

# DEVELON

## Wheel Loader

# DL200-7



### Engine

Make	DEVELON
Model	Perkins 1204J
Number of cylinders	4
Max. power (SAE J1995)	106 kW/144 hp @ 2200 rpm
Max. torque (SAE J1995)	560 N·m @ 1400 rpm
Displacement	4400 cm <sup>3</sup>
Bore × stroke	105 mm × 127 mm
Starter	24 V / 5.5 kW
Batteries - Alternator	2 × 12 V - 24 V/85 A
Air filter	Centrifugal pre-cleaner Top Spin™ Donaldson® with 2-stage dry filter
Cooling	Cooling package with automatic reversing fan to facilitate radiator cleaning. Automatic rotation speed adjustment according to temperature conditions.
Radiator	Wide fin radiator – Intercooler/Hydraulic oil cooler/Transmission oil cooler + A/C condenser

### Transmission

Type	Hydrostatic (HST)
Speeds - forward 1 / 2 / 3 / 4	2 - 13 / 13 / 20 / 38
Speeds - reverse 1 / 2 / 3	2 - 13 / 13 / 20
Maximum traction	8.3 ton
Maximum gradeability	30° (58%)

### Axles

Oscillation angle	+/- 11°
Tire size - standard	20.5R25

### Brakes

Braking distance	7.6 m at 32.9 km/h
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### Hydraulic System

Type	Load sensing – closed center hydraulic system
Main pump	Dual variable displacement axial pistons pumps
Maximum flow	155 l/min
Maximum pressure	265 bar
EMCV	Automatic functions for positioning the bucket ready to dig and a function for stopping the lift arm at the desired height.
Filtration	In the oil return to the tank, the fiberglass filter has a filtering capability of 10 micron.

### Hydraulic Cylinders

Cylinders	Quantity	Bore × rod diameter × stroke (mm)
Lift	2	115 × 75 × 676
Bucket	1	120 × 75 × 509

### Lift Arm

Load cycle	
Lift arm – up	5.6 s
Lift arm – down	2.8 s
Bucket – dump	1.4 s

### CAB

Safety standards	ROPS ISO 3471:2008 FOPS ISO 3449
Noise emissions	
Operator Sound Pressure Level (ISO 6396)	69 dB
Exterior Sound Power Level (ISO 6395)	103 dB

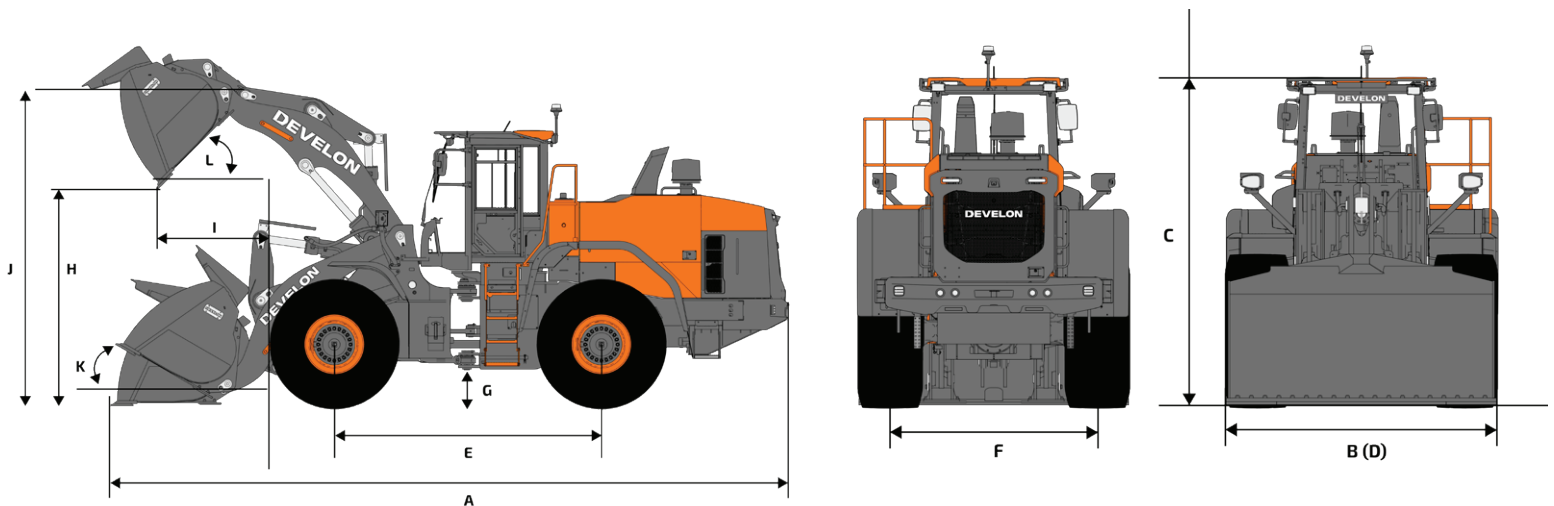
### Fluid Capacities

Fuel tank	235 l
DEF (AdBlue®) tank	19 l
Cooling system (radiator)	32.6 l
Engine oil	11.8 l
Front axle	19.6 l
Rear axle	22.2 l
Hydraulic system	120 l
Hydraulic oil tank	85 l
Transmission oil	2.7 l

# Dimensions

Pin-On		Unit	Eco bucket		Performance Bucket				High lift
			General purpose		General purpose		Material handling		
Ground engaging tools			1.9 m <sup>3</sup> TEETH	2.0 m <sup>3</sup> BOCE	2.2 m <sup>3</sup> BOCE	2.2 m <sup>3</sup> TEETH	2.2 m <sup>3</sup> BOCE	2.2 m <sup>3</sup> TEETH	
	Capacity heaped ISO/SAE	m <sup>3</sup>	1,9	2	2,2	2,2	2,2	2,2	=
	Capacity at 110% fill factor	m <sup>3</sup>	2,1	2,2	2,4	2,4	2,4	2,4	=
<b>B</b>	Bucket width	mm	2550	2550	2550	2550	2550	2550	=
	Breakout force	kN	104	98	90	95	93	98	+1
	Static tipping load (straight)	kg	10181	10124	9883	9933	9952	10036	-1788
	Static tipping load (full turn - 40°)	kg	8990	8933	8698	8748	8765	8849	-1579
<b>H</b>	Dump height (at 45° - fully raised)	mm	2644	2718	2647	2571	2670	2594	+515
<b>I</b>	Dump reach (at 45° - fully raised)	mm	1019	961	991	1094	971	1073	+46
	Digging depth	mm	83	77	102	78	102	78	+143
<b>J</b>	Height at bucket pivot point	mm	3716	3716	3716	3716	3716	3716	+478
	Max. tilt angle in carry position	°	47	47	46	46	46	46	+3
	Max. tilt angle fully raised	°	60	60	60	60	60	60	+3
<b>K</b>	Max. tilt angle on ground	°	44	44	43	42	43	42	=
	Max. tilt angle at max. reach	°	59	59	59	59	59	59	-1
	Max. dump angle at max. reach	°	48	48	48	48	48	48	-4
	Max. dump angle on ground	°	64	64	64	64	64	64	-8
<b>L</b>	Max. dump angle fully raised	°	63	63	62	63	62	63	-5
	External radius - tire side	mm	5889	5849	5887	5930	5875	5918	+192
	External radius - bucket edge	mm	5414	5414	5414	5414	5414	5414	=
<b>E</b>	Wheel base	mm	2980	2980	2980	2980	2980	2980	=
<b>D</b>	Width at tires edge	mm	2539	2539	2539	2539	2539	2539	=
<b>F</b>	Tread	mm	1930	1930	1930	1930	1930	1930	=
<b>G</b>	Ground clearance (at 12° osc.)	mm	434	434	434	434	434	434	=
<b>A</b>	Overall length	mm	7308	7208	7303	7406	7273	7376	+435
<b>C</b>	Overall height	mm	3313	3313	3313	3313	3313	3313	=
	Operating weight	kg	11989	12047	12238	12187	12186	12100	+186

All capacities according ISO 7546, with straight blade [measure at the tip of bucket teeth or cutting edge], tires 20.5R25 (L3), base EU configuration.



# Standard & Optional Equipment

■ Standard    ● Optional

## Engine

Exhaust aftertreatment (DOC + DPF + SCR + EGR)	■
Auto idle function	■
Auto shutdown function	■
Air pre-cleaner (centrifugal)	■
Engine management	■
Fan – reversible, variable speed, with automatic function	■
Wide fin radiators	■

## Powertrain

Hydrostatic transmission (HST)	■
Transmission mode management	■
Axle differential – Torque Proportional Differential (TPD)	■
Axle differential – Limited Slip Differential (LSD)	●

## Hydraulic

Load sensing hydraulic system, variable displacement pump	■
EMCV (Electric main control valve)	■
3rd spool valve	■
4th spool valve	●

## Lift Arm

Standard lift arm, Z-bar kinematic	■
Hydraulic lift arm suspension – Load Isolation System (LIS)	■
Smooth end position bucket & arm	■
Position memories	■
Automatic bucket position "return to dig"	■
Parallel lift (electro-hydraulic compensation)	■
High lift arm, Z-bar kinematic	●

## Cab & Operator comfort

ROPS (ISO 3471:2008)/FOPS (ISO 3449) pressurized cab	■
Grammer seat with vertical and horizontal low-frequency suspension, pneumatic lumbar support, heating, 3-point safety belt	■
Joystick lever with FNR and thumbwheel roller integrated to the seat's right armrest	■
DEVELON Smart Key	■
Door remote opening	■
DEVELON Smart Touch – 8" touch screen, all-in-one	■
DEVELON Smart Guidance System	■
Rear-view mirrors – heated	■
MyDEVELON Fleet Management Web (telematic system)	■
12V socket	■
USB socket	■
Fingertip control	●
Rear-view mirrors – heated, electric adjustment	●
Electric steering joystick on left armrest	●
Grammer seat with vertical and horizontal low-frequency suspension, pneumatic lumbar support, heating and ventilation, 3-point safety belt	●

## Safety

Safety belt alarm	■
Rear-view camera	■
Strobe reversing light	■
LED working lights on cab (2× front + 2× rear)	■
LED working lights on cab (4× front + 4× rear)	●
LED working lights on cab (6× front + 6× rear)	●
DEVELON Transparent Bucket	●
DEVELON Smart View	●

## Other

20.5R25 (L3)	■
20.5R25 (L4)	●
20.5R25 (L5)	●
Automatic lubrication system	●
Additional counterweight	●
DEVELON Smart Load	●

## List of Attachments\*

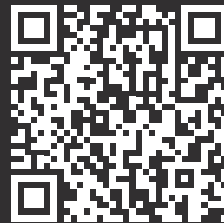
Eco. general purpose bucket - 1.9 m <sup>3</sup> , with teeth, for direct mount, width 2.55 m	●
Eco. general purpose bucket - 2.0 m <sup>3</sup> , bolt-on edge, for direct mount, width 2.55 m	●
Performance general purpose bucket - 2.2 m <sup>3</sup> , one strip teeth ITR, for direct mount, width 2.55 m	●
Performance general purpose bucket - 2.3 m <sup>3</sup> , bolt-on edge, for direct mount, width 2.55 m	●
Performance general purpose bucket - 2.2 m <sup>3</sup> , one strip teeth ITR, for direct mount, width 2.75 m	●
Performance general purpose bucket - 2.3 m <sup>3</sup> , bolt-on edge, for direct mount, width 2.75 m	●
Performance general purpose bucket - 2.1 m <sup>3</sup> , bolt-on edge, for ISO quick coupler, width 2.55 m	●
Performance general purpose bucket, - 2.1 m <sup>3</sup> , bolt-on edge, for ISO quick coupler, width 2.75 m	●

\*Visit our [WHEEL LOADER BUCKET CONFIGURATOR](#) to customize your bucket for your application

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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