

Product Specifications For 335



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, 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

34900 kg

Note

Long undercarriage Reach boom, R3.2 (10'6") stick, Heavy Duty (HD) 1.54 m³ (2.01 yd³) bucket, 600 mm (24") triple grouser shoes, 5000 kg (11,202 lb) counterweight and 3440 mm (11'3") blade.

Working Ranges And Forces

Maximum Digging Depth

6990 mm

Boom

Reach 6.15 m (20'2")

Stick

Reach 3.2 m (10'6")

Bucket

HD 1.54 m³ (2.01 yd³)

Maximum Reach at Ground Level

10640 mm

Maximum Cutting Height

11150 mm

Maximum Loading Height

7960 mm

Minimum Loading Height

2910 mm

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

6840 mm

Maximum Vertical Wall Digging Depth

5790 mm

Bucket Digging Force - ISO	207 kN
Stick Digging Force - ISO	144 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	28800 kPa

Swing Mechanism

Swing Speed*	10.8 r/min
Maximum Swing Torque	107.7 kN·m
Note (1)	*For CE-marked machine default value may be set lower.

Service Refill Capacities

Fuel Tank Capacity	368 l
Cooling System	13 l
Engine Oil	25 l
Swing Drive	11 l
Final Drive - Each	7 l
Hydraulic System - Including Tank	350 l
Hydraulic Tank	154 l

DEF Tank	26 l
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Dimensions

Boom	Reach 6.15 m (20'2")
Stick	Reach 3.2 m (10'6")
Bucket	HD 1.54 m³ (2.01 yd³)
Shipping Height - Top of Cab	3270 mm
Handrail Height	3430 mm
Shipping Length	9830 mm
Tail Swing Radius	1900 mm
Counterweight Clearance	1170 mm
Ground Clearance	480 mm
Track Length	5030 mm
Length to Center of Rollers	4040 mm
Track Gauge	2740 mm
Transport Width	3340 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 0.9 kg (1.98lb) of refrigerant which has a CO2 equivalent of 1.287 metric tonnes (1.418 tons). If equipped with R1234yf (Global Warming Potential = 0.5), the system contains 0.8 kg (1.8 lb) of refrigerant which has a CO2 equivalent of 0.001 metric tonnes (0.001 tons).
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Sustainability

335 Standard Equipment

NOTE

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

BOOM AND STICKS

6.15 m (20'2") Reach boom

CAB

Rollover Protective Structure (ROPS)

Air-adjustable seat with heat (Deluxe only)

Auto-adjustable seat with heat and air ventilation (Premium only)

High-resolution 254 mm (10 inch) LCD touchscreen monitor

CAT TECHNOLOGY

VisionLink™

Remote Flash

Remote Troubleshoot

Work tool recognition and tracking (PL161)

Cat Grade with 2D

Cat Assist

Cat Payload

ELECTRICAL SYSTEM

Maintenance-free batteries

LED chassis light, left-hand/right-hand boom lights, cab lights -1800 lumens

Centralized electrical disconnect switch

Programmable time delay working lights after engine shutdown

ENGINE

Cat C7.1 twin turbo diesel engine

Three selectable modes: Power, Smart, Eco

52°C (126° F) high-ambient cooling capacity with derate

-18°C (0° F) cold start capability

Sealed double element air filter with integrated precleaner

1 x 145 Amp. dual alternator

Electric fuel priming pump

Hydraulic and reversible demand fan

Two-stage fuel filtration system with water separator and indicator

HYDRAULIC SYSTEM

Electric main control valve
Boom and stick regeneration circuits
Auto hydraulic oil warm up
Auto two-speed travel
Boom and stick drift reduction valve
Element type main hydraulic filter

SAFETY AND SECURITY

2D E-Fence
Auto hammer stop
Rear- and right-side-view cameras
Right-hand handrail and hand hold
Service platform with anti-skid plate and countersunk bolts
Hydraulic lockout lever neutralizes all controls
Ground level-accessible secondary engine shutoff switch in cab
Lockable disconnect switch
Signaling/warning horn

SERVICE AND MAINTENANCE

Scheduled Oil Sampling (S·O·SSM) ports
Grouped location for engine oil and fuel filter
Integrated vehicle health management system

UNDERCARRIAGE AND STRUCTURES

Grease lubricated track
Tie down points on base frame

335 Optional Equipment

NOTE

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

BOOM AND STICKS

3.2 m (10'6") Reach stick
3.75 m (12'4") 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

SmartBoom™ (Europe only)
Hydraulic efficiency monitoring

SAFETY AND SECURITY

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

UNDERCARRIAGE AND STRUCTURES

5000 kg (11,020 lb) counterweight
7700 kg (16,980 lb) counterweight
600 mm (24") triple grouser track shoes
700 mm (28") triple grouser track shoes
850 mm (33") triple grouser track shoes
3440 mm (11'3") blade
3600 mm (11'10") blade