

# Cat<sup>®</sup> 836K

## Landfill Compactor



### BUILT FOR YOUR COMFORT

- Improved ingress/egress with a totally redesigned cab with flip up armrest
- Keep your operators informed about machine conditions and operation with VIMS™ 3G machine monitoring system
- Operator stability with floor mounted controls
- Safety & visibility enhanced with standard rearview camera
- Preferred temperature settings maintained with automatic climate control
- Operator productivity enhanced with new membrane switch panels, keyed ignition and E-H parking brake switch
- Improved comfort with low operator sound levels
- Improved spectator sound levels and optional low sound packages

### BUILT FOR YOUR PRODUCTIVITY & EFFICIENCY

- 3 new wheel & tip configurations are available to meet your particular application:
  - Paddle Tip: High performance & less fuel burn with more traction & less weight
  - Plus Tip: Traditional design for increased side slope stability
  - Combination Tip: Both paddle and plus tips to give high performance with side slope stability
- Experience maximum responsiveness and control with Steering and Transmission Integrated Control System (STIC™)
- Conserve more fuel with the automatic engine and electrical system shutdown
- Transfer more power to the ground and optimize fuel efficiency with the lock up torque converter
- Achieve greater momentum on grades and fuel savings by carrying that momentum through the shift points with the all new APEC transmission controls

### BUILT FOR YOUR UPTIME

- Improved maintenance access with a single level upper platform
- Easier access and in a controlled environment, electronics bay is located inside the cab
- Focused on safety with ground level or platform access to most major components
- Ground level diesel exhaust fluid (DEF) tank (U.S. Environmental Protection Agency (EPA) Tier 4 Final/ EU Stage IV Technology)
- Ground level emergency shutdown, battery disconnect, stairway light switch, transmission lockout, and engine starter lockout
- Quick visual inspection and minimize fluid contamination with sight gauges for coolant, transmission, and hydraulic oil
- Electronic air inlet restriction indicator
- Designed for ease of Service and Inspection
  - Swing out radiator fan
  - Hinged Bellyguards
  - Centralized Grease Points
  - Swing out stairs (optional)

### BUILT TO SUSTAIN YOUR WORLD

- Powerful, responsive, fuel-efficient Cat<sup>®</sup> C18 engine with ACERT™ Technology
- Reliable performance, long life, low emissions
- High productivity and excellent fuel efficiency
- U.S. EPA Tier 4 Final / EU Stage IV Technology
- Tier 4 Cat Clean Emissions Module contains a Diesel Oxidation Catalyst, Diesel Particulate Filter, Cat Regeneration System, and a Selective Catalytic Reduction utilizing (SCR) system
- Regeneration is completely automatic and does not interrupt the machine's work cycle



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836K		
Gross Power	419 kW	562 hp
Net Power	370 kW	496 hp
EEC 80/1269	412 kW	553 hp
Torque Rise	52%	
Max Gross Torque @ 1300 RPM	3085 N.m.	2275 lb-ft
Max Altitude w/o Derating	2286 m	7500 ft
Bore	145 mm	5.7 in
Stroke	183 mm	7.2 in
Displacement	18.1 L	1,105 in <sup>3</sup>

Transmission		
Direct Drive- Forward 1	6.5 km/h	4 mph
Direct Drive- Forward 2	11.7 km/h	7.3 mph
Direct Drive- Reverse 1	6.9 km/h	4.3 mph
Direct Drive- Reverse 2	12.3 km/h	7.6 mph

Hydraulic System		
Relief Valve Setting	24 100 kPa	3,495 psi
Lift Cylinder Bore X Stroke	138 mm x 1021 mm	5.5"x 40.2"
Steering System	Double Acting- End Mounted	
Vehicle Articulation Angle	86°	

Axles		
Front	Planetary-Fixed	
Oscillating Rear	± 13°	

Wheels & Tips		
Drum Width	1400 mm	4' 8"
Drum Diameter	1770 mm	5'10"
Diameter with Tips	2125 mm	7'

Service Refill Capacities		
Diesel Fuel Tank	793 L	209 gal
Cooling System	107 L	28 gal
Crankcase	60 L	16 gal
Diesel Exhaust Fluid Tank	33 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 Tank	240 L	63 gal

Weight		
Operating Weight	55 927 kg	123,319 lb
Operating weight with full tank capacities and U-Blade		

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

Blade Arrangements:	Straight Blade		Semi-U Blade		Full U-Blade	
Width-Moldboard Length	4990 mm	16' 4"	5238 mm	17' 2"	5172 mm	17'
Width-Over End Bits	5193 mm	17'	5311 mm	17' 5"	5258 mm	17' 3"
Height-Including Cutting Edge & Screen	2236 mm	7' 4"	2215 mm	7' 3"	2210 mm	7' 3"
Height-Including Cutting Edge W/O Screen	1217 mm	4'	1253 mm	4' 1"	1255 mm	4' 1"
Max Depth of Cut	364 mm	1' 2"	362 mm	1' 2"	934 mm	3' 1"
Max Lift Above Ground	1730 mm	5' 8"	1735 mm	5' 8"	1198 mm	3' 11"
Turning Radius-Outside Corner of Blade	8737 mm	28' 8"	8823 mm	28' 11"	8795 mm	28' 10"
Overall Machine Length	10 182 mm	33' 5"	10 379 mm	34' 1"	10 272 mm	33' 8"