

DEVELON

Dozer

DD100



Engine

Make	DEVELON
Model	D34
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)	–
Maximum torque, gross (SAE J1995)	391 lbf. ft. (54.0 kfg·m) @ 1400 rpm
Piston displacement	208 in. ³ (3.4 L)
Bore and stroke	3.9 in. x 4.4 in. (98 mm x 113 mm)
Starter	24 V, 6.7 hp (5.0 kW)
Battery (qty 2)	2 – 12 V, 150 AH
Alternator	24 V, 80 amp
Air cleaner	Double element

Hydraulics

Main pump	26 gpm (99 L/min.)
Relief pressure (normal)	3626 psi (255 kg/cm ²)

Undercarriage

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

Drive System

Travel speed [low – high]	0 – 5.6 mph (0 – 9.0 km/h)
Max. traction force (drawbar pull)	35296 lbf. (16010 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	51.5 gal. (195 L)
DEF tank	16.6 gal. (63 L)
Cooling system (radiator capacity)	6.2 gal. (23.5 L)
Engine oil	11.1 gal. (42 L)
Final drive (each side)	1.8 gal. (7 L)
Hydraulic tank	21.1 gal. (80 L)

Hydraulic Cylinders

Blade lift (2) bore x rod diameter x stroke	3.5 in. x 2. in. x 13.7 in. (90 mm x 50 mm x 347 mm)
Blade angle (2) bore x rod diameter x stroke	3.1 in. x 1.8 in. x 17.4 in. (80 mm x 45 mm x 443 mm)
Blade rotate (1) bore x rod diameter x stroke	3.5 in. x 2. in. x 5.5 in. (90 mm x 50 mm x 140 mm)
Ripper lift bore x rod diameter x stroke	3.5 in. x 2. in. x 3.6 in. (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. Pictures of DEVELON dozers may show other than standard equipment. All dimensions are shown in inches. Respective metric dimensions are enclosed by parentheses. DEVELON construction equipment is manufactured with a Quality Management System that is in compliance with ISO 9001:2008. All dimensions are given for DEVELON dozers equipped with standard tires.

Features

DD100

- Front, rear and side wiper blades
- Standard rearview camera
- Enhanced visibility with minimized front pillars, maximum glass and inline precleaner

- LED lights
- Automatic shut-off sensor
- 8-inch Smart Touch display

- Powerful 122 hp diesel engine with no diesel particulate filter (DPF)

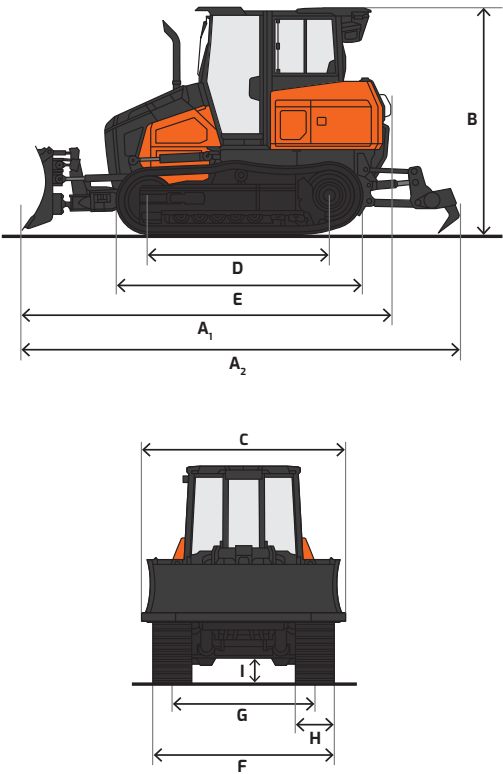


- Available 3D machine guidance and 3D machine control

- Dual/single flange-type roller with multiple track guard options

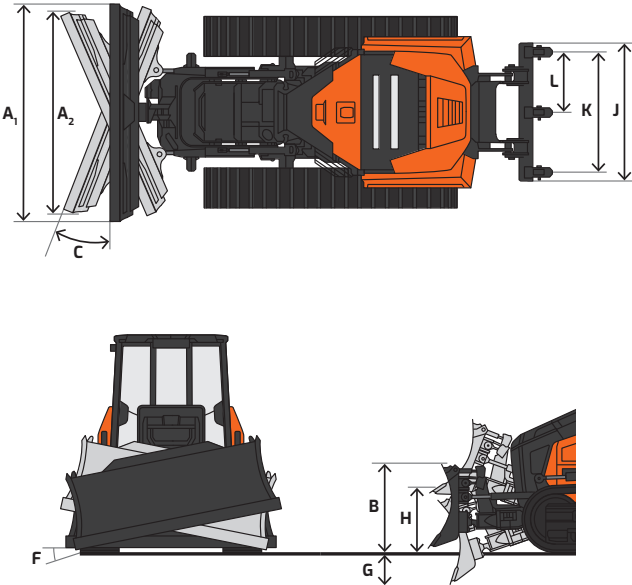
Dimensions

		XL Blade	LGP Blade
Blade type		XL	LGP
Overall shipping length	A ₁	15' 7" (4739 mm)	
Overall shipping length (w/ ripper)	A ₂	18' 5" (5618 mm)	
Overall shipping height	B	9' 6" (2892 mm)	
Overal shipping width (blade straight)	C	8' 11" (2710 mm)	10' 7" (3220 mm)
Tumbler length	D	7' 7" (2310 mm)	
Overall track length	E	11' 8" (3567 mm)	
Undercarriage width	F	7' 10" (2400 mm)	8' 6" (2590 mm)
Track gauge width	G	6' 2" (1890 mm)	
Track grouser width	H	1' 8" (510 mm)	2' 4" (700 mm)
Ground clearance	I	1' 1" (322.5 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	8' 11" (2710 mm)	10' 7" (3220 mm)
Blade width, max. angle	A ₂	7' 11" (2410 mm)	9' 5" (2863 mm)
Blade height	B	3' 9" (1133 mm)	
Blade angle, max.	C	± 27°	
Blade rotate, max.	F	± 8°	
Blade tilt (adjustable)*		54° – 59°	
Blade digging depth	G	1' 6" (466 mm)	
Blade clearance	H	2' 9" (841 mm)	
Ripper penetration, max.*	I	11.2" (284 mm)	
Ripper beam width	J	5' 2" (1580 mm)	
Ripper, cut width	K	4' 11" (1486 mm)	
Ripper, shank distance	L	2' 5" (743 mm)	
Ripper departure angle, raised*	M	–	
Operating weight (without ripper)		22900 lb. (10400 kg)	23800 lb. (10818 kg)
Ground pressure		5.4 psi (0.38 kgf/cm ²)	4.1 psi (0.29 kgf/cm ²)



*Not shown on diagram

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