

DEVELON

Construction Equipment

DX55WE



MINI EXCAVATOR WITH MAXIMUM PERFORMANCE

The DX55WE hydraulic excavator has all the advantages of the previous model, and now offers additional added value to the operator.



The new DX55WE was developed with the concept of "providing optimum value to the end user." In concrete terms, this translates, into :

Increased production and improved fuel economy are attributed to the electronic optimization of the hydraulic system and the new generation engine.

Improved ergonomics increases comfort and excellent all around visibility ensuring a safe and pleasant working environment.

Improved reliability is achieved through the use of high performance materials combined with new methods of structural stress analysis, which leads to increased component life expectancy, thus reducing operating costs.

* Photos may include optional equipment.



HIGHER GRADABILITY AND WORK CAPABILITY

Lifting power increased by 10 to 25% by applying DEVELON unique design. As the center of gravity is moved to rear part, the oscillation of equipment is prevented. The axle realizes more stable work on rough surface and uneven site thanks to wide angle of upper and lower adjustment.



UNDERCARRIAGE DESIGN

A rigid, welded frame provides excellent durability. Efficient routing of hydraulic lines, transmission protection, and heavy-duty axles make the undercarriage ideal for wheeled excavator applications. Both the outriggers and the dozer blade are pin-type for maximum flexibility. An optional work tool restraint bar is available.

OPERATOR COMFORT



"The Ideal Workspace - Designed Around You"

With one of the most spacious cabs in the market, the DX55WE is designed to provide you with the best possible working conditions.

The ergonomic controls and the easy-to-view monitor place the machine firmly in your hands.

GOOD VISIBILITY (VISUAL FIELD IN 360°)

The operator's cabin is significantly larger. Good visibility is ensured by improved access, achieved through the application of a left-side chassis.

Also, the cabin offers excellent all-around visibility.



MINIMIZED NOISE AND VIBRATION

Industry-leading engine saves on fuel and meets all noise regulations, providing exceptional operator comfort. The operator will be able to feel the difference in noise right away.



1. HIGH-OUTPUT AIR-CONDITIONER AND DEFROSTER

The air-conditioner capacity has been greatly improved and the vents have been installed at both the front and rear of the operator's seat to maximize air-conditioning efficiency. A defroster has been installed to prevent the front windshield from becoming frosted in the cold season resulting in safer operation.

2. SWITCH

The ergonomically placed switches maximizes convenience for the operator.

3. WIDE STORAGE SPACE

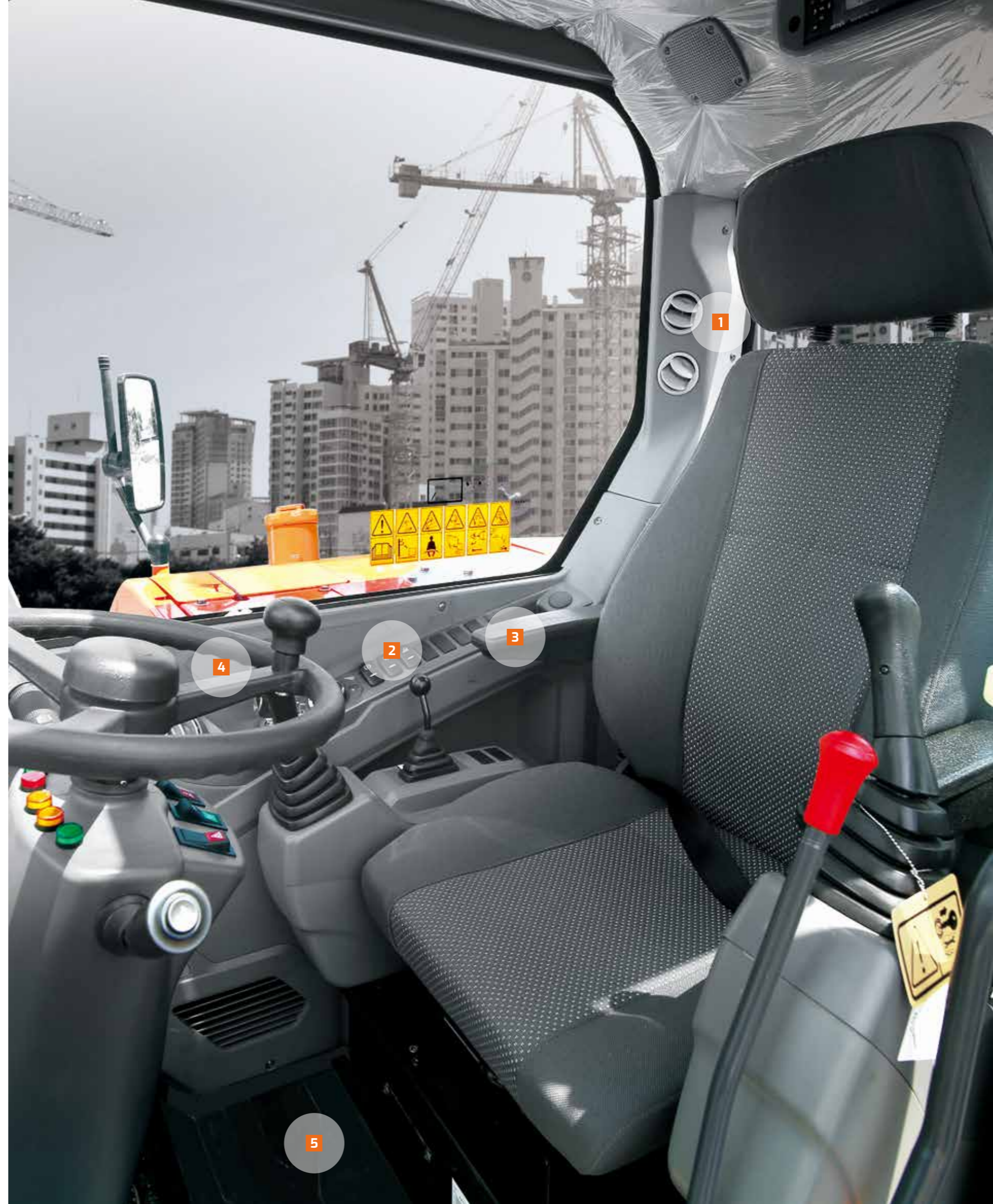
Safe storage and convenient use of electric devices and appliances such as mobile phones and razors using a small storage box.

4. FIXED-TYPE INSTRUMENT PANEL

The centralized display panel provides comprehensive information about the status of the machine in an easy to read format. The high quality display panel is waterproof and all information can be seen at a glance.

5. ENLARGED ENTRANCE AND EXIT

As entrance and exit are enlarged, accessibility is improved for getting on and off the machine. Since the front workspace is maximized, the inconvenience in operating equipment is minimized.



SAFETY COMES IN FIRST WITH ENHANCED SAFETY FEATURES



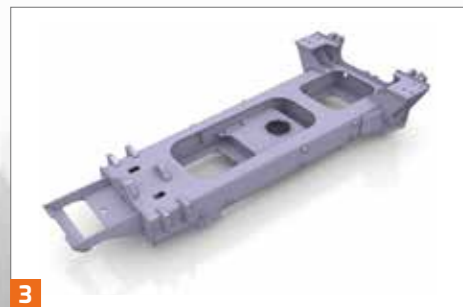
1. SPECIALIZED BOOM AND ARM DESIGN

Minimized welding based on the integrated design of the bottom plate. Increased boom and arm durability.



2. LARGE DOZER BLADE

As the ascending and descending speed of dozer blade is increased, work efficiency is maximized. Since the mudguard of blade is extended to both ends, mud does not go behind dozer while working.



3. OPTIMIZED CHASSIS FRAME STRUCTURE

Comfortable and safety work environment with expanded operator's space.



4



5



6

4. HIGH-EFFICIENCY, HIGH-STRENGTH ENGINE

Engine produces outstanding power and is known for its durability. This results in excellent operation in high-load operations. In addition, it features a low noise and low emissions suitable for operation in noise sensitive areas and at night.

5. OIL FILTER/FUEL FILTER

The engine oil filter is attached to the engine body and extends out for easy maintenance

6. OUTSTANDING MAIN PUMP

Fuel consumption reduced with easy hydraulic control and pump discharge quantity control.

EASY MAINTENANCE

We Offer Easy, Breezy Maintenance System That Can Also Prevent Downtime Of Your Machine.



BATTERY ON-OFF SWITCH

Electrical devices are protected by turning the battery power off for long-term storage and by periodic inspections of the machine.



OIL FILTER/FUEL FILTER

The engine oil filter is attached to the engine body and extends out for easy maintenance.



COUNTERWEIGHT & HOOD

As a cast counterweight is applied, deformation by impact is minimized. Thanks to the bonnet made of metton, the engine is further protected from external obstacle.

MY DEVELON

Telematics Service (OPTIONAL)

TELECOMMUNICATIONS Data flow from machine to web



TELEMATICS TERMINAL

The terminal device is installed and connected to a machine to get machine data.

TELECOMMUNICATION

DEVELON provides Dual mode (Cellular, Satellite) communication to maximize communication coverage

MY DEVELON

Users can monitor the machine status from DEVELON Website & Mobile App

TELEMATICS SERVICE BENEFITS DEVELON and dealer support customers to improve work efficiency with timely and responsive services

CUSTOMER

Improve work efficiency

- Timely and preventive service
- Improve operator's skills by comparing work pattern
- Manage fleet more effectively

DEALER

Better service for customers

- Provide better quality of service
- Maintain machine value
- Better understanding of market needs

DEVELON

Responsive to customer's voice

- Utilize quality-related field data
- Apply customer's usage profile to developing new machine

MAIN FUNCTIONS (WEB/APP) DEVELON Telematics Service provides various functions to support your great performance



OPERATION

You can easily access and manage equipment information and maintenance costs on the platform anytime, anywhere. Retrieve details such as location, uptime, utilization, and fuel costs based on field data, enabling efficient work planning by considering the progress at the job site.



HEALTH

Based on reliable manufacturer information, you can have checklists for each usage cycle and receive replacement cycle reminders for consumable parts. In the event of equipment defects, you will receive notifications and can request service immediately. This ensures swift service support from certified DEVELON dealers and minimizes machine idle time.



LIBRARY

Saving your time to find all the documents about your equipment. We provide monthly operation reports, manuals, parts books and more. This helps you to access to a wide range of information and knowledge of your equipment.



E-COMMERCE

You can purchase a variety of digital products and certified genuine parts for your equipment online. Elevate your experience by subscribing to our exclusive digital services.

*This service can be accessed in certain countries, and the scope of service may differ depending on your country and region.

GLOBAL PARTS NETWORK

QUALITY-PROVEN MAIN COMPONENTS

Develon provides fast and precise worldwide delivery of genuine Develon parts through its global PDC (parts distribution center) network.



GLOBAL NETWORK

The global network of the GPDC (Global Parts Distribution Center) maximizes its fill rate by making sure that each center is stockpiled with all the critical parts required for businesses in its area. The network also minimizes the time and costs required for parts delivery by positioning PDCs close to major markets around the world. Develon PDCs communicate with customers in their time zone, informing them that they are open for operation, and deliver parts to them as early as possible.

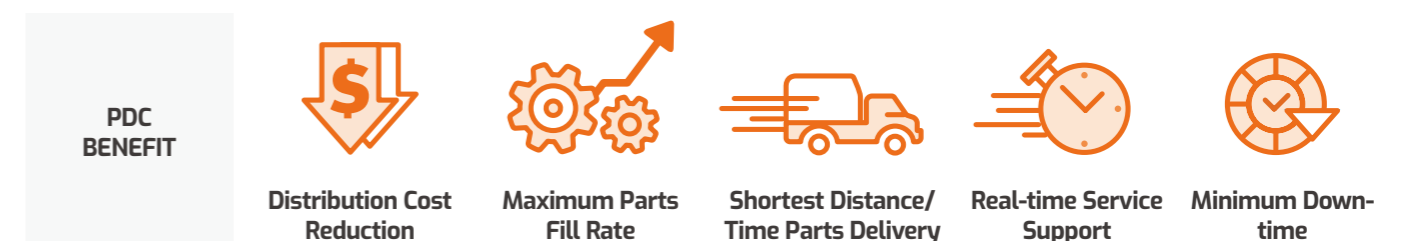
THE GLOBAL PARTS DISTRIBUTION CENTER NETWORK

PDCs had been set up as shown below, including Mother PDC in Ansan, Korea. The ten other PDCs include one in China (Yantai), three in USA (Atlanta, Seattle and Miami), two in Europe (Belgium and the UK), one in the Middle East (Dubai), two in Asia (Singapore and Indonesia) and one in Brazil (São Paulo).



MPDC : Mother Parts Distribution Center

PDC : Parts Distribution Center



TECHNICAL SPECIFICATIONS

MAIN SPECIFICATIONS

Engine

Model	Yanmar 4TNV98
Number of cylinders	4
Bore	Ø98 mm
Stroke	110 mm
Rated power	39 kW (53.1 PS) @ 2,200 rpm
Battery	12V, 100amp
Displacement	3,319 cm ³

HYDRAULIC SYSTEM

Main pump

Type	Axial piston pump
Maximum flow	138.6 l/min (2,200 rpm)

Maximum digging force (ISO)

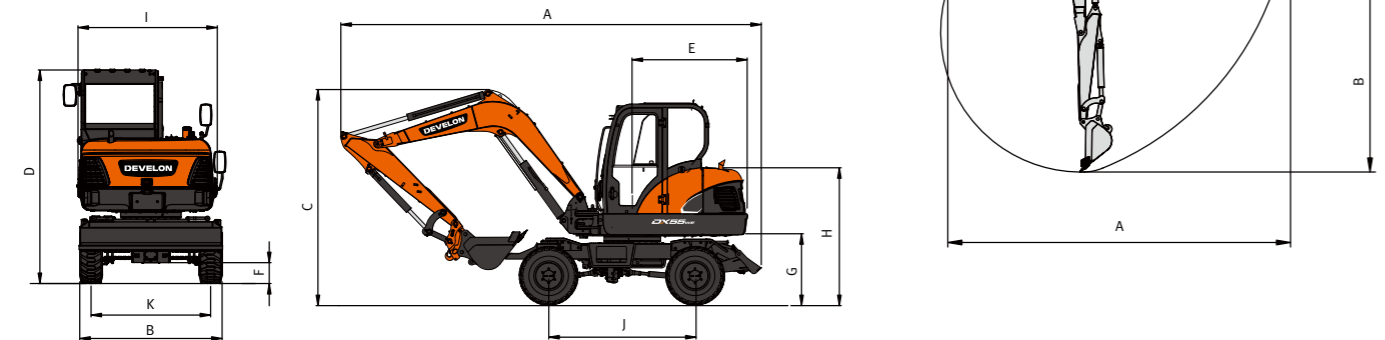
Bucket	4.5 ton
Arm	2.8 ton

OPERATING SPECIFICATIONS

Operator, lubricant, cooling liquid, fuel tank (full), and standard installation

Boom	3,000 mm
Arm	1,600 mm
Bucket	0.175 m ³
Operational weight	5.5 ton

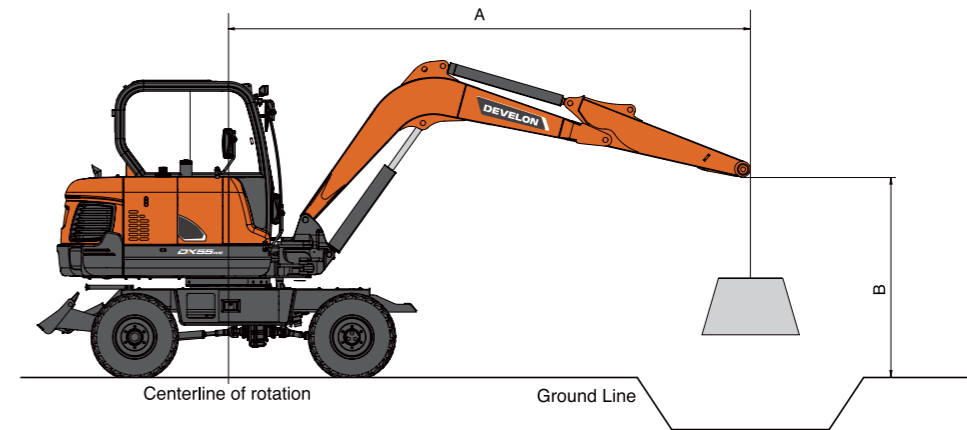
DIMENSIONS & WORKING RANGE



		DX55WE	
Overall length	(mm) A	6,120	
Transportation width	(mm) B	1,955	
Transportation height	(mm) C	2,868	
Overall height (to top of cab)	(mm) D	2,950	
Rear swing radius	(mm) E	1,650	
Ground clearance	(mm) F	288	
Counterweight clearance	(mm) G	1,017	
Engine cover height (over shipping width)	(mm) H	1,990	
Overall width	(mm) I	1,905	
Wheel base	(mm) J	2,100	
Tread	(mm) K	1,600	

		DX55WE	
Max. digging reach	(mm) A	6,120	
Max. digging depth	(mm) B	3,451	
Max. digging height	(mm) C	6,051	
Max. loading height	(mm) D	4,314	
Min. swing radius	(mm) E	2,412	

LIFTING CAPACITY



Dozer Down, Rear with 1,600mm Arm

Metric / single tire

Unit : 1,000kg

B(m)	A(m)		2		3		4		5		Max. Reach		
	🔧	🔧	🔧	🔧	🔧	🔧	🔧	🔧	🔧	🔧	🔧	A(m)	
5											1.19 *	1.19 *	3.61
4							1.22 *	1.22 *			1.03 *	1.03 *	4.5
3							1.37 *	1.27			0.99 *	0.89	4.99
2			2.26 *	1.89	1.67 *	1.23	1.46 *	0.88	1.02 *	0.82			5.2
1			2.91 *	1.79	1.97 *	1.18	1.58 *	0.86	1.11 *	0.81			5.19
0(Ground)	2.24 *	2.24 *	3.15 *	1.75	2.14 *	1.15			1.30 *	0.86			4.94
-1	4.03 *	3.54	3.03 *	1.75	2.08 *	1.15			1.73 *	1			4.42
-2	3.96 *	3.62	2.44 *	1.79					1.93 *	1.45			3.46

Metric / double tire

Unit : 1,000kg

B(m)	A(m)		2		3		4		5		Max. Reach		
	🔧	🔧	🔧	🔧	🔧	🔧	🔧	🔧	🔧	🔧	🔧	A(m)	
5											1.20 *	1.20 *	3.56
4							1.22 *	1.22 *			1.04 *	1.04 *	4.48
3							1.35 *	1.35 *			1.00 *	1.00 *	4.97
2			2.22 *	2.22	1.65 *	1.42	1.46 *	1.02	1.02 *	0.95			5.2
1			2.89 *	2.11	1.96 *	1.37	1.58 *	0.99	1.10 *	0.94			5.19
0(Ground)	2.17 *	2.17 *	3.14 *	2.06	2.14 *	1.34			1.29 *	0.99			4.96
-1	3.93 *	3.93 *	3.05 *	2.06	2.09 *	1.34			1.70 *	1.16			4.45
-2	4.03 *	4.03 *	2.49 *	2.1					1.92 *	1.65			3.52

- AT THE ARM END, WITHOUT BUCKET (Unit : 1,000kg)
- CAPACITIES MARKED WITH AN ASTERISK (*) ARE LIMITED BY HYDRAULIC CAPACITIES.
- LIFT CAPACITIES SHOWN DO NOT EXCEED 75 % OF MINIMUM TIPPING LOADS OR 87 % OF HYDRAULIC CAPACITIES.
- THE LEAST STABLE POSITION IS OVER THE SIDE.
- LIFT CAPACITIES APPLY ONLY TO THE MACHINE AS ORIGINALLY MANUFACTURED AND NORMALLY EQUIPPED BY THE MANUFACTURER.
- LIFT CAPACITIES ARE IN COMPLIANCE WITH ISO 10567.
- TEXT COLORS OF LIFTING CAPACITY TYPE
 ·BLACK: BOOMCYL LIFTINGCAPA, ·BLUE: ARMCYL LIFTINGCAPA, ·GREEN: ARTICYL LIFTINGCAPA
- MACHINE IN 'POWER BOOST' MODE, FOR LIFTING CAPACITIES

- A** Load radius from centerline of rotation
- B** Load point height
- 🔧 Rated lift capacity-over front
- 🔧 Rated lift capacity-over side

We are **DEVELON**

We trace our roots to 1937 as one of Korea's first large scale machine plant. Throughout time we have consistently delivered exceptional products and solutions.

DEVELON is a bold name that reflects our core ambition to continue developing onwards and leaving behind a positive footprint in our world. Moving forward, we seek to be part of our customers and partners' endeavor to build a better world.

Powered by **Innovation**



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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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