



Cat[®] CB2.5 GC, CB2.7 GC, CC2.7 GC

Utility Compactors

The Cat[®] GC-Series 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[®] 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 18.4 kW (24.7 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

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



Cat® CB2.5 GC, CB2.7 GC, CC2.7 GC Utility Compactors

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 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 GC, CB2.7 GC)		✓
Operator Console w/ Water Tank Gauge, Emergency Stop, and Glove Box	✓		Fuel Filter, Water Separator, Priming Pump, Water Indicator	✓	
12-volt Power Outlet	✓		TECHNOLOGY		
Horn, Backup Alarm	✓		Telematics – ProductLink™	✓	
Sun Canopy		✓	Remote Flash / Troubleshoot		✓
Seat – Side Shift		✓	CMV - Compaction Measurement Value		✓
Dual Propel Levers		✓	ELECTRICAL		
COMPACTION SYSTEM			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	✓		OTHER		
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 GC, CB2.7 GC)		✓	Machine Life and Tiedowns	✓	
Ballast Kit – 400 kg (880 lb) (CB2.5 GC, CB2.7 GC)		✓	Offsets Hitch	✓	
Ballast Kit – 100 kg (220 lb) (CC2.7 GC only)		✓	Single Point Lift		✓
			Custom Paint		✓

Cat® CB2.5 GC, CB2.7 GC, CC2.7 GC Utility Compactors

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	2200 rpm	
Gross Power ISO 14396	18.4 kW	24.6 hp
Net Power ISO 9249 ¹	18.2 kW	24.4 hp
Exhaust gas aftertreatment type	Muffler	

¹ Net Power is calculated at minimum cooling fan speed.

Machine Performance

Maximum Machine Speed

CB2.5 GC, CB2.7 GC	9.4 km/hr	5.8 mph
CC2.7 GC	8.6 km/hr	5.3 mph

Theoretical Gradeability (no vibs)²

CB2.5 GC	44%
CB2.7 GC	41%
CC2.7 GC	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 Specifications

Frequency		
High	62 Hz	3720 vpm
Low	50 Hz	3000 vpm
Amplitude		
CB2.5 GC	0.51 mm	0.020 in
CB2.7 GC	0.52 mm	0.020 in
CC2.7 GC	0.52 mm	0.020 in
Maximum Centrifugal Force		
CB2.5 GC	26.2 kN	5885.3 lbf
CB2.7 GC	31.0 kN	6968.8 lbf
CC2.7 GC	31.0 kN	6968.8 lbf

Machine Weights³

Standard Machine Operating Weight with ROPS

CB2.5 GC	2521 kg	5546 lb
CB2.7 GC	2698 kg	5936 lb
CC2.7 GC	2599 kg	5718 lb

Maximum Machine Weight⁴

CB2.5 GC	3021 kg	6646 lb
CB2.7 GC	3198 kg	7036 lb
CC2.7 GC	2779 kg	6114 lb

Operating Weight (Front)

CB2.5 GC	1185 kg	2607 lb
CB2.7 GC	1301 kg	2861 lb
CC2.7 GC	1310 kg	2882 lb

Operating Weight (Rear)

CB2.5 GC	1336 kg	2939 lb
CB2.7 GC	1398 kg	3075 lb
CC2.7 GC	1289 kg	2836 lb

Weight per Tire – Operating Weight

CC2.7 GC	322 kg	709 lb
----------	--------	--------

Static Linear Load – Operating Weight (Front)

CB2.5 GC	11.85 kg/cm	66.2 lb/in
CB2.7 GC	13.01 kg/cm	60.7 lb/in
CC2.7 GC	13.10 kg/cm	61.0 lb/in

Static Linear Load – Operating Weight (Rear)

CB2.5 GC	13.36 kg/cm	74.7 lb/in
CB2.7 GC	13.98 kg/cm	65.1 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.

Cat® CB2.5 GC, CB2.7 GC, CC2.7 GC Utility Compactors

Technical Specifications

Electrical

System Voltage	12 v
Battery Capacity	750 CCA
Alternator	85 Amp

Dimensions

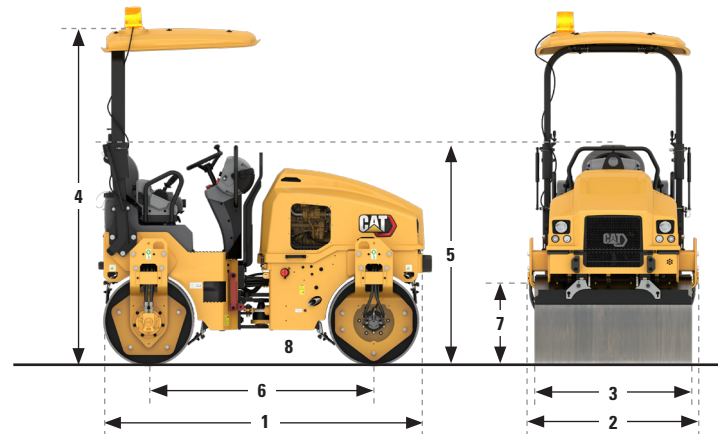
1 Overall Length*	2596 mm	102.2 in
2 Overall Width		
CB2.5 GC	1112 mm	43.8 in
CB2.7 GC	1312 mm	51.7 in
CC2.7 GC	1312 mm	51.7 in
3 Drum Width		
CB2.5 GC	1000 mm	39.4 in
CB2.7 GC	1200 mm	47.2 in
CC2.7 GC	1200 mm	47.2 in
Drum Shell Thickness	14 mm	0.6 in
Drum Diameter	720 mm	28.3 in
Drum Offset	50 mm	2.0 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 GC	2640 mm	103.9 in
CB2.7 GC	2540 mm	100.0 in
CC2.7 GC	2540 mm	100.0 in
Outside Turning Radius		
CB2.5 GC	3640 mm	143.3 in
CB2.7 GC	3740 mm	147.2 in
CC2.7 GC	3740 mm	147.2 in

Miscellaneous

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

Service Refill Capacities

Fuel Tank (total capacity)	55 L	14.37 gal
Water Spray Tank (total capacity)		
CB2.5 GC, CB2.7 GC	200 L	52.80 gal
CC2.7 GC	160 L	42.24 gal
Emulsion Tank (total capacity) (CC2.7 GC)	26 L	6.86 gal
Cooling System	7.9 L	2.09 gal
Engine Oil with Filter	6.0 L	1.58 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)

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

© 2021 Caterpillar
All rights reserved

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

CAT, CATERPILLAR, LET'S DO THE WORK, their respective logos, "Caterpillar Corporate Yellow," the "Power Edge" and Cat "Modern Hex" trade dress as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission.

QEHO2818-01 (05-2021)

Build Number: 03A

HRC

