

PRODUCT SPECIFICATIONS FOR 320D3



ENGINE

Net Power - ISO 9249	92 kW
Engine Model	ALUW06DTI
Engine Power - ISO 14396	100 kW
Bore	104 mm
Stroke	113 mm
Displacement	5.8 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	11 r/min
Maximum Swing Torque	62 kN·m

WEIGHTS

Operating Weight	21000 kg
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SERVICE REFILL CAPACITIES

Fuel Tank Capacity	350 l
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Cooling System	19 l
Engine Oil	18 l
Swing Drive - Each	6 l
Final Drive - Each	5 l
Hydraulic System - Including Tank	248 l
Hydraulic Tank	126 l

DIMENSIONS

Boom	Reach 5.7 m (18'8")
Stick	HD Reach 2.5 m (8'2")
Bucket	HD 1.00 m ³ (1.31 yd ³)
Shipping Height - Top of Cab	3050 mm
Handrail Height	2915 mm
Shipping Length	9460 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	6300 mm
Boom	Reach 5.7 m (18'8")
Stick	HD Reach 2.5 m (8'2")
Bucket	HD 1.00 m ³ (1.31 yd ³)
Maximum Reach at Ground Level	9470 mm
Maximum Cutting Height	9250 mm
Maximum Loading Height	6290 mm
Minimum Loading Height	2590 mm
Maximum Depth Cut for 2440 mm (8 ft) Level Bottom	5960 mm
Maximum Vertical Wall Digging Depth	5720 mm
Bucket Digging Force - ISO	140 kN
Stick Digging Force - ISO	118 kN

320D3 STANDARD EQUIPMENT

NOTE

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

CAB

Sound suppressed cab with viscous mounts

Full color 178 mm (7 in) analog and LCD monitor

Mechanically adjustable seat with seatbelt

Openable skylight, openable upper windshield and removable bottom windshield

Automatic air conditioner with pressurized function

CAT CONNECT TECHNOLOGY

Cat Product Link™

ENGINE

Two selectable power modes
One-touch low idle with auto engine speed control
Two stage fuel filtration system with water separator and indicator
52°C (125° F) high-ambient cooling capacity
4000 m (13,120 ft) altitude capability
Radial seal air filter with double filter element

HYDRAULIC SYSTEM

Boom and stick regeneration circuit
Boom and stick drift reduction valve
Auto two-speed travel
Reverse swing damping valve
High performance hydraulic return filter

BOOM AND STICK

5.7 m (18'8") Reach boom
2.5 m (8'2") HD Reach stick

UNDERCARRIAGE AND STRUCTURES

600 mm (24 in) triple grouser shoes (10 mm/0.4 in thick)
Grease lubricated track links
Tie down points on base frame
Center track guiding guard
3.7 mt (8,160 lb) counterweight
4050 mm (13'5") standard undercarriage

ELECTRICAL SYSTEM

Two 750 CCA maintenance free batteries
Halogen chassis light, left-hand boom light, cab lights

SERVICE AND MAINTENANCE

Sampling ports for Scheduled Oil Sampling (S.O.S)
Single plane cooling arrangement
Radiator screen

SAFETY AND SECURITY

Rear window emergency exit
Two rearview mirrors
Hydraulic lock out lever

Ground-level engine shutoff switch
Right-hand handrail and hand hold
Signaling/warning horn

320D3 OPTIONAL EQUIPMENT

NOTE

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

CAB

Roll down sun screen
Control pattern changer

ENGINE

-32° C (-25° F) cold start capability
Engine air pre-filter

HYDRAULIC SYSTEM

Fine swing control
Hammer return filter circuit
Medium-pressure auxiliary circuit

UNDERCARRIAGE AND STRUCTURES

600 mm (24 in) triple grouser shoes (8.5 mm/.03 in thick)
Segmented track guiding guard
4460 mm (14'8") long undercarriage