

Product Specifications For D3



Engine

Engine Model	Cat® C3.6
Power - Net	77.6 kW
Displacement	3.6 l
Net Power - 2,200 rpm - SAE J1349	77.6 kW
Net Power - 2,200 rpm - ISO 9249/EEC 80/1269	77.6 kW
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.

Weights

Operating Weight	9362 kg
Operating Weight	9362 kg
Operating Weight - LGP	9693 kg
Operating Weight - LGP, 762 mm/30 in	9893 kg
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.

Transmission

Drive Pumps	1
Maximum Travel Speed - Forward	9 km/h
Maximum Travel Speed - Reverse	10 km/h
Track Motors	2
Relief Valve Settings	48500 kPa

Hydraulic Controls

Pump Output	65 L/min
Relief Valve Settings	20600 kPa

Ripper

Type	Parallelogram
Number of Shanks	3
Height	165 mm
Weight	554 kg
Maximum Digging Depth	337.5 mm
Maximum Reach - Ground Line	766 mm
Overall Width	1710 mm
Maximum Ground Clearance Under Tip	448 mm

Engine

Power Train	Hydrostatic
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Cab

ROPS	ISO 3471:2008
FOPS	ISO 3449:2005 Level II

Undercarriage

Shoe Width - Standard	510 mm
Ground Pressure - LGP	31.2 kPa
Track Gauge - LGP	1750 mm
Length - Track on Ground - LGP	2310 mm
Number of Shoes - Each Side - Sealed and Lubricated Track (SALT) Undercarriage	40
Ground Pressure - LGP, 762 mm (30 in)	27.2 kPa
Length - Track on Ground - LGP, 762 mm (30 in)	2310 mm
Shoe Width - LGP	660 mm
Shoe Width - LGP, 762 mm (30 in)	762 mm
Track Gauge	1600 mm
Number of Rollers - Each Side	7
Track Gauge - LGP, 762 mm (30 in)	1860 mm

Undercarriage

Ground Pressure	38.9 kPa
Length of Track on Ground	2310 mm
Number of Shoes - Each Side - Abrasion Undercarriage	36

Service Refill Capacities

Cooling System	19 l
Final Drive - Each - LGP	10 l
Crankcase - With Filter	10.5 l
Diesel Exhaust Fluid (DEF) Tank	19 l
Transmission - Hydraulic Tank	90 l
Fuel Tank	195 l

Service Refill Capacities

Final Drives - Each Side	10 l
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Air Conditioning System

Air Conditioning	The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a or R1234yf (Europe). See label or instruction manual for gas refrigerant identification. If machine is equipped with R134a (Global Warming Potential = 1430), the system contains 1.8 kg (4 lbs) of refrigerant, which has a CO2 equivalent of 2.574 metric tonnes (2.873 tons). If machine is equipped with R1234yf (Global Warming Potential = 0.501), the system contains 1.7 kg (3.75 lbs) of refrigerant, which has a CO2 equivalent of less than 0.001 metric tonnes (0.001 tons).
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Dimensions

BLADE: Blade Width - LGP	3220 mm
Track Gauge - LGP, 762 mm (30 in)	1860 mm
BLADE: Digging Depth - LGP	590 mm
Track Gauge - LGP	1750 mm
BLADE: Blade Capacity (SAE) - LGP	2.34 m³
BLADE: Blade Width at Maximum Angle - LGP	2940 mm

BLADE: Blade Cutting Edge Angle, Adjustable - LGP	52° to 58°
Ground Clearance - LGP, 762 mm (30 in)	332 mm
BLADE: Blade Height - LGP	1010 mm
BLADE: Blade Lift Height - LGP	767 mm
Ground Clearance - LGP	332 mm
Overall Length - With Blade - LGP, 762 mm (30 in)	4309 mm
Overall Length - With Blade - LGP	4309 mm
BLADE: Maximum Tilt - LGP	448 mm
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	3270 mm
Dozer Height - Standard	2769 mm
Width of Dozer (standard shoes, no blade) - LGP	2410 mm
Width of Dozer (standard shoes, no blade) - LGP, 762 mm (30 in)	2630 mm
Length of Basic Dozer (without blade) - LGP	3270 mm
Dozer Height - LGP, 762 mm (30 in)	2769 mm

Width of Dozer (standard shoes, no blade) - Standard	2110 mm
Length of Basic Dozer (without blade) - LGP, 762 mm (30 in)	3270 mm
Dozer Height - LGP	2769 mm

Dimensions

BLADE: Blade Capacity (SAE) - Standard	2.19 m³
Track Gauge - Standard	1600 mm
BLADE: Digging Depth - Standard	605 mm
BLADE: Blade Lift Height - Standard	767 mm
Ground Clearance - Standard	332 mm
Overall Length - With Blade - Standard	4337 mm
BLADE: Blade Cutting Edge Angle, Adjustable - Standard	52° to 58°
BLADE: Blade Height - Standard	1073 mm
BLADE: Maximum Tilt - Standard	402 mm
Note	Abrasion Undercarriage
BLADE: Blade Width - Standard	2782 mm
BLADE: Blade Width at Maximum Angle - Standard	2636 mm
BLADE: Maximum Angle (either side) - Standard	25°

Retrieval Winch

Maximum Line Pull - Bare Drum	14583 kg
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Control	Hydraulic
Rope Diameter - Optional	19 mm
Drum Capacity - Optional Cable	59 m
Maximum Line Speed - Full Drum	24 m/min
Drum Capacity - Recommended Cable	84 m
Winch Drive	Hydraulic
Weight	794 kg
Maximum Line Pull - Full Drum	9231 kg
Rope Diameter - Recommended	16 mm
Maximum Line Speed - Bare Drum	15 m/min
Speed	Variable
Winch Length	905 mm
Drum Diameter	203.2 mm
Overall width	709 mm
Drum Width	245 mm
Throat Clearance	141.4 mm

High Performance Winch

Winch length	705 mm
Rope diameter – optional	19 mm

Maximum line speed – bare drum	40 m/min
Maximum line pull – bare drum	18144 kg
Weight	610 kg
Drum capacity – optional	78 m
Maximum line speed – full drum	63 m/min
Rope diameter – recommended	16 mm
Winch drive	Hydrostatic
Throat clearance	171.5 mm
Drum diameter	254 mm
Overall width	741 mm
Drum width	274 mm
Maximum line pull – full drum	11340 kg
Speed	Variable
Drum capacity – recommended cable	113 m
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