



Electric wheel excavator

DX100WE-7

The DX100WE-7 is a 10-tonne class wheeled battery-electric excavator, built for work where space is tight and emissions matter. This compact electric machine is ideal for sites that larger or diesel equipment cannot serve. No local NOx or particulate emissions means the machine can work in enclosed spaces and urban areas. Sharply reduced noise and vibration make it viable in residential streets, near occupied buildings, and during restricted hours – and improve conditions for the operator and for people living alongside the worksite. The wheeled undercarriage adds mobility; that makes the DX100WE-7 a practical answer for urban and utility work under emission and noise restrictions.

Engine and battery data

Engine	Liquid-cooled permanent magnet motor
Power	80 kW
Operating weight	11,6 t
Battery type	LiFePO4
Operating time (indication)	8 hours
AC Charging	22 kW
DC fast charging	105 kW

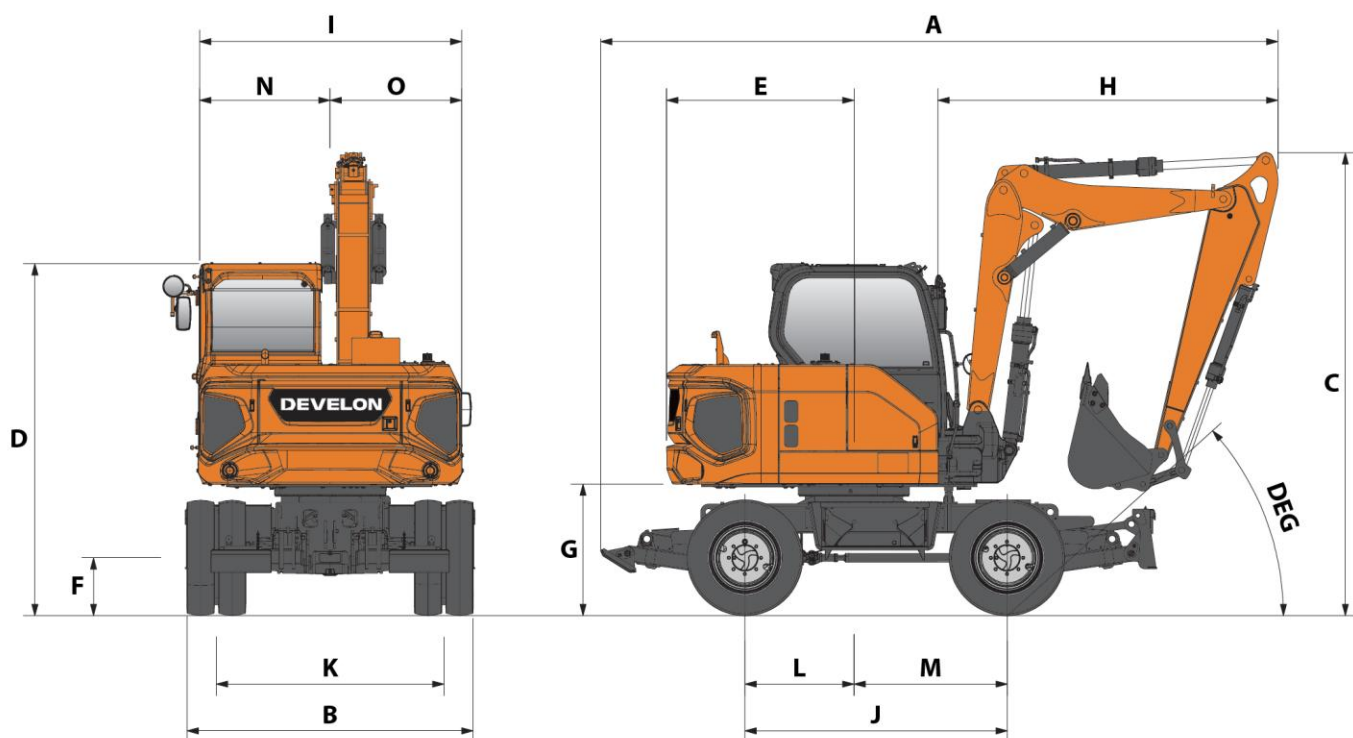
Hydraulic system

The e-EPOS (Electronic Power Optimizing System) is the brain of the excavator – minimizing fuel consumption and optimizing the efficiency of the hydraulic system for all working conditions. To harmonize the operation of the engine and the hydraulics, the e-EPOS is connected to the engine's electronic control unit (ECU) via a data transfer link.

- The hydraulic system enables independent or combined operations
- 2 travel speeds offer either increased torque or high speed
- Load-sensing pump system for optimal efficiency
- Auto-deceleration system
- 3 operating modes, 3 power modes
- Flow and pressure control of auxiliary hydraulic circuits from control panel
- Computer-aided pump flow control

Maximum system pressure	
Work	286 kgf/cm ²
Travel	408 kgf/cm ²

Pumps	Type	Max. flow at 2000 rpm	Relief valve pressure
Main	Axial piston	200 l/min	295 bar
Pilot	Gear	23,2 l/min	28 bar
Steering	Gear	36,6 l/min	125 bar
Brake	Gear	13,2 l/min	125 bar
Travel	Axial piston	112 l/min	435 bar

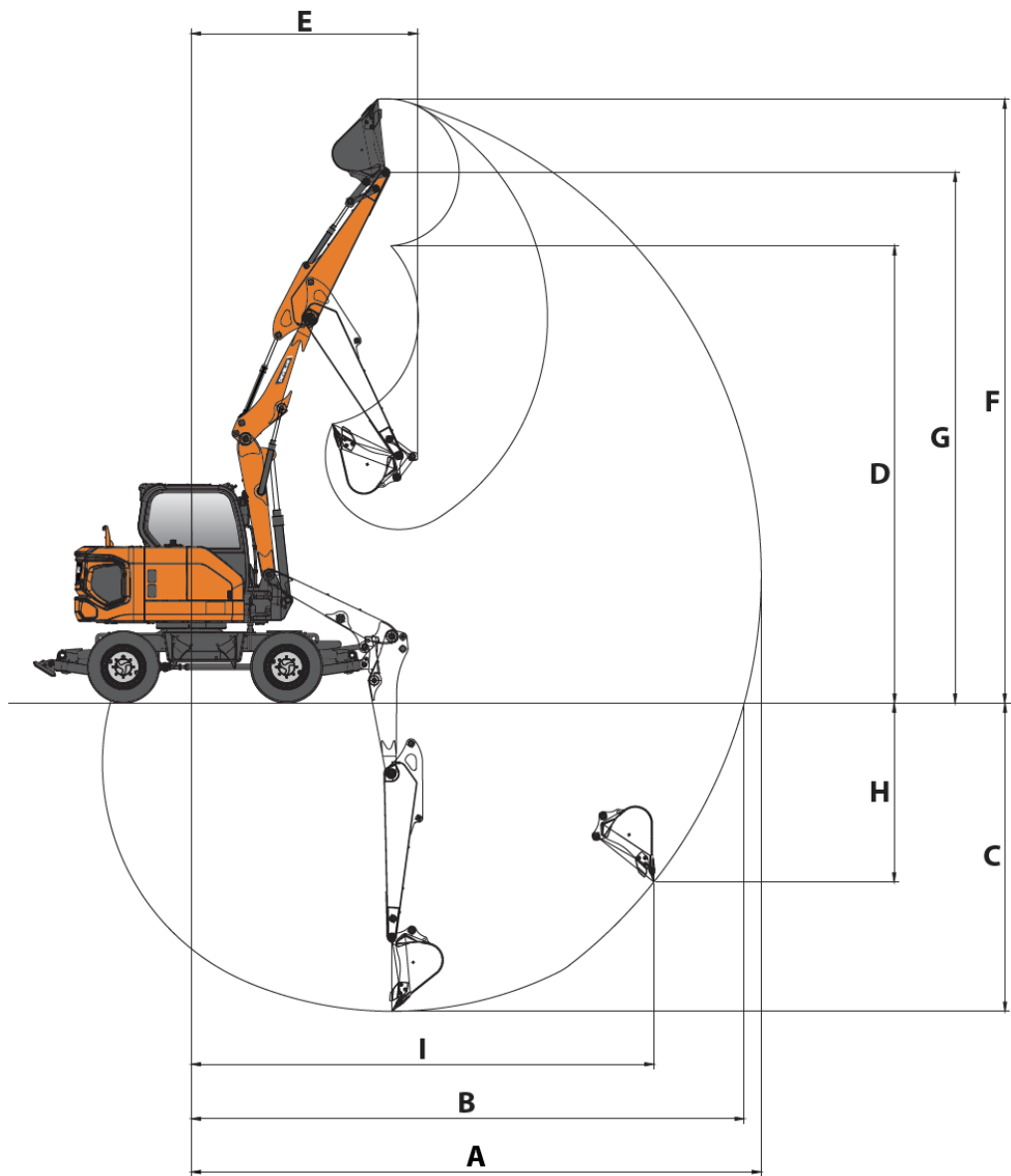


DIMENSIONS

	Unit	Single tire	Double tire
		Rear dozer	Rear stabilizer
A Overall length (travel*)	mm	5809	5687
A' Overall length (transport**)	mm	7319	7281
B Overall width	mm	2450	2450
C Overall height (travel*)	mm	3941	3952
D Overall height (to top of cab)	mm	3000	3011
E Tail swing radius	mm	1600	1600
F Minimum ground clearance	mm	317	328
G Upper structure ground clearance	mm	1099	1110
L/M Center to wheel	mm	932 / 1308	932 / 1308
I Upper structure width	mm	2250	2250
J Wheel base	mm	2240	2240
K Tread width	mm	1987	1944
Dozer blade – max. lifting height	mm	350	350
Dozer blade – max. lowering depth	mm	175	175
Dozer blade – height	mm	500	500

* Road homologation

** Dozer at ground, front at ground



WORKING RANGE

	Unit	Articulated boom
Boom length	mm	1890 mm lower boom + 1880 mm upper boom
Arm length	mm	2250
Bucket capacity	m³	0.28
A Max. digging reach	mm	7820
B Max. digging reach (ground)	mm	7605
C Max. digging depth	mm	4245
D Max. dumping height	mm	6250
E Min. swing radius	mm	3105
F Max. digging height	mm	8265
G Max. bucket pin height	mm	7255
H Max. vertical wall depth	mm	3670
I Max. radius vertical	mm	4800
Boom swing angle (left)	°	60
Boom swing angle (right)	°	60

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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