

Product Specifications For 325



Engine

Net Power - ISO 9249	128.5 kW
Net Power - ISO 9249 (DIN)	175 hp (metric)
Engine Model	Cat® C4.4
Engine Power - ISO 14396	129.4 kW
Engine Power - ISO 14396 (DIN)	176 hp (metric)
Bore	105 mm
Stroke	127 mm
Displacement	4.4 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

28400 kg

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

6700 mm

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

9780 mm

Maximum Cutting Height

10970 mm

Maximum Loading Height

7900 mm

Minimum Loading Height

2980 mm

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

6520 mm

Maximum Vertical Wall Digging Depth

4880 mm

Bucket Digging Force - ISO	150 kN
Stick Digging Force - ISO	106 kN

Hydraulic System

Main System - Maximum Flow	429 L/min (113 gal/min)
Maximum Pressure - Equipment	35000 kPa
Maximum Pressure - Equipment - Lift Mode	38000 kPa
Maximum Pressure - Travel	35000 kPa
Maximum Pressure - Swing	27500 kPa

Swing Mechanism

Swing Speed*	11.12 r/min
Maximum Swing Torque	82 kN·m
Note (1)	*For CE-marked machine default value may be set lower.

Service Refill Capacities

Fuel Tank Capacity	313 l
Cooling System	25 l
Engine Oil	15 l
Swing Drive	5.5 l
Final Drive - Each	4.5 l
Hydraulic System - Including Tank	230 l
Hydraulic Tank	111 l

DEF Tank	26 l
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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	3080 mm
Handrail Height	3190 mm
Shipping Length	8890 mm
Tail Swing Radius	1810 mm
Counterweight Clearance	1020 mm
Ground Clearance	440 mm
Length to Center of Rollers	3650 mm
Track Length	4460 mm
Track Gauge	2380 mm
Transport Width - 790 mm (31 in) Shoes	3170 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 0.8 kg (1.8 lb) of refrigerant which has a CO2 equivalent of 1.144 metric tonnes (1.261 tons). If equipped with R1234yf (Global Warming Potential = 0.501), the system contains 0.75 kg (1.7 lb) of refrigerant which has a CO2 equivalent of 0.001 metric tonnes (0.001 tons).
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Sustainability

325 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

Tie-down points on base frame

325 Optional Equipment

NOTE

Standard and optional equipment may vary. Consult yourCat® 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

2.5 m (8'2") HD 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

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 - 190 MM (7.5") TRACK PITCH

Base frame with SD track rollers and standard carrier rollers
Base frame with SD track rollers and standard carrier rollers for use with blade
Long undercarriage
600 mm (24") HD triple grouser track shoes
700 mm (28") HD triple grouser track shoes
790 mm (31") HD triple grouser track shoes
700 mm (28") HD triple grouser track shoes with bolt on rubber pad
790 mm (31") HD triple grouser track shoes with bolt on rubber pad
4900 kg (10,800 lb) counterweight
6700 kg (14,770 lb) counterweight
8300 kg (18,300 lb) counterweight
2980 mm (9'9") blade
3170 mm (10'5") blade

UNDERCARRIAGE AND STRUCTURES - 203 MM (8") TRACK PITCH

HD Base frame with SD track rollers and HD carrier rollers
HD Base frame with SD track rollers and HD carrier rollers for use with blade
HD Long undercarriage
600 mm (24") triple grouser track shoes
700 mm (28") triple grouser track shoes
800 mm (31") triple grouser track shoes
900 mm (35") triple grouser track shoes

7500 kg (16,540 lb) counterweight

2980 mm (9'9") blade

3170 mm (10'5") blade