

Product Specifications For 330



Engine

Net Power - ISO 9249	203.7 kW
Net Power - ISO 9249 (DIN)	277 hp (metric)
Engine Model	Cat® C7.1
Engine Power - ISO 14396	205 kW
Engine Power - ISO 14396 (DIN)	279 hp (metric)
Bore	105 mm
Stroke	135 mm
Displacement	7.01 l
Biodiesel Capability	Up to B20 ¹
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

31400 kg

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

7240 mm

Boom

Reach 6.15 m (20'2")

Stick

Reach 3.2 m (10'6")

Bucket

HD 1.76 m³ (2.30 yd³)

Maximum Reach at Ground Level

10680 mm

Maximum Cutting Height

10030 mm

Maximum Loading Height

6950 mm

Minimum Loading Height

2300 mm

Maximum Depth Cut for 2440 mm (8 ft) Level Bottom

7090 mm

Maximum Vertical Wall Digging Depth

6010 mm

Bucket Digging Force - ISO	179 kN
Stick Digging Force - ISO	126 kN

Hydraulic System

Main System - Maximum Flow	560 l/min (148 gal/min)
Maximum Pressure - Equipment	35000 kPa
Maximum Pressure - Equipment - Lift Mode	38000 kPa
Maximum Pressure - Travel	35000 kPa
Maximum Pressure - Swing	29800 kPa

Swing Mechanism

Swing Speed*	11.5 r/min
Maximum Swing Torque	110 kN·m
Note (1)	*For CE-marked machine default value may be set lower.

Service Refill Capacities

Fuel Tank Capacity	474 l
Cooling System	25 l
Engine Oil	25 l
Swing Drive	10 l
Final Drive - Each	5.5 l
Hydraulic System - Including Tank	310 l
Hydraulic Tank	147 l

DEF Tank	41 l
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Dimensions

Boom	Reach 6.15 m (20'2")
Stick	Reach 3.2 m (10'6")
Bucket	HD 1.76 m³ (2.30 yd³)
Shipping Height - Top of Cab	3060 mm
Handrail Height	3060 mm
Shipping Length	10420 mm
Tail Swing Radius	3130 mm
Counterweight Clearance	1120 mm
Ground Clearance	490 mm
Track Length	4860 mm
Length to Center of Rollers	3990 mm
Track Gauge	2590 mm
Transport Width	3390 mm

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 CO2 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 CO2 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