

PRODUCT SPECIFICATIONS FOR 320D3 GC



ENGINE

Net Power - ISO 9249	92 kW
Engine Model	ALUW06DTI
Engine Power - ISO 14396	100 kW
Bore	104 mm
Stroke	113 mm
Displacement	5.76 l

HYDRAULIC SYSTEM

Main System - Maximum Flow	400 l/min (106 gal/min)
Maximum Pressure - Equipment	35000 kPa
Maximum Pressure - Travel	35000 kPa
Maximum Pressure - Swing	25000 kPa

SWING MECHANISM

Swing Speed	10 r/min
Maximum Swing Torque	62 kN·m

WEIGHTS

Operating Weight	19800 kg
------------------	----------

SERVICE REFILL CAPACITIES

Fuel Tank Capacity	350 l
--------------------	-------

Cooling System	19 l
Engine Oil	18 l
Swing Drive - Each	6 l
Final Drive - Each	5 l
Hydraulic System - Including Tank	230 l
Hydraulic Tank	110 l

DIMENSIONS

Boom	Reach 5.7 m (18'8")
Stick	Reach 2.25 m (7'5")
Bucket	GD 1 m ³ (1.31 yd ³)
Shipping Height - Top of Cab	3100 mm
Handrail Height	2915 mm
Shipping Length	9520 mm
Tail Swing Radius	2750 mm
Counterweight Clearance	1020 mm
Ground Clearance	450 mm
Track Length	4080 mm
Length to Center of Rollers	3270 mm
Track Gauge	2200 mm

Transport Width

2800 mm

WORKING RANGES & FORCES

Maximum Digging Depth	5970 mm
Boom	Reach 5.7 m (18'8")
Stick	Reach R2.25 (7'5")
Bucket	GD 1 m ³ (1.31 yd ³)
Maximum Reach at Ground Level	9140 mm
Maximum Cutting Height	9110 mm
Maximum Loading Height	6250 mm
Minimum Loading Height	2920 mm
Maximum Depth Cut for 2440 mm (8 ft) Level Bottom	5640 mm
Maximum Vertical Wall Digging Depth	5350 mm
Bucket Digging Force - ISO	134 kN
Stick Digging Force - ISO	112 kN

320D3 GC STANDARD EQUIPMENT

NOTE

Standard and optional equipment may vary. Consult your Cat dealer for details.

ENGINE

Diesel engine, ALUW06DTI/8 - mechanical governor - emits equivalent to U.S. EPA Tier 2, not-certified

Two selectable power modes

One-touch low idle with auto engine speed control (AEC)

Two stage fuel filtration system with water separator and indicator

4000 m (13,120 ft) altitude capability

52°C (126° F) high-ambient cooling capacity with derate above 48°C (118° F)

-18° C (° F) cold start capability
85 Amp. alternator
Radial seal air filter with double filter element
Mechanical fuel priming pump

HYDRAULIC SYSTEM

Hydraulic boom and stick regeneration circuits
Boom and stick drift reduction valve
High performance hydraulic return filter (capsule filter type)

UNDERCARRIAGE AND STRUCTURES

Grease lubricated track links
Tie down points on base frame
Center track guiding guard
3.7 mt (8,160 lb) counterweight
600 mm (24 in) triple grouser shoes (8.5 mm/0.3 in thick)

BOOMS, STICKS AND LINKAGES

5.7 m (18'8") Reach boom
2.25 m (7'5") Reach stick
Bucket linkage, B1 family without lifting eye

ELECTRICAL SYSTEM

Two 750 CCA maintenance free batteries
Centralized electrical disconnect switch
90 seconds programmable time delay working lights (halogen); storage box G67 mounted (one), cab mounted (two), boom mounted LH (one)

SERVICE AND MAINTENANCE

Engine oil, fuel, and hydraulic oil filters grouped for ease of maintenance
Sampling ports for Scheduled Oil Sampling (S.O.S)
Radiator screen for radiator/oil cooler to prevent plugging by debris

SAFETY AND SECURITY

Rearview mirrors; handrail mounted (one), cab handhold mounted (one)
Bolt free service platform with anti-skid plate
Neutral lever (lock out) for all controls
Ground-level accessible engine shutoff lever in cab
Signaling/warning horn
Right-hand handrail and hand hold

OPERATOR ENVIRONMENT

Sound suppressed cab with viscous mounts
Openable skylight
Openable tempered front upper windshield

Rear window emergency exit
Removable tempered lower windshield with in cab storage bracket
Fully adjustable mechanical suspension seat, console and armrest
51 mm (2 in) seat belt
Two gauge cluster (monitor)
Automatic air conditioner with pressurized function
Dual USB charging ports
Washable floor mat
Interior utilities (Interior lighting, cigar lighter type socket, coat hook, beverage holder, document holding space, rear storage compartment)

CAT TECHNOLOGY

Cat Product Link™

320D3 GC OPTIONAL EQUIPMENT

NOTE

Standard and optional equipment may vary. Consult your Cat dealer for details.

ENGINE

-32° C (-25° F) cold start capability
Air precleaner

HYDRAULIC SYSTEM

Auto two-speed travel

UNDERCARRIAGE AND STRUCTURES

Segmented track guiding guard
600 mm (24 in) triple grouser shoes (10 mm/.04 in thick)

BOOMS, STICKS AND LINKAGES

2.5 m (8.2 in) HD Reach stick

OPERATOR ENVIRONMENT

ROPS cab
FOGS guard
Roll down sun screen
Control pattern changer