

DEVELON

Dozer

DD100



Engine

Make	DEVELON
Model	G2 DM03-LED00
Number of cylinders	4
Rated power, gross (hp per SAE J1995)	122.0 hp (91.0 kW) @ 2200 rpm
Rated power, net (hp per SAE J1349)	115.3 hp (86.0 kW) @ 2200 rpm
Max. torque, net (SAE J1995)	390.0 lbf.ft. (530.0 Nm) @ 1400 rpm
Displacement	208.0 in. ³ (3.4 L)
Bore and stroke	3.9" x 4.4" (98 mm x 113 mm)
Starter	24 V, 6.7 hp (5.0 kW)
Battery	2 x 12 V, 100 AH
Alternator	24 V, 100 A
Air cleaner	Double element

Hydraulics

Main variable displacement axial piston pump	27.3 gpm (103.5 L/min.)
Relief pressure (normal)	3843.5 psi (265.0 bar)

Undercarriage

Upper rollers (each track)	1
Lower rollers (each track)	7
Number of shoes (links per side)	40

Drive System

Type	Hydrostatic
Travel speed (low – high)	0 – 5.6 mph (0 – 9.0 km/h)
Max. traction force (drawbar pull)	35274.0 lbf. (16000.0 kgf)
Max. grade	70% (35°)

Environment

Sound level (2000/14/EC)	106 dB(A)
Cabin sound level (ISO 6396)	76 dB(A)

Refill Capacities

Fuel tank	58.6 gal. (222.0 L)
DEF tank	7.1 gal. (27.0 L)
Cooling system (radiator capacity)	6.2 gal. (23.5 L)
Engine oil	3.9 gal. (14.6 L)
Final drive (each side)	1.2 gal. (4.5 L)
Hydraulic tank	24.6 gal. (93.0 L)

All capacities are approximate values. Always refer to the machine's OM for exact refill levels. Check the dipstick, level eye, level plug, etc., to achieve the correct level.

Hydraulic Cylinders

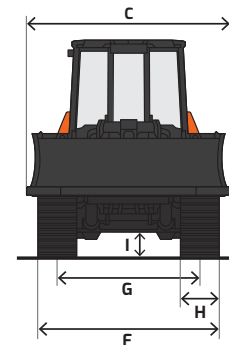
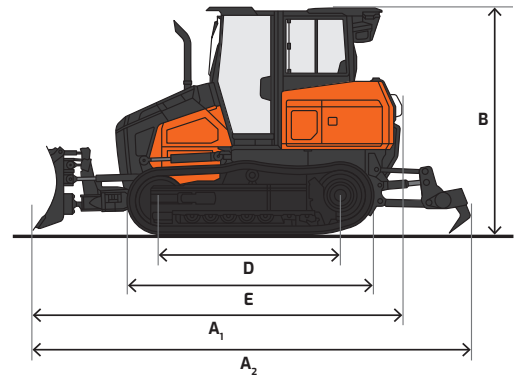
Blade lift (2) bore x rod diameter x stroke	3.5" x 2.0" x 13.7" (90 mm x 50 mm x 347 mm)
Blade angle (2) bore x rod diameter x stroke	3.1" x 1.8" x 17.4" (80 mm x 45 mm x 443 mm)
Blade tilt (1) bore x rod diameter x stroke	3.5" x 2.0" x 5.5" (90 mm x 50 mm x 140 mm)
Ripper lift (2) bore x rod diameter x stroke	3.5" x 2.0" x 3.6" (90 mm x 50 mm x 91 mm)

The piston rods and cylinder bodies are made of high-strength steel. A shock-absorbing mechanism is fitted in all cylinders to ensure shock-free operation and extended piston life.

NOTE: Where applicable, dimensions are in accordance with Society of Automotive Engineers (SAE) and ISO standards. Specifications and design are subject to change without notice. All dimensions on this page are given for the DEVELON dozer equipped with the LGP configuration. Pictures of DEVELON dozers may show other than standard equipment. All dimensions are shown in inches. Respective metric dimensions are enclosed by parentheses. Rounding may impact specifications. DEVELON construction equipment is manufactured with a Quality Management System that is in compliance with ISO 9001:2008.

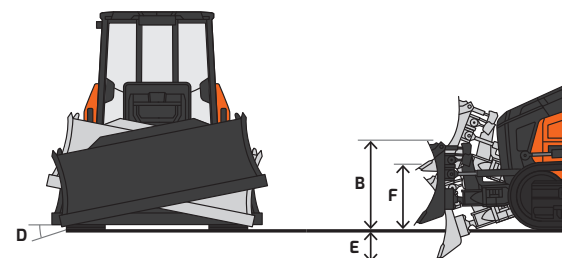
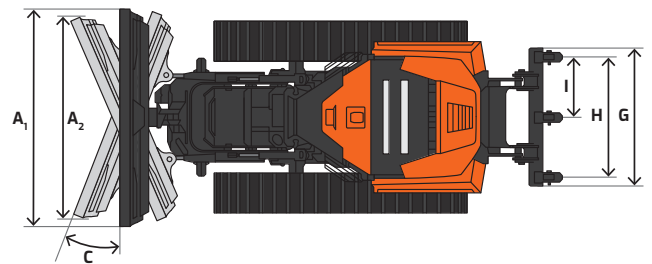
Dimensions

		XL Blade	LGP Blade
Blade type		XL	LGP
Overall shipping length (with drawbar)	A ₁	15' 6.3" (4734 mm)	
Overall shipping length (with ripper)	A ₂	18' 4.5" (5600 mm)	
Overall shipping height	B	9' 6.2" (2900 mm)	
Overall shipping width (blade straight)	C	9' 1.1" (2770 mm)	10' 9.1" (3280 mm)
Tumbler length	D	7' 6.2" (2290 mm)	
Overall track length	E	10' 6.8" (3220 mm)	
Undercarriage width	F	7' 10.8" (2400 mm)	8' 6.0" (2590 mm)
Track gauge width	G	6' 2.4" (1890 mm)	
Track grouser width	H	20.1" (510 mm)	27.6" (700 mm)
Ground clearance	I	7.9" (200 mm)	



Working Range

		XL Blade	LGP Blade
Blade type		XL	LGP
Blade capacity (SAE)		2.9 yd ³ (2.2 m ³)	3.4 yd ³ (2.6 m ³)
Blade width	A ₁	9' 1.1" (2770 mm)	10' 9.1" (3280 mm)
Blade width at max. angle	A ₂	7' 10.9" (2410 mm)	9' 4.7" (2863 mm)
Blade height	B	3' 6.7" (1085 mm)	
Blade angle, max.	C	± 25°	
Blade tilt angle, max.	D	± 8°	
Blade pitch (adjustable)*		54° - 59°	
Blade digging depth	E	1' 6.3" (466 mm)	
Blade lift height	F	2' 9.1" (840.5 mm)	
Ripper digging depth, max.*		11.2" (284 mm)	
Ripper overall width	G	5' 2.0" (1580 mm)	
Ripping width	H	4' 10.5" (1486 mm)	
Number of ripper shanks		3	
Distance between ripper shank	I	2' 5.3" (743 mm)	
Operating weight (with drawbar)		23287 lb. (10563 kg)	24286 lb. (11016 kg)
Ground pressure		5.7 psi (39.2 kPa)	4.3 psi (29.4 kPa)



*Not shown on diagram

Standard & Optional Equipment

| Standard Base Package

■ Standard ● Optional

Engine

Emissions (EPA), T4	■
Diesel oxidation catalyst (DOC)	■
Selective catalytic reduction (SCR)	■
Direct fuel injected	■
Fuel filter with water separator	■
Coolant recovery tank	■
Dual element dry-type air filter	■
Electronic engine control	■
Auto idle	■
Overheat & low oil pressure engine protection	■

Hydraulic

Variable axial piston main pump	■
Full electric hydraulics	■
Hydraulic transmission	■
Adjustable auxiliary flow	■

Electrical

Alternator – 12 V, 100 A	■
12 V battery, 725 CCA @ 0° F (-18° C)	■
Additional LED lighting	■
Rotating beacon	■
Hour meter	■
Laptop service port	■
Self-diagnostics system	■

Undercarriage

Idler trap strings	■
Segmented sprocket	■
Double- and single-sided rollers	■
Rigid frame	■
GP guard	■
Full track guard	●
Adjustable/replaceable idler guide plate	■
Serrated tracks	■
Sealed and lubricated track (SALT)	■
Shoes, steel grouser	■

Cabin

Steel, all-weather & sound suppressed	■
ROPS/TOPS (ISO 12117-2:2008)	■
Front window and side window with wiper/washer	■
Rearview camera	■
8" Smart Touch display	■
Rear window defrost in-glass	■
Tinted safety glass	■
Lockable doors	■
Seat	■
- Air-suspension	■
- 2" (51 mm) seat belt	■
- Adjustable height & recline	■
Adjustable armrests	■
Air conditioner with heater	■
Mirrors	■
AM/FM stereo & Bluetooth®	■
Speakers (2)	■
Power socket, 12 V	■
Interior light	■
Storage for operator's manuals	■

Controls

Blade shake	■
Blade float	■
2D grade control system	■
ECO mode	■
Blade control lever	■
Engine speed control dial	■
Switches, console-mounted	■
- Starter switch (key)	■
- Heater/AC control panel	■
- Boom swing switch	■
- Rotating beacon (if equipped)	■
- 12 V power socket & USB charger	■
Keypad buttons	■
- Overload warning	■
- Travel/swing alarm	■
- Light	■
- Work lights	■
- Wiper & washer	■
- Auto idle	■
Emergency stop switch	■

Display Monitor & Warnings

Buzzer	■
- Engine oil pressure	■
- Coolant temperature	■
Touch screen display monitor	■
- Digital clock	■
- Menu select button	■
- Back button	■
- Fuel gauge	■
- Engine coolant temperature	■
- Hydraulic oil temperature	■
- Mode	■
- Tachometer	■
- Operating mode/flow setting selector	■
Indicator lights	■
- Air filter restriction indicator	■
- Engine check warning light	■
- Hydraulic oil warning	■
- Fuel warning	■
- Auto idle indicator	■
- Auxiliary flow mode indicator	■
- Engine oil pressure light with audible alarm	■
- Preheat (cold start assist) indicator	■
- Two-speed travel indicator light	■
Travel alarm	■

Other

Centralized lubrication	■
Parallel ripper	●
Cab-raise	■
Reversing fan	■
Reversible cutting edge	■
Forestry guard	●
Dozer blade	■
Drawbar	■
Manuals	■
- Operation	■
- AEM safety manual	■
Vandalism protection	■
- Lockable panels	■
- Lockable fluid fill points	■
MY DEVELON (telematics)	■

Features

- 2D grade control system
- 8-inch Smart Touch display
- Standard rearview camera
- LED lights

- Enhanced visibility with minimized front pillars, maximum glass and inline precleaner
- Front, rear and side wiper blades
- Reversible blade cutting edge



- Robust power and durability
- Optimized for more power output with reduced fuel consumption
- Operator presence switch
- Pressurized and sealed cab
- Tilting cab for easier maintenance

- Dual/single flange-type roller with multiple track guard options
- Ripper circuit
- Sprocket segments
- Sealed and lubricated track
- Reversing fan

Certain specification(s) are based on engineering calculations and are not actual measurements. Specification(s) are provided for comparison purposes only and are subject to change without notice. Specification(s) for your individual DEVELON equipment will vary based on normal variations in design, manufacturing, operating conditions, and other factors. Pictures of DEVELON units may show other than standard equipment.

Powered by Innovation

DEVELON

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