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**DEVELON**

**DEVELON**

Excavators

**DX360LCA-7M**



Photos may include optional equipment



# BRING BACK THE SUBSTANTIVE RETURN

## DX360LCA-7M

To Reap the Most of What You've Sown

### Take On The New Shape Of A Success. Professional Partners For Both Machine Owner And Operator

To get more back what you have invested. DX360LCA-7M represents a new generation of DEVELON excavator, with application-based functionality and all-round capability. Newly released DX360LCA-7M, completion of awaited series ready to be shown.

Top performer of all spheres. DX360LCA-7M delivers extensive line of performance with optimally prepared features, to be an efficient support where it counts. Solid structure holding up the dynamic character line, both can be suitable for any rough action. Outstanding productivity, touching and intuitive cabin features along with efficient DEVELON services. DX360LCA-7M makes light work of even the toughest challenges in construction site.

**DEVELON will be the lifetime  
reliable partner to let your  
business get the most out of  
what you have invested**

#### EXTENSIVE LINE OF PERFORMANCE

DX360LCA-7M guarantees the best productivity at all job sites. Powered by a reliable DEVELON engine, which delivers unparalleled power, while improved hydraulic system get the most out of the engine power. Superior workload along with lifting capacities and traction force, all combined for the overwhelming performance.

#### CARRIED BY A SOLID STRUCTURE

DX360LCA-7M is featured by reinforced heavy-duty arm and boom with fortified undercarriage to withstand high-impact materials. Take your choice between standard undercover and heavy duty undercover. It was designed using reliable element and formed in optimal structural integrity. Ensuring long life and high uptime even in extreme job sites.





# WE ARE BACK WITH NEW FEATURES

**All the Nice Features of Previous Model  
Bodily Succeeded, Even Nicer Things to Come.**

## **HEAVY DUTY UNDERCARRIAGE**

Heavy duty X- shaped undercarriage with integrated track spring and idler. Offered with durable box section track frame. The sprocket structure and tooth have been strengthened to prevent debris and increase durability.

## **ADDITIONAL LED WORKING LAMP (OPTIONAL)**

New additional working lamp contributes to enhanced safety. Optionally available LED lamp enhances visibility through improved illumination.

## **SIDE AND REAR VIEW CAMERA (OPTIONAL)**

Side and rear-view camera keep watch in ways beyond operator's sight. Additional LED lighting system attached on each side for the clear identification.

## **INCREASED CONTROLLABILITY**

Joystick and switches integrated in control stand for precise operation. All switches grouped together and ergonomically positioned to the right.

## **OIL WASHED PRE-CLEANER (OPTIONAL)**

Oil washed-type pre-cleaner provides better filtering in dusty environments. Increase maintenance interval resulting in more uptime.

## **DEVELON FLEET MANAGEMENT (OPTIONAL)**

Offering 'preventive maintenance service' based on machine operating data. Providing an expert level consultation to dealers. Functioning as fleet management tool for the customers.

## **STRENGTHENED BOOM AND ARM**

Reinforced castings and forged steel pivot points. Reinforced heavy-duty arm and boom with new optional boom floating system. 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**

Highest efficiency filters remove water, dust & particles to protect your investment optimally.

## **ETP (ELECTRIC TRANSFER PUMP) (OPTIONAL)**

ETP changes speed of front movement depending on the hydraulic flow consumption of attachment usage. Linear and smooth control guaranteed for operational ease.





# TOP PERFORMANCE AND PRODUCTIVITY IN CLASS

## Complete Performance Solution In a Class of Its Own

DX360LCA-7M will set a new pace for productivity and profit in your operation. Delivering performance which can be adapted to your various needs, it will be a complete solution for any site. Powerful DEVELON in-house engine provides excellent force and torque characteristics, while improved hydraulic system get the most out of the engine power.

Professional partner which offers the ideal combination of power and efficiency. With DX360LCA-7M you can take even the heaviest work with ease, along with smart features. EPOS™ hydraulic system ensures the engine power to be exactly delivered.







#### **EPOS™ (ELECTRONIC POWER OPTIMIZING SYSTEM)**

The smart EPOS™ provides a perfectly synchronized communication link between the engine's electronic control unit and the hydraulic system. A CAN (Controller Area Network) system enables a constant flow of information between the engine and hydraulic system, to ensure power is delivered exactly as needed.



#### **DEVELON ENGINE (DX12)**

The DX12 is a whole new mechanical engine built on DEVELON's continuously evolving engine technology. Greater engine outputs of 238kW and impressive torque enables to precisely deliver the power you need. Our many years of experience in engine design and production have resulted in both efficient and powerful engine. Delivering greater engine output through various system improvements.



#### **X- CHASSIS UNDERCARRIAGE**

X- chassis undercarriage enables increased ground clearance and improved maneuvering ability. Sloped surface design optimized to shed debris and maximize uptime.



#### **INTEGRATED TRACK SPRING AND IDLER**

The track spring and idler have been joined directly for even greater durability and improved maintenance convenience.



# CUTTING EQUIPMENT ISSUES IN HALF

**Tested and Reliable Partner for Lifetime Working**

DX360LCA-7M cuts off the source of probable troubles by consummate quality. The fortified front and robust track are responsible for all demands.

DX360LCA-7M is a trusty partner with outstanding reliability proven by undergoing strenuous tests. Every component is engineered for uptime and extensively tested to validate its performance. Enhanced durability achieved through applying highly robust materials to structures of overall frames. The lasting technology, with structural design through analysis enable DEVELON's equipment to last under the harshest conditions.





# Heavy Duty Boom and Arm

The strong and durable structure includes a reinforced boom and arm made from high strength tensile steel for maximum reliability. Combined with thicker material, mechanical stress is equally distributed 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.



## EM BUSHING

The boom pivot is made with a highly lubricated metal to increase the lifespan and extend greasing intervals to 250 hours. cancellation and anti seizure property. Used polymer shim with hard metal disk for less abrasion.



## ABRASION-RESISTANT ARM END DISK

New disks have been adopted to increase wear resistance and service intervals.







# PRINCIPLE OF LOW COST -HIGH RETURN

**A Series of Features All Aimed for Greater Efficiency,  
Topped on Economy and Long-Term Sustainability**

To make your operations more cost-effective and profitable, the new DX360LCA-7M has been designed with a special emphasis on efficiency.

A standard auto-idle feature which automatically puts the engine and pump into the standby mode when it detects a pause. DEVELON's engine and pump matching technology, not only economical but also environmentally responsive with significantly reduced exhaust fumes.

Regulation and precise control of the flow rate required by the equipment are available as standard. DX360LCA-7M's comprehensive range of innovative technology ensure to do more with low fuel consumption and overall operating costs.





### PUMP MATCHING TECHNOLOGY

Engine and pump matching, resolves problems as the low response time of the system and unnecessary fuel consumption. Matching the response time between pump and engine efficiently reduces unnecessary fuel consumption as well as reducing exhaust fumes.

### RELIEF CUTOFF

DX360LCA-7M is equipped with a relief cutoff system. The system automatically detects excess hydraulic pressure in the cylinder and controls it by redirecting the hydraulic flow back to the main pump. Relief cutoff system distributes excessive pressure in hydraulic components to be maintained in the optimal state.

### AUTO IDLE

A standard auto-idle feature reduces engine RPM when the steering wheel or joystick isn't being used. The system automatically puts the engine and pump into the standby mode when it detects a pause during operation. The engine will be automatically switched off when the machine is inactive for a pre-set amount of time. This function helps reduce fuel consumption by lowering idling RPM.

### VBO (VIRTUAL BLEED OFF) SYSTEM

VBO system is DEVELON's own hydraulic system based on "DEVELON electronic controlled pump"

Generally, most excavators use hydraulic system, transferring the energy by using hydraulic flow. In order to facilitate the rapid response to the joystick signal, this hydraulic flow is continuously generated from the pump even when the excavator is not in operation. On the contrary, VBO system 'virtually' generates the hydraulic flow through the electronic sensor. Due to its means, customer can be benefited from VBO system in every way. Not to mention the fuel efficiency and the safe sustenance of the system, but also immediate response and familiar controllability, the strength of existing hydraulic system.



# SERENITY IN TOUGH JOB SITE

**The Ideal Workspace Perfectly Packaged  
For Both Untiring Work and Serene Break**

Operator's condition makes or breaks the whole productivity of the site. DX360LCA-7M's cabin would give operator the strength to go on. Designed to meet operational need thoroughly, with excellent visibility and improved safety.

Nothing would be missed if you are with smart operator assistance features. DX360LCA-7M included everything you could possibly need for your task. The high-definition display puts everything you need to know. Integrated switches and an intuitive joystick for optimum controllability. For both bodily comfort and peace of mind, DX360LCA-7M is designed with spacious interior, ergonomic seat and comfortable features. Work will be altogether more pleasant with cabin optimally prepared for both energetic work and relaxed break.







### 1. SMALL DETAILS ADD THE FEELING OF REFINEMENT

Heating and ventilation, Air conditioning system upgraded for pleasant environment. USB charger and sunglass case is also equipped for additional comfort. Rear sun visor is also equipped for UV protection.

### 2. SPACIOUS CABIN COMFORT

Refined interior with enhanced legroom and extendable storage space guarantees a serene ride to you. A more orderly interior Equipped with high-class designed upholstery and thoroughly changed comfort accessories. This ensures operator to have a clear and uncluttered workplace at all times.

### 3. ERGONOMIALLY DESIGNED PEDAL

Ergonomically designed pedals placed at both ends. Pedal angle adjusted to relieve the pressure on ankle and joints, Reducing fatigue and to lessen the load of operator.

### 4. ADDITIONAL WORKING LED LAMP (OPTIONAL)

New additional working lamp contributes to enhanced safety through improved illumination.

### 5. REAR VIEW CAMERA (OPTIONAL)

Rear-view camera increases safety by giving visibility beyond operator's sight. Additional LED lighting system attached on each side for the clear identification.

### 6. SIMPLE OPERATION

Precise control of the equipment increases versatility, safety and facilitates tricky operations requiring great precision. Leveling operations and the movement of lifted load made easier and safer. Joystick and Switches integrated in control stand for precise operation.



\* Option spec info is included to the images contained in this material and may not be the same with the actual specs.



# REGULAR CHECK BY SIMPLIFIED MAINTENANCE

## A Short Cut to Long-Term Gain, Cutting Cost and Extending Uptime

Easy to operate and simple to repair. Carrying out regular check and maintaining equipment is essential in order to sustain maximum performance and productivity. DX360LCA-7M is always poised for action with short maintenance operations and increased service interval of many components.

Centralized grease inlets are designed for simple routine maintenance. Extensive service network and expert assistance are also readily available, DEVELON FLEET MANAGEMENT provides you the operational machine data in an hourly cycle and broad range of service to get the most productivity of your equipment.



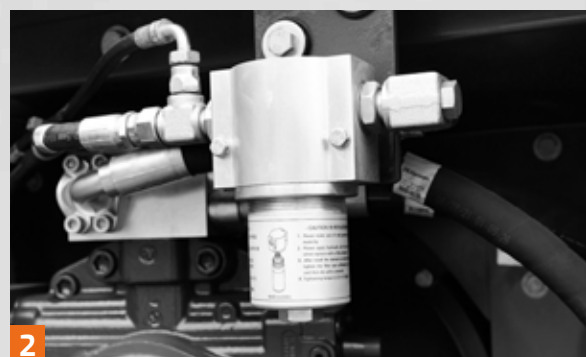




1



3



2



4

#### 1. CONVENIENT FUSE BOX

The fuse box is located in the storage compartment behind the seat, providing an organized environment and convenient access.

#### 2. HYDRAULIC OIL RETURN FILTER

Glass fiber filter technology filtering out up to 99.5 % of impurities, increasing oil change interval.

#### 3. AIR CLEANER

Air cleaner of large capacity removes 99% of airborne particles, reducing the risk of engine contamination.

#### 4. WATER SEPARATOR

Highly efficient water separator in fuel to prevent engine damage by removing moisture. Reducing the risk of external engine contamination and lengthen the engine's lifespan.

#### 5. PRE-CLEANER

Rotor type dry pre-cleaner attached as a standard option.



5

#### 6. CENTRALIZED GREASE INLETS FOR EASY MAINTENANCE

The boom & arm grease inlets are grouped for easy access. Remote grease points make it easier to lubricate hard-to-reach pins on the lift arm and articulation system.



6

#### 7. ETP (ELECTRIC TRANSFER PUMP) (OPTIONAL)

Use this switch to easily refill fuel for your machine after its inspection or repair.



7

#### 8. DEVELON FLEET MANAGEMENT (OPTIONAL)

Allowing various parameters to be checked during maintenance procedure, such as pump pressure and engine rotation speed. Parameters can be stored and printed for subsequent analysis.





# 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



| FUNCTION             |  | EXCAVATOR  | WHEEL LOADER | ADT        |
|----------------------|--|------------|--------------|------------|
| GPS                  | · Location<br>· 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<br>· 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<br>· Machine Warnings on Gauge Panel    | All models | All models   | All models |
| Fuel information     | · Fuel level<br>· Fuel consumption                   | All models | All models   | All models |
| Dump capacity        | · Dump tonnage<br>· 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).



**PDC BENEFIT**

**Distribution Cost Reduction**

**Maximum Parts Fill Rate**

**Shortest Distance/Time Parts Delivery**

**Real-time Service Support**

**Minimum Downtime**



# TECHNICAL SPECIFICATION

## ENGINE

| Model  |
|--|
| Develon DX12   |
| 2 valves per cylinder, vertical injectors, water cooled, turbo charged with air to air intercooler. The emission levels are well below the values required for phase II. |
| Number of cylinders  |
| 6  |
| Nominal flywheel power   |
| 238 kW (319 HP) @ 1,800rpm (SAE J1995, gross)<br>233 kW (312 HP) @ 1,800rpm (SAE J1349, net)   |
| Max torque   |
| 1,400 N.m @ 1,200 rpm  |
| Piston displacement  |
| 11,051 cc (353 cu.in)  |
| Bore & stroke  |
| 123 mm x 155 mm (4.8" x 6.1")  |
| Starter  |
| 24 V / 7.0 kW  |
| Batteries  |
| 2 X 12 V / 150 Ah  |
| Air cleaner  |
| Double element with auto dust evacuation.  |

## HYDRAULIC CYLINDERS

The piston rods and cylinder bodies are made of high-strength steel. A shock absorbing mechanism is fitted in all cylinders to ensure shockfree operation and extend piston life.

| Cylinders | Quantity | Bore x Rod diameter x stroke |
|-----------|----------|------------------------------|
| Boom      | 2        | 150 x 100 x 1,450 mm         |
| Arm       | 1        | 170 x 120 x 1,805 mm         |
| Bucket    | 1        | 150 x 100 x 1,300 mm         |

## ARM DIGGING FORCE

| Arm   | Length (mm) | Weight (kg) | Digging Force (Nom./ Press.Up, ton)                  |
|-------|-------------|-------------|--|
| STD.  | 3,200       | 1,285       | [SAE] 17.6 / 18.6, [ISO] 17.9 / 19.0, [kN] 176 / 186 |
| SHORT | 2,600       | 1,170       | [SAE] 21.6 / 22.8, [ISO] 22.1 / 23.4, [kN] 217 / 229 |
| LONG  | 3,950       | 1,496       | [SAE] 14.9 / 15.8, [ISO] 15.1 / 16.0, [kN] 148 / 157 |
| HD.   | 3,200       | 1,365       | [SAE] 17.6 / 18.6, [ISO] 17.9 / 19.0, [kN] 176 / 186 |

## WEIGHT

6,500 mm(21'5") HD Boom, 3,200 mm (10'6") HD Arm, 1.81 m<sup>3</sup> (2.37 yd<sup>3</sup>) H Class Bucket

| Shoe Type | Shoe width     | Operating weight      | Ground pressure (kgf/cm <sup>2</sup> ) |
|-----------|----------------|-----------------------|--|
| TG        | 600 mm (2')    | 37,600 kg (82,893 lb) | 0.72 kgf/cm <sup>2</sup>               |
| DG        | 600 mm (2')    | 21,700 kg (83,996 lb) | 0.73 kgf/cm <sup>2</sup>               |
| TG        | 700 mm (2' 4") | 38,000 kg (83,776 lb) | 0.63 kgf/cm <sup>2</sup>               |
| TG        | 800 mm (2' 6") | 38,300 kg (84,437 lb) | 0.55 kgf/cm <sup>2</sup>               |
| TG        | 850 mm (2' 8") | 38,500 kg (84,878 lb) | 0.52 kgf/cm <sup>2</sup>               |
| TG        | 900 mm (3')    | 22,300 kg (85,319 lb) | 0.50 kgf/cm <sup>2</sup>               |

## HYDRAULIC SYSTEM

The heart of the system is the EPOS™ (Electronic Power Optimizing System). It allows the efficiency of the system to be optimized for all working conditions and minimizes fuel consumption.

- The hydraulic system enables independent or combined operations.
- Two travel speeds offer either increased torque or high speed tracking.
- Cross-sensing pump system for fuel savings.
- Auto deceleration system.
- Two operating modes, two power modes.
- Button control of flow in auxiliary equipment circuits.
- Computer-aided pump power control.

| Main pumps  |
|---|
| 2 variable displacement axial piston pumps<br>Max flow: 2 x 350 l/min   |
| Pilot pump  |
| Gear pump - max flow: 24.12 l/min   |
| Maximum system pressure   |
| Boom/arm/Bucket :<br>Normal mode : 350 kgf/cm <sup>2</sup><br>Power mode : 370 kgf/cm <sup>2</sup><br>Travel : 350 kgf/cm <sup>2</sup><br>Swing : 286 kgf/cm <sup>2</sup> |

## SWING MECHANISM

- An axial piston motor with two-stage planetary reduction gear is used for the swing.
- Increased swing torque reduces swing time.
- Internal induction-hardened gear.
- Internal gear and pinion immersed in lubricant bath.
- The swing brake for parking is activated by spring and released hydraulically.

Swing speed : 0 to 9.3 rpm

## BUCKET DIGGING FORCE

| Bucket Type | Capacity (m <sup>3</sup> )                | DIGGING FORCE (NOM/PRESS UP, TON)   |
|-------------|---|-------------------------------------|
|             | SAE                                       |                                     |
| G.P.        | 1.25 / *1.28 / 1.49 / 1.61 / 1.83         | [SAE] 21.7 / 22.9 [ISO] 24.5 / 25.9 |
| H CLASS     | 1.44 / 1.66 / 1.81 / 2.03 / **2.03 / 2.32 | [SAE] 22.3 / 23.6 [ISO] 24.7 / 26.1 |
| S CLASS     | ***1.71 / 1.71 / 1.92 / 2.22              | [SAE] 21.7 / 22.9 [ISO] 24.7 / 26.1 |
| X CLASS     | 1.56 / 1.71                               |                                     |

\* : Rock Bucket    \*\* : H+ Class    \*\*\*: S+ Class

## UNDERCARRIAGE

Chassis are of very robust construction, all welded structures are designed to limit stresses. High-quality material used for durability. Lateral chassis welded and rigidly attached to the undercarriage. Track rollers lubricated for life, idlers and sprockets fitted with floating seals.

Tracks shoes made of induction-hardened alloy with double grouser. Heat-treated connecting pins. Hydraulic track adjuster with shock-absorbing tension mechanism.

| Number of rollers and track shoes per side   |
|--|
| Upper rollers : 2 (standard shoes)<br>Lower rollers: 9<br>Shoes : 48<br>Total length of track : 4,960 mm (16' 3")  |
| DRIVE  |
| Each track is driven by an independent axial piston motor through a planetary reduction gearbox.<br>Two levers with control pedals guarantee smooth travel with counterrotation on demand. |
| Travel speed (fast/slow)   |
| 5.5 / 3.4 km/h (3.4 / 2.1 mph)   |
| Maximum traction force   |
| 18.7 / 30.7 ton  |
| Maximum grade  |
| 35 (70%)   |

## BUCKET

| Bucket Type | Capacity (m <sup>3</sup> ) | Weight (kg) | Tipping Load (kg) |       |       |       | 6.5m MONO Boom |             |              | 6.2 MONO Boom |
|-------------|----------------------------|-------------|-------------------|-------|-------|-------|----------------|-------------|--------------|---------------|
|             | SAE/PCSA                   |             | 2,100             | 1,800 | 1,500 | 1,200 | 2.6m HD Arm    | 3.2m HD Arm | 3.95m HD Arm | 2.6m HD arm   |
| SLR         | 0.80                       | 616         | 2,296             | 2,056 | 1,816 | 1,576 | -              | -           | -            | -             |
| GP          | 1.25                       | 1,249       | 3,874             | 3,499 | 3,124 | 2,749 | A              | A           | A            | A             |
|             | 1.49                       | 1,344       | 4,473             | 4,026 | 3,579 | 3,132 | A              | A           | A            | A             |
|             | 1.61                       | 1,392       | 4,773             | 4,290 | 3,807 | 3,324 | A              | A           | A            | A             |
|             | 1.83                       | 1,522       | 5,365             | 4,816 | 4,267 | 3,718 | A              | A           | B            | A             |
| ROCK        | 1.28                       | 1,427       | 4,115             | 3,731 | 3,347 | 2,963 | A              | A           | A            | A             |
| R2H         | 1.44                       | 1,389       | 4,413             | 3,981 | 3,549 | 3,117 | A              | A           | A            | A             |
|             | 1.66                       | 1,489       | 4,975             | 4,477 | 3,979 | 3,481 | A              | A           | B            | A             |
|             | 1.81                       | 1,588       | 5,389             | 4,846 | 4,303 | 3,760 | A              | B           | C            | A             |
|             | 2.03                       | 1,684       | 5,947             | 5,338 | 4,729 | 4,120 | A              | B           | C            | A             |
|             | 2.32                       | 1,817       | 6,689             | 5,993 | 5,297 | 4,601 | C              | C           | D            | B             |
| R2H +       | 1.81                       | 1,685       | 5,486             | 4,943 | 4,400 | 3,857 | A              | B           | C            | A             |
|             | 2.03                       | 1,820       | 6,083             | 5,474 | 4,865 | 4,256 | B              | C           | D            | A             |
| R2S         | 1.56                       | 1,893       | 5,169             | 4,701 | 4,233 | 3,765 | A              | A           | B            | A             |
|             | 1.71                       | 1,973       | 5,564             | 5,051 | 4,538 | 4,025 | A              | B           | C            | A             |
|             | 1.92                       | 2,094       | 6,126             | 5,550 | 4,974 | 4,398 | B              | C           | D            | A             |
|             | 2.22                       | 2,309       | 6,971             | 6,305 | 5,639 | 4,973 | C              | D           | -            | B             |
|             | 2.32                       | 2,349       | 7,221             | 6,525 | 5,829 | 5,133 | C              | D           | -            | A             |
| R2S +       | 1.71                       | 2,104       | 5,695             | 5,182 | 4,669 | 4,156 | A              | B           | C            | A             |
| R2X         | 1.56                       | 2,050       | 5,326             | 4,858 | 4,390 | 3,922 | A              | A           | C            | A             |
|             | 1.71                       | 2,136       | 5,727             | 5,214 | 4,701 | 4,188 | A              | B           | C            | A             |

\* : Rock Bucket    \*\* : H+ Class    \*\*\*: S+ Class  
Based on ISO 10567 and SAE J296, arm length without quick change clamp  
A : Suitable for materials with density of 2,100kg/m<sup>3</sup> (3,500 lb/yd) or less  
B : Suitable for materials with density of 1,800kg/m<sup>3</sup> (3,000 lb/yd) or less

## ENVIRONMENT

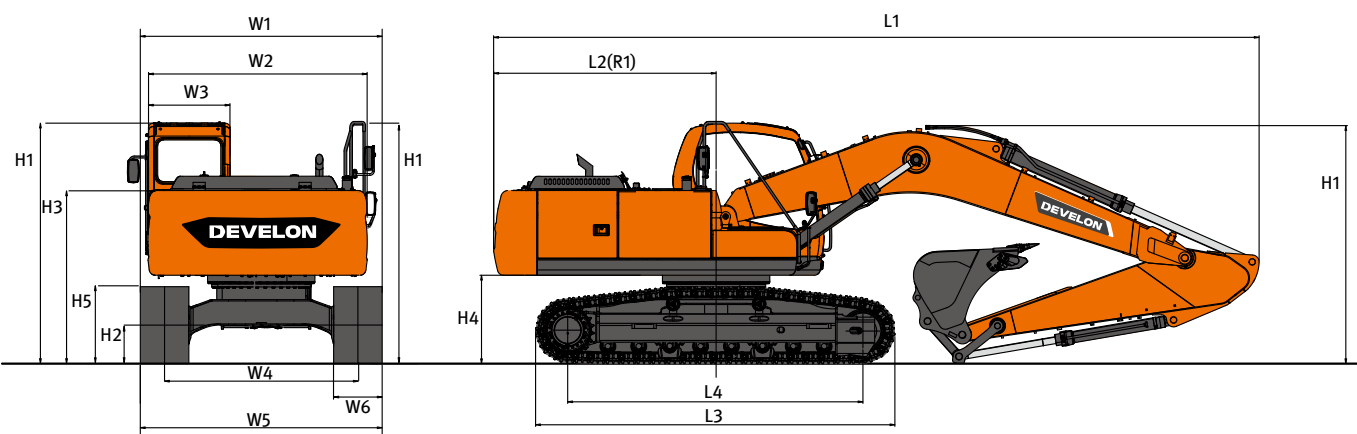
Noise levels comply with environmental regulations (dynamic values).

| Sound level guarantee  |
|--|
| 110 DB (A) (2000/14/EC)  |
| Cab sound level  |
| 74 DB (A) (ISO 6396)   |
| REFILL CAPACITIES  |
| Fuel tank  |
| 600 L (158.5 US gal)   |
| Cooling system (Radiator capacity)                                       |
| 65.6 L (17.3 US gal)   |
| Engine oil   |
| 31 L (8.1 US gal)  |
| Swing drive  |
| 8 L (2.11 US gal)  |
| Final drive (each =Travel Device = travel motor + travel reduction gear) |
| 2 X 7 L (2 X 1.85 US gal)  |
| Hydraulic tank   |
| 380 L (100.3 US gal)   |

C : Suitable for materials with density of 1,500kg/m<sup>3</sup> (2,500 lb/yd) or less  
D : Suitable for materials with density of 1,200kg/m<sup>3</sup> (2,000 lb/yd) or less  
X : Not recommended



DIMENSIONS

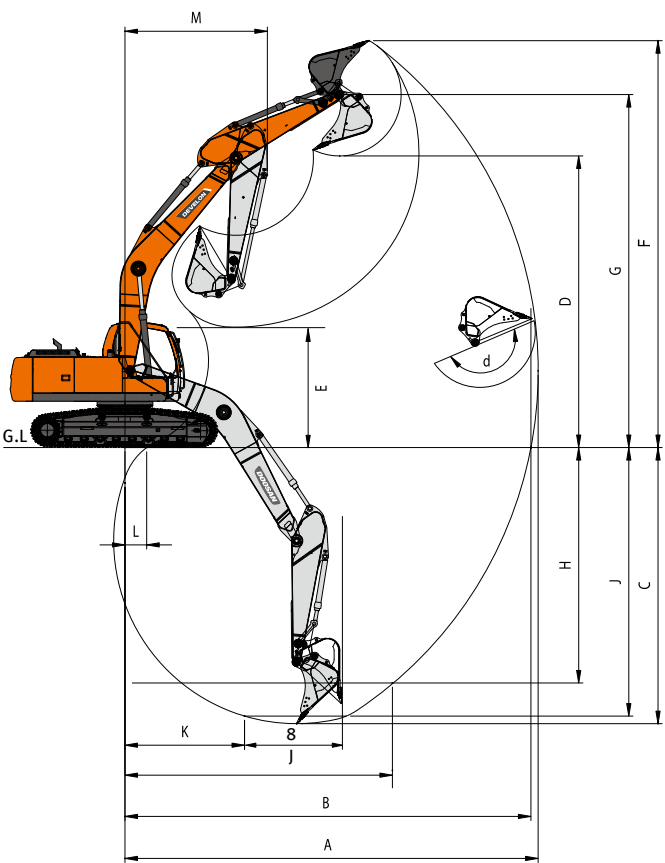


DIMENSIONS

| Model                         |         |                          |             |    | DX360LCA-7M |           |           |           |
|-------------------------------|---------|--------------------------|-------------|----|-------------|-----------|-----------|-----------|
| Dimension                     |         |                          |             |    | STD         | OPT1      | OPT2      | OPT3      |
| Boom                          |         |                          |             | mm | 6,500 HD    | 6,500 HD  | 6,500     | 6,200     |
| Arm                           |         |                          |             | mm | 3,200 HD    | 2,600     | 3,950     | 2,600     |
| Bucket (PCSA)                 |         |                          |             | m³ | 1.81 R2H    | 2.03 R2H  | 1.44 R2H  | 2.03 R2H  |
| Undercarriage (Track+Grouser) |         |                          |             | mm | LC 600 TG   | LC 600 TG | LC 600 TG | LC 600 TG |
| Overall                       | L1      | Overall Length           |             | mm | 11,315      | 11,405    | 11,343    | 11,105    |
|                               | H1      | Overall Height           | Boom        | mm | 3,255       | 3,495     | 3,315     | 3,605     |
|                               |         |                          | Hose        | mm | 3,420       | 3,640     | 3,565     | 3,705     |
|                               |         |                          | Cabin       | mm | 3,100       | 3,100     | 3,100     | 3,100     |
|                               | W1      | Overall Width (SHIPPING) |             | mm | 3,280       | 3,280     | 3,280     | 3,280     |
|                               | L2 (R1) | Rear Swing Radius        |             | mm | 3,530       | 3,530     | 3,530     | 3,530     |
|                               | H2      | Ground Clearance*        |             | mm | *475        | *475      | *475      | *475      |
| Swing Body                    | W2      | House Width              | Frame only  | mm | 2,990       | 2,990     | 2,990     | 2,990     |
|                               |         |                          | w/Protector | mm | 3,103       | 3,103     | 3,103     | 3,103     |
|                               | W3      | Cabin Width              |             | mm | 1,010       | 1,010     | 1,010     | 1,010     |
|                               | H3      | Height Over Cover        |             | mm | 2,240       | 2,240     | 2,240     | 2,240     |
|                               | H4      | Counterweight Clearance* |             | mm | *1,160      | *1,160    | *1,160    | *1,160    |
| Undercarriage                 | H5      | Track Height*            |             | mm | *970        | *970      | *970      | *970      |
|                               | L3      | Track Length             |             | mm | *4,960      | *4,960    | *4,960    | *4,960    |
|                               | L4      | Tumbler Distance         |             | mm | 4,040       | 4,040     | 4,040     | 4,040     |
|                               | W4      | Track Gauge              |             | mm | 2,680       | 2,680     | 2,680     | 2,680     |
|                               | W5      | Undercarriage Width      | STD         | mm | 3,280       | 3,280     | 3,280     | 3,280     |
|                               | W6      | Shoe Width               |             | mm | 600         | 600       | 600       | 600       |
|                               |         | Grouser Height           |             | mm | 36          | 36        | 36        | 36        |
| CAB                           | -       | Cabin Height             |             | mm | 853         | 853       | 853       | 853       |

\* Without Grouser

WORKING RANGES



WORKING RANGE

| BOOM LENGTH                   | mm | 6,500  |               |        | 6,200  |
|-------------------------------|----|--------|---------------|--------|--------|
| ARM TYPE                      | mm | 2,600  | (Std.) 3,200  | 3,950  | 2,600  |
| BUCKET TYPE (SAE / PCSA)      | m³ | 2.03 H | (Std.) 1.81 H | 1.44 H | 2.03 H |
| A MAX. DIGGING REACH          | mm | 10,540 | 11,120        | 11,930 | 10,235 |
| B MAX. DIGGING REACH (GROUND) | mm | 10,325 | 10,920        | 11,740 | 10,020 |
| C MAX. DIGGING DEPTH          | mm | 6,885  | 7,485         | 8,290  | 6,670  |
| D MAX. DUMPING HEIGHT         | mm | 8,605  | 7,220         | 7,635  | 6,640  |
| E MIN. DUMPING HEIGHT         | mm | 3,380  | 2,755         | 2,000  | 3,105  |
| F MAX. DIGGING HEIGHT         | mm | 9,910  | 10,215        | 10,815 | 9,585  |
| G MAX. BUCKET PIN HEIGHT      | mm | 8,605  | 8,875         | 9,335  | 8,295  |
| H MAX. VERTICAL WALL DEPTH    | mm | 3,715  | 4,020         | 6,830  | 3,525  |
| I MAX. RADIUS VERTICAL        | mm | 8,760  | 9,265         | 9,885  | 8,530  |
| J MAX. DIGGING DEPTH(8°LEVEL) | mm | 6,650  | 7,295         | 8,156  | 6,430  |
| K MIN. RADIUS 8° LINE         | mm | 3,260  | 3,310         | 3,380  | 3,045  |
| L MIN. DIGGING REACH          | mm | 2,245  | 795           | -290   | 1,825  |
| M MIN. SWING RADIUS           | mm | 4,445  | 4,455         | 4,515  | 4,325  |
| D. BUCKET ANGLE (DEG)         | °  | 178.4  | 178.4         | 178.4  | 178.4  |



# STANDARD & OPTION

## STANDARD EQUIPMENT

| Boom & Arm  |
|---|
| <div><div></div><div><div>• 6.5 m Boom (Heavy duty)</div><div>• 3.2 m Arm (Heavy duty)</div></div></div>  |
| Hydraulic system  |
| <div><div></div><div><div>• Boom and arm flow regeneration</div><div>• Boom and arm holding valves(MCV)</div><div>• Swing anti-rebound valves</div><div>• Spare ports (Control valve)</div><div>• One-touch power boost</div></div></div>   |
| Cabin & Interior  |
| <div><div></div><div><div>• All weather sound suppressed type cab</div><div>• Air conditioner &amp; Heater</div><div>• Adjustable suspension fabric seat with head rest and adjustable arm rest</div><div>• Pull-up type front window and removable lower front window</div><div>• Room light</div><div>• Intermittent windshield wiper</div><div>• Cup holder</div><div>• Hot &amp; Cool box</div><div>• E/G RPM control dial</div><div>• AM/FM radio + MP3 (USB)</div><div>• Remote radio ON/OFF switch</div><div>• 12V,24V power socket</div><div>• Serial communication port for laptop PC interface</div><div>• Joystick lever with 3 switches</div><div>• LCD color monitor panel (8" touch screen)</div></div></div> |

| Safety  |
|---|
| <div><div></div><div><div>• Large handrails and step</div><div>• Convex metal anti-slip plates</div><div>• Seat belt</div><div>• Hydraulic safety lock lever</div><div>• Safety glass</div><div>• Hammer for emergency escape</div><div>• Right and left rearview mirrors</div><div>• Travel alarm</div></div></div>  |
| Others  |
| <div><div></div><div><div>• Double element air cleaner</div><div>• Dry type pre cleaner</div><div>• Dust screen for radiator/oil cooler</div><div>• Engine overheat prevention system</div><div>• Engine restart prevention system</div><div>• Self-diagnostic system</div><div>• 80A Alternator (24V)</div><div>• Electric horn</div><div>• Halogen working lights (frame mounted 1, boom mounted 2)</div><div>• Hydraulic track adjuster</div><div>• Normal Track guards</div><div>• Greased and sealed track link</div><div>• Hydraulic oil tank air breather filter</div><div>• Long &amp; Fixed track</div><div>• Counterweight (71 Ton)</div></div></div> |

## OPTIONAL EQUIPMENT

Some of optional equipments may be standard in some markets. Some of this optional equipment is not available in some markets. You must check with the local DEVELON dealer to know about the availability or to release the adaptation following the needs of the applications.

| Boom & Arm   | Others   |
|--|--|
| <div><div></div><div><div>• 6.2 m Boom</div><div>• 6.5 m Boom</div><div>• 6.5 m Boom (Heavy duty)</div><div>• 2.6 m Arm</div><div>• 3.2 m Arm</div><div>• 3.95 m Arm</div><div>• 3.2 m Arm (Heavy duty)</div></div></div>  | <div><div></div><div><div>• Quick coupler</div><div>• Piping option<ul style="list-style-type: none"><li>- Piping for Two way</li><li>- Piping for Breaker</li><li>- Piping for Quick clamp</li><li>- Piping for Rotating (PERO)</li></ul></div><div>• Shoe (mm)<ul style="list-style-type: none"><li>600 DG / 700 TG / 800 TG / 850 TG / 900 TG / 600 DG</li></ul></div><div>• Lower wiper</div><div>• Fuel filler pump</div><div>• Working Lights<ul style="list-style-type: none"><li>- 4-front / 2-rear on cabin</li><li>- 2-front on cabin</li><li>- 1 on counterweight</li></ul></div><div>• Hydraulic Oil<ul style="list-style-type: none"><li>- Cold weather (VG32)</li><li>- Normal</li><li>- Tropical weather (VG68)</li></ul></div><div>• Breaker filter</div><div>• Water separator with heater</div><div>• Heavy duty under cover</div><div>• Short &amp; Fixed track</div><div>• Heavy duty &amp; Fixed track</div><div>• Develon Fleet Management</div><div>• Additional water separator</div><div>• Track guard (Full, Double, Reinforced)</div></div></div> |
| Safety   |  |
| <div><div></div><div><div>• Boom and arm hose rupture protection valve</div><div>• Overload warning device</div><div>• FOGS (ISO 10262, FOGS standard)</div><div>• Travel &amp; swing alarm</div><div>• Rotating beacon</div><div>• LED lights</div><div>• ROPS cabin</div><div>• FOGS guard</div><div>• Front lock valve</div><div>• Camera<ul style="list-style-type: none"><li>- Rear View Camera</li><li>- Side &amp; Rear View Camera</li><li>- Around View Monitor</li></ul></div></div></div> |  |
| Cabin & Interior   |  |
| <div><div></div><div><div>• Air suspension seat (ROPS cabin)</div><div>• Rain shield</div><div>• High seat mount</div><div>• Breaker pedal</div><div>• Cabin front guard (Upper and lower guard)</div><div>• Steel roof cover</div><div>• Additional mirror</div><div>• DAB Audio</div></div></div>  |  |