

Mini Excavator

DX27Z-7

Maximum power	25 hp
Operating weight	2 730 kg
Bucket capacity	0.08 m ³



DEVELON

DEVELON

Continuous Evolution for the Better.

We trace our roots back to 1937 as one of Korea's first large-scale machine plants. Since then, we have consistently delivered earthmoving equipment to build critical infrastructure for the betterment of communities, societies, and the wider world.

**We are
Develon.**

Develon is a bold name that reflects our core ambition to continue developing onwards and to make a positive mark on our world. Moving forward, we will continue providing innovative products and solutions that advance the world we live in today.



Get Power, Efficiency, and Versatility in One Compact Excavator

Experience the perfect balance of power, efficiency, and comfort with the Develon DX27Z-7 Excavator.

Packed with innovative features and the latest technology, this machine is designed to boost productivity and stability on your job site. Its compact size and easy transport make it ideal for tight spaces and quick jobs on the move. Plus, with excellent fuel efficiency, it delivers top-tier performance while being mindful of the environment. Take your business to the next level with the DX27Z-7 and enjoy unmatched reliability, power, and versatility every day.

Powerful Performance

- Kubota V1505 Stage V 4-cylinder engine for strong torque and reliable power
- Low noise and vibration for smoother operation
- Zero tail swing design for confident operation in tight spaces

Safety That Never Compromises

- Overload warning system and ROPS for operator protection in case of tipping or overloading
- Rearview and around-view cameras for enhanced visibility and site awareness
- Travel speed auto shift for smooth transitions and safer machine handling
- Optional counterweights for better stability during lifting and movement

Reliability That Stands the Test

- Cylinder guards for the protection of critical components
- Strengthened boom for long-lasting durability
- Robust design made for demanding tasks
- Easy transport with updated tie-down points

Comfort on the Job

- Large glass door for easy access and improved visibility
- Heated, adjustable suspension seat for maximum comfort

Maintenance Made Simple

- Real-time diagnostics for proactive alerts
- Battery cut-off switch to conserve battery life
- My Develon

The DX27Z-7 is built to deliver exceptional performance in a compact package. With powerful digging, pulling, and traction forces, it effortlessly tackles any job site, offering the perfect balance of strength and agility to maximize your productivity.

Improved Performance with the Kubota Engine

The 4-cylinder Kubota V1505 engine delivers exceptional performance with enhanced cooling, reduced noise levels, and lower vibrations. With 1 498 cm³ displacement and 92.1 Nm of torque, it provides the power needed for strong digging, lifting, and travel performance—even in tough ground conditions.

Designed for Tight Spaces

Maximize efficiency in confined areas with the DX27Z-7's zero tail swing and ultra-compact design. The innovative boom swing function allows for smooth operation in the tightest spaces, with no rear overhang, ensuring safer operation and reducing the risk of damage to surrounding structures.

Hydraulic Performance at Its Best

Experience the hydraulic power of the DX27Z-7. With generous flow capacity, precise controls, and proportional flow rate, every move feels effortless. Add the optional quick coupler for fast attachment changes and keep productivity moving.

Move Towards Efficiency

The DX27Z-7 is engineered to tackle demanding tasks while keeping operating costs low. With two travel speeds and automatic autoshift, it smoothly adapts to various terrains.



Compact Power, Unmatched Performance



Built-In Protection for Every Task

Your safety is our highest priority, and this machine comes equipped with state-of-the-art safety features designed to help you work with confidence and peace of mind. From the auto safety lock and overload warning system to the Roll Over Protective Structure (ROPS), every detail is thoughtfully engineered to keep you protected on the job.

Built for Balance

The heavy-duty cast counterweight ensures exceptional stability, allowing you to handle challenging tasks without hesitation. With options for a one-piece counterweight weighing either 205 kg or 245 kg, the machine maintains optimal balance, giving you the freedom to focus fully on the job at hand.

Advanced Safety Features

Equipped with advanced safety features, this machine is designed to keep you protected on every job. The safety lever locks the system when not in use, preventing accidental operation, while the Roll Over Protective Structure (ROPS) and emergency engine stop switch add extra peace of mind. The overload warning system alerts you before lifting beyond safe limits, helping avoid accidents. And with automatic travel speed shifting, the machine adapts between low and high speeds on its own—so you can move safely across any terrain, no extra effort needed.

Enhanced Visibility, Total Control

Stay in command of your surroundings with improved visibility and control. The powerful LED light on the boom and cab/canopy, large glass doors for full visibility, and an all-around view camera all contribute to a safer working environment. For added security, the machine comes with a rotating beacon and reinforced cast steel pivot, ensuring safe operation no matter the conditions.



Made to Endure

The DX27Z-7 is built to take on tough jobs with strength and reliability. Its reinforced chassis and optimized boom shape ensure even load distribution and long-lasting performance. Redesigned tie-down points make transport faster, easier, and more secure, so you can move confidently from site to site. Every detail is crafted from premium materials and rigorously tested to deliver durability you can count on. And with extended maintenance intervals and expert support always within reach, the DX27Z-7 helps you maximize uptime and stay focused on the work ahead.

Load Sensing System

This system continuously adjusts the hydraulic fluid flow to match the load's demands. It helps improve fuel efficiency, reduce wear on hydraulic components, and prevent issues like overloading or leaks. The result? Lower operating costs and a more reliable machine.

Cylinder Guards

The cylinder guards are designed with a hose-through-workgroup setup, plus additional protective elements on the arm and boom. A newly added cylinder dozer blade cover adds extra protection, reducing wear and ensuring durability in tough conditions.

Strengthened Boom

A better boom position, smarter weight distribution, and tougher materials mean less wear and tear, and a machine you can count on for the long haul.

Arm Assembly

The arm assembly is reinforced with cast elements and extra support around key connection points. This design boosts strength and extends the life of the arm, ensuring it stands up to even the hardest jobs.

Tie-Down Points

Redesigned tie-down points make transporting the DX27Z-7 quicker, easier, and more secure, giving you the confidence to move from site to site.



A Workspace Designed Around You

The DX27Z-7 features one of the most spacious cabs on the market, with low noise and vibration levels and excellent all-round visibility. Designed for operator comfort and focus, it offers easy access, clear sightlines, and thoughtful touches like a relocated radio and improved lighting. The boom swing control is now right at your fingertips, and a new airflow system helps keep the cab cool, so you stay sharp and productive all day.

Crafted for Your Comfort

The DX27Z-7 is built with you in mind, creating the perfect workspace. The ISO-certified pressurized ROPS cab keeps you safe while also offering a spacious interior with a fully adjustable, comfortable seat. Once seated, you'll have easy access to storage compartments and a clear, all-around view of the worksite. Noise and vibration are minimized, and with the optional air conditioning, you'll stay cool and comfortable—helping you work efficiently and get the most out of your investment.

Other Cabin Features

- One of the most spacious cabs on the market, with low noise and vibration levels, and excellent all-round visibility
- Large glass door for easy access and better visibility
- Fully adjustable, heated mechanical suspension seat, with air conditioning and climate control as standard
- DAB (Digital Audio Broadcasting) radio system with hands-free and Bluetooth streaming.



Powerful, Reliable, and Easy to Maintain

The DX27Z-7 is engineered for effortless maintenance, offering ground-level access to key components, filters, and refilling points. Service areas, including the engine, pump package, valve bank, and cooling system, are conveniently accessible. Real-time diagnostics displayed on the 5.7" digital control panel help you monitor vital systems, boosting efficiency and minimizing downtime.

Easy Maintenance Access

A battery cut-off switch allows easy disconnection of the battery during long-term storage, while the battery jump point enables quick and safe connection for charging or jump-starting. The hour meter display is easily checked from ground level.

For extra accessibility and servicing convenience, all filters (engine oil filter, fuel pre-filter, fuel filter, and pilot filter) are accessible from ground level.

Rubber Tracks

The rubber tracks offer enhanced non-slip grip and are less harmful to sidewalks and road surfaces in urban environments.

Engine Room

The engine compartment is designed for easier servicing. Sturdy soundproofing inside the engine cover reduces noise, creating a more comfortable environment for the operator and those working nearby.

Oil Gauge

The hydraulic oil cover is conveniently located outside the cabin, providing easy access to the hydraulic tank. After flipping open the cover, you can quickly check the oil level using the gauge on the side of the tank. The hydraulic system is also designed to prevent pump cavitation.

Grease Piping

Integrated grease piping simplifies maintenance of the swing bearing and boom swing cylinder.

External Fuel Cap

The external, lockable fuel cap makes refueling easy and safe. A warning LED light flashes when the maximum fuel level has been reached, adding extra convenience.

My Develon > Management on the Jobsite
> Work Efficiency Management > Preventive
Management > Proactive Service



Monitor Your Equipment From Anywhere

To compete and succeed, your equipment must maximize jobsite productivity and profitability. Develon machines do both. To ensure a high return on investment, we include more premium features as standard on every model—features that other manufacturers often offer only as costly upgrades. By making them standard, Develon gives you a competitive edge, helping operators work more efficiently and enhancing safety during long days in the field.

> **Telematics Terminal**

A terminal device is installed and connected to a machine to capture machine data.

> **Telecommunication**

Develon offers dual-mode communication (mobile and satellite) for maximum coverage.

> **My Develon**

Stay informed with My Develon — the digital platform that consolidates all equipment information and digital services in one place for quick and easy access.

Operation Hours	Total operating hours and hours by mode
Fuel Efficiency*	Fuel levels and consumption
Reports & Location	Operation report and utilization, GPS, and geofencing
Warnings & Alerts	Detect machine warnings, antenna disconnections, and geo/time fence breaches
Filter & Oil Management	Preventive maintenance through scheduled part replacements

*Functions may not be applied to all models. Please contact your sales representative for more information on this feature.



Attachments

Selecting the right attachment for an excavator is crucial for maximum performance and efficiency.



Grading
buckets

Also known as a cleaning or maintenance bucket, the Develon grading bucket is built for smooth finishes and everyday versatility. Its wide, sleek design makes it ideal for grading, ditching, and clearing out debris for better drainage.



Digging
buckets

Develon digging buckets are all-purpose tools designed for bulk digging and excavating in most ground conditions.



Hydraulic
breakers

Essential for efficiently breaking through rock, hydraulic breakers facilitate faster and more precise excavation.



Quick
couplers

Develon quick couplers are known for their reliability, performance, and easy service, thanks to their simple yet effective design.

DEVELON

Technical Specifications

DX27Z-7



Engine

Designed to deliver superior performance and fuel efficiency, the Kubota V1505 diesel engine fully complies with the latest Stage V emission regulations. To optimize machine performance, it features high-pressure fuel injectors, natural aspiration, and electronic engine controls. It is a 4-cycle, water-cooled engine with EGR.

Manufacturer	Kubota
Model	KUBOTA V1505
Number of cylinders	4
Gross rated power	25 hp (18.5 kW) at 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

Undercarriage

Built with extremely robust construction using high-quality, durable materials, and welded structures designed to minimize stress.

- Track rollers lubricated for life
- Idlers and sprockets fitted with floating seals
- Track shoes made of induction-hardened alloy with triple grouser
- Heat-treated connecting pins
- Hydraulic track adjuster with shtock-absorbing tension mechanism

Rubber track width	300 mm
Number of rollers	3
Number of links & shoes per side	80
Link pitch	101.6 mm
Ground pressure	0.29 kgf/cm ²

Hydraulic System

The e-EPOS (Electronic Power Optimising System) is the brain of the excavator – minimising 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
- Cross-sensing pump system for fuel savings
- Auto-deceleration system
- 3 operating modes
- Flow and pressure control of auxiliary hydraulic circuits from control panel
- Computer-aided pump flow control

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

Drive

Each track is driven by an independent, high-torque axial piston motor through a planetary reduction gearbox. Two levers / foot pedals guarantee smooth travel with counter-rotation on demand. The track frame protects the travel motor, brake, and planetary gears. The multi-disc track brakes are spring-applied and hydraulic released.

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

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

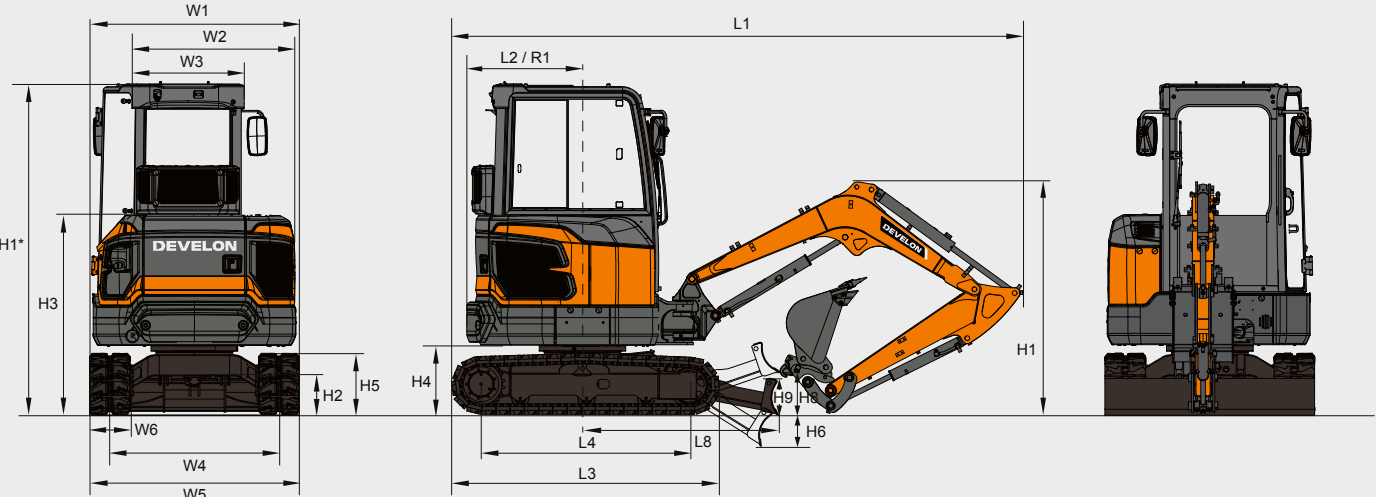
Performance

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

Environment

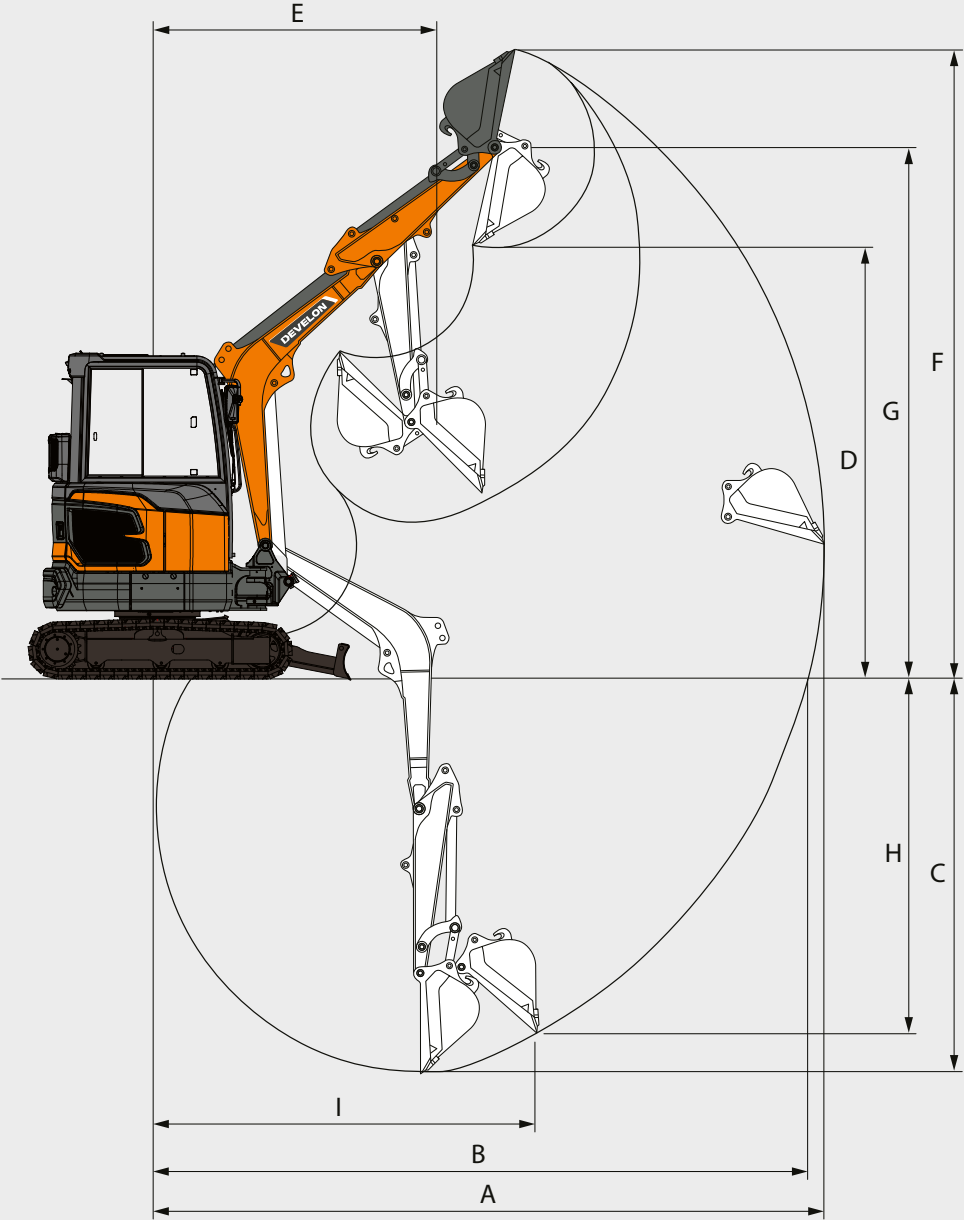
Sound level	94 dB(A)
Cabin sound level	76 dB(A)

Dimensions



Description			Unit	1.1 m arm	1.3 m arm
Operating weight			kg	2 730	2 830
Additional counterweight			kg	–	100
Bucket capacity (heaped) Standard			m³	0.06	0.08
Shoe			–	Rubber	
Overall length	L1		mm	4 186	4 191
Overall height	H1	Boom	mm	1 556	1 688
		Cab (canopy)	mm	2 442	
Overall width	W1		mm	1 550	
Rear swing radius	R1		mm	790	855
Ground clearance	H2		mm	217	
Rear end distance	L2		mm	790	855
House width	W2		mm	1 500	
Cabin width	H3		mm	1 062	
Height over cover	H4		mm	1 471	
Counterweight clearance	H4		mm	512	
Track height	H5		mm	451	
Track length	L3		mm	1 960	
Tumbler distance	L4		mm	1 540	
Track gauge	W4		mm	1 250	
Undercarriage width	W5		mm	1 550	
Shoe width	W6		mm	300	
Blade digging depth	H6		mm	335	
Blade lift clearance	H8		mm	383	
Blade height	H9		mm	289	
Distance to blade end	L8		mm	1 450	









Working Range











Description		Unit	1.1 m arm	1.3 m arm
Bucket type		m³	0.08	
Max. digging reach	A	mm	4 655	4 845
Max. digging reach (ground)	B	mm	4 520	4 720
Max. digging depth	C	mm	2 645	2 845
Max. dumping height	D	mm	2 935	3 065
Min. swing radius	E	mm	2 045	2 095
Max. digging height	F	mm	4 385	4 515
Max. bucket pin height	G	mm	3 665	3 795
Max. vertical wall depth	H	mm	1 565	1 690
Max. radius vertical	I	mm	3 670	3 815
Boom swing radius (left/right)		°	66.5 / 53.5	









Lifting Capacities









Boom 2.09 m · Arm 1.3 m · Counterweight 205 kg · Shoe (Rubber) 300 mm · W/O bucket

Blade upUnit: 1 000 Kg									
A	1 m		2 m		3 m		4 m		Max, Reach (m)
B									A
3 m					0.5*			0.5	0.4 3.45
2 m					0.57*	0.5		0.39	0.32 3.96
1 m					0.58	0.47	0.38	0.3	0.36 0.29 4.11
0 m			1.05	0.8	0.56	0.45			0.38 0.3 3.96
-1 m	1.55*		1.06	0.81	0.56	0.44			0.46 0.37 3.43
-2 m			0.71*						0.58* 2.18









Blade downUnit: 1 000 Kg									
A	1 m		2 m		3 m		4 m		Max, Reach (m)
B									A
3 m					0.5*			0.55*	0.51 3.45
2 m					0.57*			0.56*	0.41 3.96
1 m					0.77*	0.6	0.59*	0.39	0.58* 0.37 4.11
0 m			1.59*	1.08	0.91*	0.58			0.62* 0.39 3.96
-1 m	1.55*		1.52*		0.84	0.57			0.65* 0.48 3.43
-2 m			0.71*						0.58* 2.18









Boom 2.09 m · Arm 1.3 m · Counterweight 245 kg · Shoe (Rubber) 300 mm · W/O bucket

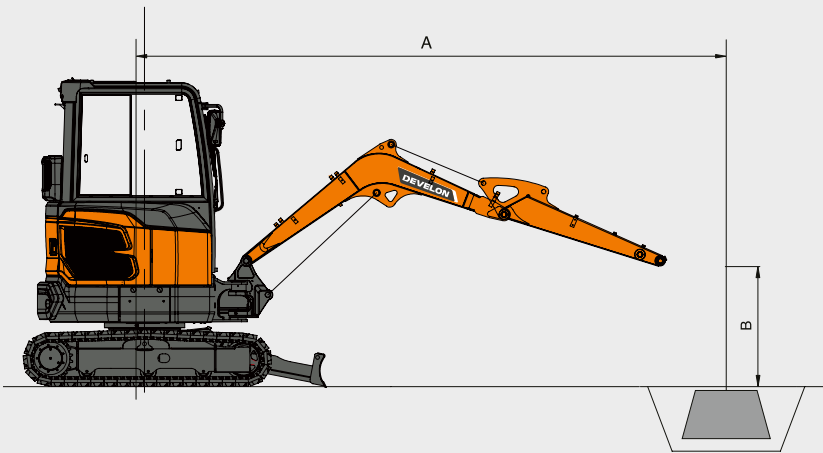
Blade upUnit: 1 000 Kg									
A	1 m		2 m		3 m		4 m		Max, Reach (m)
B									A
3 m					0.5*			0.52	0.43 3.45
2 m					0.57*	0.53		0.41	0.34 3.96
1 m					0.61	0.5	0.4	0.32	0.38 0.31 4.11
0 m			1.11	0.85	0.59	0.47		0.4	0.32 3.96
-1 m	1.55*	1.55*	1.11	0.85	0.59	0.47		0.49	0.39 3.43
-2 m			0.71*					0.58*	2.18



Blade downUnit: 1 000 Kg									
A	1 m		2 m		3 m		4 m		Max, Reach (m)
B									A
3 m					0.5*			0.55*	0.54 3.45
2 m					0.57*			0.56*	0.43 3.96
1 m					0.77*	0.63	0.59*	0.41	0.58* 0.39 4.11
0 m			1.59*	1.13	0.91*	0.61		0.62*	0.41 3.96
-1 m	1.55*	1.55*	1.52*	1.14	0.84*	0.6		0.65*	0.5 3.43
-2 m			0.71*	0.71*				0.58*	0.58* 2.18

Boom 2.03 m · Arm 1.1 m · Counterweight 145 kg · Shoe (Rubber) 300 mm · W/O bucket

Blade upUnit: 1 000 Kg									
A	1 m		2 m		3 m		Max, Reach (m)		
B									A
3 m					0.57*	0.48	0.53	0.43	3.2
2 m					0.58	0.47	0.4	0.32	3.76
1 m					0.55	0.44	0.37	0.29	3.92
0 m			1	0.76	0.53	0.42	0.38	0.31	3.76
-1 m	1.82*	1.82*	1.01	0.77	0.53	0.42	0.49	0.39	3.19

Blade downUnit: 1 000 Kg									
A	1 m		2 m		3 m		Max, Reach (m)		
B									A
3 m					0.57*		0.6*	0.55	3.2
2 m					0.63*	0.6	0.6*	0.42	3.76
1 m					0.81*	0.57	0.62*	0.38	3.92
0 m			1.59*	1.03	0.91*	0.55	0.65*	0.4	3.76
-1 m	1.82*	1.82*	1.41	1.04	0.79*	0.55	0.68*	0.51	3.19



-  = Rating over front
 = Rating over side or 360°
1. Load point is the end of the arm.
 2. Capacities marked with an asterisk (*) are limited by hydraulic capacities.
 3. Lift capacities shown do not exceed 75 % of minimum tipping loads or 87 % of hydraulic capacities.
 4. The least stable position is over the side.
 5. Lift capacities apply only to the machine as originally manufactured and normally equipped by the manufacturer.
 6. Lift capacities are in compliance with ISO 10567.

Standard & Optional Equipment

Standard

Kubota V1505, Stage V-compliant, water-cooled diesel engine
Double-element air cleaner
2 variable piston pumps and 2 gear pumps
Hydrostatic 2-speed travel system with manual or automatic shift
Auto-idle function
Breaker piping with direct return to the tank
2-way high-flow auxiliary line with settings from the display panel
Engine speed (RPM) control dial
Hydraulic safety lock lever
Emergency engine stop switch
12 V, 70 Ah battery; 12 V, 60 A alternator
Self-diagnostic function
Remote greasing for swing circle and workgroup pivot points
Reinforced cast steel pivot points
Fixed undercarriage
300 mm rubber tracks
2 090 mm mono boom—1 100 mm arm
Dozer blade
Arm, boom, bucket, and blade cylinder guards
Roll-Over Protective Structure (ROPS)
Boom and arm cylinder safety valves
Overload warning device
Cylinder cushioning & contamination seals
Hydraulic safety lock lever
Hammer for emergency escape
Battery cut-off switch
Boom LED light + LED work lights (2 front, 1 rear)
Rearview camera
Lockable fuel cap
Master key
Emergency engine stop switch
Rotating beacon
4-pillar canopy with 5.7-inch digital gauge panel
Mechanical suspension seat
Pull-up type front window and removable lower front window
Sliding right window with lock

Ceiling light
Intermittent windshield wiper (cab only)
Multiple storage compartments
Flat, spacious, easy-to-clean floor
Cup holder
Electric horn
DAB radio with hands-free call system (cab only)
USB charger & 12 V power socket
Travel pedals and hand levers
Adjustable PPC for arm, boom, bucket, and swing with sliding proportional control for attachments and auxiliary hydraulic buttons
Serial communication port for laptop PC interface
My Develon (telematics system)

Optional

Rotation line (Pero)
Quick coupler line
Pressurized, sound-insulated heated cab
Air conditioning option for cab only
2 090 mm mono boom—1 300 mm arm
Additional counterweight 60 kg / 100 kg

*Some of these options may be standard in some markets. Some of these options may not be available for certain markets. Please check with your local Develon dealer for more information about availability or to adapt your machine to your application needs.



Develon Warranty

Your Key to Equipment Protection and Peace of Mind

Keep your heavy construction equipment protected with Develon. Our comprehensive warranties and premium protection plans give you peace of mind, ensuring your investment stays safe and valuable for the road ahead.

Tailored Warranty Plans

Choose from a range of affordable protection plans, designed exclusively for Develon customers through our authorized dealers. These plans transform your machine's price into a strategic investment, not just an expense.

Develon Premium Protection

Opt for Develon Premium to experience unmatched security, reliability, and overall value. This top-tier plan shields your equipment from unexpected costs and minimizes downtime, letting you focus on what matters – getting the job done.

Act Now!

Get in touch with a Develon authorized dealer today to protect your equipment investment. With an easy process and lasting benefits, Develon helps keep your heavy construction equipment in top condition.

**Choose Develon Extended Warranty:
Play it Safe and Secure Your Investment.**

*Offer may vary based on model.

Powered by **Innovation**

DEVELON

Space for dealer's stamp



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

©2025 HD Hyundai Infracore. All rights reserved.
D-4600898 (07/2025)

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.