

# 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 in³
Biodiesel Capability	Up to B20¹
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)**                      <sup>1</sup>Cat 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 m³ (1.56 yd³) 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 m³ (1.56 yd³)
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

<b>Bucket Digging Force - ISO</b>	33720 lbf
<b>Stick Digging Force - ISO</b>	23830 lbf

## Hydraulic System

<b>Main System - Maximum Flow</b>	429 L/min (113 gal/min)
<b>Maximum Pressure - Equipment</b>	5075 psi
<b>Maximum Pressure - Equipment - Lift Mode</b>	5510 psi
<b>Maximum Pressure - Travel</b>	5075 psi
<b>Maximum Pressure - Swing</b>	3988 psi

## Swing Mechanism

<b>Swing Speed</b>	11.12 r/min
<b>Note (1)</b>	For CE-marked machine default value may be set lower.
<b>Maximum Swing Torque</b>	60480 lbf·ft

## Service Refill Capacities

<b>Fuel Tank Capacity</b>	82.7 gal (US)
<b>Cooling System</b>	3.1 gal (US)
<b>Engine Oil</b>	4 gal (US)
<b>Swing Drive</b>	1.5 gal (US)
<b>Final Drive - Each</b>	1.2 gal (US)
<b>Hydraulic System - Including Tank</b>	60.8 gal (US)
<b>Hydraulic Tank</b>	29.4 gal (US)

DEF Tank	6.9 gal (US)
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## 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).
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## Sustainability

Recyclability	98%
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# 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·S<sup>SM</sup>) 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