

Cat[®] CB2.5, CB2.7, CB2.9, CC2.7 Utility Compactors

The Cat[®] line of 2-3 ton utility compactors are well suited for a variety of applications from asphalt work to base compaction and even landscaping. They are designed with industry leading features and performance to get the job done.

Simple to Operate

- Rocker switches and $\mbox{Cat}^{\mbox{\tiny B}}$ gauge cluster with water tank gauge to help make operation easy
- Variable water spray system to extend time between water fills
- Optional sliding operator seat and dual propel levers for reducing operator fatigue and better job surface visibility

Proven Productivity

- Large 720 mm (28 in) drum diameters for smooth mat finish
- 14 mm (0.55 in) thick drum shells for longer durability
- Dual vibratory frequencies and ballast options to maximize compactive effort
- C1.7T engine with 36 kW (48.2 hp) (gross)

Technology Ready

- ProductLink[™] for remote monitoring of machine location and status
- Optional Compaction Measurement Value (CMV) displayed to the operator for improved compaction performance and consistency

Superior Safety

- High visability 75 mm (3 in) orange seatbelt to make job site safety visible
- Seat with operator presense sensor to prevent unintended operation while out of the seat
- Slip resistant steps and platform for improved operator safety
- Optional rotating amber beacon

Easy to Service

- Cat controls with ET capability for easy troubleshooting
- Reduced maintenance tasks for quick servicing
- 500 hour oil change interval to reduce maintenance time and costs
- External fuel fill for easy access
- LED lighting for durable and reliable performance
- Uptime kits and customer value agreements available to ensure maximum uptime

	Utility Compactor Application Guide										
			0 - 1.8	8 Tons		1.8 - 3	3 Tons	ıs 3 - 5 Tons			
	Application	Layer	CB1.7	CB1.8	CB2.5 CB2.5 GC	CB2.7 CB2.7 GC	CC2.7 CC2.7 GC	CB2.9	CB4.0	CB4.4	CC4.0
		Thickness mm (in)	900 mm (35 in)	1000 mm (39 in)	1000 mm (39 in)	1200 mm (47 in)	1200 mm (47 in)	1300 mm (51 in)	1300 mm (51 in)	1400 mm (55 in)	1300 mm (51 in)
	Walking Paths,	25 - 50 (1 - 2)	Best	Best	Better	Better	Better	Good	Good	Good	Good
	Driveways, Patchwork	50 - 100 (2 - 3)	Best	Best	Better	Better	Better	Good	Good	Good	Good
Asphalt	Parking Lots,	25 - 50 (1 - 2)	Better	Best	Best	Best	Best	Best	Better	Good Good (Better Better E	Better
Asp	Urban Streets	50 - 100 (2 - 3)	Better	Better	Best	Best	Best	Best	Better	Better	Best
	Deede Historyeye	25 - 50 (1 - 2)	Good	Good	Better	Better	Better	Best	Best	CB4.4CC4.01400 mm (55 in)1300 mr (51 in)GoodGoodGoodGoodBetterBetterBetterBestBestBestBestBestGoodGood	Best
	Roads, Highways	50 - 100 (2 - 3)	Good	Good	Better	Better	Better	Better	Best		Best
	Landscaping	< 100 (4)	Best	Best	Better	Better	Better	Good	Good	Good	Good
Soil	Small Job Sites	< 100 (4)	Good	Good	Best	Best	Best	Better	Better	Better	Better
	Medium Job Sites	< 100 (4)	Good	Good	Better	Better	Better	Best	Best	Best	Best



Standard and Optional Equipment

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

	Standard	Optional
OPERATOR ENVIRONMENT		
Adjustable Suspension Seat with Operator Presense Switch	\checkmark	
ROPS Folding	\checkmark	
ROPS Fixed		\checkmark
Seat Belt – 75 mm (3 in) high visibility orange	\checkmark	
Operator Console w/ Water Tank Gauge, Emergency Stop, and Glove Box	\checkmark	
12-volt Power Outlet	\checkmark	
Horn, Backup Alarm	\checkmark	
Sun Canopy		\checkmark
Seat – Side Shift		\checkmark
Dual Propel Levers		\checkmark
COMPACTION SYSTEM		
Folding Scrapers	\checkmark	
Fixed Scrapers		\checkmark
Vibe Selection – Front, Rear, or both	\checkmark	
Pressurized, Triple-Filtration Spray System with Test Mode	\checkmark	
Cocoa Mats		\checkmark
Edge Cutter Ready		\checkmark
Water Sprayer Antifreeze Kit		\checkmark
Ballast Kit – 200 kg (440 lb) (CB2.5, CB2.7, CB2.9)		\checkmark
Ballast Kit – 400 kg (880 lb) (CB2.5, CB2.7, CB2.9)		\checkmark
Ballast Kit - 100 kg (220 lb)		

	Standard	Optional
POWERTRAIN		
Auto Engine Off and Auto Warmup	\checkmark	
Air Cleaner, Dual Element	\checkmark	
Engine Belt Guard	\checkmark	
Traction Control (CB2.5, CB2.7, CB2.9)		\checkmark
Fuel Filter, Water Separator, Priming Pump, Water Indicator (CC2.7 only)	\checkmark	
TECHNOLOGY		
Telematics – ProductLink™	\checkmark	
Remote Flash / Troubleshoot		\checkmark
CMV - Compaction Measurement Value		\checkmark
ELECTRICAL		
LED Working Lights	\checkmark	
Battery Disconnect		\checkmark
LED Roading Lights		\checkmark
Rotating Amber Beacon		\checkmark
OTHER		
Vandal Protection – lockable hood, fuel fill, and controls cover	\checkmark	
Biodegradeable Hydraulic Oil		\checkmark
Bumpers		\checkmark
Machine Life and Tiedowns	\checkmark	
Offsets Hitch	\checkmark	
Single Point Lift		\checkmark
Custom Paint		\checkmark

(CC2.7 only)

Technical Specifications

Engine - Powertrain			
Engine Model	Cat®	C1.7T	
Global Emissions US EPA Tier 4 EU Stage V			
Number of Cylinders	3		
Rated Speed	2800	rpm	
Gross Power ISO 14396	36.0 kW	48.2 hp	
Net Power ISO 92491	35.5 kW	47.6 hp	
Exhaust gas aftertreatment type DOC/DPF		/DPF	

¹ Net Power is calculated at minimum cooling fan speed.

Machine Performance				
Maximum Machine Speed				
CB2.5, CB2.7, CB2.9	12 km/hr	7.5 mph		
CC2.7	11 km/hr	6.8 mph		
Theoretical Gradeability (no vibe) ²				
CB2.5	44%			
CB2.7	41%			
CB2.9	38%			
CC2.7	50%			

² Actual gradeability may vary based on site conditions and machine configuration. Refer to the Operation and Maintenance Manual for more information.

Vibratory System Spe	cifications	
Frequency		
High	64 Hz	3840 vpm
Low	53 Hz	3180 vpm
Amplitude		
CB2.5	0.51 mm	0.020 in
CB2.7	0.52 mm	0.020 in
CB2.9	0.50 mm	0.020 in
CC2.7	0.52 mm	0.020 in
Maximum Centrifugal Force		
CB2.5	30 kN	6697 lbf
CB2.7	35 kN	7929 lbf
CB2.9	36 kN	8109 lbf
CC2.7	35 kN	7929 lbf

Standard Machine Operating Weight with ROPS CB2.5 2521 kg 5546 lb CB2.7 2698 kg 5936 lb CB2.9 2916 kg 6415 lb CC2.7 2599 kg 5718 lb Maximum Machine Weight ⁴ 5546 lb 5546 lb CB2.5 3021 kg 6646 lb CB2.7 3198 kg 7036 lb CB2.9 3416 kg 7515 lb CC2.7 2779 kg 6114 lb Operating Weight (Front) 5528 lb 1185 kg 2607 lb CB2.9 1301 kg 2861 lb 282.9 CB2.7 1301 kg 2882 lb 200 lb CC2.7 1310 kg 2882 lb 200 lb CB2.9 1336 kg 2039 lb 282.9 CB2.9 1338 kg 3075 lb 282.9 CB2.7 1338 kg 3075 lb 2836 lb CB2.7 1338 kg 3355 lb 202.7 CB2.9 1525 kg 3355 lb 202.7 CB2.7 328 kg	Machine Weights	3			
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Weight per Tire – Operating Weight 322 kg 709 lb CC2.7 322 kg 709 lb Static Linear Load – Operating Weight (Front) 66.2 lb/in CB2.5 11.85 kg/cm 66.2 lb/in CB2.7 13.0 kg/cm 60.6 lb/in CB2.9 13.9 kg/cm 59.8 lb/in CC2.7 13.1 kg/cm 61.0 lb/in Static Linear Load – Operating Weight (Rear) 59.8 lb/in CB2.5 13.36 kg/cm 74.7 lb/in CB2.5 13.36 kg/cm 65.1 lb/in	CB2.9	1525 kg	3355 lb		
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Static Linear Load – Operating Weight (Front) CB2.5 11.85 kg/cm 66.2 lb/in CB2.7 13.0 kg/cm 60.6 lb/in CB2.9 13.9 kg/cm 59.8 lb/in CC2.7 13.1 kg/cm 61.0 lb/in Static Linear Load – Operating Weight (Rear) 59.8 lb/in 51.0 lb/in CB2.5 13.36 kg/cm 74.7 lb/in CB2.7 14.0 kg/cm 65.1 lb/in	Weight per Tire – Operating Weight				
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Static Linear Load – Operating Weight (Rear)CB2.513.36 kg/cm74.7 lb/inCB2.714.0 kg/cm65.1 lb/in	CB2.9	13.9 kg/cm	59.8 lb/in		
CB2.5 13.36 kg/cm 74.7 lb/in CB2.7 14.0 kg/cm 65.1 lb/in	CC2.7	13.1 kg/cm	61.0 lb/in		
CB2.7 14.0 kg/cm 65.1 lb/in	Static Linear Load – Operating Weight (Rear)				
	CB2.5	13.36 kg/cm	74.7 lb/in		
CB2.9 15.3 kg/cm 65.6 lb/in	CB2.7	14.0 kg/cm	65.1 lb/in		
	CB2.9	15.3 kg/cm	65.6 lb/in		

³ Operating Weights include coolant, lubricants, full fuel tank, 50% water, and 80 kg (176 lb) operator.

⁴ Maximum Machine Weight includes all options, heaviest blast configuration, full fluids, and 80 kg (176 lb) operator.

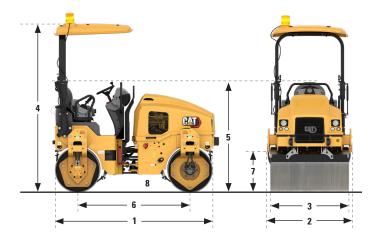
Technical Specifications

Electrical	
System Voltage	12 v
Battery Capacity	750 CCA
Alternator	85 Amp

	Dimensions		
1	Overall Length*	2596 mm	102.2 in
2	Overall Width		
	CB2.5	1112 mm	43.8 in
	CB2.7	1312 mm	51.7 in
	CB2.9	1412 mm	55.6 in
	CC2.7	1312 mm	51.7 in
3	Drum Width		
	CB2.5	1000 mm	39.4 in
	CB2.7	1200 mm	47.2 in
	CB2.9	1300 mm	51.2 in
	CC2.7	1200 mm	47.2 in
	Drum Shell Thickness	14 mm	0.6 in
	Drum Diameter	720 mm	28.3 in
	Drum Offset	50 mm	2.0 in
4	Overall Height		
	with ROPS**	2595 mm	102.2 in
	with ROPS and Canopy**	2709 mm	106.7 in
5	Transport Height with foldable ROPS	1799 mm	70.8 in
6	Wheelbase	1800 mm	70.9 in
7	Curb Clearance	453 mm	17.8 in
8	Ground Clearance	285 mm	11.2 in
	Inside Turning Radius		
	CB2.5	2640 mm	103.9 in
	CB2.7	2540 mm	100.0 in
	CB2.9	2490 mm	98.0 in
	CC2.7	2540 mm	100.0 in
	Outside Turning Radius		
	CB2.5	3640 mm	143.3 in
	CB2.7	3740 mm	147.2 in
	CB2.9	3790 mm	149.2 in
	CC2.7	3740 mm	147.2 in

Miscellaneous	
Articulation Angle	32°
Oscillation Angle	6°
Number of Tires (CC2.7)	4

Service Refill Capacities				
Fuel Tank (total capacity)	55 L	14.37 gal		
Water Spray Tank (total capacity)				
CB2.5, CB2.7, CB2.9	200 L	52.80 gal		
CC2.7	160 L	42.24 gal		
Emulsion Tank (total capacity) CC2.7 only	26 L	6.86 gal		
Cooling System	8.3 L	2.19 gal		
Engine Oil with Filter	6.3 L	1.66 gal		
Hydraulic Tank (service refill)	21 L	5.54 gal		



*Bumper option adds 95 mm (3.7 in) **Beacon option adds 175 mm (6.8 in)

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