

PRODUCT SPECIFICATIONS FOR 844K



Engine Model	C27 Cat®
Gross Power	561 kW
Bore	137.2 mm
Stroke	152.4 mm
Displacement	27.03 l
Torque Rise	18 %
Net Power - SAE J1349 - Standard Ambient	521 kW
Net Power - SAE J1349	521 kW
Gross Power - ISO 14396	561 kW
Net Power - SAE J1349 - High Ambient	483 kW
Peak Torque - Speed	3557 N·m
Emissions	U.S. EPA Tier 4 Final or Tier 2 Equivalent
Rated Speed	1800 r/min
Gross Power - SAE J1995	571 kW
Operating Weight	74883 kg
Converter Drive - Forward 1	7.3 km/h

Converter Drive - Forward 2	13.3 km/h
Converter Drive - Forward 3	22.9 km/h
Converter Drive - Reverse 1	7.9 km/h
Converter Drive - Reverse 2	14.7 km/h
Converter Drive - Reverse 3	24.9 km/h
Direct Drive - Forward 2	13.7 km/h
Direct Drive - Forward 3	24.5 km/h
Direct Drive - Reverse 1	8.7 km/h
Direct Drive - Reverse 2	15.4 km/h
Direct Drive - Reverse 3	26.4 km/h
Transmission Type	Cat Planetary Power Shift
Direct Drive - Forward 1	Lock-up disabled
Fuel Tank - Standard	1085 l
Cooling System	208 l
Crankcase	76 l
Transmission	110 l
Differential - Final Drives - Front	271 l
Differential - Final Drives - Rear	261 l

Hydraulic System - Implement and Hydraulic Fan		261 l
Hydraulic System - Steering and Braking		132 l
Cab - ROPS/FOPS (1)	Cat cab with separate ROPS/FOPS is standard in North America, Europe and Japan.	
Air Conditioning	Standard air conditioning system contains environmentally friendly R134a refrigerant	
ROPS	ROPS meets SAE J11040 APR88, ISO 3471:2008 and ISO 3471:1994 criteria.	
Cab - ROPS/FOPS (2)	SAE J11040 APR88, ISO 3471:2008, ISO 3471:1994	
FOPS	FOPS meets SAE J231 JAN81 and ISO 3449:1992 Level II criteria.	
Brakes	Meets ISO 3540:2011	
Front	Fixed	
Rear	Trunnion	
Oscillation Angle	8.5 °	
Blade Capacity Range	15,9-30,7 m ³ (20,7-40,2 yd. ³)	
Machine Sound Level (ISO 6395:2008)	115 dB(A)	
Operator Sound Level (ISO 6396:2008)	69 dB(A)	

Machine Sound Level (ISO 6395:2008)	113 dB(A)
Operator Sound Level (ISO 6396:2008)	69 dB(A)
Relief Valve Setting - Tilt Cylinders (Small Pump)	20150 kPa
Output at 2,000 rpm and 6900 kPa (1,000 psi)	311 l/min
Cylinders, Double Acting - Lift, Bore and Stroke	133 mm × 1535 mm (5.25 in × 60.4 in)
Relief Valve Setting - Bulldozer (Large Pump)	18650 kPa
Cylinder, Double Acting - Tilt and Tip, Bore and Stroke	210 mm × 188 mm (8.25 in × 7.4 in)
Total Steering Angle	35 °
Steering System - Circuit	Pilot, load sensing
Minimum Turning Radius - Over Blade	10369 mm
Relief Valve Setting	31000 kPa
Steering System - Pump	Piston, variable displacement
Maximum Flow	357 l/min
Height - Top of Exhaust Pipe	5049 mm
Wheel Base	4600 mm
Length - With Blade on Ground	11120 mm
Centerline of Rear Axle to Edge of Bumper	3795 mm

Centerline of Rear Axle to Edge of Bumper

3733 mm

Centerline of Front Axle to Hitch

2300 mm

Height - Top of ROPS

5240 mm

Ground Clearance

596 mm

Height - Top of Hood

3862 mm

844K STANDARD EQUIPMENT

NOTE

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

OPERATOR ENVIRONMENT

Air conditioner and heater with automatic temperature control

Cab, sound-suppressed pressurized, 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

Cigar lighter and ashtray

Coat hook

Electro-hydraulic blade controls (seat mounted)

Flip-up armrest

Heater and defroster

Horn, electric

Implement hydraulic lockout

Instrumentation, gauges: - Engine coolant temperature - Fuel level - Ground speed - Gear - Hydraulic oil temperature - Speedometer/tachometer - Torque converter temperature

Instrumentation, warning indicators: - Action alert system, three category - Automatic transmission model enable status - Brake malfunction - Bucket float status - Delayed engine shutdown status - Engine idle shutdown status - Engine malfunction - Fuel economy mode enable status - Hydraulic lockout - Lockup clutch enable status - Low fuel level - Parking brake status - Rimpull control enable status - Seatbelt warning - Secondary steering (if equipped) - Throttle lock status - Transmission gear

Keypad, control with indicator lights: - Auto trans mode speed range - Auto/manual transmission mode - Lockup clutch - Reduced rimpull - Throttle lock

Light, dome (cab)

Lunchbox and beverage holders

Mirrors, rearview (externally mounted)

Seat, Cat comfort (cloth) air suspension

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

STIC control system with steering lock

Tinted glass

Trainer seat with lap belt

Vital Information Management System (VIMS) 3G with graphical information display: external data port, customizable operator profiles

Wet-arm wipers/washers (front, rear and corner) intermittent front wiper

POWER TRAIN

Brakes, full hydraulic, enclosed, oil-disc

Axle-shaft oil-disc service brake

Electro hydraulic parking brake

Case drain filters

CASE CRAN MISC

Cat clean emission module (Tier 4 only)

Demand fan

Engine Cat C27

Fuel priming pump (electric)

Ground level engine shutoff, bumper

Mufflers (under hood) (Tier 2 only)

Precleaner, engine air intake

Radiator, Aluminum Modular (AMR)

Separated cooling system

Starting aid, (ether) manual override

Throttle Lock

Torque Converter, Impeller Clutch with lock-up clutch feature and rimpull control system

Transmission, 534 mm (21 in) planetary power shift (electronic) (3F/3R)

ELECTRICAL

Alarm, back-up

Alternator, 150 amp

Batteries, maintenance free (2 - 1,400 CCA)

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

Deutsch component connectors

Electrical system, 24V

Electronic transmission control

Lighting system, halogen (front and rear) lighting, access stairway, engine compartment

Starter, electric

Starter lockout in bumper

Starting receptacle for emergency start

Transmission lockout in bumper

OTHER

Axle temperature sensor

Battery disconnect and jump start receptacle, bumper

Coupling, Caterpillar O-ring face seals

Economy mode with on demand throttle

Emergency platform egress

Engine, crankcase, 500 hour interval with CH4

Engine idle management features: - Auto idle kickdown - Delayed engine shutdown - Engine idle shutdown

Fenders, steel (front)

Guards, crankcase and power train

Grouped/labeled lube points

Hitch, drawbar with pin

Hoses, Cat XT

Oil sampling valves

Positive flow control hydraulic system

Product Link™

Sight Gauges: hydraulic tanks, steering/fan and implement/brake, and transmission

Stairway, left and right rear access

Steering, load sensing

Steering, secondary

Toe kicks

Vandalism protection caplocks

Venturi stack

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

844K OPTIONAL EQUIPMENT

NOTE

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

POWER TRAIN

50° C (-58° F) antifreeze

Engine oil change system, high speed, Wiggins

Engine block heater 120V or 240V

High ambient cooling - software

BLADES

Semi-U - 17.8 m³ (23.3 yd³)

HD Semi-U - 16.1 m³ (21.1 yd³)

Coal - 30.7 m³ (40.2 yd³)

OPERATOR ENVIRONMENT

Cab precleaner

AM/FM/CD/MP3 radio

Satellite Sirius radio with Bluetooth

LED warning strobe

CB radio ready

Window sun shade

MISCELLANEOUS ATTACHMENTS

Front and rear roading fenders

Fast fill fuel system (Shaw-Aero)

Axle oscillation stop

Paint, black blade rear

