

# PRODUCT SPECIFICATIONS FOR 320 GC

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## ENGINE

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**Engine Power - ISO 9249** 90 kW

**Engine Model** Cat C4.4

**Engine Power - ISO 14396** 91 kW

**Bore** 105 mm

**Stroke** 127 mm

**Displacement** 4.4 l

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## HYDRAULIC SYSTEM

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**Main System - Maximum Flow** 442 l/min (116 gal/min)

**Maximum Pressure - Equipment** 35000 kPa

**Maximum Pressure - Travel** 34300 kPa

**Maximum Pressure - Swing** 25000 kPa

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## SWING MECHANISM

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**Swing Speed** 11.6 r/min

**Maximum Swing Torque** 74.4 kN·m

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## WEIGHTS

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**Operating Weight** 21900 kg

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## SERVICE REFILL CAPACITIES

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<b>Fuel Tank Capacity</b>	345 l
<b>Cooling System</b>	25 l
<b>Engine Oil</b>	15 l
<b>Swing Drive - Each</b>	12 l
<b>Final Drive - Each</b>	5 l
<b>Hydraulic System - Including Tank</b>	234 l
<b>Hydraulic Tank</b>	115 l
<b>DEF Tank</b>	39 l

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#### DIMENSIONS

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<b>Boom</b>	Reach 5.7 m (18'8")
<b>Stick</b>	R2.9B1 (9'6")
<b>Bucket</b>	1.00 m <sup>3</sup> (1.31 yd <sup>3</sup> )
<b>Shipping Height - Top of Cab</b>	2960 mm
<b>Handrail Height</b>	2950 mm
<b>Shipping Length</b>	9530 mm
<b>Tail Swing Radius</b>	2830 mm
<b>Counterweight Clearance</b>	1050 mm
<b>Ground Clearance</b>	470 mm
<b>Track Length</b>	3270 mm
<b>Length to Center of Rollers</b>	3650 mm
<b>Track Gauge</b>	2200 mm
<b>Transport Width</b>	3170 mm

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#### WORKING RANGES & FORCES

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<b>Maximum Digging Depth</b>	6720 mm
<b>Boom</b>	Reach 5.7 m (18.8)
<b>Stick</b>	R2.9B1 (9'6")
<b>Bucket</b>	1.00 m <sup>3</sup> (1.31 yd <sup>3</sup> )
<b>Maximum Reach at Ground Level</b>	9860 mm
<b>Maximum Cutting Height</b>	9450 mm
<b>Maximum Loading Height</b>	6490 mm
<b>Minimum Loading Height</b>	2170 mm
<b>Maximum Depth Cut for 2440 mm (8 ft) Level Bottom</b>	6550 mm
<b>Maximum Vertical Wall Digging Depth</b>	5690 mm
<b>Bucket Digging Force - ISO</b>	129 kN
<b>Stick Digging Force - ISO</b>	99 kN

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## 320 GC STANDARD EQUIPMENT

### ENGINE

Cat C4.4 electronically-controlled turbo-charged Tier 4 Final diesel engine

Meets U.S. EPA Tier 4 Final and EU Stage IV emissions standards.

Two selectable power modes

One-touch low idle with automatic engine speed control

Automatic engine idle shutdown

Recommended for use up to 4500 m altitude (14,764 ft) with engine power derate above 3000 m (9,842.5 ft).

52° C (125° F) high-ambient cooling capacity

Cold starting capability for - 32° C (- 25° F)

Double element air filter with integrated pre-cleaner

Electric fuel priming pump

Reversible electric cooling fans

Biodiesel capability up to B20

Biodiesel capability up to B20

## HYDRAULIC SYSTEM

Boom and stick regeneration circuits

Electronic main control valve

Auto warm up

Automatic two-speed travel

Boom and stick drift reduction valve

Element type main hydraulic filter

3 Buttons Joysticks

Electronic main pump

Electric refueling pump(Europe only)

## STANDARD COMFORT CAB

ROPS, standard sound suppression

High-resolution 8" (203 mm) LCD touchscreen monitor

Automatic Bi-level air conditioner

Jog dial and shortcut keys for monitor control

Keyless push-to-start engine control

Height-adjustable console, 3-steps with tool

Mechanically adjustable seat suspension

Seat belt, retractable (51 mm [2"] width)

Fixed left side console

Bluetooth® integrated radio with USB ports

12V DC outlets

Document storage

Cup and bottle holders

Two-piece front window, openable

Steel hatch, openable

Upper radial wiper with 70/30 w/washer

LED dome and lower interior lights

Roller front sunscreen

Beacon ready

Washable floor mat

Straight travel pedal (US Only)

#### UNDERCARRIAGE AND STRUCTURES

Tiedown points on base frame (ISO 15818 Compliant)

Standard bottom guards

Standard travel motor guards

Grease lubricated track links

4200 kg (9,260lb) counterweight

Standard swing frame

Standard swing bearing

Base frame with standard track rollers and standard carrier rollers

Final drive with standard travel motor

#### ELECTRICAL

Machine electronic control module (x2)

1000 CCA maintenance-free batteries (x2)

Centralized electrical disconnect switch

Programmable time-delay LED working lights

LED chassis light, LH boom light for reach-850 lumens

#### BOOM, STICKS AND LINKAGES

5.7 m (18'8") reach boom

2.9 m (9'6") stick

790 mm (31" ) triple grouser track shoes

Bucket linkage, B1-family with lifting eye

#### SAFETY & SECURITY

Rearview camera and side RH mirror

Rear and right hand sideview camera (Europe)

Neutral lever (lock out) for all controls

Anti-skid plate and countersunk bolts on service platform

Ground-level accessible secondary engine shutoff switch in cab

RH hand rail and hand hold (ISO 2867 compliant)

Travel alarm (US only)

#### SERVICE & MAINTENANCE

Sampling ports for Scheduled Oil Sampling (S·O·S<sup>SM</sup>)

Grouped location for engine oil and fuel filters

Ground level 2nd dipstick for engine oil

Remote flash

#### CAT TECHNOLOGY

Cat Product Link™

Auto Hammer Stop

## 320 GC OPTIONAL EQUIPMENT

#### HYDRAULIC SYSTEM

Hammer return filter circuit

Combined flow/high pressure aux circuit

Simplified combined Circuit (2 Way)

Quick coupler circuit for Cat Pin Grabber

Slider joysticks

Smart boom (Europe only)

#### ELECTRICAL SYSTEM

LED chassis light, LH & RH boom lights for reach, cab lights- 850 lumens

#### STANDARD COMFORT CAB

Roller rear sunscreen

#### SAFETY & SECURITY

Radiator screen

RH side mirror for use with RH sideview camera or 360° visibility (Europe)

BUCKET

Heavy duty buckets 1.0m<sup>3</sup> (1.31yd<sup>3</sup>)