



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

- Intuitive, multi-function control panel with vandal protection enables good performance.
- Easy viewing LCD display and vibrant LED lights on the control panel simplify operation for both day and night operation.
- 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.
- Cat[®] C2.2 engine with 36.6 kW (49.1 hp).

Best-In-Class Water Spray System

- 308 L (81 gal) water tank can last up to 10 hours without refilling.
Note: CC4.0 water tank capacity is 241 L (64 gal).
- Variable spray modes optimize water usage.
- Triple filtration delivers reliable performance and simplifies service.
- Self-adjusting, spring-loaded scrapers keep the drum clean, distribute water, and lower water consumption.

Optimized Power

- Powerful Cat C2.2 engine meets regional emission standards.
- Eco-mode and electronic engine control reduces fuel consumption.
- Traction control option helps ensure maximum gradeability.
- Fast travel speed of 13.5 kph (8 mph) for good mobility.

Designed for Rental

- Easy operation with intuitive controls.
- 500 hour oil change interval to reduce maintenance time and costs.
- VisionLink[®] for remote monitoring of machine location and status.
- 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 Warm-up	✓	
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/ LCD Display and Emergency Stop	✓		Fuel Filter, Water Separator, Priming Pump, Water Indicator	✓	
Dual 12-volt Power Outlets	✓		On-demand Hydraulic Cooling Fan	✓	
Horn, Backup Alarm	✓		TECHNOLOGY		
Sun Canopy		✓	Telematics – VisionLink®	✓	
Seat – Side Shift		✓	ELECTRICAL		
Dual Propel Levers		✓	Battery Disconnect		✓
COMPACTION SYSTEM			LED Rooding Lights		✓
Folding Scrapers	✓		Rotating Amber Beacon		✓
Vibe Selection – Front, Rear, or both	✓		OTHER		
Pressurized, Triple-Filtration Spray System with Test Mode	✓		Vandal Protection – lockable hood, fuel fill, and controls cover	✓	
Cocoa Mats		✓	Biodegradable Hydraulic Oil		✓
Edge Cutter Ready		✓	Machine Life and Tiedowns	✓	
Water Sprayer Antifreeze Kit		✓	Offsets Hitch	✓	
Ballast Kit – 400 kg (880 lb) (CB4.0)		✓	Custom Paint		✓
Ballast Kit - 542 kg (1194.91 lb) (CB4.4)		✓			
Ballast Kit - 200 kg (440.6 lb) (CC4.0)		✓			

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 C2.2	
Global Emissions	Brazil MAR-1 emission standards, equivalent to U.S. EPA Tier 4 Interim and EU Stage IIIA	
Number of Cylinders	4	
Rated Speed	2800 rpm	
Gross Power ISO 14396	36.6 kW	49.1 hp
Net Power ISO 9249 ¹	36.1 kW	48.4 hp
Exhaust gas aftertreatment type	Muffler	

Machine Performance

Maximum Machine Speed		
CB4.0, CB4.4	13.5 km/hr	8.0 mph
CC4.0	12.0 km/hr	7.5 mph
Theoretical Gradeability (no vibs) ²		
CB4.0	46%	
CB4.4	44%	
CC4.0	49%	

Vibratory System Specifications

Frequency		
High	55 Hz	3300 vpm
Low	48 Hz	2880vpm
Amplitude	0.50 mm	0.020 in
Maximum Centrifugal Force		
CB4.0	33.9 kN	7621 lbf
CB4.4	35.9 kN	8071 lbf
CC4.0	33.9 kN	7621 lbf

Machine Weights³

Standard Machine Operating Weight with ROPS		
CB4.0	3700 kg	8157 lb
CB4.4	3803 kg	8385 lb
CC4.0	3378 kg	7446 lb
Maximum Machine Weight ⁴		
CB4.0	4313 kg	9508 lb
CB4.4	4417 kg	9738 lb
CC4.0	3792 kg	8342 lb
Static Linear Load		
CB4.0	14.2 kg/cm	80.0 lb/in
CB4.4	13.6 kg/cm	76.0 lb/in
CC4.0	13.0 kg/cm	73.0 lb/in

¹ Net Power is calculated at maximum cooling fan speed.

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

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	880 CCA
Alternator	65 Amp

Dimensions

1	Overall Length	2859 mm	113.0 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*	2765 mm	109.0 in
5	Transport Height with foldable ROPS	1932 mm	76.1 in
6	Wheelbase	2050 mm	80.7 in
7	Curb Clearance	520 mm	20.0 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

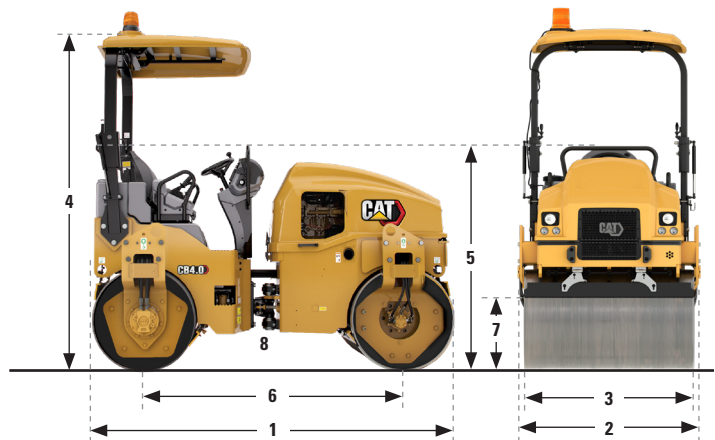
*Beacon option adds 175 mm (6.8 in)

Miscellaneous

Articulation Angle	32°
Oscillation Angle	10°
Number of Tires (CC4.0)	4

Service Refill Capacities

Fuel Tank (total capacity)	91 L	24.0 gal
Water Spray Tank (total capacity)		
CB4.0, CB4.4	308 L	81 gal
CC4.0	241 L	64 gal
Emulsion Tank (total capacity) CC4.0 only	34.7 L	9.2 gal
Cooling System	13.0 L	3.4 gal
Engine Oil with Filter	10.5 L	2.8 gal
Hydraulic Tank (service refill)	22 L	5.8 gal



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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 C2.2 engine is available in configurations that meet Brazil MAR-1 emission standards, equivalent to U.S. EPA Tier 4 Interim and EU Stage IIIA emissions.
- 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 (hydrotreated 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.

**Engines with no aftertreatment devices can use higher blends, up to 100% biodiesel (for use of blends higher than 20% biodiesel, consult your Cat dealer).*

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 maximum value:

Operator Sound Pressure Level (ISO 6396:2008) – 81 dB(A)*

With cooling fan speed at 70% of maximum value:

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
 - Standard eco-mode limits engine RPM, lowering overall fuel consumption compared to high idle

RECYCLING

- The materials included in machines are categorized as below with approximate weight percentage. Because of variations of product configurations, the following values in the table may vary.

Material Type	CB4.0 Weight Percentage	CB4.4 Weight Percentage	CC4.0 Weight Percentage
Steel	78.92%	78.61%	75.34%
Iron	11.31%	12.31%	10.08%
Nonferrous Metal	2.84%	2.81%	3.05%
Plastic	1.87%	1.50%	1.61%
Uncategorized	1.23%	1.25%	0.84%
Fluid	1.12%	1.09%	1.13%
Mixed-Metal & Nonmetal	1.04%	1.03%	0.90%
Other	0.77%	0.64%	0.67%
Mixed Metal	0.58%	0.45%	0.44%
Rubber	0.31%	0.30%	5.94%
Mixed Nonmetallic	0.00%	0.00%	0.00%
Total	100%	100%	100%

Recyclability 96% 96% 97%

- A machine with higher recyclability rate will ensure more efficient usage of valuable natural resources and enhance End-of-Life value of the product. According to ISO 16714 (Earthmoving machinery – Recyclability and recoverability – Terminology and calculation method), recyclability rate is defined as percentage by mass (mass fraction in percent) of the new machine potentially able to be recycled, reused or both.

All parts in the bill of material are first evaluated by component type based on a list of components defined by the ISO 16714 and Japan CEMA (Construction Equipment Manufacturers Association) standards. Remaining parts are further evaluated for recyclability based on material type.

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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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QEHQ3246 (08-2023)
Build Number 02A
(Brazil MAR-1, Tier 4 Interim,
EU Stage IIIA)

