

Product Specifications For D3



Engine

Engine Model	Cat® C3.6
Power - Net	104 hp
Displacement	220 in ³
Net Power - 2,200 rpm - SAE J1349	104 hp
Net Power - 2,200 rpm - ISO 9249/EEC 80/1269	104 hp
Note (1)	Net power is tested per ISO 9249:2007 and SAE J1349:2011 and as advertised is the power available at the flywheel when the engine is equipped with fan, air intake system, exhaust system and alternator.
Note (2)	All non-road U.S. EPA Tier 4 Final, EU Stage V, Japan 2014 (Tier 4 Final) and Korea Tier 4 Final diesel engines are required to use only Ultra Low Sulfur Diesel (ULSD) fuels containing 15 ppm EPA/10 ppm EU (mg/kg) sulfur or less.

Engine

Power Train	Hydrostatic
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Weights

Operating Weight	20639.68 lb
Operating Weight	20640 lb
Operating Weight - LGP	21369 lb
Operating Weight - LGP, 762 mm/30 in	21810 lb
Note (2)	For machine with ripper, add 554 kg (1,222 lb).

Note (1)

Specifications shown are for machine equipped with dozer blade, EROPS cab, back-up alarm, operator, coolant, lubricants and full fuel tank.

Cab

ROPS

ISO 3471:2008

FOPS

ISO 3449:2005 Level II

Transmission

Drive Pumps

1

Maximum Travel Speed - Forward

5.6 mile/h

Maximum Travel Speed - Reverse

6.2 mile/h

Track Motors

2

Relief Valve Settings

7033 psi

Undercarriage

Shoe Width - Standard

20 in

Ground Pressure - LGP

4.5 psi

Track Gauge - LGP

69 in

Length - Track on Ground - LGP

91 in

**Number of Shoes - Each Side - Sealed and Lubricated Track (SALT)
Undercarriage**

40

Ground Pressure - LGP, 762 mm (30 in)

3.9 psi

Length - Track on Ground - LGP, 762 mm (30 in)

91 in

Shoe Width - LGP

26 in

Shoe Width - LGP, 762 mm (30 in)	30 in
Track Gauge	63 in
Number of Rollers - Each Side	7
Track Gauge - LGP, 762 mm (30 in)	73 in

Undercarriage

Ground Pressure	5.7 psi
Length of Track on Ground	91 in
Number of Shoes - Each Side - Abrasion Undercarriage	36

Service Refill Capacities

Cooling System	5 gal (US)
Final Drive - Each - LGP	2.6 gal (US)
Crankcase - With Filter	2.8 gal (US)
Diesel Exhaust Fluid (DEF) Tank	4.9 gal (US)
Transmission - Hydraulic Tank	23.8 gal (US)
Fuel Tank	51.5 gal (US)

Service Refill Capacities

Final Drives - Each Side	2.6 gal (US)
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Hydraulic Controls

Pump Output	17.2 gal/min
Relief Valve Settings	2988 psi

Ripper

Type	Parallelogram
Number of Shanks	3
Height	6.5 in
Weight	1222 lb
Maximum Digging Depth	13.3 in
Maximum Reach - Ground Line	30.2 in
Overall Width	67.3 in
Maximum Ground Clearance Under Tip	17.6 in

Air Conditioning System

Air Conditioning	The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 1.8 kg of refrigerant which has a CO2 equivalent of 2.574 metric tonnes.
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Dimensions

BLADE: Blade Width - LGP	126.7 in
Track Gauge - LGP, 762 mm (30 in)	73 in
BLADE: Digging Depth - LGP	23.2 in
Track Gauge - LGP	67.9 in
BLADE: Blade Capacity (SAE) - LGP	3.06 yd ³
BLADE: Blade Width at Maximum Angle - LGP	115.8 in
BLADE: Blade Cutting Edge Angle, Adjustable - LGP	52° to 58°

Ground Clearance - LGP, 762 mm (30 in)	13 in
BLADE: Blade Height - LGP	39.8 in
BLADE: Blade Lift Height - LGP	30.2 in
Ground Clearance - LGP	13 in
Overall Length - With Blade - LGP, 762 mm (30 in)	169.6 in
Overall Length - With Blade - LGP	169.6 in
BLADE: Maximum Tilt - LGP	17.7 in
BLADE: Maximum Angle (either side) - LGP	25°
Note	With Ripper Attachment (add to Length of Basic Dozer) - 1177 mm (46.3 in)
Length of Basic Dozer (without blade) - Standard	128.7 in
Dozer Height - Standard	109 in
Width of Dozer (standard shoes, no blade) - LGP	94.9 in
Width of Dozer (standard shoes, no blade) - LGP, 762 mm (30 in)	103.5 in
Length of Basic Dozer (without blade) - LGP	128.7 in
Dozer Height - LGP, 762 mm (30 in)	109 in
Width of Dozer (standard shoes, no blade) - Standard	83 in

Length of Basic Dozer (without blade) - LGP, 762 mm (30 in)	128.7 in
Dozer Height - LGP	109 in

Dimensions

BLADE: Blade Capacity (SAE) - Standard	2.86 yd ³
Track Gauge - Standard	63 in
BLADE: Digging Depth - Standard	23.8 in
BLADE: Blade Lift Height - Standard	30.2 in
Ground Clearance - Standard	13 in
Overall Length - With Blade - Standard	170.7 in
BLADE: Blade Cutting Edge Angle, Adjustable - Standard	52° to 58°
BLADE: Blade Height - Standard	42.2 in
BLADE: Maximum Tilt - Standard	15.8 in
Note	Abrasion Undercarriage
BLADE: Blade Width - Standard	109.5 in
BLADE: Blade Width at Maximum Angle - Standard	103.8 in
BLADE: Maximum Angle (either side) - Standard	25°

Retrieval Winch

Maximum Line Pull - Bare Drum	32150 lb
Control	Hydraulic

Rope Diameter - Optional	0.75 in
Drum Capacity - Optional Cable	195 ft
Maximum Line Speed - Full Drum	79 ft/min
Drum Capacity - Recommended Cable	277 ft
Winch Drive	Hydraulic
Weight	1747 lb
Maximum Line Pull - Full Drum	20350 lb
Rope Diameter - Recommended	0.63 in
Maximum Line Speed - Bare Drum	50 ft/min
Speed	Variable
Winch Length	35.63 in
Drum Diameter	8 in
Overall width	27.91 in
Drum Width	9.65 in
Throat Clearance	5.6 in

High Performance Winch

Winch length	27.76 in
Rope diameter – optional	0.75 in
Maximum line speed – bare drum	131 ft/min

Maximum line pull – bare drum	40000 lb
Weight	1345 lb
Drum capacity – optional	256 ft
Maximum line speed – full drum	207 ft/min
Rope diameter – recommended	0.63 in
Winch drive	Hydrostatic
Throat clearance	6.75 in
Drum diameter	10 in
Overall width	29.2 in
Drum width	10.8 in
Maximum line pull – full drum	25000 lb
Speed	Variable
Drum capacity – recommended cable	371 ft
Control	Hydraulic

D3 Standard Equipment

POWER TRAIN

Air cleaner with precleaner, automatic dust ejection and underhood intake
 Aluminum bar plate cooling system (radiator, power train)
 Automatic traction control
 Cat C3.6 diesel engine
 Drive, auxiliary
 Dual path, closed loop, hydrostatic transmission
 Electric fuel pump
 Fuel/water separator
 Turbocharged aftercooled

ELECTRICAL

Alarm, backup
Alternator, 150 amp, heavy duty
Batteries, heavy duty, maintenance free, 1,000 CCA
Diagnostic connector
Four integrated front halogen lights, two rear halogen
Horn, electric
Starter, electric, 12 V, heavy duty

UNDERCARRIAGE

Heavy Duty (HD) Undercarriage (40 section)
Carrier rollers
Guards, front/rear guiding
Seven roller track frame
Track adjusters, hydraulic
Track rollers, lifetime lubricated

HYDRAULIC

Hydraulic pump and oil
Single lever, three function control
Three valve hydraulics

CAT TECHNOLOGY

Slope Indicate
Stable Blade – Basic Lift
Third party 3D grade system compatible
Cat Product Link™ PLE643/PLE743 Cellular

OPERATOR ENVIRONMENT

Armrests, adjustable
Coat hook
Controls, seat mounted, fore/aft adjustment
Cup holders
Eco Mode
Electronic Monitoring system with gauge:

- Chassis slope indication
- Diesel exhaust fluid (DEF)
- Engine coolant temperature
- Fuel level
- Hydraulic oil temperature

Electronic security system
Engine air cleaner service indicator
Engine RPM and gear display
Floor mat, rubber, heavy duty
Foot pads, dash

Hour meter, electronic
Independent forward/reverse speed settings
Mirror, rearview, inside
Power port, 12 volt
ROPS/FOPS canopy
Seat, air suspended, cloth or vinyl
Seatbelt, hi-vis retractable 76 mm (3")
Seatbelt buckling indicator/reminder
Single pedal combining decel and brake functions
Speed recall
Storage compartment
Throttle switch, rotary
Travel speed limiter, electronic

D3 Optional Equipment

POWER TRAIN

Air cleaner with external precleaner
Installation, winch

ELECTRICAL

Four integrated front LED lights, two rear LED

UNDERCARRIAGE

Abrasion Undercarriage (36 section)

Track Pairs

- Track, 510 mm (20 in)
- Track, 660 mm (26 in)
- Track, 762 mm (30 in)

HYDRAULIC

Four valve for use with ripper

Four valve for use with winch

CAT TECHNOLOGY

Assist with Attachment Ready Option (ARO) includes:

- Slope Indicate
- Blade Load Monitor
- Stable Blade Lift and Tilt
- Slope Assist
- Traction Control
- Steer Assist
- AutoCarry

Grade 3D with Assist includes:

- Same Assist with ARO features
- Steer Assist 3D
- Grade 3D

Cat Product Link PLE683/PLE783 Cellular/Satellite

Full-color 254 mm (10 in) touchscreen grade display

Cat Command Console (availability varies by region)

Cat Command Station (availability varies by region)

OPERATOR ENVIRONMENT

Power Pitch

Cab, with air conditioning

Cab, polycarbonate windows and air conditioning

Radio, AM/FM Bluetooth®

Seat, air suspension, choice of:

- Vinyl, heated seat with heated controls
- Cloth, heated seat with heated controls
- Cloth, heated and ventilated seat with heated controls

Sound suppression

OTHER

Heater, engine, coolant 120 V/240 V

Starting aid, ether