

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

WEIGHTS

Operating Weight	20639.68 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). Specifications shown are for machine equipped with dozer blade, EROPS cab, back-up alarm, operator, coolant, lubricants and full fuel tank.
Note (1)	

WEIGHTS

Operating Weight 20640 lb

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)

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

WINCH

Weight	1345 lb
Winch Drive	Hydrostatic
Control	Hydraulic
Speed	Variable
Maximum Line Pull - Full Drum	25000 lb
Throat Clearance	6.75 in
Rope Diameter - Recommended	0.63 in
Overall Width	29.2 in
Maximum Line Speed - Full Drum	207 ft/min
Rope Diameter - Optional	0.75 in
Maximum Line Pull - Bare Drum	40000 lb

Drum Capacity - Optional Cable	256 ft
Winch Length	27.76 in
Drum Width	10.8 in
Maximum Line Speed - Bare Drum	131 ft/min
Drum Capacity - Recommended Cable	371 ft
Drum Diameter	10 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	92.9 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°

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

- SALT 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

- Cat Product Link PLE643/PLE743 Cellular
- Slope Indicate
- Stable blade
- Compatibility with radios and base stations from Trimble, Topcon, and Leica
- Capability to install 3D grade systems from Trimble, Topcon, and Leica

ATTACHMENTS

- Rigid drawbar
- Front pull device

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

- Cat GRADE with Slope Assist
- Cat GRADE with 3D
- Cat Product Link PLE683/PLE783 Cellular/Satellite
- Full-color 10 in (254 mm) touchscreen grade display
- Power Pitch

ATTACHMENTS

- Drawbar, towing
- Machine security system
- Mounting, winch
- Ripper, parallelogram, includes three shanks and teeth
- Winch, hydraulic, high performance

- Winch, hydraulic, retrieval

OPERATOR ENVIRONMENT

- 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