
CP34 Padfoot Drum	4995 kg (11,000 lb)	1270 mm (50")	55.0	74.7	74	C3.4B	◆
CS44B Smooth Drum	6943 kg (15,307 lb)	1676 mm (66")	75.0	102.0	100.6	C3.4B	◆
CP44B Padfoot Drum	7228 kg (15,935 lb)	1676 mm (66")	75.0	102.0	100.6	C3.4B	◆
CS533E Smooth Drum	10 840 kg (23,898 lb)	2134 mm (84")	97.0	132.0	130.0	3054C	❖
CS533E XT™ Smooth Drum	12 360 kg (27,249 lb)	2134 mm (84")	97.0	132.0	130.0	3054C	❖
CP533E Padfoot Drum	11 680 kg (25,750 lb)	2134 mm (84")	97.0	132.0	130.0	3054C	❖
CS54B Smooth Drum	10 555 kg (23,265 lb)	2134 mm (84")	98.0	133.0	131.0	C4.4 ACERT	◆
			96.5	131.2	129.4	C4.4 ACERT	◇
CP54B Padfoot Drum	11 135 kg (24,539 lb)	2134 mm (84")	98.0	133.0	131.0	C4.4 ACERT	◆
			96.5	131.2	129.4	C4.4 ACERT	◇
CS56B Smooth Drum	11 500 kg (25,346 lb)	2134 mm (84")	117.0	159.0	157.0	C4.4 ACERT	◆
			116.5	158.3	156.0	C7.1	◇
CP56B Padfoot Drum	11 665 kg (25,707 lb)	2134 mm (84")	117.0	159.0	157.0	C4.4 ACERT	◆
			116.5	158.3	156.0	C7.1	◇

- ◆ Tier 4 Final / Stage IV
- * Tier 4 Interim / Stage IIIB Equivalent
- ◇ Tier 3 / Stage IIIA Equivalent
- ☼ China Nonroad Stage III
- ❖ Tier 2 / Stage II Equivalent

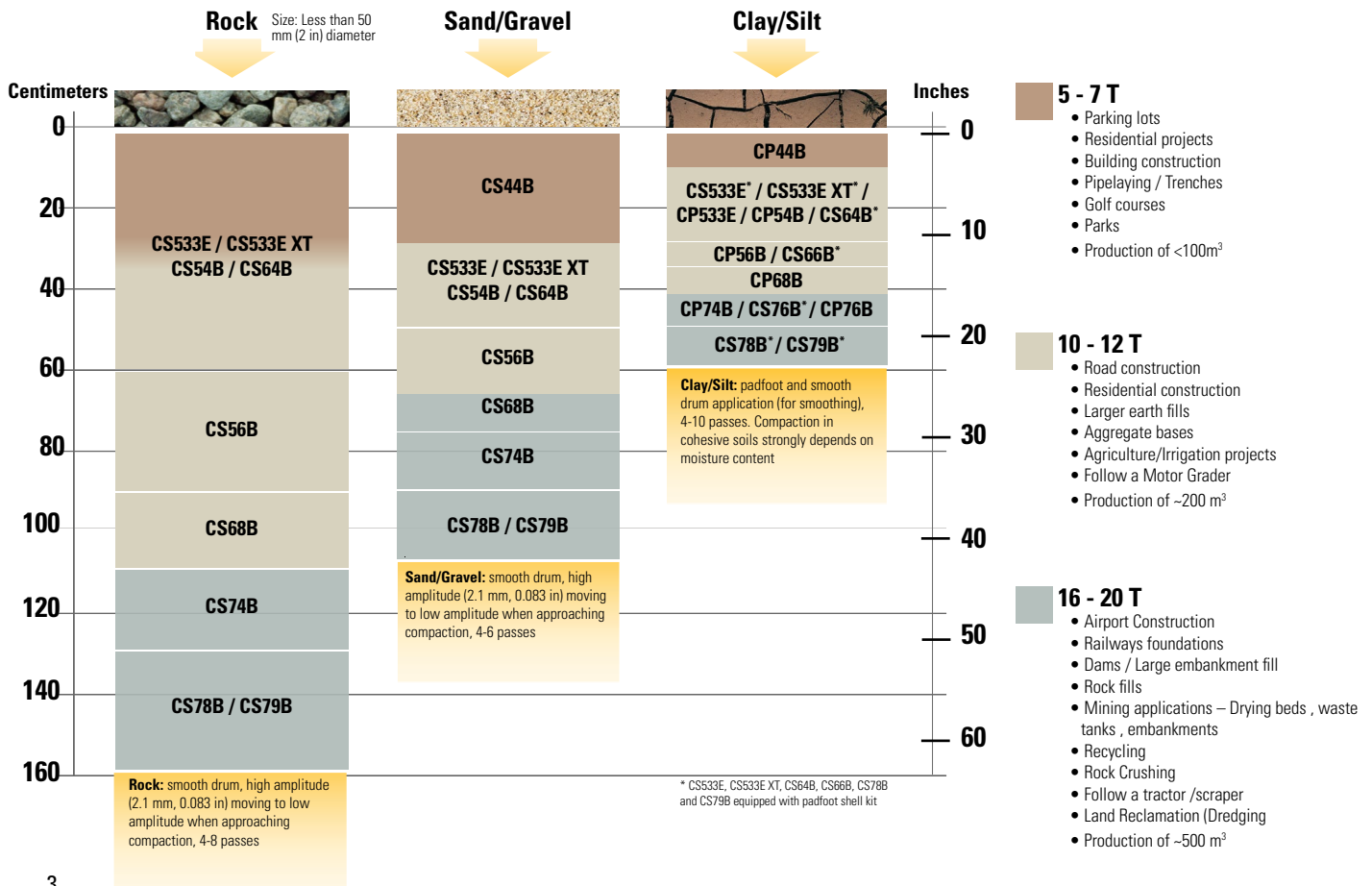
hp (M) = Metric horsepower, hp (I) = Imperial horsepower
 Some models are not offered in all areas. For availability please contact your local dealer.
 Weights are approximate and may vary by market or with optional equipment. Some configurations are standard in certain markets and optional in others.

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	Operating Weight	Compaction Width	Gross Power			Engine	Emissions Certification
			kW	hp (M)	hp (I)		
CS64B Smooth Drum	12 055 kg (26,569 lb)	2134 mm (84")	98.0	133.0	131.0	C4.4 ACERT	◆
			96.5	131.2	129.4	C4.4 ACERT	◇
CS66B Smooth Drum	12 360 kg (27,245 lb)	2134 mm (84")	117.0	159.0	157.0	C4.4 ACERT	◆
CS68B Smooth Drum	14 325 kg (31,572 lb)	2134 mm (84")	117.0	159.0	157.0	C4.4 ACERT	◆
			116.5	158.3	156.0	C7.1	◇
CP68B Padfoot Drum	14 685 kg (32,370 lb)	2134 mm (84")	117.0	159.0	157.0	C4.4 ACERT	◆
			116.5	158.3	156.0	C7.1	◇ ✱
CS74B Smooth Drum	16 000 kg (35,264 lb)	2134 mm (84")	129.5	176.1	173.7	C4.4 ACERT	◆
			129.5	176.1	173.7	C7.1	◇
CP74B Padfoot Drum	16 355 kg (36,048 lb)	2134 mm (84")	129.5	176.1	173.7	C4.4 ACERT	◆
			129.5	176.1	173.7	C7.1	◇
CS76B Smooth Drum	17 445 kg (38,450 lb)	2134 mm (84")	129.5	176.1	173.7	C4.4 ACERT	◆
			129.5	176.1	173.7	C7.1	◇
CP76B Padfoot Drum	17 087 kg (37,670 lb)	2134 mm (84")	129.5	176.1	173.7	C7.1	◇
CS78B Smooth Drum	18 700 kg (41,214 lb)	2134 mm (84")	129.5	176.1	173.7	C4.4 ACERT	◆
			129.5	176.1	173.7	C7.1	◇ ✱
CS79B Smooth Drum	20 200 kg (44,577 lb)	2134 mm (84")	129.5	176.1	173.7	C6.6 ACERT	◆ ✱

VIBRATORY SOIL COMPACTOR SELECTION GUIDE

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



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.

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 over 10 metric tons—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 plate load tests
- 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

NEW

- Smooth drum models over 10 metric ton can be configured with MDP and CMV providing widest range of applications.

For availability, please contact your local dealer.



GNSS MAPPING

- Provides operator with visual indication of work status
- Maps data to position where it was measured
- Pass count, coverage
- Choose level of accuracy:
 - SBAS or RTK



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



PAVERS

SPECIFICATIONS

	Tractor Weight	Maximum Throughput Capacity	Paving Range	Gross Power			Engine	Emissions Certification
				kW	hp (M)	hp (I)		
AP255E Track	4500 kg (9,921 lb)	73 tonnes/h (80 tph)	0.15 - 3.4 m (6" - 11' 2")	34.1	46.3	45.7	C2.2	◇ *
AP300F Wheel	6600 kg (14,550 lb)	406 tonnes/h (447 tph)	700mm - 4.0 m (27.5" - 13' 1")	55.0	73.8	74.8	C3.3B	◆ ◇ ❖ *
AP355F Mobil-Trac™	8730 kg (19,246 lb)	406 tonnes/h (447 tph)	700mm - 4.6 m (27.5" - 15' 1")	55.0	73.8	74.8	C3.3B	◆ ◇ ❖ *
AP500F Wheel	13 161 kg (29,020 lb)	1168 tonnes/h (1,288 tph)	2.55 - 6.5 m (8' 4" - 21' 4")	106.0	144.0	142.0	C4.4 ACERT™	◆ ◇ *
AP555F Mobil-Trac	13 800 kg (30,430 lb)	1168 tonnes/h (1,288 tph)	2.55 - 7.5 m (8' 4" - 24' 5")	106.0	144.0	142.0	C4.4 ACERT	◆ ◇ *
AP600F Wheel	13 845 kg (30,522 lb)	1300 tonnes/h (1,433 tph)	2.55 - 8.0 m (8' 4" - 26' 4")	129.0	175.0	173.0	C4.4 ACERT	◆
				151.0	205.0	202.0	C7.1	◇ *
AP655F Mobil-Trac	15 584 kg (34,356 lb)	1300 tonnes/h (1,433 tph)	2.55 - 10.0 m (8' 4" - 33')	129.0	175.0	173.0	C4.4 ACERT	◆
				151.0	205.0	202.0	C7.1	◇ *
AP655F Steel Track	16 043 kg (35,368 lb)	1300 tonnes/h (1,433 tph)	2.55 - 10.0 m (8' 4" - 33')	129.0	175.0	173.0	C4.4 ACERT	◆
				151.0	205.0	202.0	C7.1	◇ *
AP655F L Steel Track	16 043 kg (35,368 lb)	1300 tonnes/h (1,433 tph)	2.55 - 10.0 m (8' 4" - 33')	129.0	175.0	173.0	C4.4 ACERT	◆
				151.0	205.0	202.0	C7.1	◇ *
AP1000F Wheel	15 794 kg (34,820 lb)	1602 tonnes/h (1,766 tph)	3.0 - 7.65 m (9' 10" - 25')	168.0	228.4	225.0	C7.1 ACERT	◆
AP1055F Mobil-Trac	17 031 kg (37,553 lb)	1602 tonnes/h (1,766 tph)	3.0 - 10.0 m (9' 10" - 33')	168.0	228.4	225.0	C7.1 ACERT	◆
				186.0	252.8	249.0	C7.1	◇ *

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 Screenshot selection determines minimum and maximum paving widths.
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INTEGRATED TECHNOLOGY

EASY OPERATION

Auto-Fill Feeder System

- Simplifies starts by alternating the conveyors and augers until the mix height reaches the sensor set point

Single-Touch Feeder System

- Automatically activates the entire feeder system with a single button for better efficiency

One-Touch Hopper Control

- The hopper wings and front hydraulic apron (if equipped) can be folded with a single touch and release
- The system can be tailored to activate left or right wings together or independently, with front hydraulic apron, or all three together

Cleanout/Warmup Mode

- Activates the augers, conveyors, and tamper bar (if equipped) in slow speed, enables the application of release agents to prevent material build-up

Mix Height Adjustment

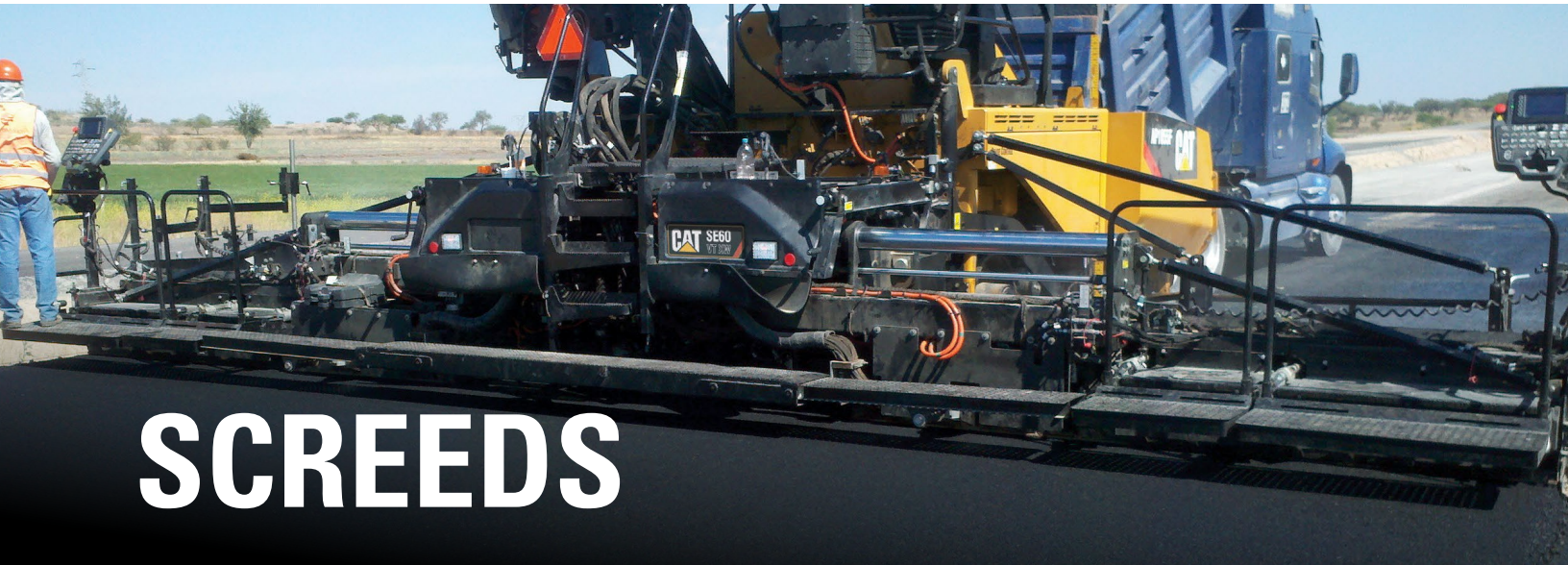
- Mix height adjustment from the tractor LCD display offers more control, previously only available from the screed



PAVER AND SCREED COMPATIBILITY CHART

	AP255E	AP300F	AP355F	AP500F	AP555F	AP600F	AP655F	AP1000F	AP1055F
AS3143 Vibratory Screed	•								
SE34 V Vibratory Screed		•	•						
SE34 VT Tamper Screed		•	•						
SE50 V Vibratory Screed				•	•	•	•		
SE50 VT Tamper Screed				Requires Tamper Ready Paver	Requires Tamper Ready Paver	Requires Tamper Ready Paver	Requires Tamper Ready Paver		
SE60 V Vibratory Screed						•	•	•	•
SE60 V XW Vibratory Extra-wide Screed							•	•	•
SE60 VT XW Tamper Extra-wide Screed							Requires Tamper Ready Paver	Requires Tamper Ready Paver	Requires Tamper Ready Paver

Note: Tamper ready pavers are equipped with additional hydraulics including, pump, valve, and hoses to support the tamper bar system.



SCREEDS

SPECIFICATIONS

	Weight	Standard Paving Range	Maximum Paving Width	Minimum Paving Width	Screed Heat
AS3143 Vibratory	700 kg (1,543 lb)	1.4 - 2.6 m (4' 7" - 8' 6")	3.4 m (11' 1")	150 mm (6")	Electric
SE34 V Vibratory	1 400 kg (3,086 lb)	1.75 - 3.42 m (5' 9" - 11' 2")	4.6 m (15' 1")	700 mm (27.5")	Electric
SE34 VT Tamper	1450 kg (3,196 lb)	1.75 - 3.42 m (5' 9" - 11' 2")	4.6 m (15' 1")	700 mm (27.5")	Electric
SE50 V Vibratory	3284 kg (7,239 lb)	2.55 - 5.0 m (8' 4" - 16' 4")	6.5 m (21' 4")	2.55 m (8' 4")	Electric
SE50 VT Tamper	3490 kg (7,695 lb)	2.55 - 5.0 m (8' 4" - 16' 4")	8.0 m (26' 4")	2.55 m (8' 4")	Electric
SE60 V Vibratory	3400 kg (7,495 lb)	3.0 - 6.0 m (9' 10" - 19' 6")	7.65 m (25')	3.0 m (9' 10")	Electric
SE60 V XW Vibratory Extra-wide	4070 kg (8,973 lb)	3.0 - 6.0 m (9' 10" - 19' 6")	10.0 m (33')	3.0 m (9' 10")	Electric
SE60 VT XW Tamper Extra-wide	4532 kg (9,991 lb)	3.0 - 6.0 m (9' 10" - 19' 6")	10.0 m (33')	3.0 m (9' 10")	Electric

Maximum paving width with bolt-on extensions.

Minimum paving width with cut-off shoes.

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† 7.00 m (23 ft) maximum paving width with AP500E

CAT GRADE CONTROL

Cat Grade Control is a factory-integrated guidance system that helps remove irregularities from the surface and control mat thickness for increased production, lower operating costs, and higher profitability.

Cat dealers offer exceptional knowledge of the grade and slope system, as well as paver and screed operation, providing a single source that meets all your paving needs.

Note: Cat Pavers are able to utilize a variety of other grade and slope systems to support customer preferences.

USER FRIENDLY

- Operate from any of the two tractor or screed consoles
- Utilize split screen mode to monitor each side of the screed
- On-the-go sensor selection in auto-mode when utilizing the averaging beam, no need to stop and re-calibrate
- Text-based LCD displays provide visual reference
 - Available in multiple languages
 - Brightness and contrast controls for various lighting conditions
 - Previous settings automatically stored, no need to re-configure
- LCD Displays integrate machine settings to keep operator better informed of operating conditions while monitoring grade control

PRECISE CONTROL

- More accurate control maximizes mix utilization and saves money
- True averaging; sonic sensors utilize 5 transducers, 2 readings discarded and 3 averaged
- 10-point Auto-Calibration; eliminates over/under adjustment from single calibration point
- Cross-coupling; slope and elevation maintained with height adjustments
- True 9 m (30') sonic averaging beam; tow point movement is 1/3 of total grade deviation



HIGHLY RELIABLE

- Water-resistant displays
- Factory installed components, consistent routing and location
- Sealed components withstand heat, moisture, and vibration
- Built-in temperature sensors provide better reliability than bail-type sensors
- Lockable enclosure provides vandal protection
- Easy diagnostics, compatible with Cat Electronic Technician

SINGLE SOURCE PROVIDER

- Cat dealers offer complete support of entire system including paver operation, screed setup, application and service training, consulting, and parts support
- No reason to utilize outside suppliers and risk improper setup

TANDEM VIBRATORY ROLLERS



SPECIFICATIONS

	Operating Weight	Standard Compaction Width	Maximum Compaction Width	Gross Power			Engine	Emissions Certification
				kW	hp (M)	hp (I)		
CB7 Solid Drum	8190 kg (18,056 lb)	1500 mm (59")	1670 mm (66")	75.0	102.0	100.6	C3.4B ACERT	*
				82.1	111.5	110.0	C4.4 ACERT	◇ *
CB7 Split Drum	9330 kg (20,569 lb)	1500 mm (59")	1670 mm (66")	75.0	102.0	100.6	C3.4B	*
CB8	8720 kg (19,224 lb)	1700 mm (67")	1870 mm (73")	75.0	102.0	100.6	C3.4B ACERT	*
				82.1	111.5	110.0	C4.4 ACERT	◇ *
CB10 Solid Drum	9 710 kg (21,407 lb)	1700 mm (67")	1870 mm (73")	98.0	133.2	131.0	C4.4 ACERT	*
				97.0	131.8	130.0	C4.4 ACERT	◇ *
CB10 Split Drum	10 670 kg (23,525 lb)	1700 mm (67")	1870 mm (73")	98.0	133.2	131.0	C4.4 ACERT	*
CB13	12 500 kg (27,557 lb)	2000 mm (79")	2170 mm (85")	106.0	144.1	142.0	C4.4 ACERT	◇ * ◆
CB15	13 135 kg (28,958 lb)	2130 mm (84")	2300 mm (90")	106.0	144.1	142.0	C4.4 ACERT	◇ * ◆
CB16	14 488 kg (31,941 lb)	2130 mm (84")	2300 mm (90")	106.0	144.1	142.0	C4.4 ACERT	◇ * ◆
CD8 Solid Drum	7400 kg (16,314 lb)	1500 mm (59")	2820 mm (9' 3")	75.0	102.0	100.6	C3.4B ACERT	*
CD8 Split Drum	8390 kg (18,497 lb)	1500 mm (59")	2820 mm (9' 3")	75.0	102.0	100.6	C3.4B ACERT	*
CD10 Solid Drum	9030 kg (19,908 lb)	1700 mm (67")	3020 mm (9' 9")	75.0	101.9	100.5	C3.4B ACERT	*
CD10 Split Drum	10 120 kg (22,311 lb)	1700 mm (67")	3020 mm (9' 9")	75.0	101.9	100.5	C3.4B ACERT	*
CCS7 Combi	7403 kg (16,320 lb)	1700 mm (67")	1700 mm (67")	75	100.6	99	C3.4B ACERT	◆
CCS9 Combi	9000 kg (19,842 lb)	2130 mm (84")	2130 mm (84")	98	131	129	C4.4 ACERT	◆

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CAT COMPACTION CONTROL

The optional Cat Compaction Control helps contractors increase efficiency and productivity while recording data for quality control documentation and future planning.

TEMPERATURE SENSORS

- Dual infrared sensors mounted on the front and rear of machine deliver real-time readings
- Keep operator informed of when to begin rolling and when to stop
- Help avoid tender-zones that often occur in the 104°-110° C (219°-230° F) temperature range
- Optimal mat temperatures for compaction: upper limit is around 149° C (300° F), lower limit is around 85° C (185° F)
- Eliminates hand-held devices

PASS-COUNT MAPPING

- Achieve target density and increase roller efficiency
- Record and monitor pass pattern in order to ensure consistent coverage
- Optimize drum overlap in order to keep pace with the paver
- Simplify nighttime operation
- Eliminate second guessing
- Prevent incomplete passes such as stopping short

TEMPERATURE MAPPING

- Provides a visual readout of mat temperature in order to keep the machine in the proper temperature range
- Records and monitors temperature for future analysis of the proper temperature range

MACHINE TO MACHINE COMMUNICATION

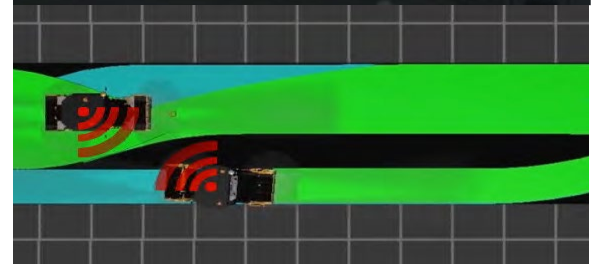
- Improved work site efficiency
- Easily monitor fleet patterns
- Pickup pass patterns where other compactors left off
- Simplify nighttime operation

COMPACTION METER VALUE (CMV)

- CMV technology utilizes a drum-mounted accelerometer to measure and record composite stiffness of the material below the drum
- Scalable accuracy to provide the highest level of Global Navigation Satellite System positioning (GNSS)
- Mapping system is able to record compaction, frequency, and pass-count data to the specific location the measurement was taken



Pass Count and Temperature Mapping



Machine To Machine Communication



Compaction Meter Value (CMV) can help indicate road structure health on "Mill and Fill" applications

UTILITY ROLLERS



SPECIFICATIONS

	Operating Weight	Operating Weight with Ballast	Compaction Width	Gross Power			Engine	Emissions Certification
				kW	hp (M)	hp (I)		
CB1.7	1605 kg (3,538 lb)	–	900 mm (35")	18.4	25	24.7	C1.1	◆ ◆ *
CB1.8	1735 kg (3,825 lb)	–	1000 mm (39")	18.4	25	24.7	C1.1	◆ ◆ *
CB2.5	2250 kg (4,960 lb)	–	1000 mm (39")	22.9	30.7	30.3	C1.5	◆ ◆ *
CC2.6	2260 kg (4,982 lb)	–	1312 mm (52")	22.9	30.7	30.3	C1.5	◆ ◆ *
CB2.7	2510 kg (5,533 lb)	2910 kg (6,415 lb)	1300 mm (51")	22.9	30.7	30.3	C1.5	◆ ◆ *
CB2.9	2700 kg (5,952 lb)	2980 kg (6,570 lb)	1412 mm (56")	22.9	30.7	30.3	C1.5	◆ ◆ *
CB22B	2553 kg (5,629 lb)	–	1000 mm (39")	27.0	36.7	36.2	C1.5	◆
CB24B	2723 kg (6,003 lb)	–	1200 mm (47")	27.0	36.7	36.2	C1.5	◆
CB24B XT	3123 kg (6,885 lb)	–	1200 mm (47")	27.0	36.7	36.2	C1.5	◆
CB32B	2808 kg (6,190 lb)	3208 kg (7,071 lb)	1300 mm (51")	27.0	36.7	36.2	C1.5	◆
CC24B Combi	2441 kg (5,380 lb)	–	1200 mm (47")	27.0	36.7	36.2	C1.5	◆
CC34B Combi	3378 kg (7,446 lb)	–	1300 mm (51")	36.4	49.5	48.8	C2.2	◆
CB34B	3699 kg (8,155 lb)	4099 kg (9,036 lb)	1300 mm (51")	36.4	49.5	48.8	C2.2	◆
CB36B	3803 kg (8,385 lb)	4400 kg (9,700 lb)	1400 mm (55")	36.4	49.5	48.8	C2.2	◆

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PNEUMATIC ROLLERS

SPECIFICATIONS

	Operating Weight	Compaction Width	Weight per Wheel	Gross Power			Engine	Emissions Certification
				kW	hp (M)	hp (I)		
CW16 9 Wheel	5200 kg (11,464 lb)	1754 mm (69")	578 kg (1,274 lb)	75.0	101.9	100.5	C3.4B	◆
				75.0	101.9	100.5	C4.4 ACERT	◇ ✱
CW16 11 Wheel	5300 kg (11,685 lb)	2132 mm (84")	482 kg (1,062 lb)	75.0	101.9	100.5	C3.4B ACERT	◆
				75.0	101.9	100.5	C4.4 ACERT	◇ ✱
CW34	27 000 kg (59,525 lb)	2090 mm (82")	3380 kg (7,452 lb)	98.0	133.2	131.0	C4.4 ACERT	◆ ◇ ✱

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SPECIFICATIONS

	Operating Weight	Cutting Width	Maximum Cutting Depth	Gross Power			Engine	Emissions Certification
				kW	hp (M)	hp (I)		
PM310 Track	21 655 kg (47,746 lb)	1000 mm (39.4")	330 mm (13")	242	329.5	325	Cat C9.3 ACERT	◆
				246	334.6	330		◇ ✱
PM310 Wheel	20 955 kg (46,203 lb)	1000 mm (39.4")	330 mm (13")	242	329.5	325	Cat C9.3 ACERT	◆
				246	334.6	330		◇ ✱
PM312 Track	21 842 kg (48,153 lb)	1225 mm (48.2")	330 mm (13")	242	329.5	325	Cat C9.3 ACERT	◆
				246	334.6	330		◇ ✱
PM312 Wheel	21 142 kg (46,610 lb)	1225 mm (48.2")	330 mm (13")	242	329.5	325	Cat C9.3 ACERT	◆
				246	334.6	330		◇ ✱
PM313 Track	21 946 kg (48,382 lb)	1300 mm (51.2")	330 mm (13")	242	329.5	325	Cat C9.3 ACERT	◆
				246	334.6	330		◇ ✱
PM313 Wheel	21 246 kg (46,839 lb)	1300 mm (51.2")	330 mm (13")	242	329.5	325	Cat C9.3 ACERT	◆
				246	334.6	330		◇ ✱
PM620	33 330 kg (73,260 lb)	2010 mm (79")	330 mm (13")	470	639	630.3	C18 ACERT	◆ ◇ ✱
PM622	33 900 kg (74,580 lb)	2235 mm (88")	330 mm (13")	470	639	630.3	C18 ACERT	◆ ◇ ✱
PM820	36 130 kg (79,630 lb)	2010 mm (79")	330 mm (13")	563	765	755	C18 ACERT	◆
PM822	36 700 kg (80,887 lb)	2235 mm (88")	330 mm (13")	563	765	755	C18 ACERT	◆
PM825	37 500 kg (82,650 lb)	2505 mm (98.6")	330 mm (13")	563	765	755	C18 ACERT	◆

- ◆ Tier 4 Final / Stage IV
- ✱ Tier 4 Interim / Stage IIIB Equivalent
- ◇ Tier 3 / Stage IIIA Equivalent
- ✱ China Nonroad Stage III
- ◇ Tier 2 / Stage II Equivalent

hp (M) = Metric horsepower, hp (I) = Imperial horsepower
 Some models are not offered in all areas. For availability please contact your local dealer.
 Engines meet regional requirements including U.S. EPA Tier 4 Final / EU Stage IV emission requirements,
 U.S. EPA Tier 4 Interim / EU Stage IIIB equivalent emission standards, U.S. EPA Tier 3 / EU Stage IIIA equivalent emission standards,
 or U.S. EPA Tier 2 / EU Stage II equivalent emission standards, China Nonroad Stage III

CAT GRADE CONTROL

Cat Grade Control for cold planers is a 2D grade and slope solution featuring easy use, robust components, high accuracy and exceptional reliability. The system provides true averaging for greater accuracy and consistency. The system also enables cross-coupling, a capability that allows the cold planer to adjust depth of cut while maintaining cross slope. This provides smoother, more accurate cuts during changes in grade.

The system utilizes a user-friendly display that features a large backlit screen and intuitive operation. The machine can be controlled by a single display or multiple displays. The split-screen feature allows a single operator to easily monitor both sides of the mill from a single display. Users can choose from multiple languages.

Cat Grade Control is designed for interfacing with sonic sensors, contact sensors, wire rope sensors and slope sensors. A combination of sensors can be used or a single sensor. Sensor configurations are hot swappable, allowing changes to occur while under operation.

PRECISE CONTROL

- Cutting to the proper grade maximizes smoothness and manages material usage
- Typical setup (shown) provides 11 data samples for true averaging, compared with 3 samples from typical competitive systems
- Cross coupling capability improves machine responsiveness, providing superior surface quality and accuracy
- Automatic calibration ensures consistent setup and delivers optimal performance



EASY TO USE

- Easy setup
- Automatic calibration
- Intuitive display

RELIABLE

- Built to meet the rigors of milling application environments

HIGH VERSATILITY

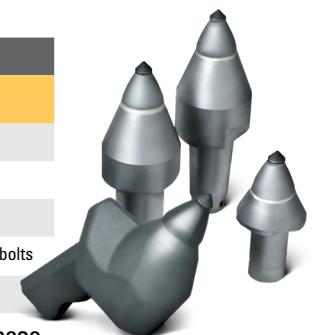
- Multiple reference sources
- Display can be positioned in multiple locations
- Operator can control and view operation on both sides of machine from a single control box
- Hot swapping capability allows operator to change references while milling
- System is easily upgradeable without upgrading hardware

CAT DIAMOND BITS

STAY SHARPER UP TO 80X LONGER

Average life and exact tonnage is impacted by local aggregate and operating technique. Diamond Asphalt Bits last up to 45x the life of standard carbide bits and Diamond Extended Life Bits last up to 80x the life of standard carbide bits.

Cat Part Number Reference			
Drum Style	540 Diamond Asphalt Bit	625 Extended Life Diamond Bit	Bit Removal Tool
Caterpillar	491-1472	491-1503	473-3836
Kennametal	460-7189	473-3829	473-3834
Sollami	460-7191	473-3833	473-3837
Wirtgen (HT11)	460-7192	473-3831	No tool needed - retained by bolts
NovaPick	460-7190	N/A	473-3835



Universal Installation Tool: 473-3838

RECLAIMERS/ STABILIZERS/ ROTARY MIXERS

SPECIFICATIONS

	Maximum Weight	Standard Cutting Width	Gross Power			Engine	Emissions Certification
			kW	hp (M)	hp (I)		
RM300	24 454 kg (53,911 lb)	2438 mm (96")	261	355	350	C11 ACERT	◇
RM500B	28 400 kg (62,611 lb)	2438 mm (96")	407	554	546	C15 ACERT	◆
			403	547	540	C15 ACERT	✱

- ◆ Tier 4 Final / Stage IV
- ✱ Tier 4 Interim / Stage IIIB Equivalent
- ◇ Tier 3 / Stage IIIA Equivalent
- ✱ China Nonroad Stage III
- ◇ Tier 2 / Stage II Equivalent

*hp (M) = Metric horsepower, hp (I) = Imperial horsepower
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Engines meet regional requirements including U.S. EPA Tier 4 Final / EU Stage IV emission requirements, U.S. EPA Tier 4 Interim / EU Stage IIIB equivalent emission standards, U.S. EPA Tier 3 / EU Stage IIIA equivalent emission standards, or U.S. EPA Tier 2 / EU Stage II equivalent emission standards, China Nonroad Stage III

ROTOR SELECTION GUIDE

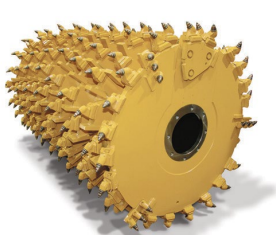
	Universal 16	Universal 18	Soil	Combination	Spade
Cut Width	2438 mm (96")	2438 mm (96")	2438 mm (96")	2438 mm (96")	2300 mm (90.6")
Rotor Diameter (over bits)	1375 mm (54")	1 525mm (60")	1625 mm (64")	1625 mm (64")	1575 mm (62")
Maximum Depth	406 mm (16")	457 mm (18")	508 mm (20")	508 mm (20")	457 mm (18")
Weight	4080 kg (9,000 lb)	4355 kg (9,600 lb)	3855 kg (8,500 lb)	3085 kg (6,800 lb)	2313 kg (5,100 lb)
Number of Bits	200	200	238	114	58
Bit Impact Spacing	15.9 mm (0.625")	15 mm (0.6")	11.5 mm (0.45")	32 mm (1.25")	171 mm (6.75")
Bit Holders	Bolt-on Breakaway	Bolt-on Breakaway	Weld-on	Bolt-on Breakaway	Weld-on
Bit Shank Diameter	19 mm (3/4")	19 mm (3/4")	19 mm (3/4")	22 mm (7/8")	22 mm (7/8")
Direction of Cut	up	up	up	up	up

Reclamation Rotors	Stabilization Rotors
Universal 18 ¹	Soil Rotor ¹
Universal 16	Combination Rotor
	Spade Rotor ²

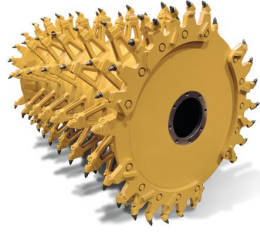
Some rotors not offered in all areas. For availability, please contact your local dealer.

¹ Available on RM500B only

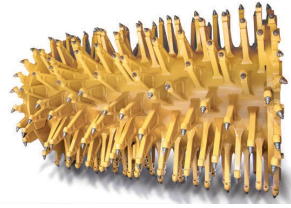
² Available on RM300 only



Universal



Combination



Soil



Spade

ADDITIVE SYSTEM OPTIONS

WATER SPRAY SYSTEM

Water Spray System automates the addition of metered water to the mixing chamber, allowing the machine to easily mix the proper measured amount to the materials. It provides an infinitely variable volume capacity of 114 to 1136 liters (30 to 300 gallons) per minute with two nozzles that provide a high flow range and a low flow range.

For water use only—not for use with emulsions.

ULTRA LOW-FLOW WATER SPRAY SYSTEM

Water Spray System automates the addition of metered water to the mixing chamber, allowing the machine to easily mix the proper measured amount to the materials. It provides an infinitely variable volume capacity of 60 to 600 liters (16 to 160 gallons) per minute with two nozzles that provide a high flow range and a low flow range.

For water use only—not for use with emulsions.

WATER SPRAY AND EMULSION SPRAY SYSTEM

Both Water Spray System and Emulsion Spray Systems installed to allow simultaneous or individual system operation.

EMULSION SPRAY SYSTEM

Emulsion Spray System automates the addition of metered emulsion to the mixing chamber, allowing the machine to easily mix the proper measured amount to the materials. This pump unit provides an infinitely variable volume capacity of 114 to 946 liters (30 to 250 gallons) per minute. Three sets of nozzles on the spray bar ensure proper fan pattern.



TRAINING & SOLUTIONS

PROVEN TO INCREASE PROFITS.

Caterpillar Paving Products is dedicated to providing our customers with quality training and project consulting services. Our classes are taught by qualified instructors who have many years of experience in the paving industry.

We help each crew member understand what their role is and how it affects the paving operation. Providing this type of understanding not only improves efficiency and quality, it also increases your profit.

Fees do apply for training. Contact your local Cat dealer for fee specifics and to schedule training or project consulting for your crew.

FEATURES

- Small classes offer hands-on opportunities
- Consulting solutions to ensure success on the job
- Hundreds of years of industry knowledge and experience worldwide—average of 20 years per person

TRAINING AND PROJECT CONSULTING

TECHNICAL TRAINING

Caterpillar service training courses provide theory and hands-on training for current paving equipment including Cat Pavers, Cold Planers, Reclaimers, Asphalt and Soil Compactors.

Each course is approximately 50/50 classroom and hands-on training. Written and hands-on examinations after each major system ensure course objectives are met throughout the course.

PAVING OPERATIONS TRAINING

Paving Operations Training is a structured four-and-a-half day course that emphasizes the fundamentals of asphalt paving and then builds upon these fundamentals to move into more advanced paving techniques. Classes are kept small in size to offer more hands-on opportunities and time for direct instructor interaction. The daily curriculum includes two hours of classroom training and six hours of hands-on training practicing techniques taught in the classroom.

The primary objective of Paving Operations Training is to prepare attendees to conduct similar training within his or her organization. Each company present receives one training package, which contains all the training material, outlines, tests and evaluation forms used in the course.

ON-DEMAND CUSTOMIZED TRAINING CLASSES

At times, Cat dealers and customers find it more convenient and economical to conduct dedicated training at their own site. Caterpillar offers training tailored to meet your organization's unique needs and logistical requirements. Caterpillar Service and Operations training can be scheduled on-demand and can include Service or Operations training for Cat Pavers, Cold Planers, Reclaimers, Asphalt and Soil Compactors, or Paving/Compaction Operation Seminars.

On-Demand Training takes place at the location of your choice—including numerous Caterpillar Training Centers, Dealer Training Facilities or customer office/shop locations.



ON-THE-JOB CREW TRAINING FOR PAVING PRODUCTS

Instructors use the same training techniques developed for our smoothness and density studies to achieve improvements in individual and team operational skills and overall paving quality—on-the-job. Training occurs under your real-world project conditions rather than the controlled training environment of a Caterpillar Training facility.

RIGHT THERE WITH YOU

Vibratory Soil Compactors
Pavers
Tandem Vibratory Rollers
Utility Rollers
Pneumatic Rollers
Cold Planers
Reclaimers/Stabilizers

Every day brings new challenges and tight deadlines. You're not alone in tackling what lies ahead—we're at your side, just like always. With market-leading paving and construction equipment that helps you complete every job on time and on spec. Unmatched parts and service support that keeps you running efficiently. Real-world, hands-on training and resources that help your crew master the latest techniques and technologies. In an ever-changing industry, one thing remains the same: our commitment to be right there with you.

Contact your local Cat dealer or visit www.cat.com to buy, rent or lease paving equipment today.

Your Cat dealer is committed to providing the highest level of product support in the industry. For more details, contact your local Cat dealer.

Find us online at www.cat.com/paving



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LET'S DO THE WORK.™

QEDQ1055-17 (02/19)
Replaces HEDG3489 and QEDQ1460

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Materials and specifications are subject to change without notice.
Featured machines in photography may include additional equipment for special applications.

