DEVELON

Compact Track Loader

DTL30



Engine

Make	DEVELON
Model	D24
Emissions certification	EPA Tier 4 final
Number of cylinders	4
Rated power, gross (hp per SAE J1995)	72.7 hp (54.2 kW) @ 2600 rpm
Rated power, net (hp per SAE J1349)	71.7 hp (53.5 kW) @ 2600 rpm
Maximum torque, gross (SAE J1995)	206.5 lbf·ft. (28.6 kfg·m) @ 1600 rpm
Displacement	146 $in.^3$ (2.4 L)
Bore and stroke	3.54 in. x 3.70 in. (90 mm x 94 mm)
Starter	12 V, 4.4 hp (3.3 kW)
Battery	12 V, 100 AH
Asperation	Turbocharged
Alternator	12 V, 90 amp
Air cleaner	Powercore
Aftertreatment	DOC only

Hydraulics

Main pump (STD) (US20/US31)	24.0 gpm (91.0 L/min.) @ 2600 rpm
Main pump (high) (US31)	35.0 gpm (132.6 L/min.) @ 2600 rpm
Pressure (STD) (US20/US31)	3335.9 psi (23000 kPa)
Pressure (high) (US31)	4061.1 psi (28000 kPa)

Loader Performance

Operating weight	US20 – 10531 lb. (4777 kg) US31 – 11223 lb. (5091 kg)
Rated operating capacity (35% of tipping load)	US20 – 2921 lb. (1325 kg) US31 – 3092 lb. (1403 kg)
Tipping load	US20 – 8345 lb. (3785 kg) US31 – 8836 lb. (4008 kg)
Bucket breakout force	6904.9 lbf. (3132 kgf)
Lift arm breakout force	6219.2 lbf. (2821 kgf)
Dump height	96.9 in. (2460 mm)
Dump reach	47.2 in. (1200 mm)
Lift arm path	Vertical

Undercarriage

Lower rollers (each track)	5, triple flange
Front idler	Double (US20), triple (US31)
Rear idler	Single (US20), triple (US31)
Track width	15.7 in. (400 mm), 17.7 in. (450 mm)
Ground pressure	15.7-in. track – 4.8 psi (0.33 bar) 17.7-in. track – 4.2 psi (0.29 bar)

Drive System

Travel speed (low – high)	5.9 – 8.7 mph (9.5 – 14.0 km/h)
Max. traction force (drawbar pull)	10228.8 lbf. (45.5 kN)

Environment

Sound level (2000/14/EC)	99.5 dB(A)
Cabin sound level (ISO 6396)	75 dB(A)

Refill Capacities

Fuel tank	24.3 gal. (92.0 L)
Cooling system (radiator capacity)	2.6 gal. (10.0 L)
Engine oil	3.9 gal. (14.6 L)
Hydraulic tank	7.0 gal. (26.5 L)
Hydraulic system	12.5 gal. (47.2 L)

Hydraulic Cylinders

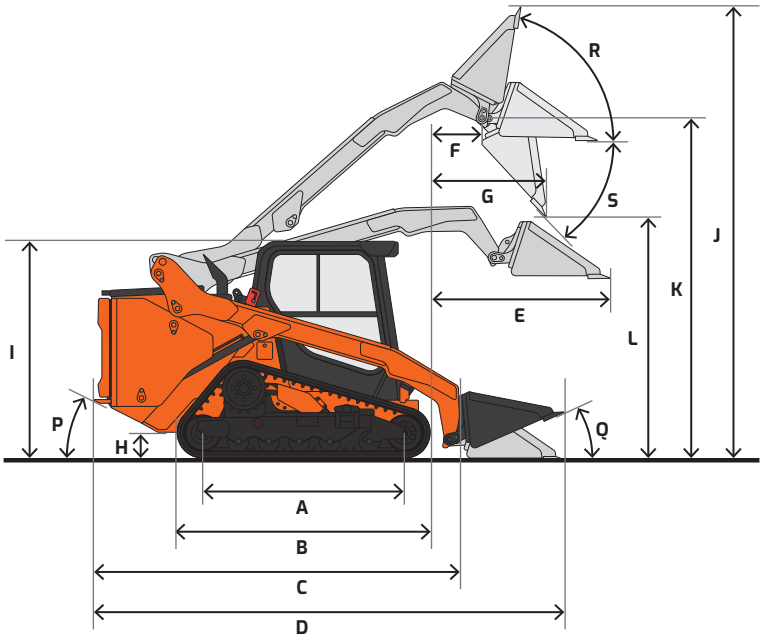
Lift arm (2) bore x rod diameter x stroke	2.8 in. x 2.0 in. x 36.7 in. (70 mm x 50 mm x 932 mm)
Bucket (2) bore x rod diameter x stroke	3.0 in. x 1.6 in. x 13.0 in. (75 mm x 40 mm x 330 mm)
Quick-coupler (1) bore x rod diameter x stroke	1.8 in. x 1.2 in. x 7.5 in. (45 mm x 30 mm x 190 mm)

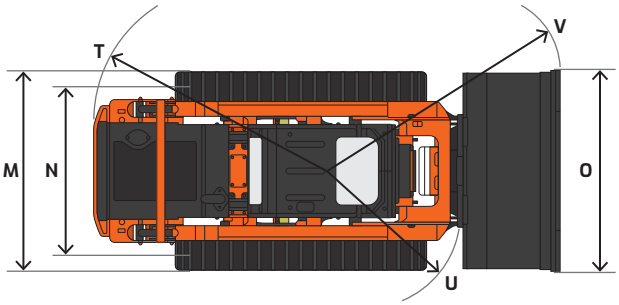
The piston rods and cylinder bodies are made of high-strength steel. A shock-absorbing mechanism is fitted in all cylinders to ensure shock-free operation and extended piston life.

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 compact track loaders may show other than standard equipment. All dimensions are shown in inches. Respective metric dimensions are enclosed by parentheses. Rounding may impact specifications. DEVELON equipment is manufactured with a Quality Management System that is in compliance with ISO 9001:2008. All dimensions are given for DEVELON compact track loaders equipped with 15.7-inch (400 mm) block rubber tracks.

Dimensions & Working Range

			DTL30
Tumbler distance		A	64.2" (1630 mm)
Overall length of track		B	83.9" (2130 mm)
Length (without bucket)		C	123.1" (3127 mm)
Length (bucket on ground)		D	156.1" (3966 mm)
Max. reach (arms parallel to ground)		E	62.2" (1579 mm)
Bucket pin reach at max. lift		F	20.4" (519 mm)
Reach at max. lift and dump		G	47.2" (1200 mm)
Ground clearance		H	8.9" (226 mm)
Height to top of cab		I	83.3" (2116 mm)
Max. overall height		J	169.6" (4308 mm)
Bucket pin height at max. lift		K	128.9" (3275 mm)
Clearance at max. lift and dump		L	96.9" (2460 mm)
Vehicle width	400 mm shoe	M	76.8" (1951 mm)
	450 mm shoe		78.8" (2001 mm)
Track gauge		N	61.1" (1551 mm)
Bucket width (factory bucket)		O	80" (2032 mm)
Departure angle		P	34°
Rollback angle		Q	25°
Rack back angle at max. height		R	87°
Max. dump angle		S	41°
Turning radius from center, rear		T	68.9" (1750 mm)
Turning radius from center, coupler		U	61.1" (1553 mm)
Turning radius from center, bucket		V	98.6" (2504 mm)





Standard & Optional Equipment

■ Standard ● Optional

Engine

Emissions, Tier 4 final (EPA)	■
4-cylinder	■
Common-rail direct injection	■
Turbocharged	■
Powercore air cleaner	■
Diesel oxidation catalyst (DOC) aftertreatment	■

Hydraulic

Variable displacement axial piston main pump	■
Load-sensing control valve, electronic control	■
Gear fan motor, reversable	■
DC 12 V solenoid valve pack	■
Diaphragm type pilot accumulator	■
Element return filter	■
Mesh element suction filter	■
HST filter	■
Hydraulic quick-coupler	■

Electrical

Alternator – 12 V, 90 amp	■
12 V battery, 100 AH	■
Lights, work (LED): front (2), rear (2)	■
Rotating beacon	●
DSM port	■
Rearview camera	■
Around view camera with ultrasonic sensor	●
3.0 global telematics (cell only)	■
Positive terminal rear access	■
Master cutoff switch	■

Cabin

1/2" polycarbonate swing-out door with wiper/washer (US31)	■
Slide-open side windows	■
Skylight	■
Seat - Heated - Adjustable - Air-suspension (US31) - Mechanical suspension (US20) - 2" (51 mm) seat belt	■
Heat and air conditioner (US31)	■
8" touch screen LCD monitor	■
USB charger	■
Power socket, 12 V	■
Cup holder	■
Interior light	■
Rearview mirror	■
Emergency strip-off rear window	■

Controls

Joystick controls Left, travel control (ISO) - Creep speed thumb button - Horn thumb button - Aux 5 thumb button - Aux 6 thumb button - Aux 7, 2-speed trigger Right, arm & bucket control (ISO) - Aux 1 & 2 thumbwheel - Aux 3 thumb button - Aux 4 thumb button - Loader arm float trigger	■
DeSOx manual regen switch	■
Engine throttle control dial	■
Accelerator/decelerator foot throttle	■
Switches, A-pillar-mounted Left - Starter (key) - Aux 7, 2-speed - Aux 8 - Reversing fan - Hour meter Right - Engine throttle dial - Parking brake - Hydraulic cut-off - Quick-coupler	■
Keypad buttons - Continuous flow - Front & rear lamp - Wiper & washer	■
Keypad buttons - Self-leveling - Ride control - Bucket shake	●
Rotating beacon switch	●

Display Monitor & Warnings

Touch screen display monitor - Fuel level - DEF level - Engine coolant temperature - Hydraulic oil temperature - Tachometer - Digital clock with date - Home/menu button - Back/return button - Integrated radio & Bluetooth® audio	■
Mode selections - Auto idle - Rearview camera - Favorites - Trip hours - Creep speed level - Auxilary flow step - Pattern control (ISO, H)	■
Backup alarm	■

Travel Mechanism

2-speed axial piston HST pump	■
Radial piston travel motor	■
17-tooth sprocket	■
Mechanical pilot pressure parking brake	■

Undercarriage

Hydraulically adjusted recoil mechanism	■
Torsion suspension system (US31)	■
Rigid mount frame (US20)	■
Triple flange lower rollers (each side)	5
Double flange front idler (US20)	■
Triple flange front idler (US31)	■
Single flange rear idler (US20)	■
Triple flange rear idler (US31)	■

Tracks

15.7" (400 mm) multi-bar pattern	●
15.7" (400 mm) block pattern	●
17.7" (450 mm) multi-bar pattern	■
17.7" (450 mm) block pattern	●

Smart Assist Features

Bucket shake	■
Attachment positioner	■
Auto return to dig	■
Lift arm end damping	■
Ride control (US31)	■

Other

Manuals - Operation & Maintenance - AEM Safety Manual	■
Vandalism protection - Door locks - Lockable panels - Lockable fluid fill points	■
300 lb. (136 kg) additional counterweight	●

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.

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DTL30 Compact Track Loader Spec Sheet
Printed in the U.S.A.
26907_002_D061726

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