

Product Specifications For 330



Engine

Net Power - ISO 9249 273 hp

Net Power - ISO 9249 (DIN) 277 hp (metric)

Engine Model Cat® C7.1

Engine Power - ISO 14396 275 hp

Engine Power - ISO 14396 (DIN) 279 hp (metric)

Bore 4 in

Stroke 5 in

Displacement 428 in³

Biodiesel Capability Up to B20¹

Emissions Meets U.S. EPA Tier 4 Final, EU Stage V, Korea Stage V, and Japan 2014 emission standards.

Note (1) Net power advertised is the power available at the flywheel when the engine is equipped with fan, air intake system, exhaust system and alternator with engine speed at 2,200 rpm. Advertised power is tested per the specified standard in effect at the time of manufacture.

Note (2)

¹Cat diesel engines are required to use ULSD (ultra-low sulfur diesel fuel with 15 ppm of sulfur or less) and are compatible* with ULSD blended with the following lower-carbon intensity fuels** up to: 20% biodiesel FAME (fatty acid methyl ester)*** or 100% renewable diesel, HVO (hydrotreated vegetable oil) and GTL (gas-to-liquid) fuels. Refer to guidelines for successful application. Please consult your Cat dealer or "Caterpillar Machine Fluids Recommendations" (SEBU6250) for details.
^{*}While Caterpillar engines are compatible with these alternative fuels, some regions may not allow their use. ^{**}Tailpipe greenhouse gas emissions from lower-carbon intensity fuels are essentially the same as traditional fuels. ^{***}Engines with no aftertreatment devices are compatible with higher blends, up to 100% biodiesel (for use of blends higher than 20% biodiesel, consult your Cat dealer).

Weights

Operating Weight 69200 lb

Note Long undercarriage, Reach boom, R3.2 m (10'6") stick, Heavy Duty (HD) 1.76 m³ (2.30 yd³) bucket, 800 mm (31") triple grouser shoes and 6700 kg (14,770 lb) counterweight.

Working Ranges And Forces

Maximum Digging Depth	23.9 ft
Boom	Reach 6.15 m (20'2")
Stick	Reach 3.2 m (10'6")
Bucket	HD 1.76 m ³ (2.30 yd ³)
Maximum Reach at Ground Level	35 ft
Maximum Cutting Height	32.9 ft
Maximum Loading Height	22.8 ft
Minimum Loading Height	7.5 ft
Maximum Depth Cut for 2440 mm (8 ft) Level Bottom	23.3 ft
Maximum Vertical Wall Digging Depth	19.7 ft

Bucket Digging Force - ISO	40200 lbf
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Stick Digging Force - ISO	28300 lbf
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Hydraulic System

Main System - Maximum Flow	560 l/min (148 gal/min)
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Maximum Pressure - Equipment	5075 psi
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Maximum Pressure - Equipment - Lift Mode	5510 psi
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Maximum Pressure - Travel	5075 psi
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Maximum Pressure - Swing	4320 psi
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Swing Mechanism

Swing Speed*	11.5 r/min
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Maximum Swing Torque	81132 lbf·ft
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Note (1)	*For CE-marked machine default value may be set lower.
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Service Refill Capacities

Fuel Tank Capacity	125.2 gal (US)
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Cooling System	6.6 gal (US)
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Engine Oil	6.6 gal (US)
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Swing Drive	2.6 gal (US)
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Final Drive - Each	1.5 gal (US)
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Hydraulic System - Including Tank	81.9 gal (US)
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Hydraulic Tank	38.8 gal (US)
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DEF Tank	10.8 gal (US)
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Dimensions

Boom	Reach 6.15 m (20'2")
Stick	Reach 3.2 m (10'6")
Bucket	HD 1.76 m ³ (2.30 yd ³)
Shipping Height - Top of Cab	10 ft
Handrail Height	10 ft
Shipping Length	34.2 ft
Tail Swing Radius	10.3 ft
Counterweight Clearance	3.7 ft
Ground Clearance	1.6 ft
Track Length	15.9 ft
Length to Center of Rollers	13.1 ft
Track Gauge	8.5 ft
Transport Width	11.1 ft

Air Conditioning System

Air Conditioning	The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a or R1234yf. See the label or instruction manual for identification of the gas. If equipped with R134a (Global Warming Potential = 1430), the system contains 0.85 kg (1.9 lb) of refrigerant which has a CO ₂ equivalent of 1.216 metric tonnes (1.340 tons). If equipped with R1234yf (Global Warming Potential = 0.5), the system contains 0.78 kg (1.7 lb) of refrigerant which has a CO ₂ equivalent of 0.001 metric tonnes (0.001 tons).
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330 Standard Equipment

NOTE

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

CAB

- Rollover Protective Structure (ROPS)
- Mechanical-suspension seat (Comfort only)
- Heated air-suspension seat (Deluxe only)
- Heated and ventilated air-suspension seat (Premium, Demolition only)
- High-resolution 203 mm (8 in) LCD touchscreen monitor (Comfort only)
- High-resolution 254 mm (10 in) LCD touchscreen monitor (Deluxe, Premium, Demolition only)

CAT TECHNOLOGY

- VisionLink™
- Remote Flash
- Remote Troubleshoot
- Work tool recognition and tracking (PL161)
- Cat Grade with 2D
- Cat Assist
- Cat Payload

ELECTRICAL SYSTEM

- Two 1,000 CCA maintenance free batteries
- Programmable time-delay LED working lights
- LED chassis light, left-hand/right-hand boom lights, cab lights

ENGINE

- Cat C7.1 twin turbo diesel engine
- Three selectable power modes
- Auto engine speed control
- Auto engine idle shutdown
- 50°C (122°F) high-ambient cooling capacity with de-rate
- 18°C (-0°F) cold start capability
- Double element air filter with integrated precleaner
- Reversing electric cooling fans

HYDRAULIC SYSTEM

- Boom and stick regeneration circuits
- Auto warm up
- Auto two-speed travel
- Auto Heavy Lift
- Auto Dig Boost
- Boom and stick drift reduction valve

SAFETY AND SECURITY

- 2D E-Fence
- Auto hammer stop
- Rearview camera
- Right-side-view camera
- Ground-level engine shutoff switch
- Lockable disconnect switch
- Right-hand handrail and hand hold
- Signaling/warning horn

SERVICE AND MAINTENANCE

- Scheduled Oil Sampling (S·O·SSM) ports
- Ground-level and platform-level engine oil dipsticks
- Integrated vehicle health management system

UNDERCARRIAGE AND STRUCTURES

- Tie-down points on base frame
- 6700 kg (14,770 lb) counterweight

330 Optional Equipment

NOTE

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

BOOMS AND STICKS

- 5.55 m (18'2") Mass boom
- 6.15 m (20'2") Reach boom
- 6.15 m (20'2") HD Reach boom
- 6.5 m (21'3") Straight boom
- 10.2 m (33'6") Super Long Reach boom
- 3.0 m (10'") Stub + 3.3 m (10'10") Fore, Variable Angle boom
- 2.5 m (8'2") Mass stick
- 2.65 m (8'8") Reach stick
- 2.65 m (8'8") HD Reach stick
- 3.2 m (10'6") Reach stick
- 3.2 m (10'6") HD Reach stick
- 3.75 m (12'2") Reach stick
- 7.85 m (25'9") Super Long Reach stick

CAB

- Operator Protective Guards (OPG)
- Cat Stick Steer
- Auxiliary relay

CAT TECHNOLOGY

- Operator Coaching

- Cat Grade with 2D with Attachment Ready Option (ARO)
- Cat Grade with 3D (single or dual GNSS)
- Cat Grade 3D Ready
- Cat Grade Connectivity
- Cat Advanced Payload
- Cat Tiltrotator (TRS) integration

ENGINE

- 32°C (-25°F) cold start capability

HYDRAULIC SYSTEM

- Boom and stick lowering check valves
- Hammer return filter circuit
- Tool Control (two pump, one/two way high-pressure flow)
- Medium-pressure circuit
- Hydraulic efficiency monitoring
- Quick coupler circuit
- SmartBoom™ (Europe only)

SAFETY AND SECURITY

- Cat Command (remote control)
- 360° visibility
- Swing alarm
- Inspection lighting

SERVICE AND MAINTENANCE

- Electric refueling pump with auto shutoff

UNDERCARRIAGE AND STRUCTURES

- 600 mm (24") triple grouser shoes
- 600 mm (24") HD triple grouser shoes
- 600 mm (24") double grouser shoes
- 600 mm (24") single grouser shoes
- 700 mm (28") triple grouser shoes
- 800 mm (31") triple grouser shoes
- 900 mm (34") triple grouser shoes