

PRODUCT SPECIFICATIONS FOR 320 GC

ENGINE

Engine Power - ISO 9249	121 HP
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Engine Model	Cat C4.4
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Engine Power - ISO 14396	122 HP
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Bore	4 in
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Stroke	5 in
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Displacement	269 in ³
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HYDRAULIC SYSTEM

Main System - Maximum Flow	442 l/min (116 gal/min)
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Maximum Pressure - Equipment	5075 psi
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Maximum Pressure - Travel	4974 psi
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Maximum Pressure - Swing	3625 psi
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SWING MECHANISM

Swing Speed	11.6 r/min
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Maximum Swing Torque	54900 ft·lbf
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WEIGHTS

Operating Weight	48281 lb
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SERVICE REFILL CAPACITIES

Fuel Tank Capacity	86.6 gal (US)
Cooling System	6.6 gal (US)
Engine Oil	4 gal (US)
Swing Drive - Each	3.2 gal (US)
Final Drive - Each	1.3 gal (US)
Hydraulic System - Including Tank	61.8 gal (US)
Hydraulic Tank	30.4 gal (US)
DEF Tank	10.3 gal (US)

DIMENSIONS

Boom	Reach 5.7 m (18'8")
Stick	R2.9B1 (9'6")
Bucket	1.00 m ³ (1.31 yd ³)
Shipping Height - Top of Cab	9.7 ft
Handrail Height	9.8 ft
Shipping Length	31.3 ft
Tail Swing Radius	9.3 ft
Counterweight Clearance	3.4 ft
Ground Clearance	1.5 ft
Track Length	10.7 ft
Length to Center of Rollers	12 ft
Track Gauge	7.2 ft
Transport Width	10.4 ft

WORKING RANGES & FORCES

Maximum Digging Depth	22 ft
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Boom	Reach 5.7 m (18.8)
Stick	R2.9B1 (9'6")
Bucket	1.00 m ³ (1.31 yd ³)
Maximum Reach at Ground Level	32.3 ft
Maximum Cutting Height	31 ft
Maximum Loading Height	21.3 ft
Minimum Loading Height	7.1 ft
Maximum Depth Cut for 2440 mm (8 ft) Level Bottom	21.6 ft
Maximum Vertical Wall Digging Depth	18.7 ft
Bucket Digging Force - ISO	28935 lbf
Stick Digging Force - ISO	22281 lbf

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

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

Ground level accessible secondary engine start 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·SSM)

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 1.0m³ (1.31yd³)