



Electric mini excavator

DX85RE-7

The DX85RE-7 is an 10-tonne class tracked battery-electric excavator, built for work where space is tight and emissions matter. Compact electric machines open up sites that larger or diesel equipment cannot serve. No local NOx or particulate emissions means the machine can work indoors and in enclosed spaces. 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.. Together, that makes the DX85RE-7 a practical answer for confined urban and utility work.

Hydraulic system

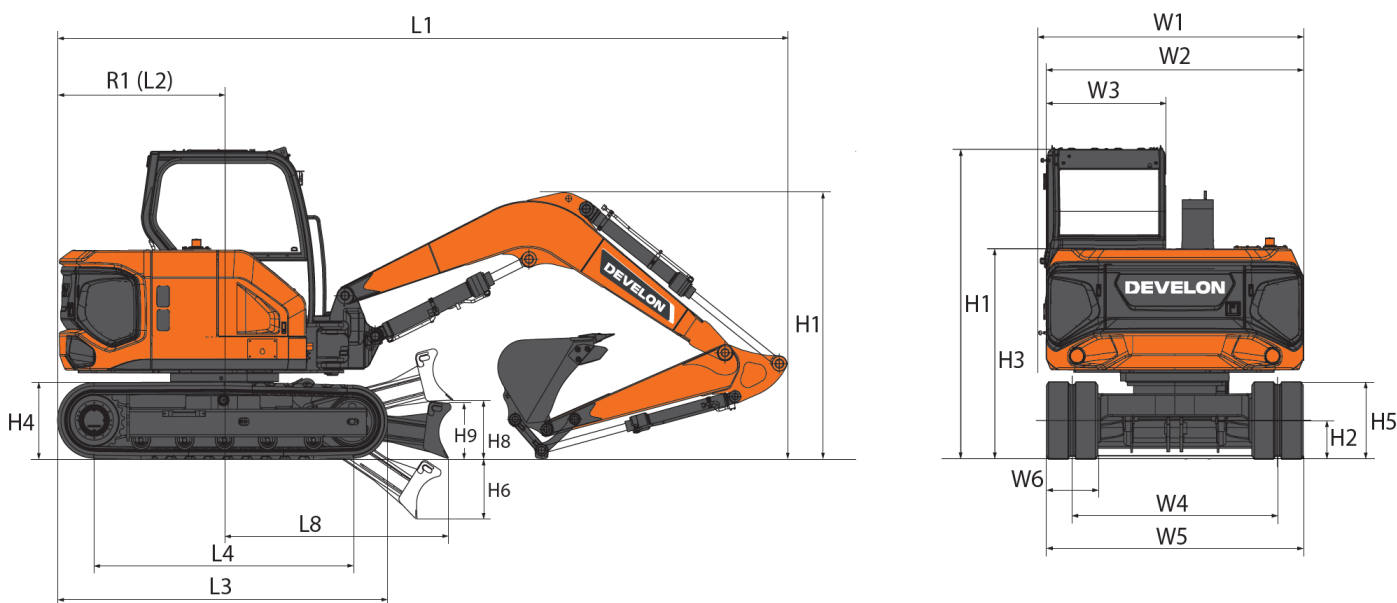
The e-EPOS (Electronic Power Optimizing System) is the brain of the excavator – minimizing fuel consumption and optimizing the efficiency of the hydraulic system for all working conditions. To harmonize the operation of the engine and the hydraulics, the e-EPOS is connected to the engine's electronic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

- 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

Engine and battery data

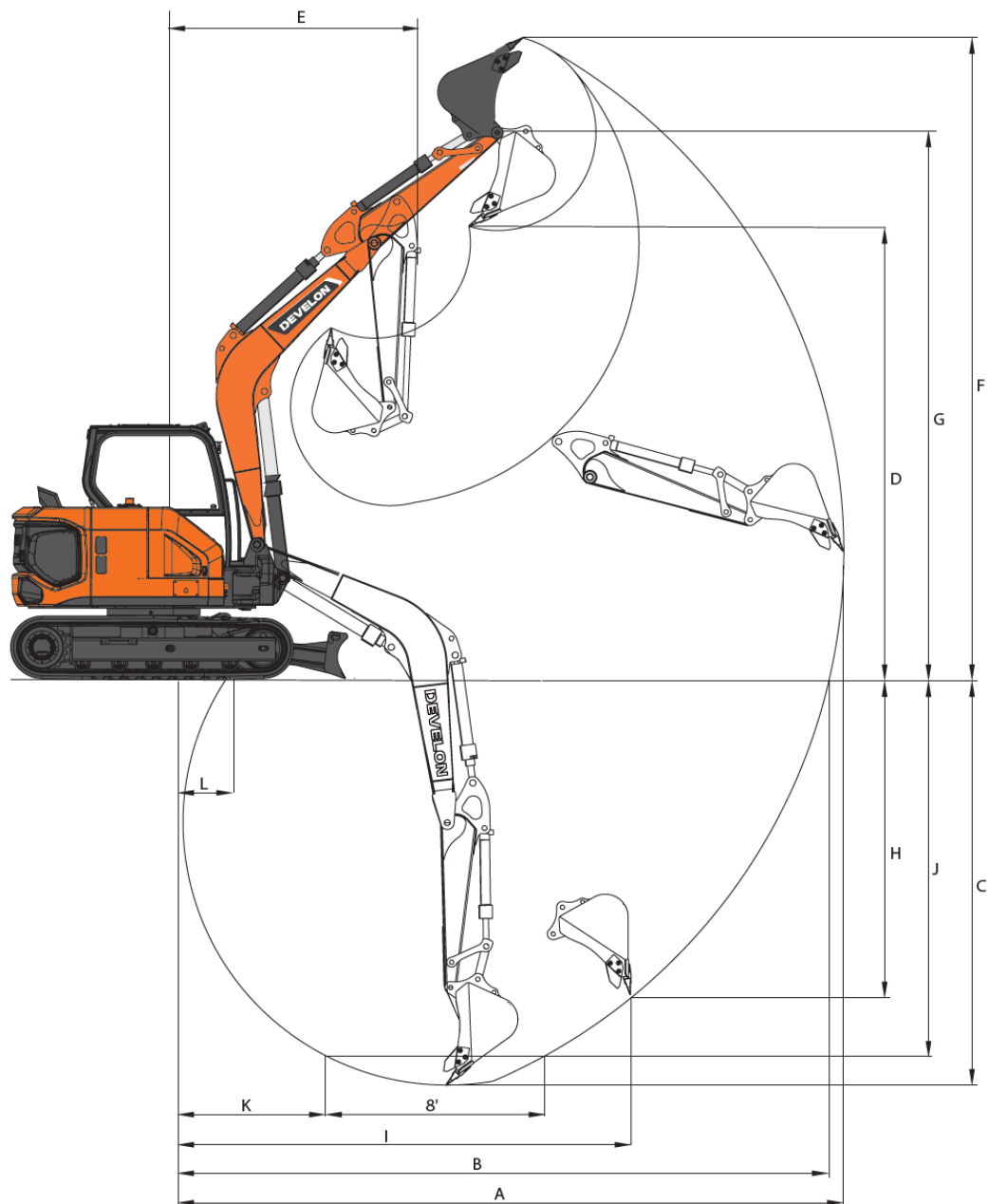
Engine	Liquid-cooled permanent magnet motor
Power	60 kW
Operating weight	10,3 t
Battery type	LiFePO4
Operating time (indication)	10 hours
AC Charging	22 kW
DC fast charging	105 kW

Main pumps	Tandem axial piston pump (load sensing) Maximum flow at 2100 rpm 149 l/min
Relief valve setting	
Attachment	285 kgf / cm2
Traveling	300 kgf / cm2
Swing	214 kgf / cm2



DIMENSIONS

Boom type		Unit	Mono boom		Articulated boom
Boom length		mm	3380	3380	-
Arm length		mm	1700	2250	1700
Bucket capacity		m³	0.28	0.28	0.28
Undercarriage (track + grouser)		-	Rubber	Rubber	Rubber
L1	Overall length	mm	6430	6450	6640
H1	Overall height	Boom	mm	2335	2120
		Cab	mm	2657	2657
W1	Overall width	mm	2250	2250	2250
R1	Rear swing radius	Standard	mm	1465	1465
H2	Ground clearance	mm	294	294	294
L2	Rear end distance	Standard	mm	1449	1449
W2	House width	mm	2250	2250	2250
W3	Cab width	mm	1040	1040	1040
H3	Height over cover	mm	1778	1778	1778
H4	Counterweight clearance	mm	758	758	758
H5	Track height	mm	656	656	656
L3	Track length	mm	2952	2952	2952
L4	Tumbler distance	mm	2315	2315	2315
W4	Track gauge	mm	1800	1800	1800
W5	Undercarriage width	Standard	mm	2250	2250
W6	Shoe width	mm	450	450	450
	Grouser height	mm	30	30	30
H6	Dozer digging depth	mm	511	511	511
H8	Dozer lift clearance	mm	502	502	502
H9	Dozer blade height	mm	454	454	454
L8	Distance to dozer end	mm	1972	1972	1972
Boom swing angle (left/right)		°	60/60		



WORKING RANGE

Boom type	Unit	Mono boom		Articulated boom
Boom length	mm	3380		Arti (1890 + 1880)
Arm length	mm	1700	2250	1700
Bucket capacity	m ³	0.28		0.28
A Max. digging reach	mm	7015	7530	7280
B Max. digging reach (ground level)	mm	6850	7380	7130
C Max. digging depth	mm	4110	4670	4040
D Max. dumping height	mm	4705	5050	5425
E Min. swing radius (boom swing)	mm	2775 (2080)	2945 (2250)	2755 (2060)
F Max. digging height	mm	6690	7035	7440
G Max. bucket pin height	mm	5715	6060	6430
H Max. vertical wall depth	mm	3180	3700	3490
I Max. radius vertical	mm	4825	5005	4630
J Max. depth to 8' line	mm	3735	4345	3870

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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