Cat® Utility Compactors

Product Family Overview



The Next Generation of Utility Compactors

OVER 30 YEARS OF PRODUCT REFINEMENT



	CB1.7	CB1.8	CB2.5	CB2.5 GC	CB2.7	CB2.7 GC	CC2.7	CC2.7 GC	CB2.9	CB4.0	CC4.0	CB4.4
Previous Models	CB14B CB14		CB22B I CE	2B CB22 CB-214E (CB24B CB24 CB-224E		CC24B CC24 CB-225E		CB34B CB34	CC34B CC34	CB36B CB34 XW
Flevious Models	CB-113	CB-114	CB22B CB22 CB-214E		CD24D CD24 CD-224E		CC24B CC24 CB-223E		CB32	CB-334E		CB-334E XW
Drum Width	35 in (0.9 m)	39 in (1.0 m)	39 in (1.0 m)		47 in (1.2 m)		47 ir	n (1.2 m)	51 in (1.3 m)	51 in (1.3 m)	51 in (1.3 m)	55 in (1.4 m)
Operating Weight	3,538 lb (1,608 kg)	3,825 lb (1,739 kg)		546 lb 521 kg)		936 lb 698 kg)		718 lb 599 kg)	6,415 lb (2,916 kg)	7,971 lb (3,623 kg)	7,889 lb (3,586 kg)	8,362 lb (3,801 kg)
Engine Power	24.7 hp (18.4 kW)	24.7 hp (18.4 kW)	48.2 hp (36 kW)	24.6 hp (18.4 kW)	48.2 hp (36 kW)	24.6 hp (18.4 kW)	48.2 hp (36 kW)	24.6 hp (18.4 kW)	48.2 hp (36 kW)	48.2 hp (36 kW)	48.2 hp (36 kW)	48.2 hp (36 kW)



Application Guide

			0 - 1.8 Tons		1.8 – 3 Tons				3 - 5 Tons		
Material	Application	Layer	CB1.7	CB1.8	C2.5 CB2.5 GC	CB2.7 C2.7 GC	CC2.7 CC2.7 GC	CB2.9	CB4.0	CB4.4	CC4.0
Materiai		Thickness mm (in)	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)
	Walking Paths,	25 - 50 (1 - 2)	Best	Best	Better	Better	Better	Good	Good	Good	Good
	Driveways, Patchwork	50 - 100 (2 - 3)	Best	Best	Better	Better	Better	Good	Good	Good	Good
Asphalt	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
	Landscaping	< 100 (4)	Best	Best	Better	Better	Better	Good	Good	Good	Good
Soil	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



CB1.x Utility Compactors

Features At a Glance

Compaction

- Drum diameter is 575 mm (22.5 in) for smooth compaction performance
- Automatic vibration deactivation when the propel lever is in the neutral position
- Front, or both drum vibration capability
- Exclusive eccentric weight shaft delivers quick starting and stopping times
- Bearing service interval of 3 years or 3000 hours

Operator



Simple console design warning lights

Simple sealed toggle switches

Cable operated propel and engine speed for improved control

- ROPS fixed or rear folding (option)
- Multiple seat (options)
- Isolated operator seat for improved comfort
- Lockable vandal protection
- Excellent drum edge visibility

Hydraulics

- World class system components
- Increased gradeability
- Bio-oil (option)

Structures



Robust 3 Point Hitch

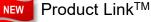
- o Offers smooth travel through oscillation
- Single Point Lifting (option)
 - Bolt-on attachment
 - Offers multiple transport options
 - o Enables the machine to be utilized in trench work
- Lighting guards (option)

Electrical



Fuse and relay electrical design

Simple Cat[®] trouble-shooting & service





Factory beacon (option)

- No machine controller
- Battery disconnect (option)
- Roading & working (option)
- IRH roading and working lights (option)
- Dual 12 v power ports

Other

- World-class water spray
 - o Industry leading 145 L (38 gal) tank
 - Pressurized continuous or intermittent
 - Triple filtration
 - Full drum coverage
- Spring-loaded, self-adjusting scrapers



Engine and Cooling



NEW Cat C1.1 Engine with 18.4 kW (24.7 hp)

- · Fuel efficient power
- · Meets regional emissions ✓ Tier 4 Final, EU Stage IIIA, China Stage III
- 49° C ambient capability
- · Easy to access service points
- 30 L (1.9 gal) fuel tank



С	B1.7	CB1.8			
Engine Power	18.4 kW (24.7 hp)	Engine Power	18.4 kW (24.7 hp)		
Compaction Width	900 mm (35 in)	Compaction Width	1000 mm (39 in)		
Operating Weight	1605 kg (3538 lb)	Operating Weight	1735 kg (3825 lb)		
Max Weight	1808 kg (3985 lb)	Max Weight	1953 kg (4305 lb)		
Amplitude	0.50 mm (0.019 in)	Amplitude	0.47 mm (0.018 in)		
Frequency	57 Hz (3420 vpm)	Frequency	57 Hz (3420 vpm)		
Max Speed	8.6 km/hr (5.3 mph)	Max Speed	8.6 km/hr (5.3 mph)		
Water Tank Volume	145 L (38 gal)	Water Tank Volume	145 L (38 gal)		
Fuel Tank Volume	30 L (7.9 gal)	Fuel Tank Volume	30 L (7.9 gal)		



CB2.x Utility Compactors

Features At a Glance

Water Spray System

- Water tank gauge for continuous monitoring from operator station
- NEW 4 nozzle spray bars with improved coverage
 - Triple filtration to prevent clogging
- NEW Spray test mode to test and adjust spray coverage
 - Large water tank for less fill ups

Technology

- Product Link for remote monitoring of machine location and status
- CMV compaction measurement value displayed to the operator for improved compaction performance and consistency

Safety

- 76 mm (3 in) high-visibility orange seatbelt
 - Slip resistant steps
- LED beacon from the factory (option)
- Lockable battery disconnect (option)
- Seat with operator presence switch (option)
- Multiple LED lighting packages (option)
 - Horizontally sliding operator seat for increased visibility (option)
 - Hitch lock to prevent articulation during service and transportation

Engine & Powertrain

- NEW Cat C1.7T with 360 kw (48.2 HP) @2800 rpm
 - Large 55 L (14.5 gal) fuel tank for long runtimes
- Auto idle shutdown for improved fuel economy

Serviceability & Reliability

- Cat controls with ET and remote flash/troubleshoot capability
- Fuse and relay design for simple trouble-shooting
- Long life vibe bearing service interval of 3 yr/3000 hr
- 500 hr engine oil change interval
- NEW Locking external fuel fill
- NEW Isolated and vented battery compartment

Productivity

- Large 720 mm (28 in) drum diameters for smooth mat finish
- 14 mm (0.55 in) thick drum shells for longer durability

 Two vibe frequencies for simple yet versatile operation
 - Spring loaded self adjusting scrapers (option)
 - Traction control for improved maneuverability (option)
 - Ballast kits to increased compactive effort (option)
- Offset hitch standard for easy compaction next to curbs
- Narrow frame design allows for better job surface visibility
- Auto vibe to prevent jobsite marking in neutral



Operator Station



Simple rocker switches and display
Glove box for easy storage

- Dual propel levers for added operator comfort (option)
- · Lockable vandal protection



CB2.x Utility Compactors

Specifications

C	B2.5	C	B2.7	C	B2.9	CC2.7	
Engine Power	36 kW (48.2 hp)	Engine Power	36 kW (48.2 hp)	Engine Power	36 kW (48.2 hp)	Engine Power	36 kW (48.2 hp)
Compaction Width	1000 mm (39 in)	Compaction Width	1200 mm (47 in)	Compaction Width	1300 mm (51 in)	Compaction Width	1200 (47 in)
Operating Weight	2521 kg (5546 lb)	Operating Weight	2698 kg (5936 lb)	Operating Weight	2916 kg (6415 lb)	Operating Weight	2599 kg (5718 lb)
Max Weight	3021 kg (6646 lb)	Max Weight	3198 kg (7036 lb)	Max Weight	3416 kg (7515 lb)	Max Weight	2779 kg (6114 lb)
Amplitude	0.51 mm (0.020 in)	Amplitude	0.52 mm (0.020 in)	Amplitude	0.50 mm (0.020 in)	Amplitude	0.52 mm (0.020 in)
Frequency	64/53 Hz (3840/3180 vpm)	Frequency	64/53 Hz (3840/3180 vpm)	Frequency	64/53 Hz (3840/3180 vpm)	Frequency	64/53 Hz (3840/80 vpm)
Max Speed	12 km/hr (7.5 mph)	Max Speed	12 km/hr (7.5 mph)	Max Speed	12 km/hr (7.5 mph)	Max Speed	11 km/hr (6.8 mph)
Water Tank Volume	200 L (53 gal)	Water Tank Volume	200 L (53 gal)	Water Tank Volume	200 L (53 gal)	Water Tank Volume	160 L (42 gal)
Fuel Tank Volume	55 L (14 gal)	Fuel Tank Volume	55 L (14 gal)	Fuel Tank Volume	55 L (14 gal)	Fuel Tank Volume	55 L (14 gal)



CB2.x GC Utility Compactors

Features At a Glance

Water Spray System

- Water tank gauge for continuous monitoring from operator station
- 4 nozzle spray bars with improved coverage
- Triple filtration to prevent clogging
- NEW Spray test mode to test and adjust spray coverage
 - Large water tank for less fill ups

Technology

- Product Link for remote monitoring of machine location and status
- CMV compaction measurement value displayed to the operator for improved compaction performance and consistency

Safety

- 76 mm (3 in) High-visibility orange seatbelt
 - Slip resistant steps
- NEW LED beacon from the factory (option)
- Lockable battery disconnect (option)
- Seat with operator presence switch (option)
- Multiple LED lighting packages (option)
 - Horizontally sliding operator seat for increased visibility (option)
 - Hitch lock to prevent articulation during service and transportation

Engine & Powertrain

- Cat C1.7T with 18.4 kw (24.6 HP) @2800 rpm
- Large 55 L (14.5 gal) fuel tank for long runtimes
- NEW Auto idle shutdown for improved fuel economy

Serviceability & Reliability

- Cat controls with ET and remote flash/troubleshoot capability
 - Fuse and relay design for simple trouble-shooting
- Long life vibe bearing service interval of 3 yr/3000 hr
- 500 hr engine oil change interval
- NEW Locking external fuel fill
- NEW Isolated and vented battery compartment

Productivity

- Large 720 mm (28 in) drum diameters for smooth mat finish
- 14 mm (0.55 in) thick drum shells for longer durability

 Two vibe frequencies for simple yet versatile operation
 - Spring loaded self adjusting scrapers (option)
 - Traction control for improved maneuverability (option)
 - Ballast kits to increased compactive effort (option)
 - Offset hitch standard for easy compaction next to curbs
 - Narrow frame design allows for better job surface visibility
- Auto vibe to prevent jobsite marking in neutral



Operator Station



Simple rocker switches and display Glove box for easy storage

- Dual propel levers for added operator comfort (option)
- Lockable vandal protection



CB2.x GC Utility Compactors

Specifications

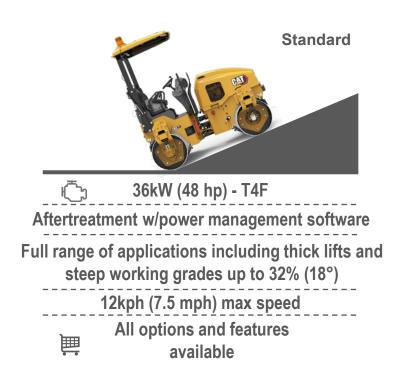
СВ	2.5 GC	СВ	32.7 GC	CC2.7 GC		
Engine Power	18.4 kW (24.6 hp)	Engine Power	18.4 kW (24.6 hp)	Engine Power	18.4 kW (24.6 hp)	
Compaction Width	1000 mm (39 in)	Compaction Width	1200 mm (47 in)	Compaction Width	1200 mm (47 in)	
Operating Weight	2521 kg (5546 lb)	Operating Weight	2698 kg (5936 lb)	Operating Weight	2599 kg (5718 lb)	
Max Weight	3021 kg (6646 lb)	Max Weight	3198 kg (7036 lb)	Max Weight	2779 kg (6114 lb)	
Amplitude	0.51 mm (0.020 in)	Amplitude	0.52 mm (0.020 in)	Amplitude	0.52 mm (0.020 in)	
Frequency	62/50 Hz (3720/3000 vpm)	Frequency	62/50 Hz (3720/3000 vpm)	Frequency	62/50 Hz (3720/3000 vpm)	
Max Speed	9.4 km/hr (5.8 mph)	Max Speed	9.4 km/hr (5.8 mph)	Max Speed	8.6 km/hr (5.3 mph)	
Water Tank Volume	200 L (53 gal)	Water Tank Volume	200 L (53 gal)	Water Tank Volume	160 L (42 gal)	
Fuel Tank Volume	55 L (14 gal)	Fuel Tank Volume	55 L (14 gal)	Fuel Tank Volume	55 L (14 gal)	



Full Line of Choices

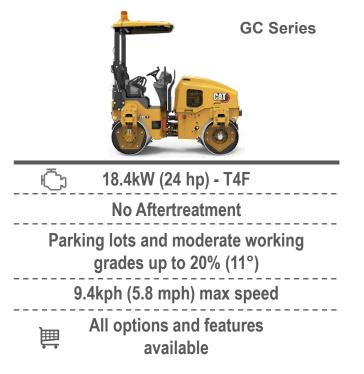
Standard vs GC Series

Both product lines are well suited for a variety of applications including asphalt compaction, base prep and even landscaping. New engine offerings are now available in each of these product lines which are designed to meet different customer needs. Compaction performance, working speed and machine weight are equal which leaves only a few key areas to focus on when deciding which machine is right for the application.



Key Differences

- GC has 22% less travel speed
- GC has 37% less gradeability
- GC has 50% less power and no aftertreatment





CB4.x Utility Compactors

Features At a Glance

Water Spray System

- Water tank gauge for continuous monitoring from operator station
- NEW 4 nozzle spray bars with improved coverage
 - Triple filtration to prevent clogging
- NEW Spray test mode to test and adjust spray coverage
 - Large water tank for less fill ups

Technology

- Product Link for remote monitoring of machine location and status
- CMV compaction measurement value displayed to the operator for improved compaction performance and consistency

Safety

- NEW 76 mm (3 in) high-visibility orange seatbelt
- Slip resistant steps
- LED beacon from the factory (option)
 - Lockable battery disconnect (option)
- Seat with operator presence switch (option)
- NEW Multiple LED lighting packages (option)
 - Horizontally sliding operator seat for increased visibility (option)
 - Hitch lock to prevent articulation during service and transportation

Engine & Powertrain

- Cat C1.7T with 36.0 kw (48.2 HP) @2800 rpm
- Large 81 L (21 gal) fuel tank for long runtimes
- NEW Auto idle shutdown for improved fuel economy

Serviceability & Reliability

- Cat controls with ET and remote flash/troubleshoot capability
- Fuse and relay design for simple trouble-shooting
- Long life vibe bearing service interval of 3 yr/3000 hr
- 500 hr engine oil change interval
- NEW Locking external fuel fill
- NEW Isolated and vented battery compartment

Productivity

- Large 800 mm (32 in) drum diameters for smooth mat finish
- 16 mm (0.6 in) thick drum shells for longer durability
- Two vibe frequencies for simple yet versatile operation
 - Spring loaded self adjusting scrapers (option)
 - Traction control for improved maneuverability (option)
 - Ballast kits to increased compactive effort (option)
 - Offset hitch standard for easy compaction next to curbs
 - Narrow frame design allows for better job surface visibility
- Auto vibe to prevent jobsite marking in neutral



Operator Station



Simple rocker switches and display
Glove box for easy storage

- Dual propel levers for added operator comfort (option)
- Lockable vandal protection



C	CB4.0	C	CB4.4	CC4.0		
Engine Power	36 kW (48.2 hp)	Engine Power	36 kW (48.2 hp)	Engine Power	36 kW (48.2 hp)	
Compaction Width	1300 mm (51 in)	Compaction Width	1400 mm (55 in)	Compaction Width	1300 mm (51 in)	
Operating Weight	3623 kg (7971 lb)	Operating Weight	3801 kg (8362 lb)	Operating Weight	3586 kg (7889 lb)	
Max Weight	4315 kg (9493 lb)	Max Weight	4493 kg (9885 lb)	Max Weight	3936 kg (8659 lb)	
Amplitude	0.50 mm (0.020 in)	Amplitude	0.49 mm (0.019 in)	Amplitude	0.50 mm (0.020 in)	
Frequency	55/45 Hz (3300/2700 vpm)	Frequency	55/45 Hz (3300/2700 vpm)	Frequency	55/45 Hz (3300/2700 vpm)	
Max Speed	13 km/hr (8.1 mph)	Max Speed	13 km/hr (8.1 mph)	Max Speed	12 km/hr (7.5 mph)	
Water Tank Volume	300 L (79 gal)	Water Tank Volume	300 L (79 gal)	Water Tank Volume	230 L (61 gal)	
Fuel Tank Volume	81 L (21 gal)	Fuel Tank Volume	81 L (21 gal)	Fuel Tank Volume	81 L (21 gal)	



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