

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

OperatingWeight	20639.68 lb
OperatingWeight- LGP	21369 lb
OperatingWeight- 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.

WEIGHTS

Operating Weight	20640 lb
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CAB

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

Drive Pumps	1
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Maximum Travel Speed - Forward	5.6 mile/h
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Maximum Travel Speed - Reverse	6.2 mile/h
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Track Motors	2
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Relief Valve Settings	7033 psi
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UNDERCARRIAGE

Shoe Width - Standard	20 in
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Ground Pressure - LGP	4.5 psi
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Track Gauge - LGP	69 in
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Length - Track on Ground - LGP	91 in
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Number of Shoes - Each Side - Sealed and Lubricated Track (SALT) Undercarriage	40
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Ground Pressure - LGP, 762 mm (30 in)	3.9 psi
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Length - Track on Ground - LGP, 762 mm (30 in)	91 in
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Shoe Width - LGP	26 in
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Shoe Width - LGP, 762 mm (30 in)	30 in
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Track Gauge	63 in
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Number of Rollers - Each Side	7
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Track Gauge - LGP, 762 mm (30 in)	73 in
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UNDERCARRIAGE

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

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

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 yd³

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
OverallLength - With Blade - LGP, 762 mm (30 in)	169.6 in
OverallLength - With Blade - LGP	169.6 in
BLADE: Maximum Tilt - LGP	17.7 in
BLADE: Maximum Angle (eitherside) - 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 (standardshoes, no blade)- LGP	92.9 in
Width of Dozer (standardshoes, 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 yd³

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
Overallwidth	27.91 in
Drum Width	9.65 in
Throat Clearance	5.6 in

HIGH PERFORMANCE WINCH

Winch length	27.76 in
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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
Overallwidth	29.2 in
Drum width	10.8 in
Maximum line pull – full drum	25000 lb
Speed	Variable
Drum capacity – recommendedcable	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

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

Low Slip Traction Control (included with ARO and Cat Grade 3D)
Slope Indicate
Stable Blade Lift and Tilt (included with ARO and Cat Grade 3D)
Compatibility with radios and base stations from Trimble, Topcon, and Leica
Capability to install 3D grade systems from Trimble, Topcon, and Leica
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

Cat Grade with Slope Assist
Cat Grade with 3D
Blade Load Monitor (included with Cat Grade 3D)
AutoCarry (included with Cat Grade 3D)
Cat Product Link PLE683/PLE783 Cellular/Satellite
Full-color 10 in (254 mm) touchscreen grade display
Cat Command Console
Cat Command Station

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