



# Cat<sup>®</sup> CB4.0, CB4.4, CC4.0

## Utility Compactors

The Cat<sup>®</sup> line of 3-5 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 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 800 mm (31.5 in) drum diameters for smooth mat finish
- 16 mm (0.6 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

- Product link 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 (CB4.0, CB4.4)		✓
Operator Console w/ Water Tank Gauge, Emergency Stop, and Glove Box	✓		Fuel Filter, Water Separator, Priming Pump, Water Indicator	✓	
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		✓
Vibe Selection – Front, Rear, or both	✓		LED Rooding Lights		✓
Pressurized, Triple-Filtration Spray System with Test Mode	✓		Rotating Amber Beacon		✓
Cocoa Mats		✓	<b>OTHER</b>		
Edge Cutter Ready		✓	Vandal Protection – lockable hood, fuel fill, and controls cover	✓	
Water Sprayer Antifreeze Kit		✓	Biodegradeable Hydraulic Oil		✓
Ballast Kit – 200 kg (440 lb) (CC4.0)		✓	Bumpers		✓
Ballast Kit – 400 kg (880 lb) (CB4.0, CB4.4)		✓	Machine Life and Tiedowns	✓	
Ballast Kit - 542 kg (1194.91 lb) (CB4.0, CB4.4)		✓	Offsets Hitch	✓	
			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 maximum cooling fan speed.

### Machine Performance

Maximum Machine Speed		
CB4.0, CB4.4	13 km/hr	8.1 mph
CC4.0	12 km/hr	7.5 mph
Theoretical Gradeability (no vibs) <sup>2</sup>		
CB4.0	46%	
CB4.4	44%	
CC4.0	49%	

<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	55 Hz	3300 vpm
Low	45 Hz	2700 vpm
Amplitude		
CB4.0	0.50 mm	0.020 in
CB4.4	0.49 mm	0.019 in
CC4.0	0.50 mm	0.020 in
Maximum Centrifugal Force		
CB4.0	33.47 kN	7524 lbf
CB4.4	34.82 kN	7828 lbf
CC4.0	33.47 kN	7524 lbf

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

Standard Machine Operating Weight with ROPS		
CB4.0	3623 kg	7971 lb
CB4.4	3801 kg	8362 lb
CC4.0	3586 kg	7889 lb
Maximum Machine Weight <sup>4</sup>		
CB4.0	4315 kg	9493 lb
CB4.4	4493 kg	9885 lb
CC4.0	3936 kg	8659 lb
Operating Weight (Front)		
CB4.0	1744 kg	3837 lb
CB4.4	1810 kg	3982 lb
CC4.0	1781 kg	3918 lb
Operating Weight (Rear)		
CB4.0	1879 kg	4134 lb
CB4.4	1991 kg	4380 lb
CC4.0	1805 kg	3971 lb
Weight per Tire – Operating Weight		
CC4.0	451 kg	992 lb
Static Linear Load – Operating Weight (Front)		
CB4.0	13.42 kg/cm	75.0 lb/in
CB4.4	12.93 kg/cm	72.2 lb/in
CC4.0	13.70 kg/cm	76.6 lb/in
Static Linear Load – Operating Weight (Rear)		
CB4.0	14.45 kg/cm	80.8 lb/in
CB4.4	14.22 kg/cm	79.5 lb/in
CC4.0	13.88 kg/cm	77.6 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

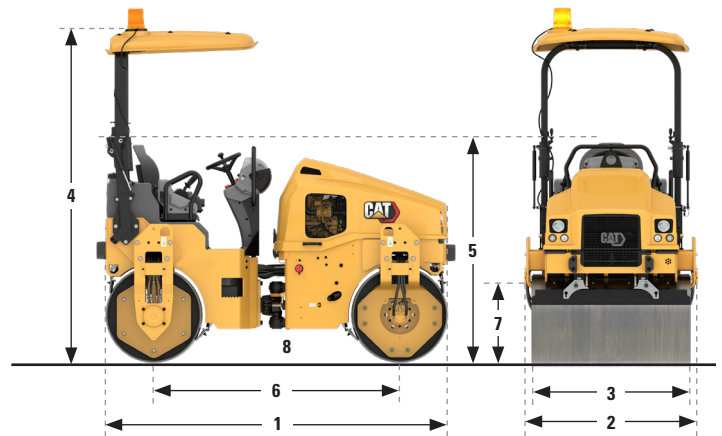
<b>1</b> Overall Length*	2853 mm	112.3 in
<b>2</b> Overall Width		
CB4.0	1400 mm	55.1 in
CB4.4	1500 mm	59.1 in
CC4.0	1400 mm	55.1 in
<b>3</b> Drum Width		
CB4.0	1300 mm	51.2 in
CB4.4	1400 mm	55.1 in
CC4.0	1300 mm	51.2 in
Drum Shell Thickness	16 mm	0.6 in
Drum Diameter	800 mm	31.5 in
Drum Offset	50 mm	2.0 in
<b>4</b> Overall Height		
with ROPS**	2660 mm	104.7 in
with ROPS and Canopy**	2774 mm	109.2 in
<b>5</b> Transport Height with foldable ROPS	1932 mm	76.1 in
<b>6</b> Wheelbase	2050 mm	80.7 in
<b>7</b> Curb Clearance	499 mm	19.6 in
<b>8</b> Ground Clearance	284 mm	11.2 in
Inside Turning Radius		
CB4.0	2926 mm	115.2 in
CB4.4	2876 mm	113.2 in
CC4.0	2926 mm	115.2 in
Outside Turning Radius		
CB4.0	4226 mm	166.4 in
CB4.4	4276 mm	168.3 in
CC4.0	4226 mm	166.4 in

### Miscellaneous

Articulation Angle	32°
Oscillation Angle	9°
Number of Tires (CC4.0)	4

### Service Refill Capacities

Fuel Tank (total capacity)	81 L	21.43 gal
Water Spray Tank (total capacity)		
CB4.0, CB4.4	300 L	79 gal
CC4.0	230 L	61 gal
Emulsion Tank (total capacity) CC4.0 only	34.7 L	9.16 gal
Cooling System	8.8 L	2.32 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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