

# Product Specifications For 320D3 GC



## Engine

<b>Net Power - ISO 9249</b>	92 kW
<b>Net Power - ISO 9249 (DIN)</b>	125 hp (metric)
<b>Engine Model</b>	ALUW06DTI
<b>Engine Power - ISO 14396</b>	100 kW
<b>Engine Power - ISO 14396 (DIN)</b>	136 hp (metric)
<b>Bore</b>	104 mm
<b>Stroke</b>	113 mm
<b>Displacement</b>	5.76 l
<b>Biodiesel Capability</b>	Up to B10
<b>Emissions</b>	Non-certified emission engine.
<b>Note (1)</b>	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 1,700 rpm. Advertised power is tested per the specified standard in effect at the time of manufacture.

## Weights

<b>Operating Weight</b>	19 800 kg
<b>Note</b>	4.1 m (13'5") Standard undercarriage, 5.7 m (18'8") HD Reach boom, R2.25 (7'5") stick, 1 m <sup>3</sup> (1.31 yd <sup>3</sup> ) GD bucket, 600 mm (24") triple grouser shoes and 3650 kg (8,050 lb) counterweight.

## Working Ranges & Forces

Maximum Digging Depth	5970 mm
Boom	HD Reach 5.7 m (18'8")
Stick	Reach 2.25 m (7'5")
Bucket	GD 1 m <sup>3</sup> (1.31 yd <sup>3</sup> )
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

## 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

## 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**

115 l

## Dimensions

**Boom**

HD Reach 5.7 m (18'8")

**Stick**

Reach 2.25 m (7'5")

**Bucket**

GD 1 m<sup>3</sup> (1.31 yd<sup>3</sup>)

**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

## 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: Standard, Eco  
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  
3650 kg (8,050 lb) counterweight  
600 mm (24 in) triple grouser shoes (9.5 mm/0.4" thick)

### BOOMS, STICKS AND LINKAGES

5.7 m (18'8") HD 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 (LED); 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

## **CAB**

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)

## **TECHNOLOGY**

VisionLink®

## **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  
Fuel flow meter

## **HYDRAULIC SYSTEM**

Auto two-speed travel

## **UNDERCARRIAGE AND STRUCTURES**

Segmented track guiding guard  
600 mm (24 in) triple grouser shoes (10 mm/4.0 in thick)

## **BOOMS, STICKS AND LINKAGES**

2.5 m (8.2 in) HD Reach stick

# CAB

Roll down sun screen  
Control pattern changer