

> We are DEVELON

DEVELON is powered by 88 years of trusted engineering expertise and proven quality.
We transform this legacy into smart products and digital solutions that move the industry forward.

Built on trust and driven by innovation,
DEVELON remains dedicated to maximizing customer value in the future.

Powered by **Innovation**



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2026.05

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<https://global.develon-ce.com>

DEVELON

Wheeled Excavators

DX190W-7M



Maximum power	170 hp
Operating weight	18.31 t
Bucket capacity	0.8 m ³

DEVELON DX190W-7M WHEELED EXCAVATORS:

AN ALL-ROUND IMPRESSIVE PACKAGE

Develon's new WEX-7M Series Wheeled Excavators offers a host of redesigned features and new technologies to ensure smooth operation, superior productivity and stability, top-class operator comfort and improved fuel efficiency. These powerful machines will give your job site a huge boost.



SUPERIOR STABILITY

Rock-solid in every moment. Thanks to optimized weight distribution, longer wheelbase cast counterweight and optional heavier counterweights for the biggest attachments, the DX-7M Series offers excellent stability for confidence and peace of mind in all situations.

RELIABILITY

Reinforced castings and forged steel pivot points and reinforced heavy-duty arm and boom to withstand high-impact materials. Monoboom or articulated boom for added versatility. Improved hydraulic line routing to protect your investment.

TOTAL CONTROL

Enjoy significantly reduced shock and better productivity when handling loads. Thanks to our switchable Fine Swing feature, you avoid bumps at the start and end of any boom movement (only recommended on flat surfaces).

COMFORTABLE RIDE

Bumpy terrain ahead? We have you covered. Our switchable Load Isolation System largely mitigates the impact of bumps on the cab. You enjoy a smooth ride, increased productivity and improved safety even on bumpy ground.

YOUR SAFETY IS OUR PRIORITY

Anti-slip steps and platforms, as well as guard rails on upper structure. Optional: a 360° all-around view camera (AVM). Large side mirrors, 7 powerful LED work lights (4 additional lights possible as an option), travel alarm.

PRODUCTIVITY

The highest hydraulic capacity in its class in the market – with 2 × 200 l/min for various applications. This extra power is available for any attachments you use and work you need to do.

Automatic digging brake, electric joystick steering, and Load Isolation System (LIS) for better ride control.

UNRIVALLED COMFORT

One of the most spacious cabs in the market, with low noise & vibration levels and excellent all-round visibility. Thanks to the premium seat's heating, and even an optional cooling functionality, and improved air ventilation in the DX190W-7M, you can focus on the job at hand under all conditions.

RAISE PROFITS, PRODUCTIVITY & FUEL EFFICIENCY

EFFORTLESS OPERATION

Make work a breeze with switchable electric steering. With this option, you use a thumbwheel to steer the machine without taking your hand off the joystick.

OPERATE AT EASE

New Develon Smart Touch screen – an easy to read and use 8" touch screen – integrates all functions and settings of your machine in one place. Don't miss any important call thanks to the hands-free phone system. And forget fumbling with keyholes: unlock the door with the included Develon Smart Key.

NEW DEVELON ENGINE

Exceptionally powerful – with high torque at low revs – the new Develon engine combines reliability and low environmental impact. This Stage 3A / Tier 3 compliant 6 cylinder engine delivers 170 hp at 2000 rpm.

FULL CONTROL OVER FUEL CONSUMPTION

The latest evolution of the legendary Stage 3A / Tier3 Develon DL06V engine, with significantly improved fuel economy thanks to a new travel mode using the flow of 2 pumps, automatically adjusts the required engine power and engine rpm to avoid lost energy. Take full control over your fuel consumption with a settable engine shut off and the automatic Smart Power Control (SPC). Easy on your wallet and the environment.

AUTOMATIC DIGGING BRAKE

Activate the Auto Digging Brake function by pressing the button on the control switch. This function automatically holds the service brake when the vehicle stops (zero speed) without the operator stepping on the brake. When the transmission pedal is pressed, the brake is automatically released.

EASY MAINTENANCE

Maintenance data are directly available from the control panel. Easy access to filters from ground level. To protect coolers and minimize downtime, the cooling compartment is equipped with fine mesh for the intake air. These innovations make maintenance operations a pleasure.



TOP PERFORMANCE AND FUEL EFFICIENCY

THE POWER TO RAISE PRODUCTIVITY

- The DX190W-7M is equipped with the latest generation Develon engine.
- Stage 3A compliant, this engine boasts extremely low emissions because reducing our environmental impact is paramount to us

EFFICIENT FUEL MANAGEMENT

- Choice of 4 power modes (Eco - Standard - Power - Power Plus) and automatic Smart Power Control system for optimal power and reduced fuel consumption in all conditions.
- Smart Power Control (SPC) system: reduces engine speed and adjusts pump torque according to work conditions. The system automatically adjusts engine power and hydraulic output to improve fuel efficiency and reduce emissions.
- New traveling mode, using the flow of the 2 hydraulic pumps, to reduce the engine rpm and fuel consumption.
- Engine auto-shut-off: shuts down the engine after the machine has been idling for a specified time.

VARIABLE PRESSURE TURBOCHARGER

Provides optimal air flow to the engine combustion chamber under all speed and load conditions, so that exhaust gas is cleaner and fuel economy is improved.

SPC3 (3RD GENERATION OF SMART POWER CONTROL)

To improve fuel efficiency and reduce emissions, the SPC3 reduces engine speed and adjusts pump torque automatically, according to work conditions.



DESIGNED FOR LONG-TERM, ALL-ROUND, HEAVY-DUTY PERFORMANCE

UNDERCARRIAGE DURABILITY

A rigid, welded frame provides excellent durability. Efficient routing of hydraulic lines, transmission and rear differential protection and heavy-duty axles make the undercarriage perfect for wheeled excavator applications. An oscillating axle lock is available for digging and lifting operations.

NEW DRIVE LINE CONCEPT

The new travel motor and powershift transmission control in the drive line provide comfortable travel due to increased smoothness, improved hydraulic retarding and improved gear shifting.

A new travel mode, using the flow of 2 pumps, automatically adjusts the required engine power and rpm to avoid lost energy and provide the best fuel consumption.

ADVANCED DISC BRAKE SYSTEM

The new improved system allows a more efficient braking of the machine. This eliminates the rocking effect associated with working on wheels. The ZF axles are designed for low maintenance, and the oil change intervals have been increased to 2000 hours, further reducing owning and operating costs.

HEAVY-DUTY AXLES

The front axle offers wide oscillating and steering angles. The transmission is mounted directly on the rear axle for protection and optimum ground clearance.

STRENGTHENED BOOM AND ARM

During the development of our machines, we use intensive testing to calculate the best load distribution throughout the boom structure.

Combined with thicker material, this means that element fatigue is limited and both reliability and component life are increased. To better protect the base of the arm, reinforced bars have been added and the arm center and end boss have been strengthened.

ADVANCED FILTRATION

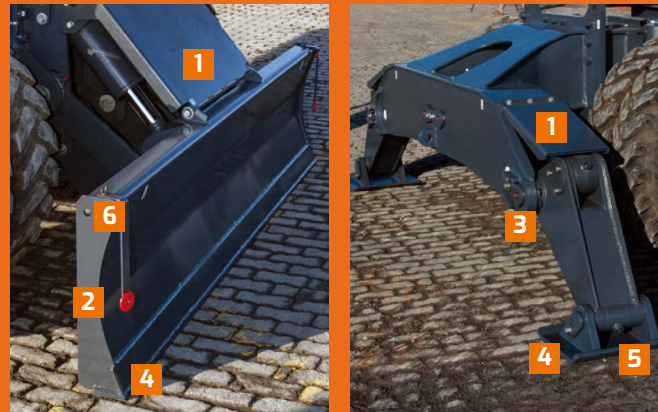
- Fuel filters and water separator: a filter-type high-performance water separator effectively captures moisture in the fuel, reducing impurities and helping minimize any fuel-related issues. Pre-filters and dual main filters as standard achieve a high degree of purity that minimizes fuel system failures.
- Cyclonic air pre-cleaner: air filter life and engine efficiency are directly related to the amount of debris ingested through the engine's air intake. Therefore, a cyclonic air pre-cleaner (as standard) is the first stage of an air intake system that prevents the majority of heavier-than-air particles from entering. Self-cleaning and maintenance-free, the system is able to expel all types of mixed debris, including mud, snow, rain, leaves, sawdust, chaff, etc.

PIN AND BUSHING ADVANCED TECHNOLOGY

Highly lubricated metal is used for the boom pivot to increase the component's lifetime and lengthen greasing intervals. The bucket pivot features EM (Enhanced Macrosurface) bushings. These have a tailored surface pattern and self-lubricating coating for optimized greasing and more efficient debris removal. Ultra-hard wear-resistant discs and bucket pivot polymer shims increase durability even more.

EXCLUSIVE PARALLEL DOZER AND INDEPENDENT STABILIZERS ARE SYMMETRICAL FOR BETTER CUSTOMIZATION – WHICH ALSO FACILITATES REMARKETING FOR THE SECOND-HAND BUSINESS:

1. Large reinforced covers protect the dozer and stabilizer cylinders.
2. The dozer blade design facilitates pulling and mixing of materials.
3. The stabilizers are kept well within the machine envelope, and the position of the pins is kept high to avoid bumping while moving over the ground.
4. Parts in contact with the ground have been carefully designed to prevent damage to the surfaces.
5. Wide pads to reduce ground pressure.
6. Lifting eyes on dozer for secure transport – 4 additional eyes are on the undercarriage.



OPERATING IN HIGH COMFORT



1. Parallel wiper
2. Binch touched screen monitor
3. Proportional switch
4. Joystick 1-touch function button
5. Breaker/Booster button
6. Redesigned pedals
7. Flat, spacious, easy-to-clean floor
8. Joysticks and switches are integrated in adjustable control consoles
9. Heated and cooled (option) seat
10. Improved visibility on the bottom right
11. Separate seat height adjustment lever and cushion tilting function
12. Fully adjustable steering column

BEST-IN-CLASS OPERATOR ENVIRONMENT

The DX190W-7M is designed to provide you with the best possible working conditions. The sophisticated state-of-the-art ROPS cab is pressurized and ISO-certified for your safety. A high-quality heated seat (and even seat cooling available as an option) with air suspension provides maximum operator comfort.

Make the most of the spacious and comfortable cab by tilting the redesigned, adjustable steering wheel column forward when not in use.

UNRIVALLED COMFORT

Comfortably seated, you benefit from a clear all-round view of the worksite and have easy access to several storage compartments. Noise and vibration levels are remarkably low, while air conditioning and automatic climate control allow you to keep working for hours on end without feeling tired.

Pedals, joysticks and armrests have all been designed for operator comfort and efficiency.

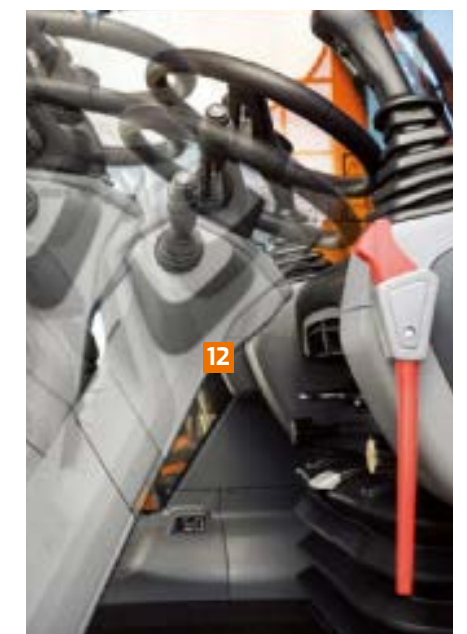
CAB SUSPENSION

The cab's suspension system (CabSus mount) dampens vibrations and provides outstanding protection against impact. This system absorbs shocks and vibrations much more effectively than a conventional silentblock suspension system.

DEVELON SMART TOUCH

The wide 8" Develon Smart Touch screen provides easy scrolling through the different menus, including power settings and auxiliary hydraulics settings. It also allows you to connect a Bluetooth device or listen to your favorite radio station.

The 360° all-around view camera (AVM) system gives you full view of the machine's surroundings.



1. Keyless start
2. Engine speed control dial
3. Travel speed selector switch
4. Fine Swing button
5. Boom LIS button
6. Light button
7. Cab lamp button
8. Overload warning device button
9. Auto hold button
10. Joystick steering button
11. Working lamp button
12. Mirror heater button (not for EU)
13. Travel alarm button

TAKE A SEAT IN BUSINESS CLASS

The ergonomic controls, the easy-to-view color monitor, and Develon Smart Touch place the machine firmly in your hands.

TOTAL CONTROL IN ALL SIMPLICITY

DYNAMIC POWER MANAGEMENT

- Automatic travel speed range selection (slow/fast)
- Activating the power boost control system increases digging force by 10%
- A 1-touch deceleration button immediately reduces engine speed to low idle
- Auto-idling starts 4 seconds (adjustable) after all controls are returned to neutral – reducing fuel consumption and noise levels in the cab

EFFORTLESS OPERATION

Steer the machine without taking your hand off the joystick with optional electric steering using a thumbwheel. For added comfort, you can quickly switch the function on and off by pressing and holding the roller.

LOAD ISOLATION SYSTEM (LIS)

Bumpy terrain ahead? We have you covered. Our switchable Load Isolation System largely mitigates the impact of bumps on the cab – enabling a smooth ride, increased productivity, and improved safety even on bumpy ground.

FINE SWING MODE

Enjoy significantly reduced shock and better productivity when handling loads, thanks to our switchable Fine Swing feature. This feature prevents bumps at the start and end of any boom movement (recommended for flat surfaces only).

AUTO DIGGING BRAKE

Automatically holds the service brake when the vehicle stops (speed is zero) without the driver stepping on the brake. When the transmission pedal is pressed, the brake is automatically released.

4 WORK MODES AND 4 POWER MODES

These modes deliver the needed power, according to your specific application, while minimizing fuel consumption:

- Work modes: 1-way mode, 2-way mode, Digging mode and Lifting mode
- With the 2-way mode, we offer a priority valve on the attachment line to increase the machine's productivity when using an attachment and moving the arm at the same time. Engage the Tilt Rotator mode for increased accuracy by enabling smart distribution of hydraulic flow to eliminate back pressure.
- Power modes: Power Plus mode, Power mode, Standard mode, Economy mode

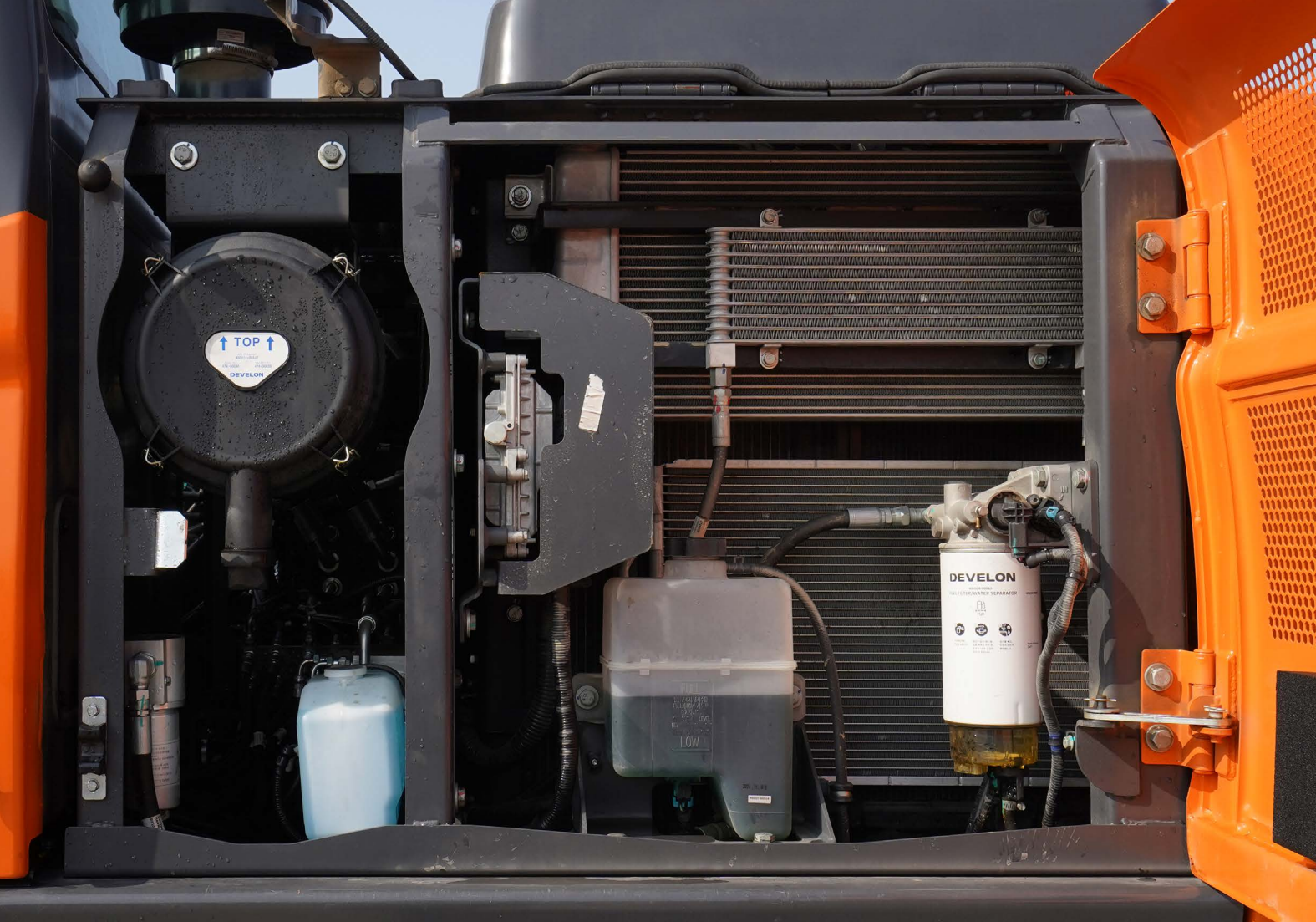
EXPERT FINGERTIP CONTROL

- The new multi-function 8" Develon Smart Touch screen displays all useful information in a visual and intuitive format.
- At a glance, you can check the machine's status and settings to achieve optimal efficiency.
- Develon's unique jog shuttle switch gives you easy and precise control over all machine functions.
- Highly sensitive and low-effort joysticks enable you to work safely, smoothly and confidently.
- The proportional thumb switches on the joysticks can be mounted horizontally or vertically, as the operator prefers, for optimal control of hydraulic attachments.

SIMPLE CUSTOMIZATION

Thanks to Develon's Smart Junction Box, managing electric equipment is a breeze with easy access and intuitive layout of all components.





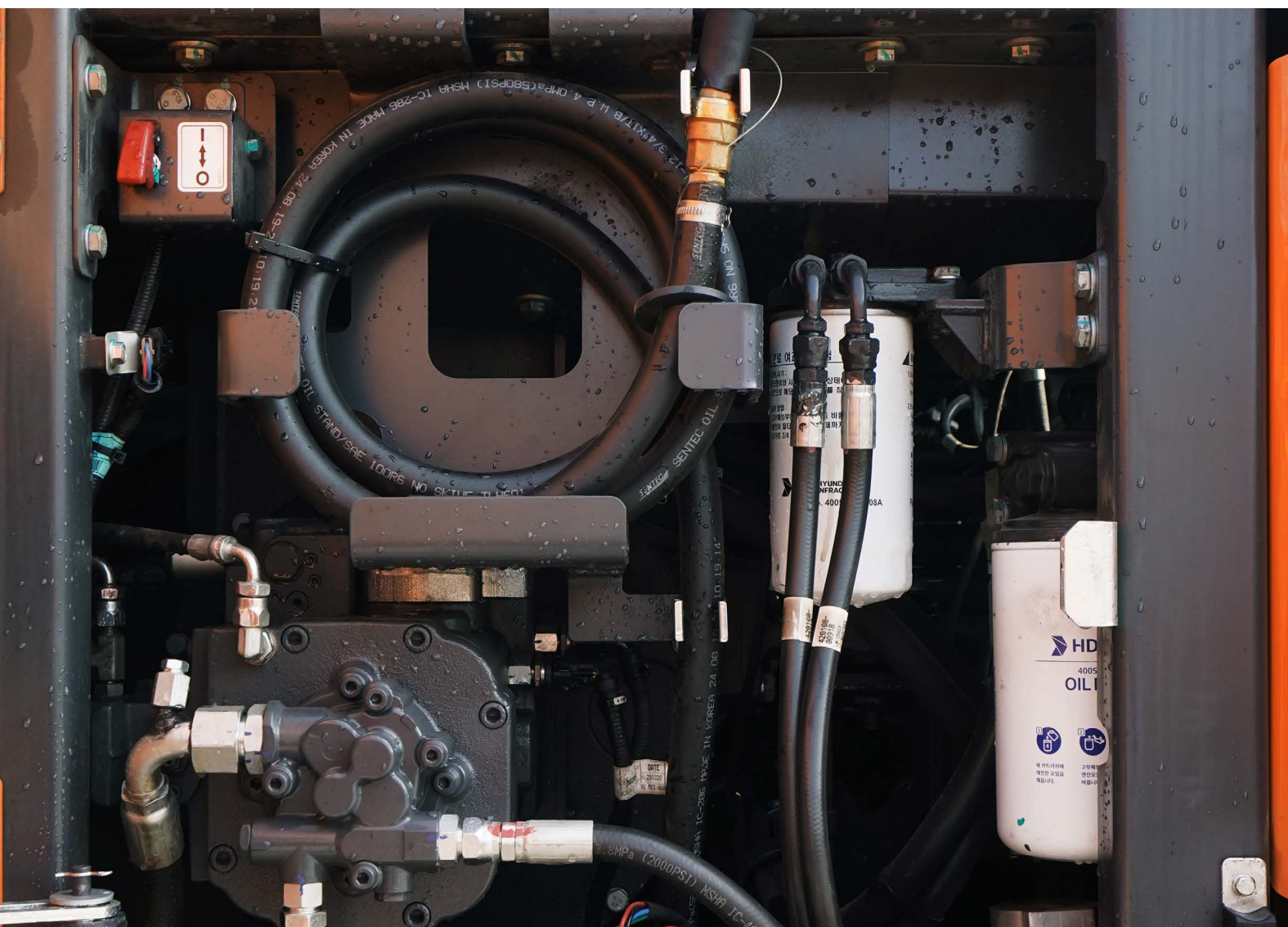
SIMPLE MAINTENANCE FOR MAXIMUM UPTIME

MAINTENANCE ACCESS MADE SIMPLE

- Large guard rails are installed along with anti-slip steps and plates, for safer, easier access to the whole upper structure.
- The air conditioning filter is placed on the side of the cab for easy access. The filter's cover can be locked and opened with a key.
- A battery cut-off switch makes it easy to disconnect the battery for long-term storage.
- The hour meter display can be easily checked from ground level.
- Shut-off valves have been fitted on the pre-filter piping line and fuel tank drain piping to make servicing easier and prevent pollution from leakage.
- Engine parts can be easily reached via the top and side panels.
- The radiator and oil cooler have been separated, making access for cleaning easier.
- For extra accessibility and servicing convenience, all filters (engine oil filter, fuel pre-filters, fuel filters and pilot filter) are located in the pump compartment.
- An electric transfer pump for initial priming of fuel filters is featured as standard.

CENTRALIZED GREASING POINTS

- To make maintenance easier, the greasing points have been centralized. An automatic lubrication system is available as an option.



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

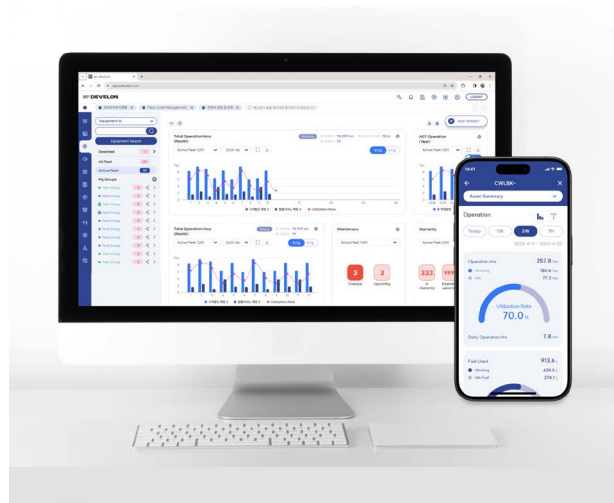
- Provide better quality of service
- Maintain machine value
- Better understanding of market needs

DEVELON

Responsive to customer's voice

- Utilize quality-related field data
- Apply customer's usage profile to develop 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.



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.



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.

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.

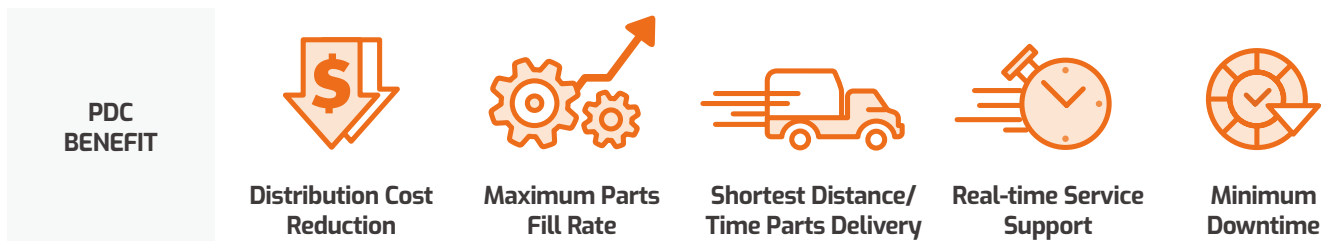


GLOBAL NETWORK

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), one in Asia (Indonesia) and one in Brazil (São Paulo).



TECHNICAL SPECIFICATIONS

ENGINE

Designed to deliver superior performance and fuel efficiency, the Develon DL06V diesel engine fully meets the latest Stage 3A emission regulations. To optimize machine performance, the engine uses high-pressure fuel injectors, air-to-air inter-cooler and electronic engine controls. 4-Cycle Water-Cooled, Wastegate Turbocharged, Common rail direct injection. .

Model
Develon DL06V
No. of cylinders
6
Rated power at 2000 rpm
ISO 14396, gross 127 kW (170 hp) SAE J1349, net 117 kW (157 hp)
Max. torque at 1400 rpm
75 Kgf.m/rpm
Idle (low - high)
800 [±50] - 2100 [±50] rpm
Displacement
5890 cm ³
Bore × stroke
100 mm × 125 mm
Starter
24 V / 6 kW
Batteries – Alternator
2 × 24 V, 150 Ah – 24 V, 100 A
Air filter
Double element air cleaner

UNDERCARRIAGE

Extremely robust construction throughout – made of high-quality durable materials with all welded structures designed to limit stresses. Lateral chassis welded and rigidly attached to undercarriage. Heat-treated connecting pins. Heavy-duty front axle with automatic or operator-controlled (on/off/auto) front axle oscillation lock.

Tire dimensions
10.00 - 20-14 PR
Overall width
2,530 mm
Wheel base
2,650 mm
Tread width
1,944 mm
Oscillation angle
W/O FENDER: ± 8°

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.

- The hydraulic system enables independent or combined operations
- 2 travel speeds offer either increased torque or high speed
- Cross-sensing pump system for fuel savings
- Auto-deceleration system
- 4 operating modes, 4 power modes
- Flow and pressure control of auxiliary hydraulic circuits from control panel
- Computer-aided pump flow control

Maximum system pressure	
Work	34.3 MPa
Travel	36.3 MPa

Pumps	Type	Max. flow at 1900 rpm	Relief valve pressure
Main	2 x swash plate, axial piston	2 × 200 l/min	-
Pilot	Gear	26.1 l/min	4 MPa
Steering	Gear	65.7 l/min	19~20 MPa
Brake	Gear	21.3 l/min	15.7 MPa

HYDRAULIC CYLINDERS

High-strength steel piston rods and cylinder bodies. Shock-absorbing mechanism fitted in all cylinders for shock-free operation and extended piston life.

Cylinders	Quantity	Bore × rod diameter × stroke (mm)
Mono boom	2	120 x 85 x 1,180
Articulated boom, lower	2	120 x 85 x 1,015
Articulated boom, upper	1	160 x 95 x 760
Arm mono boom 5.2 m	1	125 x 90 x 1,470
Arm articulated boom	1	125 x 90 x 1,470
Bucket mono boom	1	110 x 75 x 1,030
Bucket articulated boom	1	100 × 70 × 900
Blade	2	110 x 70 x 170
Stabilizers	2	130 x 80 x 397
Chocking	2	100 x 100 x 153

CAB

The air-conditioning and heating systems are integrated for optimal climate control. An automatically-controlled fan supplies the pressurized and filtered cab air, which is distributed throughout the cab from multiple vents. The heated air suspension, adjustable operator's seat includes a seat belt. The operator can adjust the ergonomic seat and joystick console separately according to his preferences.

A-weighted emission sound pressure level at the operator's position, LpAd (ISO 6396:2008)
Declared: 70 dB(A) Measured: 69 dB(A)
A-weighted sound power level, LwAd (2000/14/EC)
Declared: 99 dB(A) Measured: 98 dB(A)

SWING MECHANISM

- The swing mechanism uses an axial piston motor, driving a 2-stage planetary reduction gear bathed in oil for maximum torque.
- Swing bearing: single-row, shear type ball bearing with induction hardened internal gear
 - Internal gear and pinion immersed in lubricant
 - Increased swing torque reduces swing time
 - The swing brake for parking is activated by spring and released hydraulically

Maximum swing speed
11.21 rpm
Maximum swing torque
5,030 kgf.m

BUCKETS

Bucket Type	Capacity (m³) SAE	Width (mm)		Weight (kg)	Digging force (Normal/Press. up) (ton)
		With side cutters	W/O side cutters		
STD Mono boom	0.80	1,127	1,079	616	[SAE] 11.4 / 12.1
					[ISO] 13.1 / 13.8
STD Articulated boom	0.76	1,127	1,079	606	[SAE] 11.4 / 12.1
					[ISO] 13.1 / 13.8

FLUID CAPACITIES

Fuel tank	301 l
Cooling system	28.8 l
Hydraulic oil tank	192 l
Engine oil	27 l
Swing device	5 l

DRIVE

The wheels are driven by a bent axial piston engine via a 2-speed powershift transmission. In addition to the 2-speed powershift transmission there is also an economy mode and a switch for the creep speed. A button makes it possible to pass from high to low in work mode. Two travel speed ranges offer a choice between increased torque or high speed.

Travel speed (High/Low/Creep)
35 / 10 / 3.5 km/h
Maximum traction force
10.3 t
Minimum turning radius
6,456 mm
Gradeability
DX190W-7M: 58% (29°)

BRAKES

Dual multi-disc circuit with sintered metal discs for extended service life. Braking system activated by a pump and accumulator circuits. Automatic brakes for standard, released when pressing the transmission pedal. Spring-applied hydraulically released parking brake mounted on the transmission shaft.

Accumulators
0.75 l - 3 MPa

TECHNICAL SPECIFICATIONS

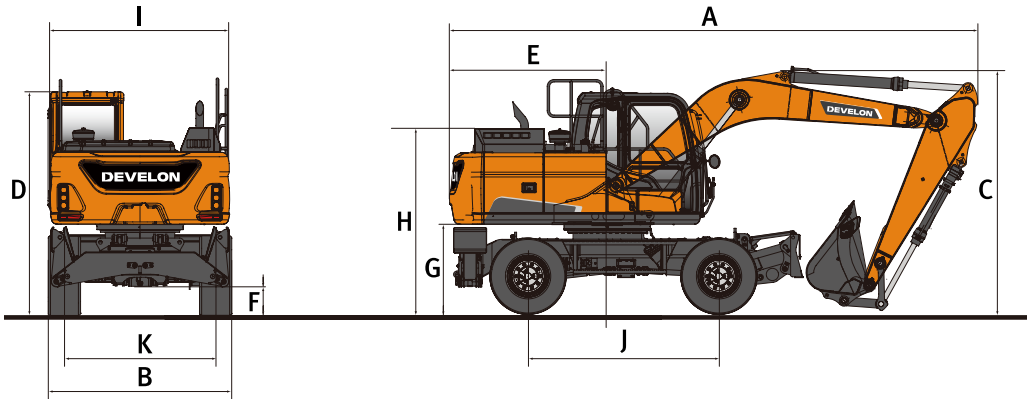
COMPONENT WEIGHTS

Item	Weight (kg)	Remarks
Upper structure without front	9,480	With counterweight
Undercarriage	5,845	Including stabilizers/blade front cradle and rear dozer
Front assembly	3,485	
Counterweight	3,220	
Boom	1,143	5,200 mm
Arm	554	2,600 mm
Bucket	616	0.8 m³
Boom cylinder	161	each
Arm cylinder	210	
Bucket cylinder	136	
Dozer	863	
Dozer cylinder	84	each
Stabilizer	1,221	
Stabilizer cylinder	113	each

WEIGHT

Boom	Arm	Chassis-Front	Chassis-Rear	Total Weight(kg)
Mono boom 5.2m	2.2m	Outrigger	Dozer	19,195
		Dozer	Outrigger	19,158
	2.6m	Outrigger	Dozer	19,218
		Dozer	Outrigger	19,181
	3.1m	Outrigger	Dozer	19,307
		Dozer	Outrigger	19,270
Articulated boom	2.3m	Outrigger	Dozer	19,629
		Dozer	Outrigger	19,592
	2.6m	Outrigger	Dozer	19,655
		Dozer	Outrigger	19,618

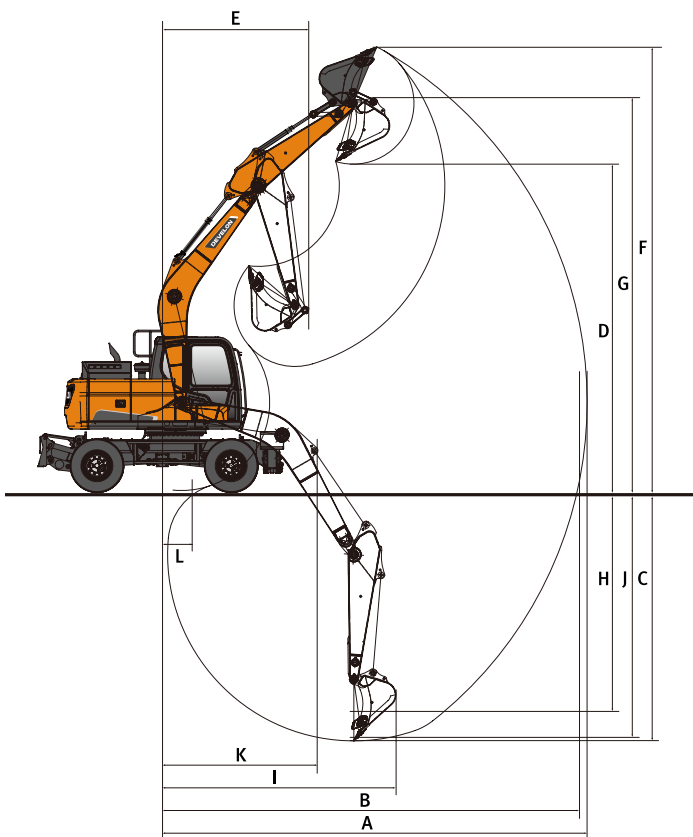
DIMENSIONS



DIMENSIONS

	Unit	Mono boom			Articulated boom	
Boom length	mm	5,200			5,440	
Arm length	mm	2,200	2,600	3,100	2,300	2,600
A Shipping length	mm	8,975	8,870	8,970	9,265	9,265
B Shipping width	mm	2,530	2,530	2,530	2,530	2,530
C Shipping height (boom)	mm	2,905	2,750	3,230	2,725	2,855
C Shipping height (hose)	mm	3,035	2,850	3,415	2,855	2,985
D Height over cab	mm	3,145	3,145	3,145	3,145	3,145
D Height over cab (guardrail)	mm	3,325	3,325	3,325	3,321	3,321
E Tail swing radius	mm	2,612	2,612	2,612	2,612	2,612
F Ground clearance	mm	348	348	348	348	348
G Counterweight clearance	mm	1,244	1,244	1,244	1,244	1,244
H Engine cover height	mm	2,291	2,291	2,291	2,291	2,291
I Upper housing width	mm	2,530	2,530	2,530	2,530	2,530
J Wheel base	mm	2,650	2,650	2,650	2,650	2,650
K Tread width	mm	1,944	1,944	1,944	1,944	1,944
Driving length	mm	8,717	8,625	8,630	7,160	7,100
Driving height (boom)	mm	3,955	3,920	3,980	3,935	4,000
Driving height (hose)	mm	3,995	3,985	4,000	4,035	4,060

WORKING RANGE



WORKING RANGE

	Unit	Mono boom			Articulated boom	
Boom length	mm	5,200			5,440	
Arm length	mm	2,200	2,600	3,100	2,300	2,600
A Max. digging reach	mm	8,875	9,255	9,610	9,450	9,750
B Max. digging reach (ground)	mm	8,660	9,050	9,415	9,255	9,555
C Max. digging depth	mm	5,320	5,725	6,225	5,610	5,915
D Max. loading height	mm	6,520	6,765	6,780	7,805	8,065
E Min. swing radius	mm	3,035	3,170	3,180	2,995	3,175
F Max. digging height	mm	9,195	9,440	9,380	10,625	10,885
G Max. bucket pin height	mm	7,935	8,180	8,195	9,210	9,475
H Max. vertical wall depth	mm	4,365	4,740	4,785	4,630	4,900
I Max. radius vertical	mm	6,170	6,330	6,805	5,680	5,810
J Max. depth to 2.5 m Line	mm	5,095	5,530	6,035	5,505	5,815
K Min. radius 2.5 m Line	mm	2,740	2,755	2,705	930	935
L Max. digging reach (mono front)	mm	1,245	390	-150	-	-

LIFTING CAPACITIES

MONO BOOM · W/O BUCKET (UNIT: 1,000 KG)

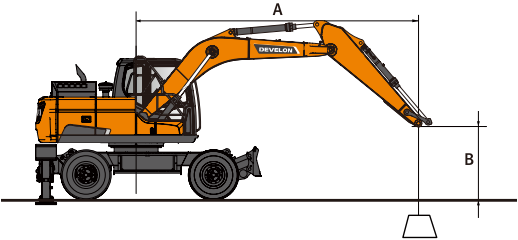
A	F 1.5 m	S 1.5 m	F 3 m	S 3 m	F 4.5 m	S 4.5 m	F 6 m	S 6 m	F 7.5 m	S 7.5 m	Max. F	Max. S	Reach (m)
B													

Mono boom 4.4 m · Arm 2.1 m · Counterweight 2.45 t													
7.5 m											3.48 *	3.48 *	5.37
6 m							5.10 *	5.10 *			3.48 *	3.48 *	5.37
4.5 m					6.76 *	6.76 *	5.93 *	5.2			3.10 *	3.10 *	6.64
3 m					5.06	3.33					3.10 *	2.78	6.64
1.5 m					6.76 *	5.04	4.96	3.24			2.99 *	2.99 *	7.38
0 m					8.44 *	7.83	6.63 *	5.02	4.65 *	3.56	3.03 *	3.03 *	7.76
-1.5 m					7.43	4.64	4.77	3.07	3.39	2.17	3.03 *	2.05	7.76
-3 m					9.96 *	7.4	7.35 *	4.83	5.60 *	3.48	3.22 *	3.22 *	7.83
					7.01	4.28	4.58	2.9	3.31	2.1	3.1	1.97	7.83
			7.01 *	7.01 *	10.59 *	7.17	7.74 *	4.7	4.66 *	3.43	3.61 *	3.37	7.6
			7.01 *	7.01 *	6.78	4.08	4.45	2.78	3.26	2.06	3.2	2.02	7.6
	7.42 *	7.42 *	11.88 *	11.88 *	10.26 *	7.12	7.53 *	4.66			4.35 *	3.75	7.04
	7.42 *	7.42 *	11.88 *	7.34	6.73	4.04	4.41	2.74			3.56	2.24	7.04
			12.38 *	12.38 *	8.84 *	7.22	6.08 *	4.75			5.95 *	4.7	6.05
			12.38 *	7.52	6.83	4.12	4.51	2.83			4.46	2.8	6.05

MONO BOOM · W/O BUCKET (UNIT: 1,000 KG)

A	F 4.5 m	S 4.5 m	F 6 m	S 6 m	F 7.5 m	S 7.5 m	Max. F	Max. S	Reach (m)
B									

Articulated boom 5.44m, Arm 2.6m, Counterweight 3.22 t									
9 m							4.20 *	4.20 *	4.11
7.5 m	5.17 *	5.17 *	3.71 *	3.71 *			4.20 *	4.20 *	4.11
6 m	5.17 *	5.17 *	3.71 *	3.23			3.01 *	3.01 *	6.07
4.5 m	5.41 *	5.41 *	5.13 *	5.13 *			3.01 *	3.01 *	6.07
3 m	5.41 *	5.22	5.04	3.28			2.60 *	2.60 *	7.22
1.5 m	6.55 *	6.55 *	5.57 *	5.15	4.93 *	3.6	2.60 *	2.34	7.22
0 m	6.55 *	4.91	4.9	3.16	3.42	2.19	2.43 *	2.43 *	7.9
-1.5 m	8.23 *	7.67	6.32 *	4.94	5.44 *	3.52	2.43 *	1.98	7.9
-3 m	7.27	4.47	4.7	2.97	3.35	2.12	2.38 *	2.38 *	8.26
	9.72 *	7.25	7.06 *	4.75	5.78 *	3.44	2.38 *	1.8	8.26
	6.85	4.11	4.5	2.8	3.26	2.04	2.43 *	2.43 *	8.32
	10.38 *	7.06	7.54 *	4.62	5.97 *	3.38	2.43 *	1.75	8.32
	6.67	3.95	4.38	2.69	3.21	1.99	2.59 *	2.59 *	8.11
	10.22 *	7.05	7.53 *	4.6	4.44 *	3.41	2.59 *	1.8	8.11
	6.66	3.93	4.35	2.66	3.23	2.01	2.91 *	2.91 *	7.59
							2.91 *	1.99	7.59



- : Rating over front.
- : Rating over side or 360°.
- 1. Lifting capacities are in compliance with ISO 10567:2007(E).
- 2. The load point is at the end of the arm.
- 3. * = The nominal loads are based on hydraulic capacity.
- 4. The nominal loads shown do not exceed 75% of tipping loads or 87% of hydraulic lifting capacity.
- 5. For lifting capacity with bucket, simply subtract the actual weight of the bucket from the values.
- 6. The configurations indicated do not necessarily reflect the standard equipment of the machine.

STANDARD AND OPTIONAL EQUIPMENT

● Standard ○ Optional

ENGINE

- Develon DL06V, Stage3a/Tier3 compliant, water-cooled diesel engine with Wastegate Turbocharger and air-to-air intercooler
- Auto-idle function
- Auto shut-off
- No EGR

HYDRAULIC SYSTEM

- Boom and arm flow regeneration
- Fine Swing mode, on or off from cab
- Swing anti-rebound valves
- Spare ports (valve)
- One-touch power boost function
- Double way line high flow + Breaker piping (PE3C)
- Smart Power Control (SPC3)
- Cylinder cushioning & contamination seals
- 2 pumps travelling
 - Clamshell piping (diverter valve from bucket cylinder)
 - Hydraulic piping low flow for rotating or tilting tool (joystick control)
 - Hydraulic piping for quick-coupler
 - Double pump flow for attachments
 - Boom suspension for travelling LIS (not compatible with fenders)
 - Electric steering system from joystick

CAB & INTERIOR

- Pressurized sound-insulated and CabSus mounted cab
- Fully adjustable air suspension seat with heater
- Air conditioning with climate control
- Pull-up type front window sun roller blind and removable lower front window
- Sliding left window
- Intermittent upper and lower windshield parallel wiper
- Rain visor
- Rear window defroster switch
- Adjustable PPC wrist control levers for arm boom bucket and swing
- Joysticks & pedal provide proportional control of auxiliary hydraulic lines
- Adjustable tiltable steering column
- Pedal for auxiliary control 1 & 2 ways
- Jog shuttle switch
- DEVELON Smart Touch – 8" touch screen, all-in-one
- Attachment management system
- Engine speed (RPM) control dial
- Automatic travel speed
- 4 operating modes & 4 working modes
- Electric horn
- Cigarette lighter
- Ceiling light
- Cup holder
- Multiple storage compartments (e.g. document holder under seat)
- Storage area (tools etc.)
- Heating and cooling lunch box
- Flat spacious easy-to-clean floor
- Remote door lock/unlock
- 12 V spare power socket
- Serial communication port for laptop PC interface
- Remote radio ON/OFF switch
- Loudspeakers and connections for radio
- DAB Radio with Bluetooth streaming and handsfree call system
 - 360° all-around view camera (AVM)
 - 360° all-around view camera (AVM)
 - Fully adjustable air suspension seat (heating & cooling)

● Standard ○ Optional

OTHER

- DX190W-7M: 5,200 mm boom – 2,600 mm arm – 3,220 kg counterweight
- DEVELON Fleet Management Web (telematic system)
- Auto shut-off fuel filler pump
- Double element air cleaner and pre-filtered Turbo dust separator
- Fuel pre-filter with water separator sensor
- Dust screen for radiator/oil cooler
- Self-diagnostic function
- Batteries (2 × 24 V, 150 Ah) – alternator (24 V, 100 A)
- Hydrostatic drive with 2-speed power shift transmission
- Remote greasing for swing circle and work group pivot points
 - DX190W-7M: 2200, 2600 and 3,100 mm arm with 5,200 mm mono boom
 - DX190W-7M : 5,440 mm articulated boom
 - DX190W-7M : 2,300 mm and 2,600 arm for articulated boom
 - DX190W-7M: 3,000 kg counterweight
 - Develon buckets: Full range of GP, HD & rock buckets
 - Develon breakers and Develon quick-couplers
 - Additional filter for breaker piping
 - Automatic lubrication system
 - Air compressor
 - Road homologation (depending on countries)

SAFETY

- Roll Over Protective Structure (ROPS)
- Boom and arm cylinder safety valves
- Overload warning device
- Large guard rails on upper structure and steps
- Rotating beacon
- Rear and side view camera
- Punched metal anti-slip plates
- Hydraulic safety lock lever
- Safety glass
- Hammer for emergency escape
- Right and left rear-view mirrors
- Lockable fuel cap and covers
- Battery cut-off switch
- Engine restart prevention system
- Emergency engine stop switch and hydraulic pump control switch
- Guard rails (ISO 2867:2011)
- Parking brake
- Automatic digging brake
- LED 7 Work lights (2 boom lamps, 3 body lamps, 2 additional lamps on cab)
 - LED Work lights 4 additional lamps (2 in the front, 2 in the rear of the cab)
- FOGS cab – top and front cab guards (ISO 10262)
- Front window upper and lower guards

UNDERCARRIAGE

- Front cradle
- Rear parallel dozer blade
- Standard undercarriage with double tires 10-20 14 PR
- Front axle oscillation lock modes (on/off/auto)
- Piston rod protection of stabilizer cylinders
- Lockable tool box (left side)
- Rear & front chain tightening eyes
 - 2 or 4 independent stabilizers with cylinder protection
 - Front parallel dozer blade and rear independent stabilizers
 - Lockable tool box (right side)
 - Fenders (not compatible with LIS)