



Cat[®] CB4.0, CB4.4, CC4.0

Utility Compactors

The Cat[®] 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

- 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 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



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Standard and Optional Equipment

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

	Standard	Optional		Standard	Optional
OPERATOR ENVIRONMENT			POWERTRAIN		
Adjustable Suspension Seat with Operator Presence 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	✓		On-demand Hydraulic Cooling Fan	✓	
Horn, Backup Alarm	✓		TECHNOLOGY		
Sun Canopy		✓	Telematics – ProductLink™	✓	
Seat – Side Shift		✓	Remote Flash / Troubleshoot		✓
Dual Propel Levers		✓	CMV - Compaction Measurement Value		✓
COMPACTION SYSTEM			ELECTRICAL		
Folding Scrapers	✓		LED Working Lights	✓	
Vibe Selection – Front, Rear, or both	✓		Battery Disconnect		✓
Pressurized, Triple-Filtration Spray System with Test Mode	✓		LED Rooding Lights		✓
Cocoa Mats		✓	Rotating Amber Beacon		✓
Edge Cutter Ready		✓	OTHER		
Water Sprayer Antifreeze Kit		✓	Vandal Protection – lockable hood, fuel fill, and controls cover	✓	
Ballast Kit – 200 kg (440 lb) (CC4.0)		✓	Biodegradeable Hydraulic Oil		✓
Ballast Kit – 400 kg (880 lb) (CB4.0, CB4.4)		✓	Bumpers		✓
Ballast Kit - 542 kg (1194.91 lb) (CB4.0, CB4.4)		✓	Machine Life and Tiedowns	✓	
			Offsets Hitch	✓	
			Custom Paint		✓

Utility Compactor Application Guide											
			0 - 1.8 Tons		1.8 - 3 Tons				3 - 5 Tons		
	Application	Layer Thickness mm (in)	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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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 ¹	35.5 kW	47.6 hp
Exhaust gas aftertreatment type	DOC/DPF	

¹ 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) ²		
CB4.0	46%	
CB4.4	44%	
CC4.0	49%	

² 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 Weights³

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 ⁴		
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

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 ballast 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

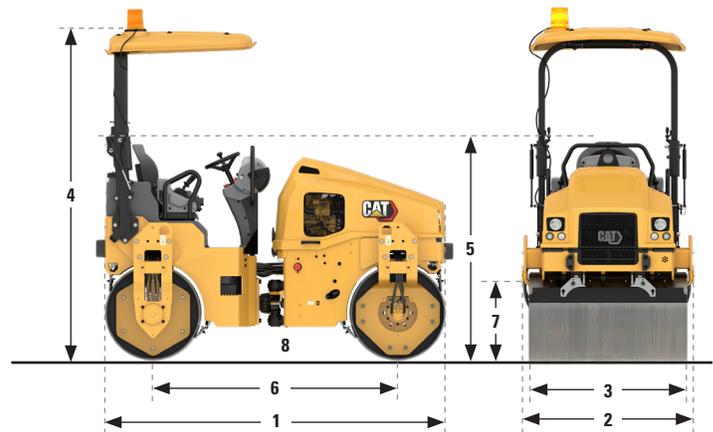
1 Overall Length*	2853 mm	112.3 in
2 Overall Width		
CB4.0	1400 mm	55.1 in
CB4.4	1500 mm	59.1 in
CC4.0	1400 mm	55.1 in
3 Drum Width		
CB4.0	1300 mm	51.2 in
CB4.4	1400 mm	55.1 in
CC4.0	1300 mm	51.2 in
Drum Shell Thickness	16 mm	0.6 in
Drum Diameter	800 mm	31.5 in
Drum Offset	50 mm	2.0 in
4 Overall Height		
with ROPS**	2660 mm	104.7 in
with ROPS and Canopy**	2774 mm	109.2 in
5 Transport Height with foldable ROPS	1932 mm	76.1 in
6 Wheelbase	2050 mm	80.7 in
7 Curb Clearance	499 mm	19.6 in
8 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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Environmental Declaration

The following information applies to the machine at the time of final manufacture as configured for sale in the regions covered in this document. The content of this declaration is valid as of the date issued; however, content related to machine features and specifications are subject to change without notice. For additional information, please see the machine's Operation and Maintenance Manual.

For more information on sustainability in action and our progress, please visit www.caterpillar.com/en/company/sustainability.html.

ENGINE

- The Cat C1.7T is available in configurations that meet U.S. EPA Tier 4 Final and EU Stage V emission standards.
- Cat diesel engines are required to use ULSD (ultra-low sulfur diesel fuel with 15 ppm of sulfur or less) or ULSD blended with the following lower-carbon intensity fuels up to:
 - ✓ 20% biodiesel FAME (fatty acid methyl ester)
 - ✓ 100% renewable diesel, HVO (hydrogenated vegetable oil) and GTL (gas-to-liquid) fuels

Refer to guidelines for successful application. Please consult your Cat dealer or "Caterpillar Machine Fluids Recommendations" (SEBU6250) for details.

PAINT

- Based on best available knowledge, the maximum allowable concentration, measured in parts per million (PPM), of the following heavy metals in paint are:
 - Barium < 0.01%
 - Cadmium < 0.01%
 - Chromium < 0.01%
 - Lead < 0.01%

SOUND PERFORMANCE

With cooling fan speed at 70% of maximum value:

Operator Sound Pressure Level (ISO 6396:2008) – 88 dB(A)

Exterior Sound Power Level (ISO 6395:2008) – 106 dB(A)

- Hearing protection may be needed when operating with an open operator station for extended periods or in a noisy environment.

OILS AND FLUIDS

- Caterpillar factory fills with ethylene glycol coolants. Cat Diesel Engine Antifreeze/Coolant (DEAC) and Cat Extended Life Coolant (ELC) can be recycled. Consult your Cat dealer for more information.
- Cat BIO HYDO™ Advanced is an EU Ecolabel approved biodegradable hydraulic oil.
- Additional fluids are likely to be present, please consult the Operations and Maintenance Manual or the Application and Installation guide for complete fluid recommendations and maintenance intervals.

FEATURES AND TECHNOLOGY

- The following features and technology may contribute to fuel savings and/or carbon reduction. Features may vary. Consult your Cat dealer for details.
 - Advanced hydraulic system balances power and efficiency
 - Hydraulic on demand fan changes speed with temperature
 - Extended maintenance intervals reduce fluid and filter consumption
 - Auto idle shutdown reduces unproductive hours and fuel burned

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For more information on Cat products, dealer services, and industry solutions visit us on the web at www.cat.com.

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Materials and specifications are subject to change without notice. Featured machines in photos may include additional equipment. See your Cat dealer for available options.

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