

836H

Landfill Compactor



Engine

Engine Model	Cat® C18 diesel with ACERT™ Technology	
Direct Drive – Gross Power	390 kW	523 hp
Converter Drive – Gross Power	413 kW	554 hp

Weights

Operating Weight	53 682 kg	118,348 lb
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Engine

Engine Model	Cat C18 diesel with ACERT Technology	
Direct Drive – Gross Power	390 kW	523 hp
Direct Drive – Flywheel Power	349 kW	468 hp
Converter Drive – Gross Power	413 kW	554 hp
Converter Drive – Flywheel Power	372 kW	499 hp
Direct Drive – Torque Rise	37 %	
Converter Drive – Torque Rise	36 %	
Bore	145 mm	5.71 in
Stroke	183 mm	7.2 in
Displacement	18.1 L	1,104.53 in ³

Transmission

Direct Drive – Forward 1	6.1 kph	3.8 mph
Direct Drive – Forward 2	10.9 kph	6.8 mph
Direct Drive – Reverse 1	6.4 kph	4 mph
Direct Drive – Reverse 2	11.4 kph	7.1 mph
Converter Drive – Forward 1	5.8 kph	3.6 mph
Converter Drive – Forward 2	10.3 kph	6.4 mph
Converter Drive – Reverse 1	6.1 kph	3.8 mph
Converter Drive – Reverse 2	10.8 kph	6.7 mph

Hydraulic System

Relief Valve Setting	24 100 kPa	3,495.41 psi
Lift Cylinder Bore × Stroke	139.75 mm × 1021 mm	5.5 in × 40.2 in

Axles

Front	Planetary-Fixed
Oscillating Rear	±6°

Wheels – Plus Tip Teeth with Abrasion Resistant Material (ARM)

Drum Width	1400 mm	4.59 ft
Drum Diameter	1720 mm	5.64 ft
Diameter with Tips	2050 mm	6.73 ft
Tips per Wheel	35	

Service Refill Capacities

Fuel Tank	793 L	209.49 gal
Cooling System	107 L	28.27 gal
Crankcase	60 L	15.85 gal
Transmission	83 L	21.93 gal
Differentials and Final Drives – Front	186 L	49.14 gal
Differentials and Final Drives – Rear	190 L	50.19 gal
Hydraulic Tank	137 L	36.19 gal

Weights

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Sound Performance

Standards	Meets ANSI/SAE and ISO standards
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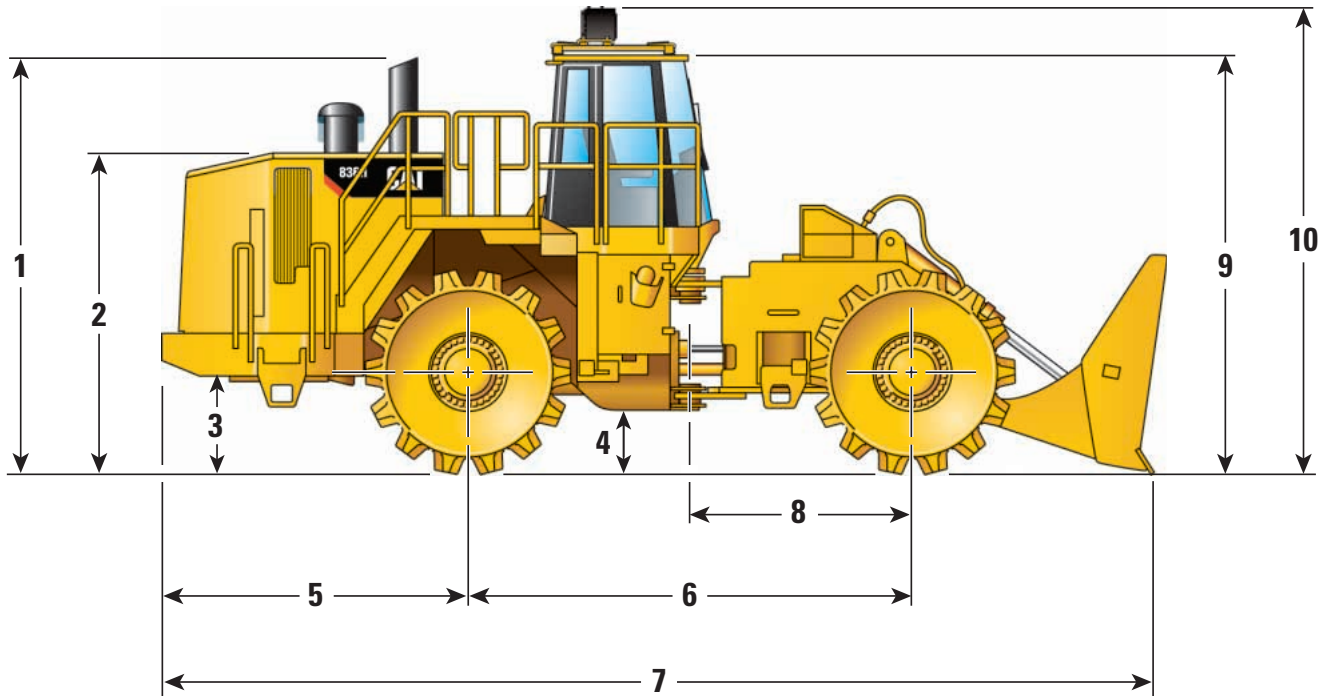
- The operator sound exposure Leq (equivalent sound pressure level) measured according to the work cycle procedures specified in ANSI/SAE J1166 OCT98 is 77 dB(A), for the cab offered by Caterpillar, when properly installed and maintained and tested with the doors and windows closed.
- Hearing protection may be needed when operating with an open operator station and cab (when not properly maintained or doors/windows open) for extended periods or in noisy environment.
- The exterior sound pressure level for the standard machine measured at a distance of 15 m (49.2 ft) according to the test procedures specified in SAE J88 JUN86, mid-gear-moving operation is 82 dB(A).
- The sound power level for the following configurations when measured according to the static test procedure and conditions specified in ISO 6393:1998 are:
Standard machine 114 dB(A)
Optional sound suppressed 111 dB(A)

Dimensions

Width over Wheels	4280 mm	14 ft
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Dimensions

All dimensions are approximate.



1	Height to Top of Exhaust Pipe	4157 mm	13.64 ft
2	Height to Top of Hood	3201 mm	10.5 ft
3	Ground Clearance to Bumper	1025 mm	3.36 ft
4	Ground Clearance	593 mm	1.95 ft
5	Center Line of Rear Axle to Edge of Counterweight	3132 mm	10.28 ft
6	Wheelbase	4550 mm	14.93 ft

7	Length with Blade on Ground	10 182 mm	33.41 ft
8	Hitch to Center Line of Front Axle	2275 mm	7.46 ft
9	Height to ROPS/canopy	4156 mm	13.64 ft
10	Height to Top of Cab with A/C	4549 mm	14.92 ft

Blades

	Straight Blade	U-Blade	Semi U-Blade
Width over end bits	5193 mm (17.0 ft)	5273 mm (17.3 ft)	5308.6 mm (17.41 ft)
Height	2222 mm (7.29 ft)	2215 mm (7.27 ft)	2215 mm (7.27 ft)
Lift speed at rated rpm	364 mm/sec (1.33 ft/sec)	364 mm/sec (1.33 ft/sec)	364 mm/sec (1.33 ft/sec)
Cutting edges, reversible:			
Length, each end section (3 edges)	1408.2 mm (4.62 ft)	817 mm (2.68 ft)	816.6 mm (2.66 ft)
Length, each end section (2 edges)	—	990 mm (3.25 ft)	988 mm (3.25 ft)
Width × thickness	254 mm × 25 mm (10 in × 1 in)	254 mm × 25 mm (10 in × 1 in)	254 mm × 25 mm (10 in × 1 in)
End bits (2), self-sharpening:			
Length, each	472 mm (1.55 ft)	Right 472 mm (1.55 ft) Left 432 mm (1.42 ft)	Right 472 mm (1.55 ft) Left 472 mm (1.55 ft)
Width × thickness	254 mm × 25 mm (10 in × 1 in)	254 mm × 25 mm (10 in × 1 in)	254 mm × 25 mm (10 in × 1 in)
Capacity, rated	19.8 m ³ (25.9 yd ³)	25.8 m ³ (33.75 yd ³)	22.4 m ³ (29.3 yd ³)
Turning radius outside corner of blade	8737 mm (28.66 ft)	8795 mm (28.85 ft)	8823 (28.94 ft)

NOTE: See your Cat dealer for other blade options.