

Mini Excavator

DX23E-7



Operating weight: 2 296 kg
Bucket capacity: 0.04 m³
Operating time: 8 h / 10 h
Battery capacity: 32 kWh / 40 kWh



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.



Work Smarter. Quieter. Longer.

Step into the DX23E-7 electric mini excavator and work longer with less fatigue. A class-leading, high-reliability battery delivers big-machine energy – and one of the fastest charge times – keeping you ready for urban or indoor jobs.

Power on Your Side

- Safe Li-Ion battery ensures stable output and responsive power delivery for long-lasting performance.
- Choose the 32 kWh battery capacity or a top-class capacity of 40 kWh paired with the best weight-to-power ratio on the market.

Smooth, Quiet, Modern

- All-day operation and exceptional efficiency secure uncompromised performance.
- Low noise, low vibrations and locally emission-free operation suits modern fleets.

Reliability for Everyday

- Low daily maintenance requirements maximize uptime.
- Compact, well-balanced design ensures agility and productivity in every task.
- Smart layout provides easy, safe access to internal components for easy maintenance.

Comfort for Every Shift

- Added rear wiper enhances visibility.
- Heated cabin provides comfort in every climate and season.
- Built-in audio system adds to operator comfort.

Service Made Simple

- Smart engine layout helps quick inspections and repairs.
- Extended service intervals save time and reduce costs.
- Wide-opening access panels allow for fast, easy maintenance.

Ready When You Are

- The battery supports up to 10 hours of active operation.
- Flexible charging options ensure next-day readiness.



Count on strong, reliable power for every workday task with the DX23E-7. Top-class battery capacity of 40/32 kWh supports up to 10/8 hours of active work, with quick or slow charging options for next-day operation. Auto-idle conserves energy during pauses, while zero emissions, near-silent operation, and reduced vibration create cleaner, quieter, fatigue-free work environments.

Performance Without Trade-Offs

Get strong, dependable performance that keeps pace with diesel machines and helps you tackle every task of your workday with confidence. Rely on stable output and responsive power delivery while using energy only when hydraulic functions or travel are active, keeping productivity high and efficiency optimized with no compromises in performance.

High-Capacity Power for Real Work

Top-class battery capacity in this segment delivers full engine power for every task. Charge quickly and get back to work the next day, keeping operations seamless. Save energy during pauses thanks to auto-idle and enjoy zero emissions for cleaner, quieter work sites—setting a new standard in efficiency and environmental performance.

Full-Day Power, Minimal Downtime

Work a full day without interruption—up to 10 hours with the 40 kWh battery or up to 8 hours with the 32 kWh battery. Minimize downtime with slow or quick charging sockets, and ensure next-day operation even when using slow charging. Stay productive from the first task to the last, with power and flexibility that keep operations seamless.

Compact Design, Maximum Control

Maximize agility with compact dimensions and optimized weight distribution with the battery replacing a traditional counterweight. Take advantage of the standard retractable undercarriage to access narrow spaces with full stability and control.



All-Day Power, Zero Compromise



Safety and Protection You Can Count On

The DX23E-7 mini excavators combine multiple safety features to protect operators, machines, and worksites. Enhanced visibility keeps work precise and safe. Safety lock valves on the boom and internal hydraulic hoses reduce risk of damage, while emergency cut-off and engine stop switches provide added protection during operation.

Battery That Works as Hard as You
Develon's DX23E-7 mini excavators are equipped with a safe Li-Ion battery that delivers consistent, reliable power for all your workday tasks. Quiet and locally emission-free, the battery supports up to 10 hours of active operation, with flexible charging options for next-day readiness. Designed for both productivity and environmental responsibility, it keeps operations seamless while reducing emissions and noise on site.

Improved Design to Enhance Safety
Improved design features enhance operator and machine safety, with lock valves on the boom preventing unintended movements, and hydraulic hoses routed inside the boom for better protection, reducing the risk of damage and boosting durability during work.

Security and Protection, Built In
The DX23E-7 mini excavator features integrated safety systems designed to protect both operators and the machine. Overload warnings alert when lifting limits are exceeded, while manually activated safety levers, emergency cut-off switches, and emergency engine stop functions add protection during operation. Travel alarms warn bystanders when the machine is moving, helping keep worksites safer and operations secure.

Certified Safety, Everyday Comfort
The DX23E-7 features an ROPS/FOPS cabin, designed to protect against rollovers and falling objects. Together with near-silent operation and reduced vibration, operators can enjoy a safe and comfortable working environment.

Smart Design for Long-Term Value

Built for the demands of modern job sites, the DX23E-7 mini excavators deliver durability, efficiency, and simplified maintenance in one smart electric package. The electric design cuts daily service requirements, reducing downtime and helping operators stay productive throughout the day. Reinforced components and protective features ensure reliable performance in tough conditions while lowering repair frequency. Thoughtfully designed access to internal systems makes maintenance quicker, safer, and more efficient – maximizing uptime and long-term value.

Less Daily Maintenance, More Time Working

DX23E-7 mini excavators require less daily maintenance thanks to the electric design – that means fewer periodic checks compared to diesel machines, keeping downtime low and productivity high.

Durability You Can Rely On

Enhanced durability keeps the machine performing reliably even in the toughest conditions. Features like thicker side plates help ensure the mini excavator stays strong over time, reducing the need for repairs.

Maintenance Without Hassle

Improved service port accessibility with a full-open RH cover ensures easy access to internal components, making maintenance faster, safer, and more efficient.

Fast and Flexible Charging

The DX23E-7 comes with two on-board chargers delivering up to 6 kW and conveniently placed charging sockets for easy access. Fast charging lets you reach 80% capacity in as little as 90 minutes, while slower, overnight charging provides hassle-free replenishment. Whatever your schedule, the DX23E-7 ensures the battery is ready when you are, keeping your workday uninterrupted and efficient.



Comfort That Drives Performance

With a quiet, smooth, and thoughtfully arranged workspace, the DX23E-7 cabin helps reduce fatigue and maintain concentration during long shifts. Every element is designed to support operator well-being and efficiency, creating an environment where work feels easier and productivity stays high, no matter the conditions.

Quiet Operation for Easier Workdays

Low operational noise keeps the cab quiet, while minimal vibrations reduce fatigue, letting operators stay comfortable and focused throughout long shifts. Less stress and distraction mean more precise work and better control.

Feel Comfortable While Working

Stay warm and comfortable with two independent heating units controlling the front and rear fans, while the thoughtfully designed ergonomic layout keeps all controls within easy reach. The cabin is built to reduce fatigue and make every workday easier and more efficient.

Operate with Clear Vision

Additional cabin lights ensure the work area is always well-lit, helping operators see clearly and work safely in all conditions.

Comfort and Convenience Built In

- Additional comfort features, including a cabin radio, come standard, creating a pleasant and convenient environment that keeps operators engaged and ready for every task.
- The adjustable suspension seat, 5" IP68-rated digital display, and retractable seatbelt with warning alarm keep you comfortable, informed, and safe throughout the day.
- Cup holders and a 12V power socket keep drinks and devices within easy reach, making the cab a practical, user-friendly workspace.



Engineered for Lasting Performance

Work smarter, not harder, with the DX23E-7 mini excavator. Full-day operation is powered by efficient electric drive and fast-charging capabilities, while low daily maintenance keeps downtime to a minimum. Its compact, well-balanced design makes it nimble in tight spaces, delivering peak productivity and effortless control across every task.

Spend Less Time on Maintenance

The DX23E-7 is built to cut down on routine service tasks. With its electric design, there are fewer routine checks required. You only need to focus on hydraulic systems at extended intervals – keeping maintenance simple and straightforward.

Everything Within Reach

Clearly marked service points and well-organized component layouts let you check fluids, filters, and other essentials in no time. The DX23E-7 is designed to make daily upkeep intuitive, keeping downtime low and operations seamless.

Quick Access, Hassle-Free Work

Convenient and full-open covers give you fast, hassle-free access to key components. Routine inspections and servicing become easier, so you spend less time in the workshop and more time on the job.

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 model

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

Versatile Develon 7 Series mini excavators can use a variety of attachments so you can do more than dig—expanding your capabilities on every job. Develon attachments are built to Develon machine specifications for superior reliability and performance.



Pin-on quick coupler

The quick coupler perfectly fits your Develon mini excavator as it is constructed based on your machine's kinematics. You're guaranteed a precise and secure connection, as the new quick coupler features perfectly fitted stoppers. This quick coupler has been modeled to endure extreme conditions and work optimally in any loading scenario.



Digging buckets with teeth

The digging buckets are equipped with thick and chamfered side cutters, and bottom wear straps covering 90% of the bottom of the bucket.



Grading bucket

The grading bucket is equipped with one or more web plates to increase the stiffness of the bucket.

Change Attachments in a Flash

Take advantage of optional quick coupler piping for faster, easier attachment changes—boosting efficiency and keeping work moving without interruptions.

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Technical specifications

DX23E-7



Electric Power System

Powered by a high-efficiency lithium-ion battery system, the DX23E-7 delivers the same powerful torque and hydraulic performance as its diesel counterpart while operating with minimal noise and vibration. A redesigned cab, smooth steering response, and reinforced hydraulic system provide precise movement and outstanding work efficiency in urban or regulated environments. Flexible charging solutions enable fast turnaround for high-duty operations or convenient overnight charging. With fewer maintenance requirements, this mini excavator offers superior productivity, comfort, and environmental performance for modern job sites.

Item	Unit	
Battery type		Lithium Ion
Battery voltage	V	73.8
Battery capacity	kWh	32 / 40
Indicative runtime – application dependent	hours	8/10
Standard charger connector		Type 2
Fast charger connector		Rema DIN 320
Auxiliary battery voltage	V	12

Hydraulic System

The e-EPOS (Electronic Power Optimising 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
- Cross-sensing pump system for energy savings
- Auto-deceleration system
- 3 operating modes
- Flow and pressure control of auxiliary hydraulic circuits from control panel

Item	Unit	
Pump type		Variable displacement tandem axis piston pumps
Max. pressure	kgf/cm ²	245
Auxiliary flow rate (2-way)	l/min	26.4
Hydraulic capacity (tank/system)	l	18

Electric Motor

Item	Unit	
Motor type		Synchronous reluctance
Motor power (peak)	kW	16
Motor power (continuous)	kW	13

Charger Type

Charger type	Voltage (V)	Connector	Charge time (hr)	
			32 kWh	40 kWh
Standard on-board charger	110	Type 2	9.6	12
	230	Type 2	4.8	6
Off-board fast charger	380–440	Rema DIN 320	2	2.5

Key Specifications

Bucket breakout force (ISO)	kN	16
Arm tearout force (ISO)	kN	9
Travel speed (low/high)	km/h	2.1 / 4.2
Traction force	kg	1382
Swing speed	rpm	9.4
Boom length	mm	1750
Arm length	mm	1230
Bucket capacity, std. SAE	m ³	0.04
Boom swing angle left/right	degree	56 / 59
Rubber track width	mm	230
Ground pressure (cpy/cab)	kgf/cm ²	0.36

Undercarriage

Extremely robust construction throughout – made of high-quality, durable materials, with all welded structures designed to limit stresses.

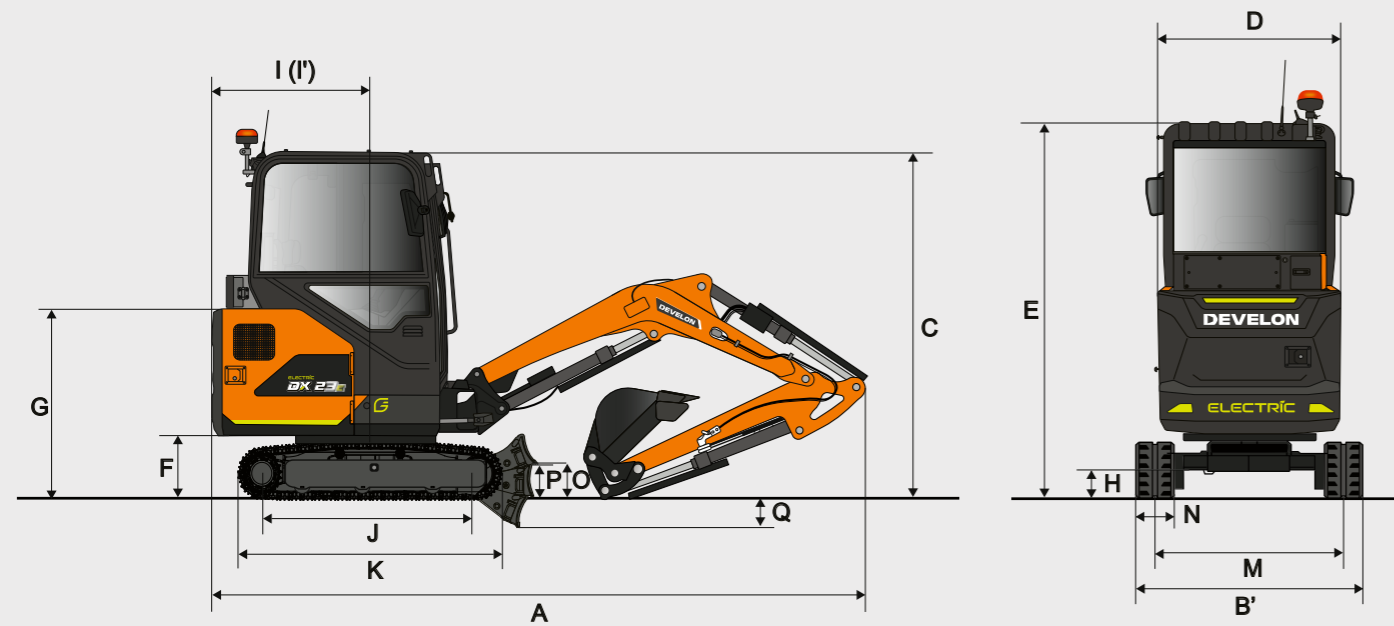
- Track rollers lubricated for life
- Idlers and sprockets fitted with floating seals
- Track shoes made of induction-hardened alloy with triple grouser
- Heat-treated connecting pins
- Hydraulic track adjuster with shock-absorbing tension mechanism

Cab

The heating system is carefully designed to keep the cab comfortable in any condition. Pressurized, filtered air flows evenly through multiple vents, providing fresh air throughout the space. The operator's seat is fully adjustable and equipped with a seat belt for added safety. Plus, the seat and joystick console can be adjusted independently, letting the operator tailor their workspace for optimal comfort and efficiency.

Exterior sound level (2000/14/EC – ISO 6395:2008) Lwa	dB(A)	80
Interior sound level (ISO 6396:2008) Lpa	dB(A)	68.4

Dimensions



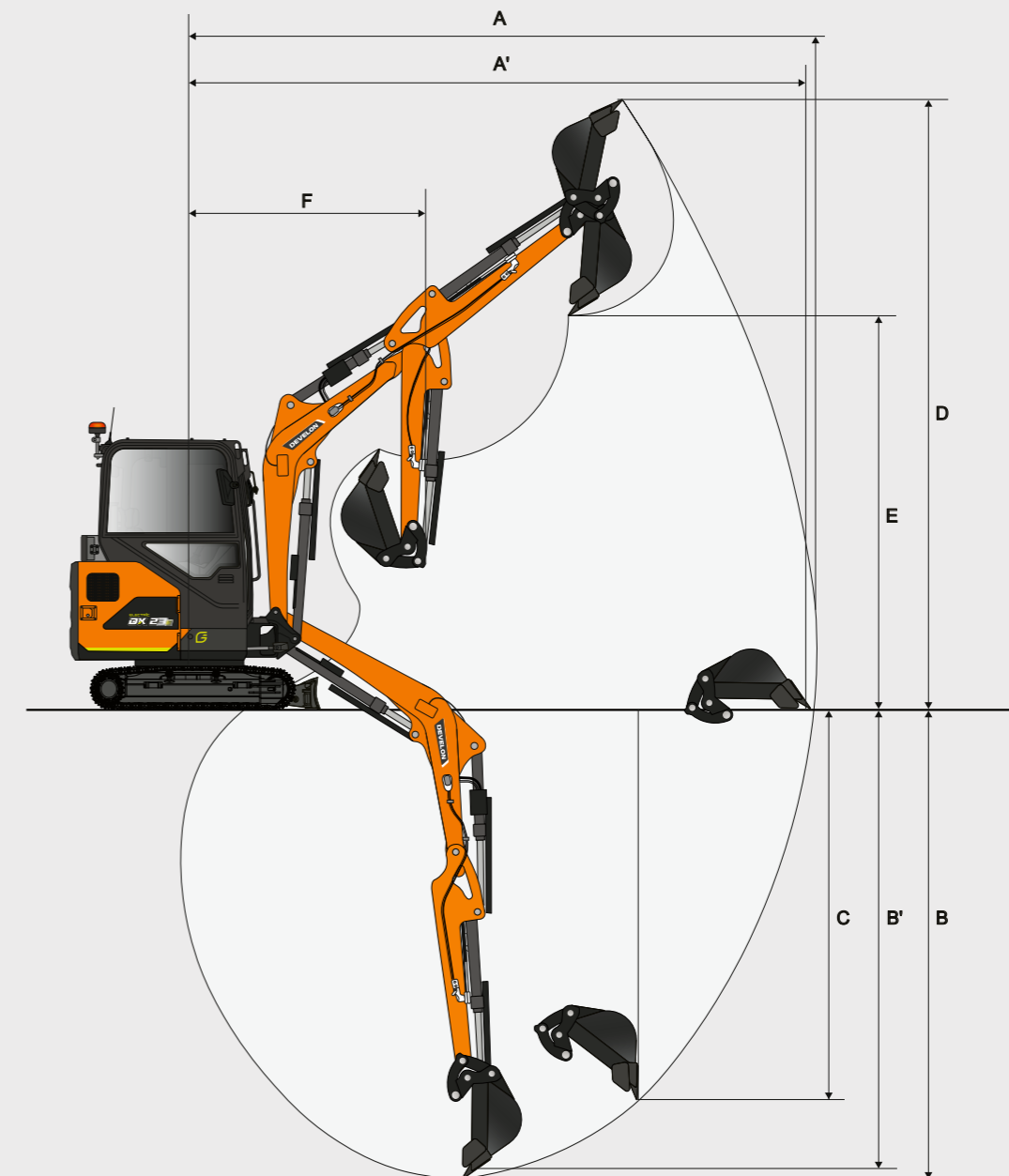
Classification

		Unit	
A	Overall length	mm	3 858
B	Overall width (extension crawler)	mm	994 (1 290)
B'	Overall width (dozer blade)	mm	994 (1 290)
C	Overall height	mm	2 270
D	Overall width of upperstructure	mm	980
E	Overall height of cab	mm	2 270
F	Ground clearance of counterweight	mm	416
G	Overall height of engine hood	mm	1 245
H	Minimum ground clearance	mm	150
I	Rear-end distance	mm	1 090
I'	Rear-end distance	mm	1 090
J	Distance between tumblers	mm	1 230
K	Undercarriage length	mm	1 553
M	Track gauge (extended)	mm	764 (1 060)
N	Track width	mm	230
O	Height of blade	mm	225
P	Ground clearance of blade up	mm	183

Working Range

Classification






		Unit	
Boom length		mm	1 750
Arm length		mm	1 230
A	Max. digging reach	mm	4 130
A'	Max. digging reach on ground	mm	4 040
B	Max. digging depth	mm	2 540
B'	Max. digging depth (B' level)	mm	2 000
C	Max. vertical wall digging depth	mm	2 020
D	Max. digging height	mm	3 585
E	Max. dumping height	mm	2 550
F	Min. swing radius	mm	1 725



Lifting Capacities

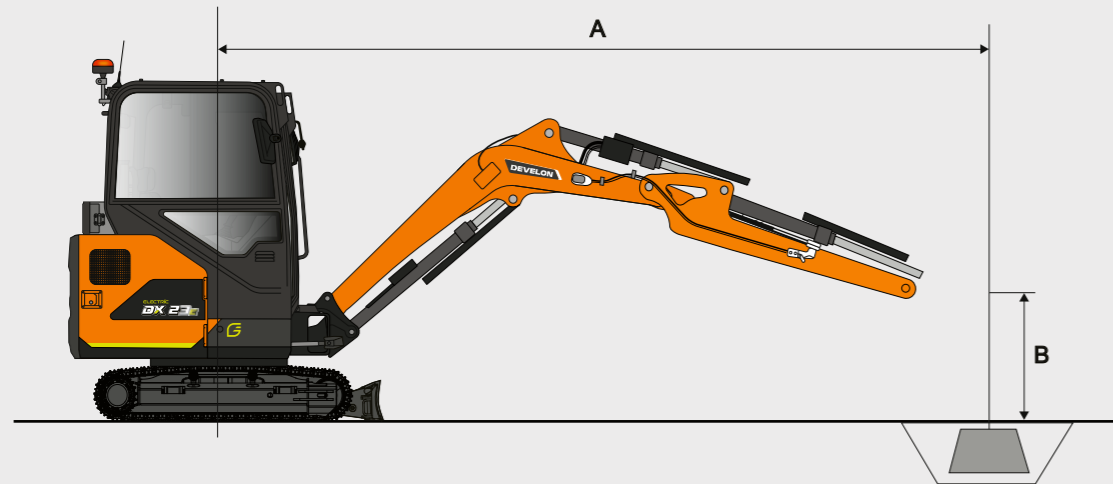
Cabin · W/O Bucket


Unit: Kg


A	2 m		2.5 m		3 m		Max. reach (m)		A
B									

Cabin · 1.75 m Boom · 1.23 m Arm equipped with 230 mm rubber track · Dozer down position

3.0 m			350	350			350	350	2.53
2.5 m					340	340	330	330	3.01
2.0 m					330	330	310	310	3.31
1.5 m			380	380	350	350	310	310	3.5
1.0 m	600	600	460	460	400	400	320	320	3.58
0.5 m	770	720	540	520	440	400	340	340	3.58
0.0 m	860	700	600	510	470	400	380	320	3.48
-0.5 m	860	960	610	500	460	390	390	350	3.29
-1.0 m	780	700	560	510			400	400	2.98
-1.5 m	600	600					410	410	2.47
-2.0 m							280	280	1.45



 = 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

Electrical System

32 kWh lithium-ion battery pack	■
40 kWh lithium-ion battery pack	●
On-board intelligent charger with type 2 connector	■
Rema DIN 320 fast charge connector	■
Open center hydraulic system	■
Two-speed travel with auto-shift	■
Pressure accumulator	■
Proportional aux. control	■
2 way aux. hydraulic line for grapple	■
Divert valve for 2 way hydraulic	■
Adjustable aux. flow on cluster	■
Biodegradable hydraulic oil	■

Cabin

ROPS (Roll-over protective structure)	■
TOPS (Tip-over protective structure)	■
Adjustable PVC suspension seat	■
Retractable seatbelt with warning alarm	■
Heater	■
Travel levers with foot pedals	■
Power-assisted front window	■
Travel alarm	■
LED beacon lamp	■
5" digital cluster with IP68 water & dust proof	■
Radio with USB	■
12V power socket	■
Side mirror	■
Cup holder	■

Working Equipment

Boom swing function	■
Quick coupler piping	●
Safety valves for boom/arm/dozer blade	■
Overload warning alarm	■
Travel & swing motor with disc brake	■
LED work light on boom	■
LED work lights on cabin	■

Telematics

My Develon	■
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Standard = ■

Optional = ●

**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 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 Extended Warranty

Opt for Develon Extended Warranty 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.**



Powered by Innovation

DEVELON

Space for dealer's stamp



HD Construction Equipment Develon Europe s.r.o.
IBC – Pobrezni 620/3,
18600 Praha 8 – Karlín, Czechia

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