

DEVELON

Mini Excavator DX27Z-7



Engine

Manufacturer	Kubota
Model	KUBOTA V1505
Number of cylinders	4
Gross rated power	25 hp (18.5 kW) @ 2 300 rpm
Net maximum torque	92.2 Nm
Displacement	1.498 l
Bore and stroke	78 × 78.4 mm
Starter	12V – 1.4 kW
Air cleaner	Double elements

Hydraulics

Main pump type	Axial piston pumps
Main pump	2-28.8 l/min @ 2 400 rpm
Gear	19.2 l/min @ 2 400 rpm
Pilot pump (gear design)	10.8 l/min @ 2 400 rpm

Performance

Swing speed	9.3 rpm
Maximum swing torque	5.46 kN.m
Bucket breakout force (ISO)	2.22 t
1.1 m Arm tearout force (ISO)	1.3 t
1.3 m Arm tearout force (ISO)	1.45 t

Drive system

Travel speed (low – high)	2.5 / 4.3 km/h
Maximum traction	3.13 t
Maximum gradeability	30° / 58 %

Undercarriage

Rubber track width	300 mm
Number of rollers	3
Number of links & shoes per side	44
Link pitch	101.6 mm
Ground pressure	0.29 kgf/cm ²

Environment

Sound level	94 dB(A)
Cabin sound level	76 dB(A)

Refill capacities

Fuel tank	46 (36) l
Cooling system (radiator capacity)	4.8 l
Engine oil	6.7 l
Travel device	2× 0.9 l
Hydraulic tank	51 (39) l

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. All dimensions are given for Develon Mini excavator in standard configuration. Pictures of Develon Mini excavator may show other than standard equipment. All dimensions are shown in millimeters. Respective metric dimensions are enclosed by parentheses. Rounding may impact specifications. Develon construction equipment is manufactured with a Quality Management System that is in compliance with ISO 9001:2008.

Standard & Optional Equipment

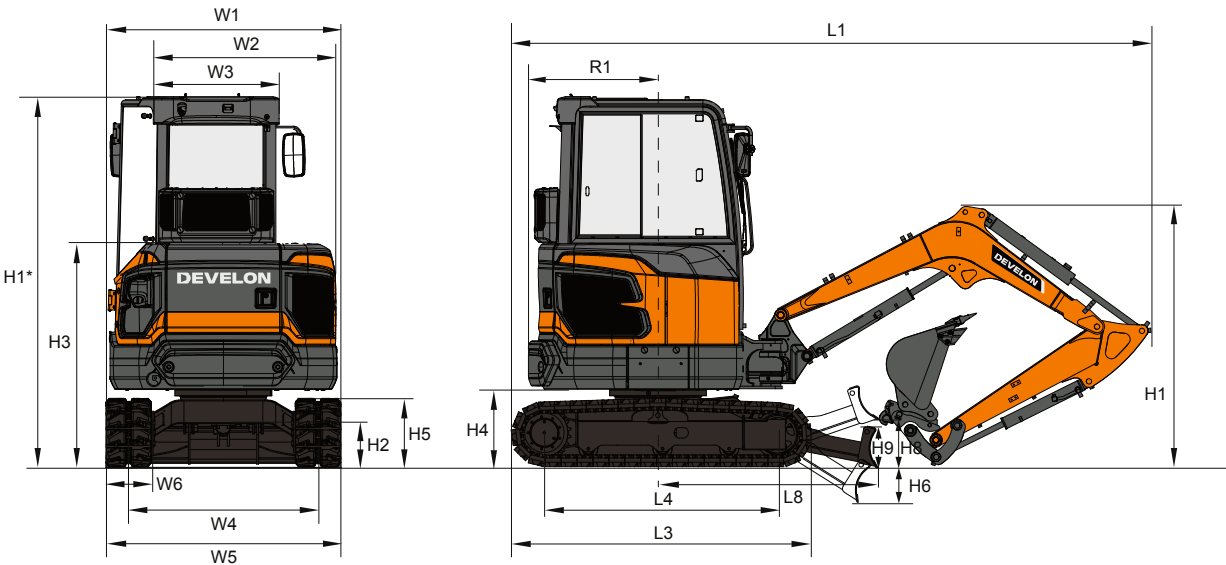
■ Standard ● Optional

Engine	
KUBOTA V1505, Stage V engine with direct fuel injection	■
Auto-idle function	■
Hydraulic system	
2-way high-flow auxiliary line with settings controlled from the display panel	■
1-way and 2-way piping without pedal	■
Joystick boom swing control	■
Rotation line (Pero)	●
Quick coupler line	●
Cab & Interior	
4-pillar canopy with 5.7 inch digital gauge panel	■
Pressurized, sound-insulated heated cab	●
Pressurized, sound-insulated heated cab with air conditioning	●
Mechanical suspension seat	■
Ceiling light	■
Intermittent windshield wiper (not available for canopy)	■
Multiple storage compartments	■
Flat, spacious, easy-to-clean floor	■
Cup holder	■
Anti-theft protection	■
5.7 inch digital Gauge Panel	■
Electric horn	■
Engine speed (RPM) control dial	■
Hydrostatic 2-speed travel system with manual or automatic shift	■
DAB radio with handsfree call system (cab only)	■
USB charger & 12 V power socket	■
Serial communication port for laptop PC interface	■
Travel pedals and hand levers	■
Master key	■
Upper Structure	
Casted counterweight 145 kg	■
One-piece counterweight 205 kg	●
One-piece counterweight 245 kg	●

Safety	
Roll Over Protective Structure (ROPS)	■
Boom and arm cylinder safety valves	■
Overload warning device	■
Rotating beacon	■
Hydraulic safety lock lever	■
Emergency escape hammer	■
Emergency engine stop switch	■
Reinforced cast steel pivot points	■
Battery cut-off switch	■
LED work light (1 on the boom)	■
Lockable fuel cap	■
Rear camera	■
LED working lights on cab (2× FR + 1× RE)	■
LED working lights on canopy (2× FR + 1× RE)	■
Travel alarm	●
Other	
2 090 mm mono boom – 1 100 mm arm	■
2 090 mm mono boom – 1 300 mm arm	●
My Develon	■
Arm, boom, bucket, blade cylinder guard	■
Double element air cleaner	■
Self-diagnostic function	■
Battery (12 V, 55 Ah), alternator (12 V, 75 A)	■
Remote greasing for swing circle and workgroup pivot points	■
Undercarriage	
Fixed undercarriage	■
300 mm rubber tracks	■
Dozer blade	■
Greased and sealed track links	■
List of Attachments	
DX27z-7 buckets set (=1 hydraulic quick coupler + 2 digging buckets 46 l, 305 mm / 60 l, 610 mm + 1 rigid grading bucket 139 l, 1 219 mm)	●
Develon Hydraulic Breaker HB04H, 600 – 1 100 bpm, 120 dB	●

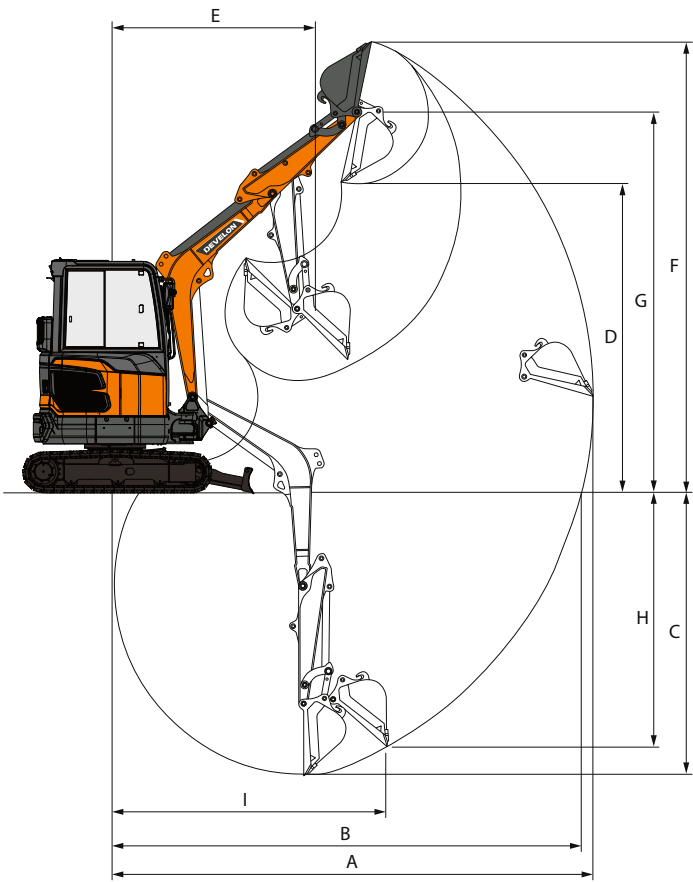
Dimensions

Description		Unit	1.1 m arm	1.3 m arm
	Operating weight	kg	2 730	2 830
	Add. CW	kg	-	100
	Bucket capacity	m³	0.06	0.08
	Shoe	-	Rubber	
L1	Overall length	mm	4 168	4 191
H1	Overall height – boom	mm	1 556	1 688
H1*	Overall height – cab (canopy)	mm	2 442	
W1	Overall width	mm	1 550	
R1	Rear end distance	mm	790	855
H2	Ground clearance	mm	217	
W2	House width	mm	1 500	
H3	Cabin width	mm	1 062	
H4	Height over cover	mm	1 471	
H4	Counterweight clearance	mm	512	
H5	Track height	mm	451	
L3	Track length	mm	1 960	
L4	Tumbler distance	mm	1 540	
W4	Track gauge	mm	1 250	
W5	Undercarriage width	mm	1 550	
W6	Shoe width	mm	300	
H6	Blade digging depth	mm	335	
H8	Blade lift clearance	mm	383	
H9	Blade height	mm	289	
L8	Distance to blade end	mm	1 450	



Working Range

	Description	Unit	1.1 m arm	1.3 m arm
	Bucket type	m ³	0.06	
A	Max. digging reach	mm	4 655	4 845
B	Max. digging reach (ground)	mm	4 520	4 720
C	Max. digging depth	mm	2 645	2 845
D	Max. dumping height	mm	2 935	3 065
E	Min. swing radius	mm	2 045	2 095
F	Max. digging height	mm	4 385	4 515
G	Max. bucket pin height	mm	3 665	3 795
H	Max. vertical wall depth	mm	1 565	1 690
I	Max. radius vertical	mm	3 670	3 815
	Boom swing radius (left/right)	°	66.5 / 53.5	



DEVELON
Powered by Innovation

HD Hyundai Infracore Europe s.r.o.
IBC – Pobrezni 620/3,
18600 Praha 8 – Karlin, Czechia

©2025 HD Hyundai Infracore. All rights reserved.

Certain specifications are based on engineering calculations and are not actual measurements. Specifications are provided for comparison purposes only and are subject to change without notice. Specifications 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 equipment other than standard equipment.