

DEVELON

Crawler Excavator

DX360LC-9



Engine

Make	DEVELON
Model	DX08
Number of cylinders	6
Rated power, gross (hp per SAE J1995)	304.4 hp (227.0 kW) @ 1800 rpm
Rated power, net (hp per SAE J1349)	300.4 hp (224.0 kW) @ 1800 rpm
Max. torque, gross (SAE J1995)	1230.0 Nm @ 1300 rpm
Displacement	7.5 L
Bore and stroke	110 mm x 132 mm
Starter	24 V, 8.0 hp (6.0 kW)
Battery	2 x 12 V, 150 AH
Alternator	24 V, 90 A
Air cleaner	Three-stage

Hydraulics

Main pumps	2 x 360.0 L/min.
Pilot pump (gear design)	24.6 L/min.

Working Pressure

Boom/arm/bucket (normal mode)	350.0 kg/cm ²
Boom/arm/bucket (power boost)	370.0 kg/cm ²
Travel	350.0 kg/cm ²
Swing	300.0 kg/cm ²
Pilot	41.0 kg/cm ²

Undercarriage

Upper rollers (each track)	2
Lower rollers (each track)	9
Number of shoes (links per side)	48

Swing Mechanism

Max. swing speed	9.9 rpm
Max. swing torque	14786.0 kgf.m

Drive System

Travel speed (low – high)	3.7 – 6.0 km/h
Traction force, max. (drawbar pull)	37016.0 kg
Max. grade (limited by engine lub)	70% (35°)

Environment

Sound level (2000/14/EC)	106 dB(A)
Cabin sound level (ISO 6396)	69 dB(A)

Refill Capacities

Fuel tank	592.0 L
DEF tank	72.0 L
Cooling system (radiator capacity)	46.8 L
Engine oil (with filter)	35.0 L
Swing drive	15.0 L
Final drive (each side)	7.8 L
Hydraulic system	475.0 L
Hydraulic tank	43.0 L

All capacities are approximate values. Always refer to the machine's OM for exact refill levels. Check the dipstick, level eye, level plug, etc., to achieve the correct level.

Hydraulic Cylinders

Boom ¹ (2) bore x rod diameter x stroke	150 mm x 100 mm x 1450 mm
Arm ^{1,2} (1) bore x rod diameter x stroke	170 mm x 120 mm x 1805 mm
Bucket (STD) ¹ (1) bore x rod diameter x stroke	150 mm x 100 mm x 1300 mm

¹ Cushion on rod end

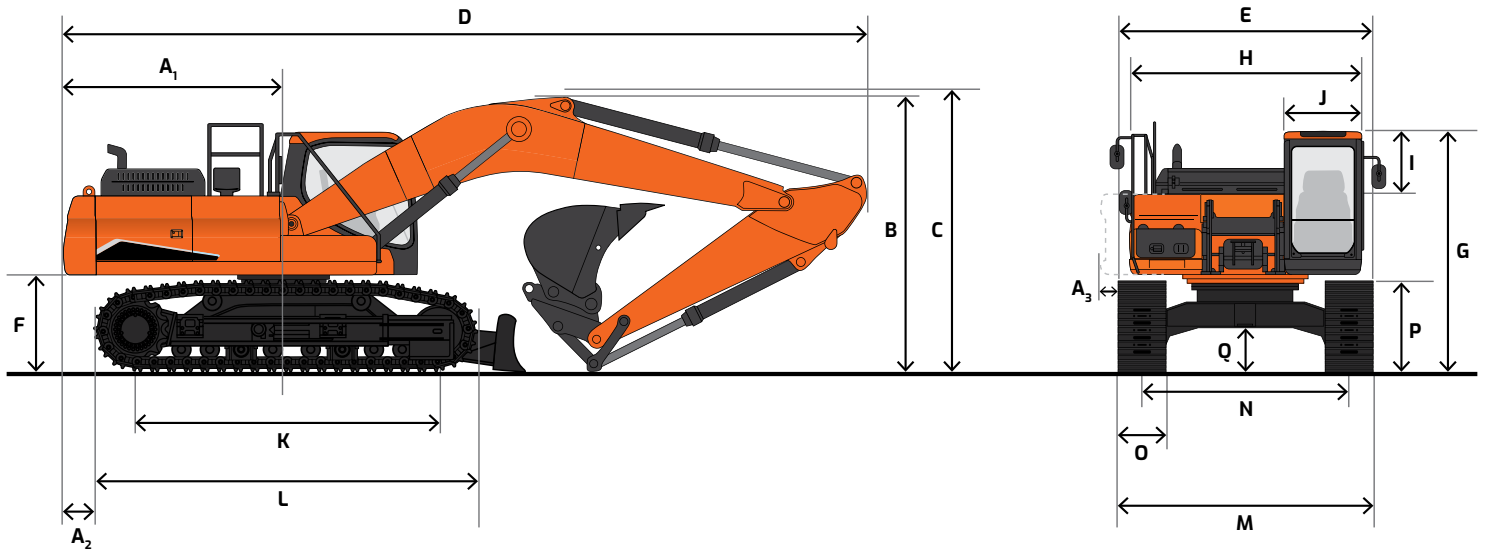
² Cushion on base end

The piston rods and cylinder bodies are made of high-strength steel. A shock-absorbing mechanism is fitted in all cylinders to ensure shock-free operation and extended piston life.

Dimensions

		Boom & Standard Arm 600 mm TG Shoe	Standard Boom & Long Arm 600 m TG Shoe
Boom length		6500 mm	
Arm length		3200 mm	3950 mm
Bucket size (SAE)		2.03 m ³	1.81 m ³
Tail swing radius	A	3530 mm	
Shipping height (boom)	B	3316 mm	3444 mm
Shipping height (hose)	C	3460 mm	3615 mm
Shipping length	D	11312 mm	11342 mm
Shipping width	E	3280 mm	3280 mm
Counterweight clearance*	F	1166 mm	
Cabin height	G	3206 mm	
Upper structure width	H	2990 mm	
Cabin height above house	I	1607 mm	
Cabin width	J	1015 mm	
Tumbler distance	K	4040 mm	
Overall track length	L	4958 mm	
Undercarriage width	M	3280 mm	3280 mm
Track shoe width	N	600 mm	600 mm
Track height*	O	973 mm	
Car body clearance*	P	472 mm	

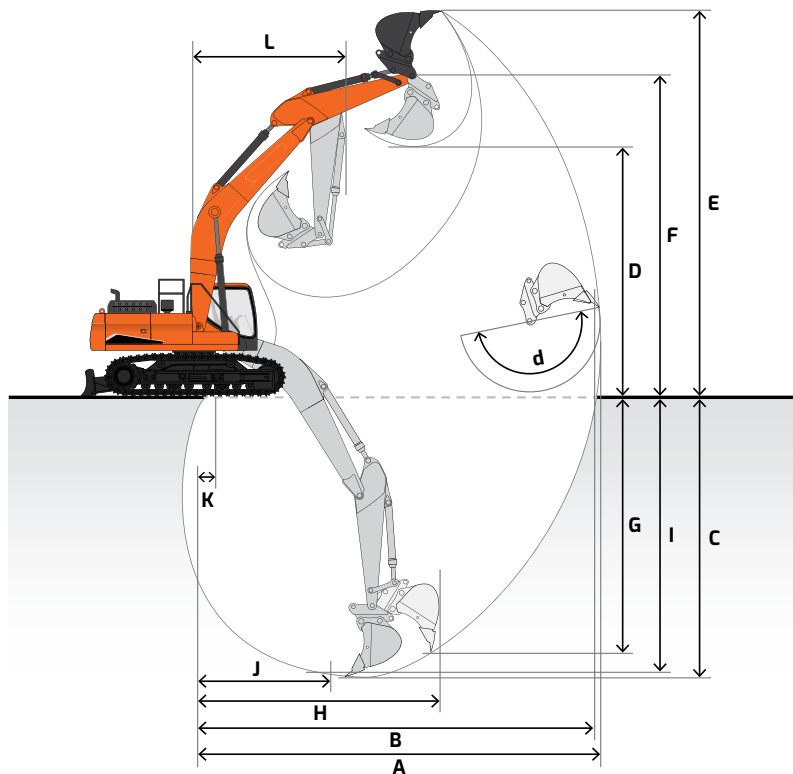
*Without shoe grouser



Working Range

		Boom & Standard Arm 600 mm TG Shoe	Standard Boom & Long Arm 600 mm TG Shoe
Boom length		6500 mm	
Arm length		3200 mm	3950 mm
Bucket size (SAE)		2.03 m ³	1.81 m ³
Counterweight		7300 kg	
Track type		Fixed	
Max. digging reach	A	11110 mm	11870 mm
Max. digging reach (ground)	B	10920 mm	11690 mm
Max. digging depth	C	7510 mm	8270 mm
Max. loading height	D	7200 mm	7660 mm
Max. digging height	E	10170 mm	10670 mm
Max. bucket pin height	F	8840 mm	9300 mm
Max. vertical wall depth	G	5820 mm	6760 mm
Max. radius vertical	H	7860 mm	7950 mm
Max. depth to 8' line	I	7330 mm	8130 mm
Min. radius to 8' line	J	3350 mm	3430 mm
Min. digging reach	K	870 mm	280 mm
Min. swing radius	L	4450 mm	4510 mm
Bucket angle (DEG)	d	178	178
Digging force, bucket*	ISO	26411 kgf	
Digging force, arm*		18661 kgf	16112 kgf
Operating weight		37200 kg	37200 kg
Ground pressure		0.71 kg/cm ²	0.71 kg/cm ²

*With power boost ON



Lifting Capacity

Rating over front Rating over side or 360°

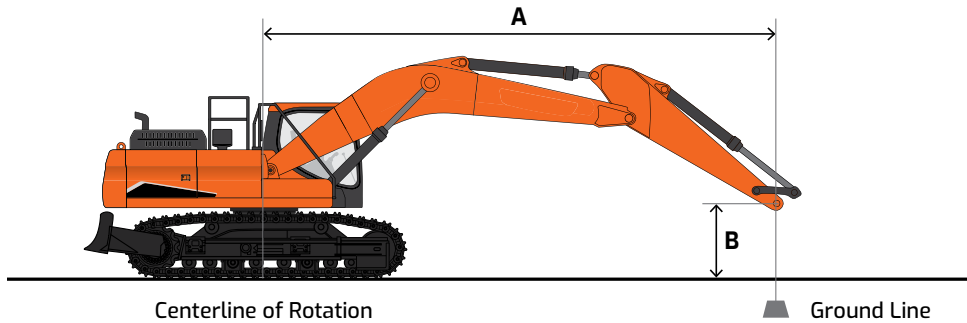
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Boom: 6500 mm | Arm: 3200 mm | Counterweight: 7300 kg | 800 mm TG Shoes | No Dozer | Bucket: None | Unit: kg

A (ft. or m) B (ft. or m)	1.5 m		3.0 m		4.5 m		16.0 m		7.5 m		9.0 m		Max. Reach		
7.5 m									7990	7990			7790	7780	7.73 m
6.0 m									8110	8110			7590)	6430	8.60 m
4.5 m					12510	12510	10000	10000	8730	7870	8100	5860)	7660	570	9.15 m
3.0 m					15890	15890	11610	10470	9560	7560	8430	5730	7970	5320	9.42 m
1.5 m					18280	14940	13000	9940	10340	7260	8400	5580	7810	5190	9.45 m
Ground Level					19040	14530	13800	9600	10800	7050	8290	5470	8000)	5290	9.23 m
-1.5 m			13530	13530	18610	14460	13860	9460	10700	6960			8610)	567	8.75 m
-3.0 m	16320	16320	22040	22040	17210	14600	13070	9510	10090	7010			9220)	6500	7.95 m
-4.5			19320	19320	14520	14520	10970	9760					9270	8360	6.74 m

A Distance from center of rotation
B Height

NOTE: Lifting capacities are in compliance with SAE 1097 and ISO 10567. Machine in lifting mode with power boost turned on. Load point is the end of the arm. Rated loads shown do not exceed 75% of minimum tipping loads or 87% of hydraulic capacities. Rated loads marked with an asterisk (*) are limited by hydraulic capacities. The least stable position is over the side. The total mass of machine includes the mass of the boom arm counterweight all operating fluids and 165 lb. (75 kg) operator.

















Lifting Capacity

 Rating over front  Rating over side or 360°

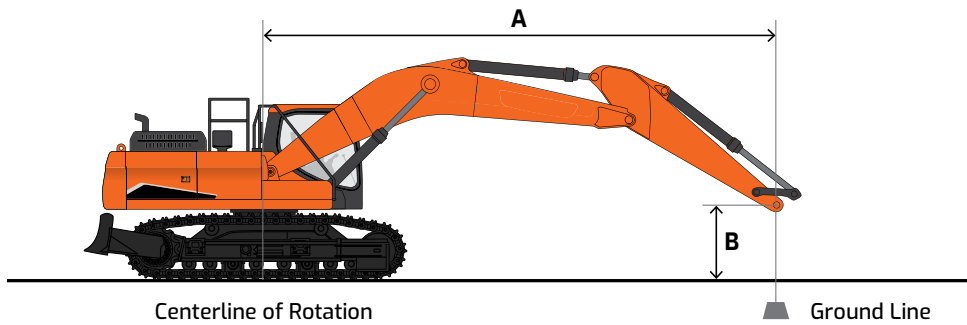
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Boom: 6500 mm | Arm: 3950 mm | Counterweight: 7300 k | 850 mm TG Shoes | No Dozer | Bucket: None | Unit: kg

A (ft. or m) B (ft. or m)	1.5 m		3.0		4.5 m		6.0 m		7.5 m		9.0 m		Max. Reach		
															A
9.0 m													6130	6130	7.47 m
7.5 m													5700	5700	8.64 m
6.0 m									7270	7270	7160	6130	5530	5530	9.43 m
4.5 m									7980	7980	7440	6010	5550	5070	9.93 m
3.0 m					14120	14120	10640	10640	8910	7720	7910	5830	5720	4760	10.18 m
1.5 m					17100	15400	12270	10160	9830	7380	8410	5640	6060	4650	10.21 m
Ground Level			7580	7580	18660	14720	13400	9720	10530	7110	8330	5490	6620	4710	10.01 m
-1.5 m	7970	7970	12230	12230	18900	14470	13840	9490	10720	6950	8240	5410	7520	4990	9.57 m
-3.0	13080	1308	18200	18200	18090	14490	13510	9440	10540	6920			8390	5570	8.85 m
-4.5 m	19170	19170	22490	22490	16120	14730	12170	9580	9150	7070			8560	6760	7.77 m
-6.0 m			16710	16710	12310	12310	8780	8780					8370	8370	6.16 m

A Distance from center of rotation
B Height

NOTE: Lifting capacities are in compliance with SAE 1097 and ISO 10567. Machine in lifting mode with power boost turned on. Load point is the end of the arm. Rated loads shown do not exceed 75% of minimum tipping loads or 87% of hydraulic capacities. Rated loads marked with an asterisk (*) are limited by hydraulic capacities. The least stable position is over the side. The total mass of machine includes the mass of the boom arm counterweight all operating fluids and 165 lb. (75 kg) operator.



Standard & Optional Equipment

■ Standard ● Optional

Engine

(EU) Stage V	■
High-pressure common-rail (HPCR)	■
Turbo, waste gate (WGT)	■
Cooled exhaust gas recirculation (CEGR)	■
Diesel oxidation catalyst (DOC)	■
Selective catalytic reduction (SCR)	■
Diesel exhaust fluid (DEF)	■
Fuel filter with water separator	■
Coolant expansion tank	■
Dual element dry-type air filter with evacuator	■
Pre-cleaner	■
Electronic engine control (ECU)	■
Auto idle	■
Auto shutdown (time-adjustable)	■
Overheat & low oil pressure engine protection	■
Water separator with heater	■

Hydraulic

Electronic Power Optimizing System (EPOS)	■
Variable axial piston main pump (tandem)	■
Cross-sensing pump control	■
Full-electric hydraulics	■
Gear pilot pump	■
Smart Power Control (SPC)	■
Variable-speed hydraulic cooling fan	■
Axial piston swing motor	■
Spring-applied hydraulic release brake	■
Axial piston travel motor (high/low, auto)	■
Auxiliary hydraulics, one- & two-way piping	■
Auxiliary hydraulics, tilt/rotate piping	■
Adjustable auxiliary flow & pressure, 10 presets	■
Intelligent floating boom	■
Boom & arm lock valves	●
Straight travel	■

Controls

Electronic joystick controls	■
Proportional control on joystick switches for auxiliary hydraulic lines	■
Customizable joystick buttons - Right (two on front, two on back) - Left (two on front, two on back)	■
Foot pedal attachment control	■
Control stands - Height adjustable - Sliding (fore/aft) - Tilting armrests	■
Engine speed control dial	■
Travel pedals with hand levers	■
Straight travel pedal	■
Stick steer (joystick steering functionality)	■
Multifunction keypad - Intelligent floating boom - Swing lock	■
Keypad - Lower wiper & washer - Upper wiper, Panto wiper & washer - Light	■
Emergency stop switch	■
Power modes (P+, P, S, E)	■
Work modes (digging, lifting, breaker, shear)	■
Jog dial display control	■
Hydraulic flow & pressure rate controlled from cab	■

Cabin

Steel, all-weather & sound-suppressed	■
ROPS (ISO 12117-2:2008)	■
Viscous mount with spring reinforcement	■
Front window with wiper/washer	■
Tinted safety glass	■
Skylight top hatch with sun screen	■
Front window with sun screen	■
Pull-up type top front window	■
Removable lower front window with storage behind seat	■
Wiper, lower window	■
Adjustable sliding side door window	■
Defrost, front window	■
Lockable doors	■
Seat - Heated - Air-suspension - 2" 2 point seat belt	■
Leatherette seat - Heating & cooling - Air-suspension - 2" 3 point seat belt	●
Control stands - Height adjustable - Mounted to seat base	■
Storage for operator's manuals	■
Mirrors	■
Fully automatic HVAC with radian energy photo sensor	■
New 12" Android touchscreen full HD monitor	■
Additional 12" monitor	■
Digital Bluetooth® & MP3 radio with cell phone integration	■
Wireless phone charger	■
Speakers (2)	■
Emergency breakout tool	■
Hot/cold beverage compartment	■
Power socket, 12 V & 24 V	■
USB port	■
Cup holder	■
Interior light	■
Ambient light	■
Rain shield	●
FOG guard	●
Front window guard	●

System voltage – 24 V	■
Alternator – 24 V, 90 A	■
2 x 12 V batteries, 150 AH reserve capacity, 950 CCA	■
Blade-type fuse panel	■
Main circuit breaker	■
Light, work (LED): machine (2), boom (2)	■
Light, work (LED): 6 cab top, front (4), rear (2)	■
Four-corner beacon light	■
Hour meter	■
Engine restart prevention system	■
Side view & rearview camera with LED lamps	■
Smart AVM	●
HDS (Human Detection System) with around-view camera & radar	●
Emergency Stop (E-Stop)	●
Laptop service port	■
Self-diagnostics system	■
Smart Key with Digital Key app	●
MY DEVELON (telematics)	■
2D Smart Guidance System with laser receiver	●
Virtual walls, weighing system, lift assist	●
Advanced lift assist	●

Display Monitor & Warnings

Indicators - Power modes - Work modes - User/Service menu	■
Gauges - Fuel level - DEF level - Engine coolant temperature - Hydraulic oil temperature - Engine rpm - Battery voltage	■
Smart Guidance 2D screen - Set assist mode - Set grade precision - Set grade mode - Virtual wall limits - Laser indicator - Vertical distance from target position - Pitch & roll angle indicators - Bucket angle indicator - Bucket tooth depth indicator zones - Slope indicator - Active bucket name - Horizontal distance between bucket tooth & reference point	●
Warning & indicator lights - Seat belt - Error code - SCR warning - Check engine - Engine oil pressure - Engine pre-heat engaged - Radiator coolant level & temperature - Air filter - Fuel level - DEF level – low - Water in fuel - Battery charge - Work lights on - Hydraulic oil temperature - Hydraulic charge pressure - Hydraulic pilot filter - Hydraulic return filter	■
Swing alarm	■
Travel alarm	■
Buzzer - Engine oil pressure - Coolant temperature	■

Undercarriage

Track guards & chains with adjusters	■
Track rollers, upper	2
Track rollers, lower	9
In-shoe motor protection	■
Shoes, triple grouser – 600 mm	■
Shoes, triple grouser – 700/800/900 mm	●

Frame

Catwalk	●
Side protector	●

Other

Centralized lubrication - Boom - Swing	■
Handrails & service platforms	■
Skid-resistant steps & service platforms	■
Manuals - Operation & Maintenance - AEM Safety Manual	■
MY DEVELON 3-year subscription (telematics)	■
Vandalism protection - Lockable panels - Lockable fluid fill points - Anti-theft protection (password) - Window cover mount	■
Basic PHM (Prognostics & Health Management)	■
Premium PHM	●
Auto greasing unit	●

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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