

Product Specifications For 325 - Tier 4 / Stage V



Engine

Net Power - ISO 9249	172 hp
Net Power - ISO 9249 (DIN)	175 hp (metric)
Engine Model	Cat® C4.4
Engine Power - ISO 14396	174 hp
Engine Power - ISO 14396 (DIN)	176 hp (metric)
Bore	4 in
Stroke	5 in
Displacement	269 in ³
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) or 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. *Engines with no aftertreatment devices can use higher blends, up to 100% biodiesel (for use of blends higher than 20% biodiesel, consult your Cat dealer). **Tailpipe greenhouse gas emissions from lower-carbon intensity fuels are essentially the same as traditional fuels.

Weights

Operating Weight	62800 lb
-------------------------	----------

Note	Long undercarriage, Reach boom, R2.9B1 (9'6") stick, Heavy Duty (HD) 1.19 m ³ (1.56 yd ³) bucket, 790 mm (31") HD triple grouser shoes and 8300 kg (18,300 lb) counterweight.
-------------	--

Working Ranges And Forces

Maximum Digging Depth	22 ft
Boom	Reach 5.7 m (18'8")
Stick	Reach 2.9 m (9'6")
Bucket	HD 1.19 m ³ (1.56 yd ³)
Maximum Reach at Ground Level	32.1 ft
Maximum Cutting Height	36 ft
Maximum Loading Height	25.11 ft
Minimum Loading Height	9.9 ft
Maximum Depth Cut for 2440 mm (8 ft) Level Bottom	21.5 ft
Maximum Vertical Wall Digging Depth	16 ft

Bucket Digging Force - ISO

33720 lbf

Stick Digging Force - ISO

23830 lbf

Hydraulic System

Main System - Maximum Flow

429 L/min (113 gal/min)

Maximum Pressure - Equipment

5075 psi

Maximum Pressure - Equipment - Lift Mode

5510 psi

Maximum Pressure - Travel

5075 psi

Maximum Pressure - Swing

3988 psi

Swing Mechanism

Swing Speed

11.12 r/min

Note (1)

For CE-marked machine default value may be set lower.

Maximum Swing Torque

60480 lbf·ft

Service Refill Capacities

Fuel Tank Capacity

82.7 gal (US)

Cooling System

3.1 gal (US)

Engine Oil

4 gal (US)

Swing Drive

1.5 gal (US)

Final Drive - Each

1.2 gal (US)

Hydraulic System - Including Tank

60.8 gal (US)

Hydraulic Tank

29.4 gal (US)

DEF Tank

6.9 gal (US)

Dimensions

Boom

Reach 5.7 m (18'8")

Stick

Reach 2.9 m (9'6")

Bucket

HD 1.19 m³ (1.56 yd³)

Shipping Height - Top of Cab

10.1 ft

Handrail Height

10.5 ft

Shipping Length

29.2 ft

Tail Swing Radius

5.11 ft

Counterweight Clearance

3.3 ft

Ground Clearance

1.5 ft

Length to Center of Rollers

12 ft

Track Length

14.7 ft

Track Gauge

7.1 ft

Transport Width

9.8 ft

Air Conditioning System

Air Conditioning

The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 0.8 kg (1.8 lb) of refrigerant which has a CO₂ equivalent of 1.144 metric tonnes (1.261 tons).

Sustainability

Recyclability

98%

325 - Tier 4 / Stage V 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 only)

High-resolution 203 mm (8 in) LCD touchscreen monitor (Comfort only)

High-resolution 254 mm (10 in) LCD touchscreen monitor (Deluxe, Premium only)

CAT TECHNOLOGIES

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

Three selectable modes: Power, Smart, Eco

One-touch low idle with auto engine speed control

Auto engine idle shutdown

50° C (122° F) high-ambient cooling capacity without 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 hydraulic warm up

Auto two-speed travel

Boom and stick drift reduction valve

Auto dig boost

SAFETY AND SECURITY

2D E-Fence
Auto hammer stop
Rearview camera
Right-side-view camera
Lift assist
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

Long undercarriage
Tie-down points on base frame

325 - Tier 4 / Stage V Optional Equipment

NOTE

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

BOOMS AND STICKS

5.7 m (18'8") Reach boom
5.7 m (18'8") HD Reach boom
2.8 m + 3.3 m (9'2" + 10'10") Variable Angle boom
2.9 m (9'6") Reach stick
2.9 m (9'6") HD Reach stick
2.9 m (9'6") Thumb Ready stick

CAB

Operator Protective Guards (OPG)
Roller rear sunscreen
Cat Stick Steer

CAT TECHNOLOGIES

VisionLink Productivity
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

ELECTRICAL SYSTEM

360° lighting

ENGINE

-32° C (-25° F) cold start capability

HYDRAULIC SYSTEM

SmartBoom™ (Europe only)

Hydraulic efficiency monitoring

Hammer return filter circuit

SAFETY AND SECURITY

Cat Command remote control

360° visibility

Swing alarm

Inspection lighting

UNDERCARRIAGE AND STRUCTURES

Standard undercarriage (Japan only)

600 mm (24") triple grouser shoes

600 mm (24") HD triple grouser shoes

700 mm (28") triple grouser shoes

700 mm (28") HD triple grouser shoes

790 mm (31") triple grouser shoes

790 mm (31") HD triple grouser shoes

4900 kg (10,800 lb) counterweight

6700 kg (14,771 lb) counterweight

8300 kg (18,300 lb) counterweight

2980 mm (9'9") blade

3170 mm (10'5") blade