

# PRODUCT SPECIFICATIONS FOR 325 - TIER 4 / STAGE V



## ENGINE

Net Power - ISO 9249	128.5 kW
Engine Model	Cat C4.4
Engine Power - ISO 14396	129.4 kW
Bore	105 mm
Stroke	127 mm
Displacement	4.4 l

## HYDRAULIC SYSTEM

Main System - Maximum Flow - Implement	429 L/min (× 2 pumps)/113 gal/min (× 2 pumps)
Maximum Pressure - Equipment - Normal	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

## WEIGHTS

Operating Weight	28500 kg
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## MACHINE WEIGHT

**Operating Weight - 600 mm  
(24") Triple Grouser Shoes** 22400 kg

**Note (1)** Standard undercarriage, Reach boom, R2.9 m (9'6") stick, HD 0.9 m<sup>3</sup> (1.18 yd<sup>3</sup>) bucket, 600 mm (24") triple grouser shoes, and 4900 kg (10,800 lb) counterweight.

**Operating Weight - 790 mm  
(31") Triple Grouser Shoes** 28500 kg

**Note (2)** Long undercarriage, Reach boom, R2.9 m (9'6") stick, HD 1.19 m<sup>3</sup> (1.56 yd<sup>3</sup>) bucket, 790 mm (31") HD triple grouser shoes and 8300 kg (18,300 lb) counterweight.

## SERVICE REFILL CAPACITIES

**Fuel Tank Capacity** 313 l

**Cooling System** 11.8 l

**Engine Oil** 15 l

**Swing Drive** 12 l

**Final Drive - Each** 4.5 l

**Hydraulic System - Including Tank** 230 l

**Hydraulic Tank** 111 l

**DEF Tank** 26 l

## DIMENSIONS

**Boom** Reach 5.7 m (18'8")

**Stick** Reach 2.9 m (9'6")

**Bucket** HD 1.19 m<sup>3</sup> (1.56 yd<sup>3</sup>)

<b>Shipping Height - Top of Cab</b>	3080 mm
<b>Handrail Height</b>	3187 mm
<b>Shipping Length</b>	8890 mm
<b>Tail Swing Radius</b>	1810 mm
<b>Track Length</b>	4460 mm
<b>Length to Center of Rollers</b>	3650 mm
<b>Ground Clearance</b>	440 mm
<b>Track Gauge</b>	2380 mm
<b>Transport Width - 600 mm (24") Shoes</b>	2980 mm
<b>Transport Width - 700 mm (28") Shoes</b>	3080 mm
<b>Transport Width - 790 mm (31 in) Shoes</b>	3170 mm
<b>Counterweight Clearance</b>	980 mm

## WORKING RANGES & FORCES

<b>Maximum Digging Depth</b>	6700 mm
<b>Boom</b>	Reach 5.7 m (18'8")
<b>Stick</b>	Reach 2.9 m (9'6")
<b>Bucket</b>	HD 1.19 m <sup>3</sup> (1.56 yd <sup>3</sup> )
<b>Maximum Reach at Ground Level</b>	9780 mm
<b>Maximum Cutting Height</b>	10970 mm

<b>Maximum Loading Height</b>	7900 mm
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<b>Minimum Loading Height</b>	2980 mm
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<b>Maximum Depth Cut for 2440 mm (8 ft) Level Bottom</b>	6520 mm
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<b>Maximum Vertical Wall Digging Depth</b>	4880 mm
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<b>Bucket Digging Force - ISO</b>	150 kN
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<b>Stick Digging Force - ISO</b>	106 kN
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## SUSTAINABILITY

<b>Recyclability</b>	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

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

Cat Product Link™

Remote Flash

Remote Troubleshoot

Cat Grade with 2D

Cat Assist

Cat Payload

2D E-Fence

### 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  
Biodiesel capability up to B20

## **HYDRAULIC SYSTEM**

Boom and stick regeneration circuits  
Auto hydraulic warm up  
Auto two-speed travel  
Boom and stick drift reduction valve  
Auto dig boost

## **SERVICE AND MAINTENANCE**

Sampling ports for Scheduled Oil Sampling (S·O·S)  
Ground-level and platform-level engine oil dipsticks

## **SAFETY AND SECURITY**

Rearview camera  
Right-side-view camera  
Lift assist  
Ground-level engine shutoff switch  
Right-hand handrail and hand hold  
Signaling/warning horn

## **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**

Cat Stick Steer  
Auxiliary relay

## **CAT TECHNOLOGIES**

Cat Grade with Advanced 2D  
Cat Grade with 3D single GNSS  
Cat Grade with 3D dual GNSS

## **ELECTRICAL SYSTEM**

360° lighting

## **ENGINE**

-32° C (-25° F) cold start capability

## **HYDRAULIC SYSTEM**

Boom and stick lowering check valves  
Hammer return filter circuit  
Combined Tool Control (two pump, one/two way high-pressure flow)  
Medium-pressure circuit  
Quick coupler circuit

## **SAFETY AND SECURITY**

Cat Detect - People Detection  
360° visibility (requires 254 mm [10 in] monitor)  
Swing alarm  
Cat Command remote control

## **SERVICE AND MAINTENANCE**

Electric refueling pump with auto shut off  
Integrated vehicle health management system

## **UNDERCARRIAGE AND STRUCTURES**

Standard undercarriage (available only in Japan)  
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  
8300 kg (18,300 lb) counterweight

6700 kg (14,771 lb) counterweight

4900 kg (10,800 lb) counterweight

2980 mm (9'9") blade

3170 mm (10'5") blade