

836K

Landfill Compactor



Engine

Engine Model	Cat® C18 ACERT™	
Emissions	Meets U.S. EPA Tier 4 Final/EU Stage IV/ Korea Tier 4 Final emission standards or meets U.S. EPA Tier 3/EU Stage IIIA equivalent emission standards	
Rated Power (Lab)	414 kW	555 hp
Rated Power (Net ISO 14396)	412 kW	553 hp
Gross (SAE J1349)	419 kW	562 hp

Operating Specifications

Maximum Operating Weight (Tier 4 Final/Stage IV/Korea Tier 4 Final) – Multiple Blade and Wheel Offerings	55 927 kg	123,319 lb
Maximum Operating Weight (Tier 3/Stage IIIA equivalent) – Multiple Blade and Wheel Offerings	55 617 kg	122,615 lb

836K Landfill Compactor Specifications

Engine

Engine Model	C18 ACERT	
Emissions	Tier 4 Final/Stage IV/ Korea Tier 4 Final or Tier 3/Stage IIIA equivalent	
Rated Power (Lab)	414 kW	555 hp
Rated Power (Net ISO 14396)	412 kW	553 hp
Gross (SAE J1349)	419 kW	562 hp
Net Power – SAE J1349		
Direct Drive – Gross Power	370 kW	496 hp
Direct Drive – Torque Rise	52%	
Converter Drive – Gross Power	370 kW	496 hp
Converter Drive – Torque Rise	52%	
Maximum Gross Torque @ 1,300 rpm	3085 N·m	2,275 lbf-ft
Maximum Altitude without Derating	2286 m	7,500 ft
Bore	145 mm	5.71 in
Stroke	183 mm	7.2 in
Displacement	18.1 L	1,104.5 in ³
High Idle Speed	2,120 rpm	
Low Idle Speed	750 rpm	

Operating Specifications

Operating Weight with Full Tank Capacities and U-blade (Tier 4 Final/Stage IV/Korea Tier 4 Final)	55 927 kg	123,319 lb
Operating Weight with Full Tank Capacities and U-blade (Tier 3/Stage IIIA equivalent)	55 617 kg	122,615 lb

Transmission

Transmission Type	Planetary – Powershift – ECPC	
Travel Speeds		
Forward – Converter 1st	6.2 km/h	3.9 mph
Forward – Lockup 1st	6.5 km/h	4 mph
Forward – Converter 2nd	10.9 km/h	6.8 mph
Forward – Lockup 2nd	11.7 km/h	7.3 mph
Reverse – Converter 1st	6.5 km/h	4 mph
Reverse – Lockup 1st	6.9 km/h	4.3 mph
Reverse – Converter 2nd	10.4 km/h	6.5 mph
Reverse – Lockup 2nd	12.3 km/h	7.6 mph

Hydraulic System

Hydraulic System	Flow Sharing Implement	
Maximum Supply Pressure	32 000 kPa	4,640 psi
Main Relief Pressure	24 100 kPa	3,495 psi
Pump Flow at 2,006 rpm	250 L/min	66 gal/min
Steering System	Double Acting – End Mounted	
Bore	127 mm	5 in
Stroke	740 mm	29.1 in
Vehicle Articulation Angle	86°	
Lift System	Double Acting Cylinder	
Bore	137.9 mm	5.5 in
Stroke	1021 mm	40.2 in

Service Refill Capacities

Fuel Tank	793 L	209 gal
Cooling System	107 L	28 gal
Crankcase	60 L	16 gal
Diesel Engine Fluid Tank (Tier 4 Final/Stage IV/Korea Tier 4 Final)	32.8 L	9 gal
Transmission	120 L	32 gal
Differentials and Final Drives – Front	186 L	49 gal
Differentials and Final Drives – Rear	190 L	50 gal
Hydraulic System (tank only)	240 L	63 gal

- All non-road Tier 4 Final/Stage IV diesel engines are required to use:
 - Ultra Low Sulfur Diesel (ULSD) fuels containing 15 ppm (mg/kg) sulfur or less. Biodiesel blends up to B20 are acceptable when blended with 15 ppm (mg/kg) sulfur or less ULSD and when the biodiesel feedstock meets ASTM D7467 specifications.
 - Cat DEO-ULS™ or oils that meet the Cat ECF-3, API CJ-4, and ACEA E9 specifications are required.

Axles

Front	Planetary – Fixed
Rear	Planetary – Oscillating
Oscillation Angle	13°

Brakes

Control System	Full Hydraulic Split Circuit
Parking Brake	Spring Applied, Hydraulic Released

836K Landfill Compactor Specifications

Cab

	Standard	Suppression
Interior Sound Level	72 dB(A)	71 dB(A)
Exterior Sound Level	111 dB(A)	109 dB(A)

Hydraulic System – Steering

Steering System – Circuit	Steering Double Acting – End Mounted	
Steering System – Pump	Piston – Variable Displacement	
Maximum Flow @ × rpm	52 L/min @ 2,006 rpm	
Steering Pressure Limited	24 100 kPa	3,495 psi
Total Steering Angle	86 degrees	

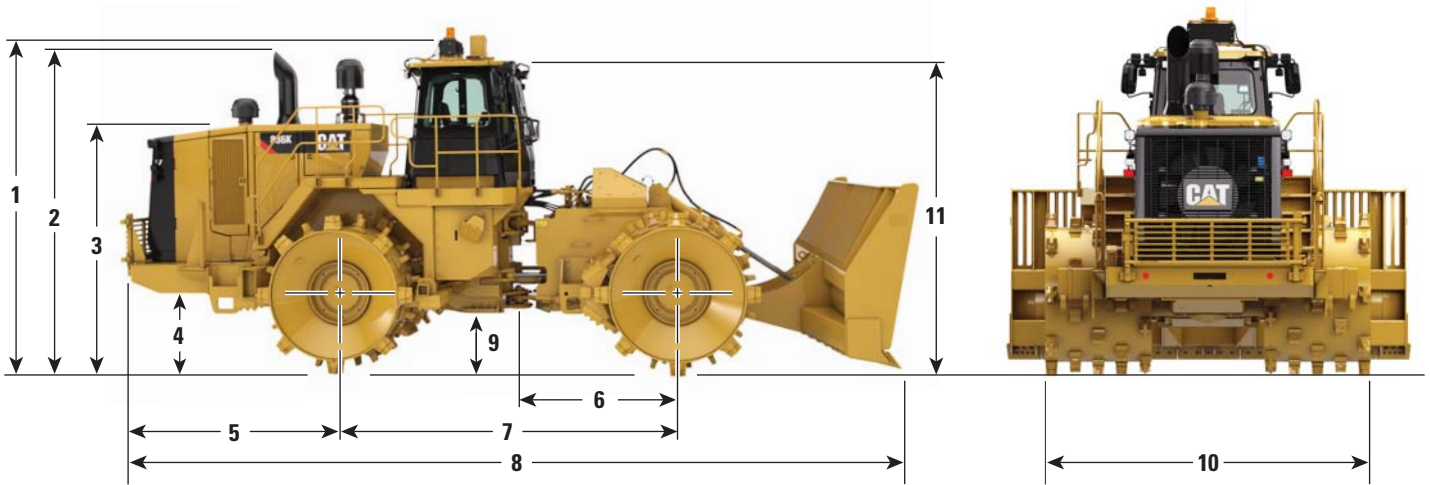
Wheels and Tips

Drum Width	1400 mm	4 ft 8 in
Drum Diameter	1770 mm	5 ft 10 in
Diameter with Tips	2125 mm	7 ft 0 in
Tips per Wheel	40	

836K Landfill Compactor Specifications

Dimensions

All dimensions are approximate.



1 Height to Top of Cab with A/C	4655 mm	15 ft 3 in
2 Height to Top of Exhaust Pipe	4608 mm	15 ft 1 in
3 Height to Top of Hood	3421 mm	11 ft 3 in
4 Ground Clearance to Bumper	1029 mm	3 ft 5 in
5 Center Line of Rear Axle to Edge of Counterweight	3187 mm	10 ft 5 in
6 Hitch to Center Line of Front Axle	2275 mm	7 ft 6 in
7 Wheelbase	4550 mm	14 ft 11 in
8 Length with Blade on Ground (straight blade)	10 182 mm	33 ft 5 in
9 Ground Clearance	632 mm	2 ft 1 in
10 Width over Wheels	4280 mm	14 ft 1 in
11 Height to ROPS/Canopy	4284 mm	14 ft 1 in
Height to Top of Cab with Strobe	4845 mm	15 ft 11 in
Turning Radius – Inside of Wheels	3635 mm	11 ft 11 in

836K Landfill Compactor Specifications

Blade Selection

	Straight Blade		Semi U-blade		U-blade	
Width – Moldboard Length	4990 mm	16 ft 4 in	5238 mm	17 ft 2 in	5172 mm	17 ft
Width Over End Bits	5193 mm	17 ft	5311 mm	17 ft 5 in	5258 mm	17 ft 3 in
Height with Cutting Edge and Screen	2236 mm	7 ft 4 in	2215 mm	7 ft 3 in	2210 mm	7 ft 3 in
Height with Cutting Edge, No Screen	1217 mm	4 ft	1253 mm	4 ft 1 in	1255 mm	4 ft 1 in
Maximum Depth of Cut	364 mm	1 ft 2 in	362 mm	1 ft 2 in	934 mm	3 ft 1 in
Maximum Lift above Ground	1730 mm	5 ft 8 in	1735 mm	5 ft 8 in	1198 mm	3 ft 11 in
Cutting Edges, Reversible						
Length, Each End Section (3 edges)	1408.2 mm	4 ft 7 in	816.6 mm	2 ft 8 in	2 @ 779.1 mm and 1 @ 856 mm	2 @ 2 ft 7 in and 1 @ 2 ft 10 in
Length, Each End Section (2 edges)	NA		988 mm	3 ft 3 in	1094.4 mm	3 ft 7 in
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 ft 7 in	472 mm	1 ft 7 in	472 mm	1 ft 7 in
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	19.3 m ³	25.9 yd ³	22.4 m ³	29.3 yd ³	25.5 m ³	33.6 yd ³
Turning Diameter, Outside Corner of Blade at 43° ART	8737 mm	28 ft 8 in	8823 mm	28 ft 11 in	8795 mm	28 ft 10 in
Overall Machine Length	10 182 mm	33 ft 5 in	10 379 mm	34 ft 1 in	10 272 mm	33 ft 8 in