



# Cat<sup>®</sup> CB2.5, CB2.7, CB2.9, CC2.7 *Utility Compactors*

The Cat<sup>®</sup> 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 Cat<sup>®</sup> 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<sup>™</sup> 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 visibility 75 mm (3 in) orange seatbelt to make job site safety visible
- Seat with operator presence 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											
Application	Layer Thickness mm (in)	0 - 1.8 Tons		1.8 - 3 Tons				3 - 5 Tons			
		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	
		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)	
Asphalt	Walking Paths, Driveways, Patchwork	25 - 50 (1 - 2)	Best	Best	Better	Better	Better	Good	Good	Good	Good
		50 - 100 (2 - 3)	Best	Best	Better	Better	Better	Good	Good	Good	Good
	Parking Lots, Urban Streets	25 - 50 (1 - 2)	Better	Best	Best	Best	Best	Best	Better	Better	Better
		50 - 100 (2 - 3)	Better	Better	Best	Best	Best	Best	Better	Better	Best
Roads, Highways	25 - 50 (1 - 2)	Good	Good	Better	Better	Better	Best	Best	Best	Best	
	50 - 100 (2 - 3)	Good	Good	Better	Better	Better	Better	Best	Best	Best	
Soil	Landscaping	< 100 (4)	Best	Best	Better	Better	Better	Good	Good	Good	Good
	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



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## Standard and Optional Equipment

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

	Standard	Optional		Standard	Optional
<b>OPERATOR ENVIRONMENT</b>			<b>POWERTRAIN</b>		
Adjustable Suspension Seat with Operator Presense Switch	✓		Auto Engine Off and Auto Warmup	✓	
ROPS Folding	✓		Air Cleaner, Dual Element	✓	
ROPS Fixed		✓	Engine Belt Guard	✓	
Seat Belt – 75 mm (3 in) high visibility orange	✓		Traction Control (CB2.5, CB2.7, CB2.9)		✓
Operator Console w/ Water Tank Gauge, Emergency Stop, and Glove Box	✓		Fuel Filter, Water Separator, Priming Pump, Water Indicator (CC2.7 only)	✓	
12-volt Power Outlet	✓		<b>TECHNOLOGY</b>		
Horn, Backup Alarm	✓		Telematics – ProductLink™	✓	
Sun Canopy		✓	Remote Flash / Troubleshoot		✓
Seat – Side Shift		✓	CMV - Compaction Measurement Value		✓
Dual Propel Levers		✓	<b>ELECTRICAL</b>		
<b>COMPACTION SYSTEM</b>			LED Working Lights	✓	
Folding Scrapers	✓		Battery Disconnect		✓
Fixed Scrapers		✓	LED Rooding Lights		✓
Vibe Selection – Front, Rear, or both	✓		Rotating Amber Beacon		✓
Pressurized, Triple-Filtration Spray System with Test Mode	✓		<b>OTHER</b>		
Cocoa Mats		✓	Vandal Protection – lockable hood, fuel fill, and controls cover	✓	
Edge Cutter Ready		✓	Biodegradeable Hydraulic Oil		✓
Water Sprayer Antifreeze Kit		✓	Bumpers		✓
Ballast Kit – 200 kg (440 lb) (CB2.5, CB2.7, CB2.9)		✓	Machine Life and Tiedowns	✓	
Ballast Kit – 400 kg (880 lb) (CB2.5, CB2.7, CB2.9)		✓	Offsets Hitch	✓	
Ballast Kit - 100 kg (220 lb) (CC2.7 only)			Single Point Lift		✓
			Custom Paint		✓

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## Technical Specifications

### Engine - Powertrain

Engine Model	Cat® C1.7T	
Global Emissions	US EPA Tier 4 Final EU Stage V	
Number of Cylinders	3	
Rated Speed	2800 rpm	
Gross Power ISO 14396	36.0 kW	48.2 hp
Net Power ISO 9249 <sup>1</sup>	35.5 kW	47.6 hp
Exhaust gas aftertreatment type	DOC/DPF	

<sup>1</sup> 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 vibs) <sup>2</sup>		
CB2.5	44%	
CB2.7	41%	
CB2.9	38%	
CC2.7	50%	

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

### Vibratory System Specifications

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

### Machine Weights<sup>3</sup>

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<sup>4</sup>

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)

CB2.5	1185 kg	2607 lb
CB2.7	1301 kg	2861 lb
CB2.9	1391 kg	3060 lb
CC2.7	1310 kg	2882 lb

#### Operating Weight (Rear)

CB2.5	1336 kg	2939 lb
CB2.7	1398 kg	3075 lb
CB2.9	1525 kg	3355 lb
CC2.7	1289 kg	2836 lb

#### Weight per Tire – Operating Weight

CC2.7	322 kg	709 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)

CB2.5	13.36 kg/cm	74.7 lb/in
CB2.7	14.0 kg/cm	65.1 lb/in
CB2.9	15.3 kg/cm	65.6 lb/in

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

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

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## Technical Specifications

### Electrical

System Voltage	12 v
Battery Capacity	750 CCA
Alternator	85 Amp

### Dimensions

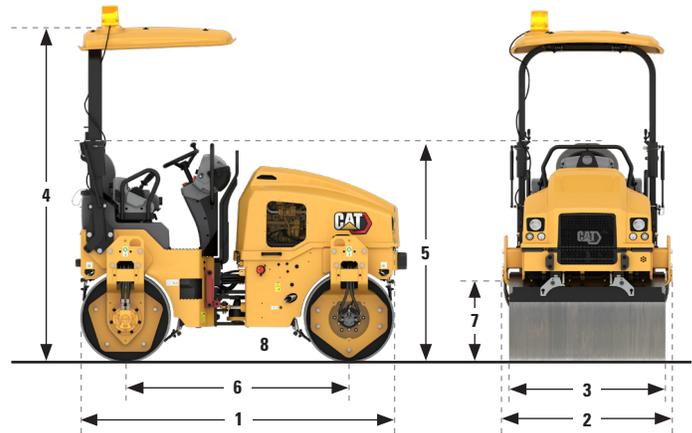
<b>1</b> Overall Length*	2596 mm	102.2 in
<b>2</b> Overall Width		
CB2.5	1112 mm	43.8 in
CB2.7	1312 mm	51.7 in
CB2.9	1412 mm	55.6 in
CC2.7	1312 mm	51.7 in
<b>3</b> Drum Width		
CB2.5	1000 mm	39.4 in
CB2.7	1200 mm	47.2 in
CB2.9	1300 mm	51.2 in
CC2.7	1200 mm	47.2 in
Drum Shell Thickness	14 mm	0.6 in
Drum Diameter	720 mm	28.3 in
Drum Offset	50 mm	2.0 in
<b>4</b> Overall Height		
with ROPS**	2595 mm	102.2 in
with ROPS and Canopy**	2709 mm	106.7 in
<b>5</b> Transport Height with foldable ROPS	1799 mm	70.8 in
<b>6</b> Wheelbase	1800 mm	70.9 in
<b>7</b> Curb Clearance	453 mm	17.8 in
<b>8</b> 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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