

# DEVELON

## Wheel Loader

# DL250TC-7



### Engine

Make	DEVELON
Model	DL06P
Number of cylinders	6
Rated power, gross (hp per SAE J1995)	171.7 hp (128 kW) @ 2100 rpm
Rated power, net (hp per SAE J1349)	171.7 hp (128 kW) @ 2100 rpm
Max. torque, net (SAE J1995)	593 lbf.ft. (804 Nm) @ 1400 rpm
Displacement	360 in. <sup>3</sup> (5.9 L)
Bore and stroke	3.94 in. x 4.92 in. (100 mm x 125 mm)
Starter	24 V, 8.6 hp (6.0 kW)
Battery (qty 2)	24 V, 100 AH, 900 CCA
Alternator	24 V, 80 amp
Air cleaner	Dry, double elements

### Hydraulics

Main pumps	Variable Displacement Axial Piston Pump 48.8 gpm (184.8 L/min.)
System pressure (work)	3843 psi (265 bar)
System pressure (steer)	2828 psi (195 bar)
Boom speed – up	5.7 +/- 0.5 sec
Boom speed – down	3.7 +/- 0.3 sec
Bucket speed – crowd	1.7 +/- 0.3 sec
Bucket speed – dump	2.6 +/- 0.2 sec

### Travel Speeds

Travel speed – forward (4)	4.1 / 7.2 / 14.1 / 23.5 mph (6.4 / 11.7 / 22.7 / 37.2 km/h)
Travel speed – reverse (3)	4.1 / 7.7 / 14.7 mph (6.7 / 12.4 / 23.8 km/h)
Max. grade	58% (30°)

### Environment

Sound level (ISO 6395)	104 dB(A)
Cabin sound level (ISO 6396)	70 dB(A)

### Refill Capacities

Fuel tank	62.08 gal. (235 L)
DEF tank	8.32 gal. (30 L)
Cooling system (radiator capacity)	8.29 gal. (31.4 L)
Engine oil	6.5 gal. (24.5 L)
Transmission	8.45 gal. (32 L)
Front axle	9.25 gal. (35 L)
Rear axles	6.7 gal. (23 L)
Hydraulic system	39.63 gal. (150 L)

### Hydraulic Cylinders

Steering (2) bore x rod diameter x stroke	3 in. x 2 in. x 17 in. (70 mm x 45 mm x 425 mm)
Lift arm (2) bore x rod diameter x stroke	5 in. x 3 in. x 31 in. (120 mm x 75 mm x 790 mm)
Bucket (1) bore x rod diameter x stroke	4 in. x 3 in. x 35 in. (105 mm x 65 mm x 881 mm)

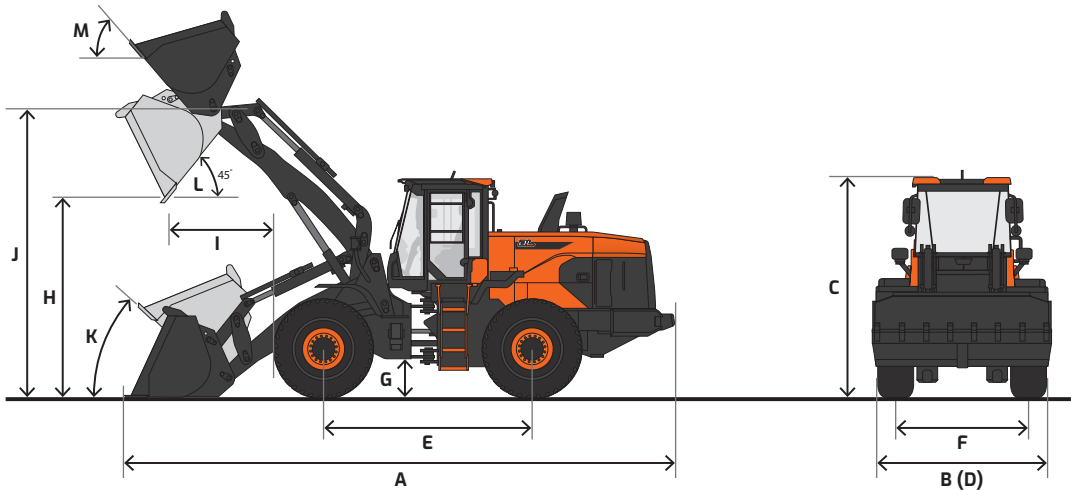
The piston rods and cylinder bodies are made of high-strength steel. A shock-absorbing mechanism is fitted in at the base and rod end of the lift and bucket cylinders and the rod end of the steering cylinders to ensure shock-free operation and extended piston life.

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 wheel loaders 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 wheel loaders equipped with standard tires.

# Dimensions

Standard Arm		
Bucket capacity, heaped ISO/SAE		3.1 yd³ (2.4 m³)
Overall length	A	25' 7" (9219 mm)
Bucket width	B	8' 11" (2740 mm)
Overall height, ROPS cabin	C	10' 9" (3280 mm)
Width at tires	D	8' 5" (2570 mm)
Wheel base	E	9' 10" (3050 mm)
Tread width	F	6' 8" (2040 mm)
Ground clearance	G	1' 5" (431.8 mm)
Dump height (45°) – fully raised	H	9' 0" (2750 mm)
Dump reach (45°) – fully raised	I	4' 3" (1299 mm)
Max. hinge pin height	J	12' 10" (3934 mm)
Max. tilt angle on ground	K	42°
Max. dump angle at fully raised	L	50°
Max. tilt angle at fully raised	M	51°
Max. tilt angle at carry position		48°
Max. steering angle		40°
Digging depth		3" (132 mm)
External turning radius, bucket edge		20' 2" (6150 mm)
External turning radius, outside tire		18' 1" (5508 mm)
Tire size		20.5R25 L3
Operating weight		31605 lb. (14336 kg)
Static tipping load (straight)		20470 lb. (9285 kg)
Static tipping load (at full turn)		18078 lb. (8200 kg)
Breakout force		22930 lbf. (101999 N)

Front Lift Arm Configuration  
Standard: U510



Standard & Optional Equipment

Standard Base Package, US10

■ Standard    ● Optional    — N/A

Engine

Emissions, T4 (EPA)	■
High-pressure common-rail (HPCR)	■
Cooled exhaust gas recirculation (CEGR)	■
Diesel oxidation catalyst (DOC)	■
Selective catalyst reduction (SCR)	■
Diesel exhaust fluid (DEF)	—
Diesel particulate filter (DPF)	—
Fuel filter with water separator	■
Coolant recovery tank	■
Dual element dry-type air filter with evacuator	■
Precleaner	■
Electronic engine control (ECU)	■
Auto idle (working to standby)	■
Auto shutdown (time adjustable)	■
Overheat & low oil pressure engine protection	■
Cooling fan – radiator, variable speed	■
Cooling fan – radiator, automatic reversible	■
Remote drain port – engine oil	■
Block heater (110 V)	●

Hydraulic

Variable displacement axial piston pump	■
Closed-center system	■
Main control valves, pilot	■
Remote test ports	■
Remote drain port, hydraulic oil	■
Parking brake, spring-applied hydraulic release	■
Auxiliary hydraulics (3rd valve)	■
Automatic boom/lift kick-out, adjustable (in cab)	■
Automatic return-to-dig position, adjustable	■
Boom float	■
Load isolation system	●

Electrical

System voltage – 24 V	■
Alternator – 24 V, 80 amp	■
2 x 12 V batteries, 100 AH reserve capacity, 900 CCA	■
Blade-type fuse panel	■
Main circuit breaker	■
Lights, work (LED): front (2), rear (2)	■
Lights, work (LED): front (4), rear (4)	●
Lights, work (LED): front (6), rear (6)	●
Lights, headlights (halogen) – hi/lo beams (2)	■
Lights, stop, tail & direction indicators	■
Horn	■
Rotating beacon	●
Hour meter	■
Engine restart prevention system	■
Rearview camera	■
Laptop service port	■
Self-diagnostics system	■

Cabin

Steel, all-weather & sound-suppressed	■
ROPS (ISO 3471)	■
FOPS (ISO 3449, level II)	■
Front window with wiper/washer	■
Rear window with wiper	■
Tinted safety glass	■
Visor, retractable	■
Adjustable sliding side door window	■
Defrost, front window	■
Lockable doors	■
Seat	■
- Air suspension	
- 2" (51 mm) seat belt	
- Adjustable height & recline	
- Adjustable fore/aft	
- Adjustable armrests	
Control stands	■
- Height adjustable	
- Fore/aft adjustable	
Storage for operator's manuals	■
Mirror, interior rearview (1)	■
Mirror, exterior (2), heated	■
Mirror, exterior (2), heated (electronic adjustable)	●
Fully automatic HVAC with ambient temperature sensor	■
Smart Touch display	■
- 8" touch-enabled	
- Adjustable height & angle	
Transparent bucket	■
- Multi-camera system & controller	
- In-cab display	
AM/FM stereo with hands-free Bluetooth®	■
Speakers (2)	■
Antenna, roof-mounted	■
Emergency breakout tool	■
Hot/cold beverage compartment	■
360° all-around view camera with backup sensor	●
Power socket, 12 V	■
Power socket, USB	■
Cup holder	■
Interior light	■
Coat hanger	■

Controls

Adjustable steering column	■
- Tilting	
- Telescoping	
Emergency secondary steering	●
Throttle pedal (accelerator)	■
Brake pedal, right	■
Brake pedal, left	■
Intelligent clutch cut-off	■
Gear selector (FNR)	■
Joystick control	■
Switches, console-mounted	■
- Starter (button)	
- Parking brake	
- Pilot cutoff	
- Transmission cutoff	
- Work light	
- Reversible cooling fan	
Emergency stop switch	■
Power mode (P, S, E)	■
Transmission mode	■
Wiper control panel	■
Audio control panel	■

Standard Base Package, US10

Display Monitor & Warnings

Buzzer	
- Engine oil pressure	
- Coolant temperature	
- Transmission overheat	
Gauges	
- Fuel level	- ECO
- DEF level	- Smart guidance system
- Engine coolant temperature	- Digital clock
- Transmission oil temperature	- Trip meter
- Engine rpm	- Hour meter
- Speedometer	- Total operation time
- Transmission gear indicator	- Fuel consumption
- Battery voltage	
Warning & indicator lights	
- Seat belt	- Emergency steering
- Error code	- Hydraulic oil temperature
- SCR warning	- Hydraulic charge
- Check engine	- pressure warning
- Engine oil pressure	- Hydraulic pilot filter
- Engine pre-heat engaged	- Hydraulic return filter
- Radiator coolant level	- Transmission mode
& temperature	- Transmission warning
- Air filter	- Transmission lock-up
- Fuel level	- Transmission oil temp
- DEF level – low	- Transmission gear indicator
- Water in fuel	- Brake fluid pressure warning
- Battery charge	- Reverse fan indicator
- Direction signal	- Mirror heat indicator
- Lights (high, main, work, beacon)	- Parking brake indicator
Back-up alarm	■
Scale system, integrated smart scale	●
Rollover protection warning	■
Around view monitor (AVM)	●

Frame & Driveline

Z-bar lift arm	—
Parallel lift	■
Steering cylinder, double-acting (2)	■
Transmission – 4F/3R speed	■
- Full automatic power shift	
- Torque converter	
Differentials	■
- Limited slip front/rear	
Hydraulic power steering	■
Outboard planetary axles	■
Fixed front axle	■
Oscillating rear axle	■
Parking brake, spring-applied hydraulic release	■
Sealed, self-adjusting brakes	■
Tires, 20.5R25 L3 radial standard	■
Outboard brakes	■

Other

Centralized lubrication	—
Air compressor	●
Handrails, entrance & service steps	■
Handrails, roof-mounted	●
Roof cover	●
Skid-resistant entrance steps	■
Skid-resistant service platforms	■
Drawbar & pin	■
Wheel chocks	■
Rear fender, full	●
Additional counterweight	●
Manuals	■
- Operation & Maintenance	
- Parts	
- AEM Safety Manual	
DEVELON Fleet Management	■
Vandalism protection	■
- Lockable panels	
- Lockable fluid fill points	
- Anti-theft protection (password)	

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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# DEVELON

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