

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.

Hydraulic System

Main System - Maximum Flow - Implement	429 L/min (113 gal/min)
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Maximum Pressure - Equipment - Normal	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	3988 psi
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Swing Mechanism

Swing Speed	11.12 r/min
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Maximum Swing Torque	60360 ft·lbf
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Weights

Operating Weight	62800 lb
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Note Long undercarriage, Reach boom, R2.9B1 (9'6") stick, Heavy Duty (HD) 1.19 m³ (1.56 yd³) bucket, 790 mm (31") HD triple grouser shoes and 8300 kg (18,300 lb) counterweight.

Service Refill Capacities

Fuel Tank Capacity	82.7 gal (US)
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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 m ³ (1.56 yd ³)
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 - 600 mm (24") Shoes	9.8 ft
Transport Width - 790 mm (31 in) Shoes	10.4 ft

Working Ranges & 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

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).
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Sustainability

325 - Tier 4 / Stage V Standard Equipment

NOTE

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

CAB

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

Cat Grade 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") VA 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

Roller rear sunscreen
Cat Stick Steer

CAT TECHNOLOGIES

VisionLink Productivity
Cat Grade Connectivity
Cat Grade 2D with Attachment Ready Option (ARO)
Cat Grade 3D single GNSS
Cat Grade 3D dual GNSS
Cat Tilt Rotator (TRS) Integration
Operator Coaching

ELECTRICAL SYSTEM

360° lighting

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

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