

## > 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.

[develon-ce.com](http://develon-ce.com)

# DEVELON

Excavator

## DX55-5C





**SIMPLE AND ESSENTIAL,  
JUST RIGHT FOR YOUR  
DAILY WORK**

**The best choice for your  
preferences DX55-5C**

Equipped with highly durable Yanmar engine, the DX55-5C realized the highest fuel efficiency of the class while maximized its uptime by improving quality, reliability and durability.

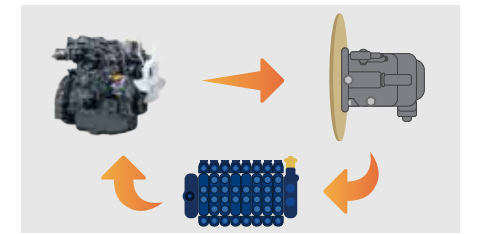


Photos may include optional equipment

Above result is based on internal test, against the same operation weight machine



# ALL-ROUND VERSATILITY AND IMPROVED FUEL EFFICIENCY



## INCREASED PRODUCTIVITY 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.

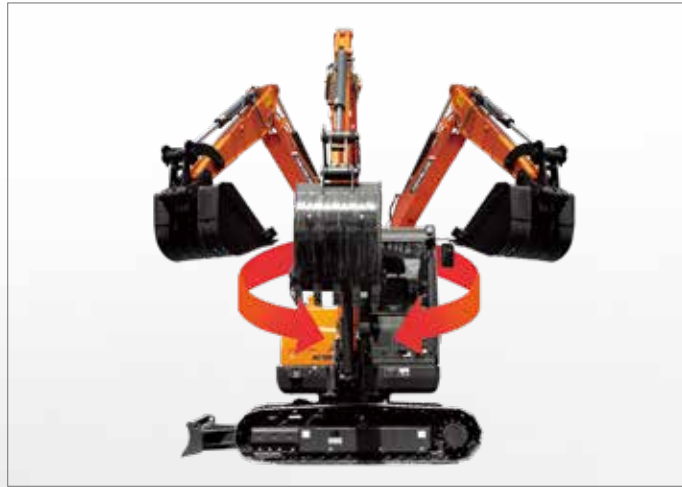
## REDUCED MAINTENANCE

increases the availability and reduces operating costs of the excavator.

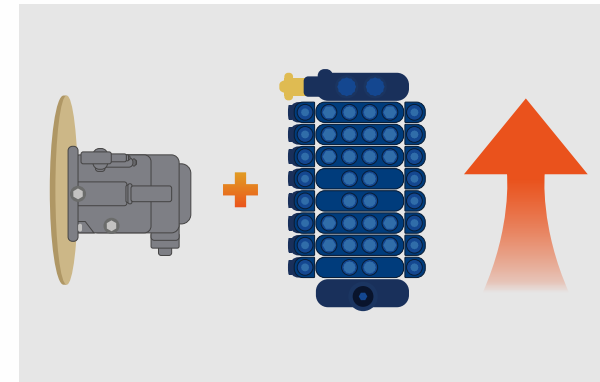


# PERFORMANCE AND PRODUCTIVITY

**DX55-5C ensures best performance with powerful excavating force and high-tech hydraulic system for better operation efficiency at any work site!**



\* Above image may differ from actual product.



## **SPEED SIGNIFICANTLY INCREASED**

Improved load sensing closed-center hydraulic system uses the engine power more effectively, maximising pump output and offering more comfort, smoothness and accuracy regardless of the load.



## **OPTIMIZED LEVER CONTROL & AUTO IDLE**

Ergonomically designed levers have very comfortable grips that allow the operator to perform precise operations very easily.





# A SPACIOUS CABIN WITH ENHANCED COMFORT

Designed with low noise, low vibration work space for the operator, and an all weather air conditioner provides safe and pleasant work environment.



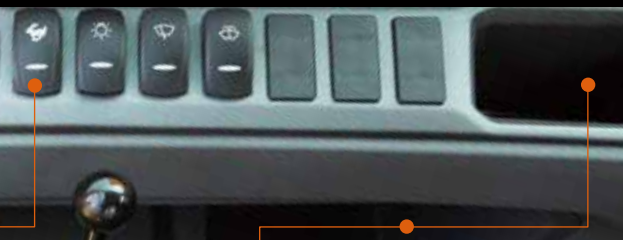
## WIDER FIELD OF VIEW

The cabin window is enlarged to provide the operator with wider field of view for undisturbed operation.



## UPGRADED BUTTON DESIGN

Metal-texture plates used in luxurious cars and clustered switch design maximize work convenience and efficiency.



## USER-CENTERED STORAGE SPACE

The cabin provides convenient small storage compartment. Cell phone and other electronic devices can be stored safely.



## 2. AIR CONDITIONING SYSTEM

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.

## 3. WIDE OPERATING SPACE

Wider and more pleasant working space provides an enhanced work environment.

## 4. GAUGE PANEL

The instrument panel is designed for easy monitoring of the machine operating conditions.





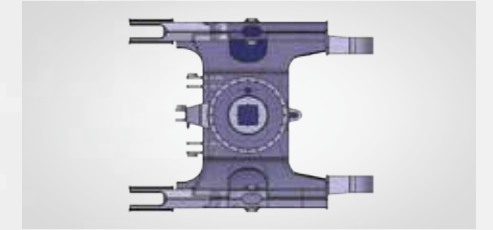
# MORE RELIABILITY, DESIGNED FOR LONG TERM PERFORMANCE

At DEVELON, we use highly specialised design and analysis tools to make sure our machines are as robust and durable as can be. Our materials and structures undergo stringent testing for strength and resilience under the most extreme conditions.



## REINFORCED LARGE-SIZE DOZER BLADE

Dozer blade with increased soil removal capacity implemented by high-durability material and wide-area design.



## OPTIMIZED TRACK FRAME STRUCTURE

The chassis is applied with a new design structure to remove stress concentration and improve machine durability and work stability.



## 1. BOOM AND ARM WITH ENHANCED DESIGN

Stress concentration is minimized by improving structural design and reducing weld joints. One-piece type boom support plate improves structural stability and durability of the boom.

## 2. BOOM CYLINDER COVER

Prevents scratches caused by boom collision during work and extends the service life of the boom cylinder.



# BETTER DURABILITY

Built with quality-proven main components and durable design for minimized downtime



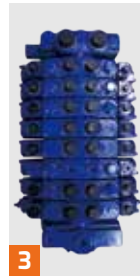
## ENGINE

The engine offers reliable power with market-proven durability and high fuel economy.



## MAIN CONTROL VALVE

The machine can be precisely controlled in single and complex operations and the front hydraulic flow matched to the work load. This contributes to great fuel economy and smooth operation.



## SWING AND TRAVEL MOTOR

Quality guaranteed with a motor that has passed extensive tests and verification.



# TECHNICAL SPECIFICATIONS

## Engine

Model	4TNV94L
Rated power	36.2 kW/2,100 rpm

## Maximum digging force (ISO)

Bucket	3.9 ton
Arm	2.8 ton

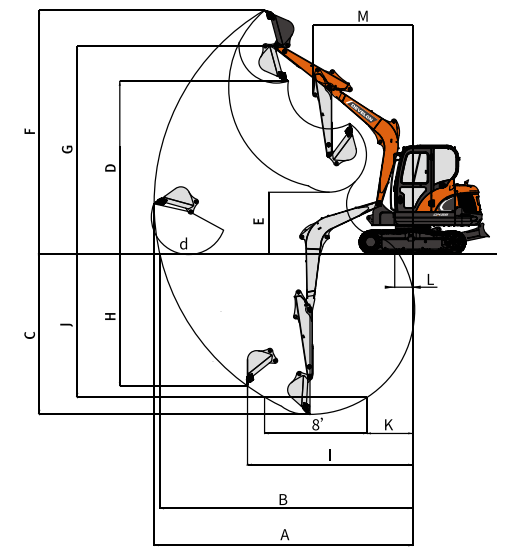
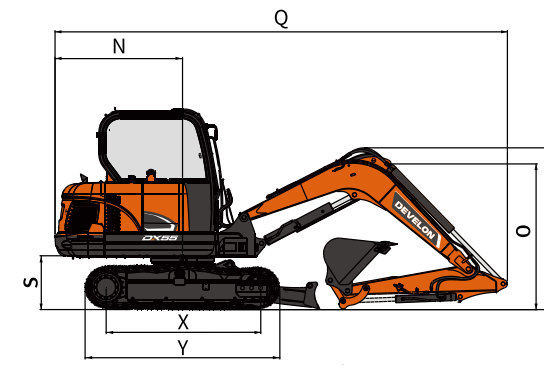
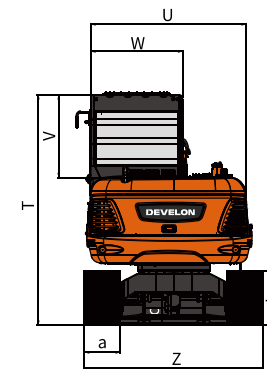
## Main specification

Boom	3,000 mm
Arm	1,600 mm
Bucket	0.21 m <sup>3</sup>
Shoe width	380 mm
Operating weight	5.4 ton
Maximum swing speed	9.8 rpm
Travel speed (low-high)	4.6 / 2.9 km/h

## Fluid capacities

Fuel tank	100 L
Hydraulic oil tank	62 L

## DIMENSIONS & WORKING RANGE



Tail swing radius	(mm) N	1,650
Shipping height (boom)	(mm) O	1,920
Shipping height (hose)	(mm) P	1,920
Shipping length	(mm) Q	5,870
Counterweight clearance	(mm) S	700
Tumbler distance	(mm) X	1,990
Track length	(mm) Y	2,540
Upperstructure width	(mm) U	1,870
Cab height above bonnet	(mm) V	1,265
Cab width	(mm) W	1,095
Height over cab	(mm) T	2,590
Undercarrige width	(mm) Z	1,860
Shoe width	(mm) a	380
Track height	(mm) b	615
Ground clearance	(mm) c	260

Max. digging reach	(mm) A	6,135
Max. digging reach (ground)	(mm) B	6,025
Max. digging depth	(mm) C	3,645
Max. loading height	(mm) D	4,110
Min. loading height	(mm) E	1,440
Max. digging height	(mm) F	5,725
Max. bucket pin height	(mm) G	4,890
Max. vertical wall depth	(mm) H	2,300
Max. radius vertical	(mm) I	4,860
Min. swing radius	(mm) M	2,430

\* Dozer blade (width x height) (mm) 1,860 x 350





# DEVELON FLEET MANAGEMENT Telematics Service (OPTIONAL)

**TELECOMMUNICATIONS** Data flow from machine to web



### TELEMATICS TERMINAL

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



### Develon FM WEB

User can monitor machine status from DEVELON FM Web

**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

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



GPS



Fuel information



Preventive maintenance



Operation hours



Fault code/warning



ADT Productivity



Reports

FUNCTION		EXCAVATOR	WHEEL LOADER	ADT
GPS	Location Geo-fence	All models	All models	All models
Operation hours	Daily, Weekly, Monthly report	All models	All models	All models
Operation hours	Total operation hours Operation hours by mode	All models	All models	All models
Maintenance parts	Preventive maintenance by item replacement cycle	All models	All models	All models
Fault code/ Warning	Fault code Machine Warnings on Gauge Panel	All models	All models	All models
Fuel information	Fuel level Fuel consumption	All models	All models	All models
Dump capacity	Dump tonnage Count of Work Cycle	N/A	N/A	All models

# 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.

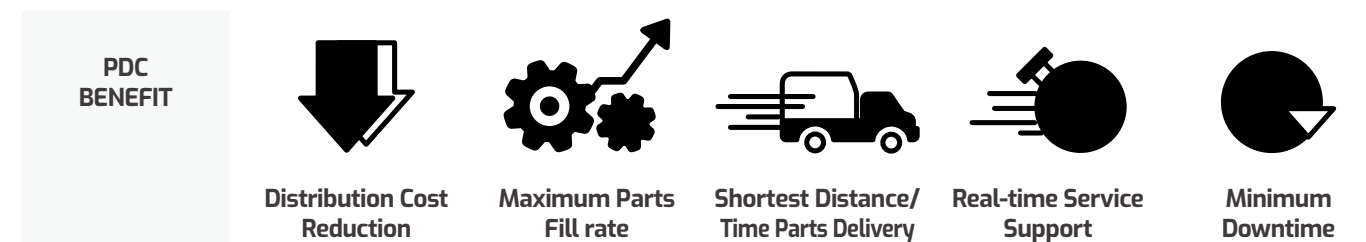
## THE GLOBAL PARTS DISTRIBUTION CENTER NETWORK

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



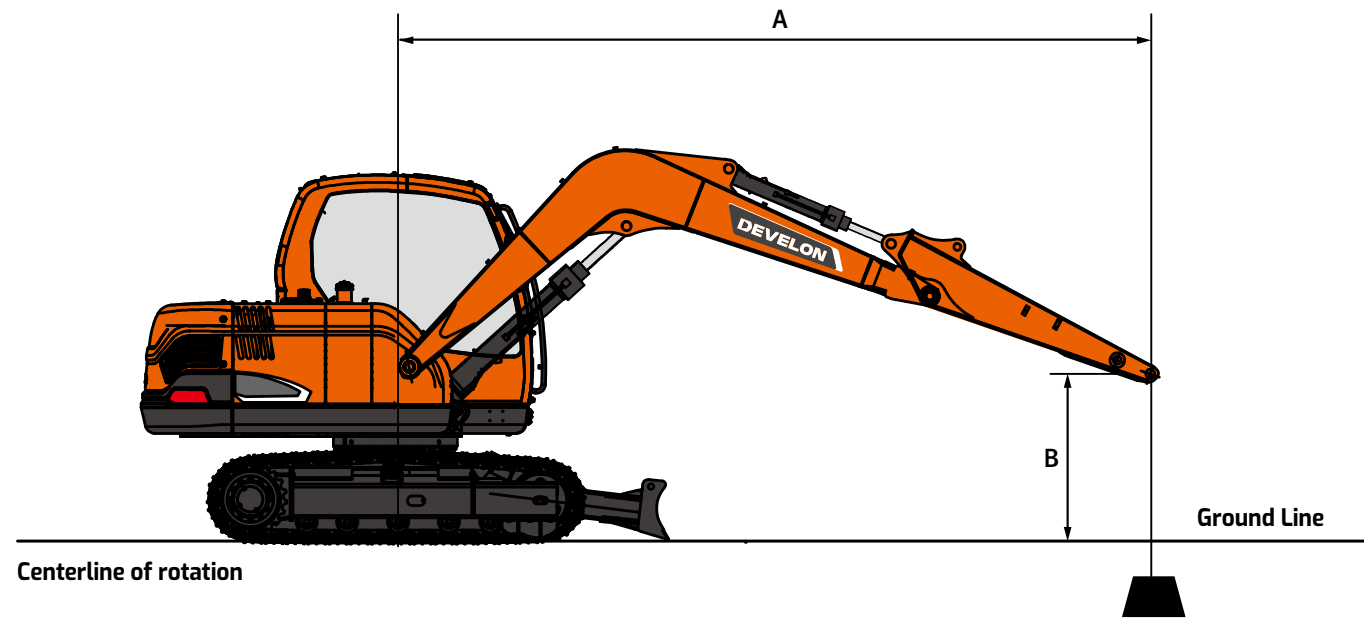
MPDC : Mother Parts Distribution Center

PDC : Parts Distribution Center





# LIFTING CAPACITY



## STANDARD (DOZER UP)

### Metric

Boom: 3000mm Arm: 1600mm Shoe: 380mm Counterweight: 250kg

Unit: 1,000kg

B(m)	A(m)	F 1 m	S 1 m	F 2 m	S 2 m	F 3 m	S 3 m	F 4 m	S 4 m	F 5 m	S 5 m	Max. Reach		at(m)
4 m								1.01 *	1.01 *			0.86 *	0.86 *	4.29
3 m								1.06 *	1			0.81 *	0.71	4.90
2 m						1.65 *	1.46	1.2	0.95	0.84	0.68	0.79	0.63	5.20
1 m						1.75	1.35	1.14	0.91	0.82	0.66	0.76	0.61	5.27
0 m				1.46 *	1.46 *	1.69	1.29	1.1	0.87	0.8	0.64	0.78	0.62	5.11
-1 m		2.28 *	2.28 *	2.93 *	2.44	1.67	1.28	1.09	0.86			0.88	0.69	4.69
-2 m		3.57 *	3.57 *	3.51	2.48	1.7	1.3					1.14	0.9	3.92

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.

7. TEXT COLORS OF LIFTING CAPACITY TYPE

·BLACK: BOOMCYL LIFTINGCAPA, ·BLUE: ARMCYL LIFTINGCAPA, ·GREEN: ARTICYL LIFTINGCAPA

8. MACHINE IN 'POWER BOOST' MODE, FOR LIFTING CAPACITIES

: RATING OVER FRONT

: RATING OVER SIDE OR 360 degree

## STANDARD (DOZER DOWN)

### Metric

Boom: 3000mm Arm: 1600mm Shoe: 380mm Counterweight: 250kg

Unit: 1,000kg

B(m)	A(m)	F 1 m	S 1 m	F 2 m	S 2 m	F 3 m	S 3 m	F 4 m	S 4 m	F 5 m	S 5 m	Max. Reach		at(m)
4 m								1.01 *	1.01 *			0.86 *	0.86 *	4.29
3 m								1.06 *	1.06 *			0.81 *	0.81 *	4.90
2 m						1.65 *	1.65 *	1.28 *	1.17	1.17 *	0.83	0.81 *	0.78	5.20
1 m						2.30 *	1.69	1.56 *	1.12	1.27 *	0.81	0.86 *	0.75	5.27
0 m				1.46 *	1.46 *	2.61 *	1.63	1.75 *	1.08	1.35 *	0.79	0.98 *	0.77	5.11
-1 m		2.28 *	2.28 *	2.93 *	2.93 *	2.61 *	1.62	1.78 *	1.07			1.24 *	0.86	4.69
-2 m		3.57 *	3.57 *	3.76 *	3.29	2.29 *	1.64					1.53 *	1.12	3.92

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.

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8. MACHINE IN 'POWER BOOST' MODE, FOR LIFTING CAPACITIES

: RATING OVER FRONT

: RATING OVER SIDE OR 360 degree