

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 CB22 CB-214E | | CB24B CB24 CB-224E | | CC24B CC24 CB-225E | | CB32B CB32 | CB34B CB34 CB-334E | CC34B CC34 CB-335E | CB36B CB34 XW CB-334E XW |
| | CB-113 | CB-114 | | | | | | | | | | |
| Drum Width | 35 in (0.9 m) | 39 in (1.0 m) | 39 in (1.0 m) | | 47 in (1.2 m) | | 47 in (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) | 5,546 lb (2,521 kg) | | 5,936 lb (2,698 kg) | | 5,718 lb (2,599 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) |

Utility Compactors

Application Guide

| | | | 0 - 1.8 Tons | | 1.8 – 3 Tons | | | | 3 - 5 Tons | | |
|----------|-------------------------------------------|----------------------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Material | Application | Layer Thickness mm (in) | 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 |
| | | | 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 |

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

- NEW** Simple console design warning lights
- NEW** Simple sealed toggle switches
- NEW** 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

NEW

Robust 3 Point Hitch

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

Electrical

NEW

Fuse and relay electrical design

NEW

Simple Cat® trouble-shooting & service

NEW

Product Link™

NEW

Factory beacon (option)

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

Other

- World-class water spray
 - 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



CB1.x Utility Compactors

Specifications

| CB1.7 | | 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

- NEW** 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
- NEW** 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
- NEW** 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

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

Serviceability & Reliability

- NEW** 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
- NEW** 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

- NEW** Simple rocker switches and display
- NEW** Glove box for easy storage
 - Dual propel levers for added operator comfort (option)
 - Lockable vandal protection

CB2.x Utility Compactors

Specifications

| CB2.5 | | CB2.7 | | CB2.9 | | 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

- NEW** 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
- NEW** 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
- NEW** 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

- NEW** 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

- NEW** 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
- NEW** 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

- NEW** Simple rocker switches and display
- NEW** Glove box for easy storage
 - Dual propel levers for added operator comfort (option)
 - Lockable vandal protection

CB2.x GC Utility Compactors

Specifications

| CB2.5 GC | | CB2.7 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.



36kW (48 hp) - T4F

Aftertreatment w/power management software

Full range of applications including thick lifts and steep working grades up to 32% (18°)

12kph (7.5 mph) max speed



All options and features available

Key Differences

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



18.4kW (24 hp) - T4F

No Aftertreatment

Parking lots and moderate working grades up to 20% (11°)

9.4kph (5.8 mph) max speed



All options and features available



CB4.x Utility Compactors

Features At a Glance

Water Spray System

- NEW** 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
- NEW** 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
- NEW** 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

- NEW** 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

- NEW** 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
- NEW** 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

- NEW** Simple rocker switches and display
- NEW** Glove box for easy storage
 - Dual propel levers for added operator comfort (option)
 - Lockable vandal protection

CB4.x Utility Compactors

Specifications

| CB4.0 | | 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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