

PRODUCT SPECIFICATIONS FOR 836K



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| Gross Power | 419 kW |
| Net Power | 370 kW |
| Engine Model | C18 Cat® |
| Bore | 145 mm |
| Stroke | 183 mm |
| Displacement | 18.1 l |
| Low Idle Speed | 750 r/min |
| Gross - SAE J1349 | 419 kW |
| Rated Power (Net ISO 14396) | 412 kW |
| Net Power - SAE J1349 - Converter Drive - Torque Rise | 52 % |
| Net Power - SAE J1349 - Converter Drive - Gross Power | 370 kW |
| Maximum Altitude - Without Derating | 2286 m |
| Net Power - SAE J1349 - Direct Drive - Gross Power | 370 kW |
| High Idle Speed | 2120 r/min |
| Net Power - SAE J1349 - Direct Drive - Torque Rise | 52 % |
| Rated Power (Lab) | 414 kW |

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| Maximum Gross Torque - 1,300 rpm | 3085 N·m |
| Emissions | Tier 4 Final/Stage IV/Korea Tier 4 Final or Tier 3/Stage IIIA equivalent |
| Travel Speed - Reverse - Converter 2nd | 10.4 km/h |
| Travel Speed - Forward - Lockup 2nd | 11.7 km/h |
| Travel Speed - Reverse - Lockup 2nd | 12.3 km/h |
| Travel Speed - Forward - Lockup 1st | 6.5 km/h |
| Transmission Type | Planetengetriebe – Lastschaltgetriebe – ECPC (Electronic Clutch Pressure Control, Elektronische Kupplungsdrucksteuerung) |
| Travel Speed - Forward - Converter 1st | 6.2 km/h |
| Travel Speed - Reverse - Converter 1st | 6.5 km/h |
| Travel Speed - Forward - Converter 2nd | 10.9 km/h |
| Travel Speed - Reverse - Lockup 1st | 6.9 km/h |
| Steering System | Double Acting – End Mounted |
| Stroke (1) | 740 mm |

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| Bore (1) | 127 mm |
| Vehicle Articulation Angle | 86° |
| Bore (2) | 137.9 mm |
| Maximum Supply Pressure | 32000 kPa |
| Stroke (2) | 1021 mm |
| Main Relief Pressure | 24100 kPa |
| Lift System | Double Acting Cylinder |
| Pump Flow at 2,006 rpm | 250 l/min |
| Hydraulic System | Flow Sharing Implement |
| Front | Planetary – Fixed |
| Rear | Planetary – Oscillating |
| Oscillation Angle | 13° |
| Parking Brake | Spring Applied, Hydraulic Released |
| Control System | Full Hydraulic Split Circuit |
| Fuel Tank | 793 l |
| Cooling System | 107 l |
| Cranks | 50 l |

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| Crankcase | 60 l |
| Transmission | 120 l |
| Diesel Engine Fluid Tank (Tier 4 Final/Stage IV/Korea Tier 4 Final) | 32.8 l |
| Differential - Final Drives - Rear | 190 l |
| Differential - Final Drives - Front | 186 l |
| Hydraulic System - Tank Only | 240 l |
| Operating Weight | 55927 kg |
| Interior Sound Level - Standard | 72 dB(A) |
| Exterior Sound Level - Suppression | 109 dB(A) |
| Interior Sound Level - Suppression | 71 dB(A) |
| Exterior Sound Level - Standard | 111 dB(A) |
| Maximum Operating Weight (Tier 4 Final/Stage IV/Korea Tier 4 Final) - Multiple Blade and Wheel Offerings | 55927 kg |
| Maximum Operating Weight (Tier 3/Stage IIIA equivalent) - Multiple Blade and Wheel Offerings | 55617 kg |
| Operating Weight - With Full Tank Capacities and U-Blade (Tier 3/Stage IIIA Equivalent) | 55617 kg |
| Operating Weight - With Full Tank Capacities and U-Blade (Tier 4 Final/Stage IV/Korea Tier 4 Final) | 55927 kg |

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| Height - Top of Cab with A/C | 4655 mm |
| Height - Top of Exhaust Pipe | 4608 mm |
| Height - Top of Hood | 3421 mm |
| Ground Clearance - Bumper | 1029 mm |
| Centerline of Rear Axle to Edge of Counterweight | 3187 mm |
| Hitch to Centerline of Front Axle | 2275 mm |
| Wheel Base | 4550 mm |
| Width - Over Wheels | 4280 mm |
| Height - ROPS/Canopy | 4284 mm |
| Height - Top of Cab with Strobe | 4845 mm |
| Length - With Blade on Ground - Straight Blade | 10182 mm |
| Turning Radius - Inside of Wheels | 3635 mm |
| Ground Clearance | 632 mm |
| Total Steering Angle | 86 degrees |
| Steering Pressure Limited | 24100 kPa |
| Steering System - Circuit | Steering Double Acting – End Mounted |
| Steering System - Pump | Piston – Variable Displacement |
| Maximum Flow at × rpm | 52 L/min @ 2,006 rpm |

Diameter - With Tips

2125 mm

Drum Diameter

1770 mm

Drum Width

1400 mm

Tips per Wheel

40

836K STANDARD EQUIPMENT

NOTE

Standard and optional equipment may vary. Consult your Cat dealer for details.

POWER TRAIN

Advanced Productivity Electronic Control Shifting (APECS)

Air to air aftercooler

Brakes, fully hydraulic, enclosed, wet multiple disc brakes

Cat Clean Emission Module, insulated (Tier 4 Final/Stage IV/Korea Tier 4 Final)

Electro hydraulic parking brake

Engine, Cat C18: – Tier 4 Final/Stage IV/Korea Tier 4 Final – Tier 3/Stage IIIA equivalent

Fuel priming pump, electric

Fuel to air cooler

Ground level engine shutoff

Guard (3 piece) transmission

Heat shield, turbo and exhaust manifold

Hydraulically driven demand fan

Integrated braking

Radiator, Aluminum Modular Radiator (AMR)

Separated cooling system

Starting aid (ether) automatic

Throttle lock

Torque converter with lockup clutch (LUC)

Turbine precleaner, engine air intake

Transmission, planetary, with 2F/2R speed range control

Underhood ventilation system

ELECTRICAL

Alarm, back-up

Alternator, 150 amp

Batteries, maintenance-free (4-1,000 CCA)

Converter, 10-15 amp, 24V to 12V

Lighting system, halogen (front and rear)

Lighting, access stairway

Starter, electric (heavy duty)

Starter lockout (ground level)

Starting receptacle for emergency start

Transmission lockout (ground level)

OPERATOR ENVIRONMENT

Air conditioner

Cab, sound-suppressed and pressurized

Internal four-post rollover protective structure (ROPS/FOPS)

Radio ready for (entertainment) includes antenna, speakers and converter (12V, 10-15 amp) 12V power

port for mobile phone or laptop connection

Camera, rear vision

Coat and hard hat hooks

Flip-up armrest

Heater and defroster

Horn, electric

Hydraulic controls (floor mounted)

Implement hydraulic lockout

Laminated glass

Light, (dome) cab

Lunchbox and beverage holders

Instrumentation, Gauges: – DEF fluid level (Tier 4 Final/Stage IV) – Hydraulic oil temperature –

Speedometer/tachometer – Torque converter temperature

Instrumentation, Warning Indicators: – Action alert system, three category – Axle/brake oil temp, front –

Brake oil pressure – Electrical system, low voltage – Engine failure malfunction alert and action lamp

Mirrors, rearview (externally mounted)

Parking brake status

Radio, CB (ready)

Seat, Cat Comfort, (cloth) air suspension

Seat belt, retractable, 76 mm (3") wide

STIC Control System with steering lock

Sun visor, front

Tinted glass

Transmission gear (indicator)

Vital Information Management System (VIMS) with graphical information display: external data port, customizable operator profiles

Wet-arm wipers/washers (front and rear)

Intermittent wipers (front and rear)

WHEELS

Wheels, paddle, plus, combination, and diamond wheel configurations

GUARDS

Guards, axle (front and rear)

Guards, cab window

Guards, crankcase and power train, hydraulically powered

Guards, rear fan and grill

BLADES

Bulldozer arrangement is included in the standard equipment. Bulldozer blades are optional.

FLUIDS

Antifreeze, premixed 50% concentration of extended life coolant with freeze protection to -34° C (-29° F)

OTHER STANDARD EQUIPMENT

Auto Blade Positioner (ABP)

Demand fan/swing out (hydraulic reversible)

Doors, service access locking

Ecology drains for engine, radiator, hydraulic tank

Ecology drains for engine, radiator, hydraulic tank

Electronic clutch pressure control and remote mounted pressure taps

Emergency platform egress

Engine, crankcase, 250 hour interval with CJ-4 oil

Fuel tank, 793 L (210 gal)

Hitch, drawbar with pin

Hoses, Cat XT™

Hydraulic oil cooler

Hydraulic, steering and brake filtration/screening system

Oil sampling valves

Product Link

Stairways, fixed-L/R (rear access)

Steering, load sensing

Vandalism protection caplocks

Venturi stack

836K OPTIONAL EQUIPMENT

NOTE

Standard and optional equipment may vary. Consult your Cat dealer for details.

VARIOUS BLADES:

Straight blade

U-blade

Semi U-blade

VARIOUS TIP AND WHEEL ARRANGEMENTS:

Paddle

Plus

Diamond

