

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  
HDIPBE-01-2305

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Powered by Innovation

DEVELON

Construction Equipment

DX220A-2



Photos may include optional equipment



# SIMPLE AND ESSENTIAL, JUST RIGHT FOR YOUR DAILY WORK

**DX220A-2 delivers high productivity  
with outstanding fuel efficiency at a  
much more reasonable TCO  
(Total Cost of Ownership)  
than others of the same class.**

Above all, its fuel consumption per hour has been dramatically improved by up to 12%\* or more against others of the same class by using quality-proven key components along with the engine, MCV and hydraulic system, which are newly developed and enhanced. It also comes with a breaker package optimized for breaker operation only and operator's seat simply designed for greater operational focus, thereby further increasing work efficiency.



Photos may include optional equipment

\* Above result is based on internal test against the same operation weight machine.



# INTRODUCING A WHOLE NEW DX220A-2

**All the nice features of previous model bodily succeeded, even nicer things to come.**

## DEVELON DB58T15 ENGINE

- DX220A-2 runs on DEVELON DB58T15 engine, one of the most widely-used engines.
- DB58T15 engine has already gained recognition in the market for reliability, low fuel consumption and easy maintenance with quality that has been validated.

## ENHANCEMENTS TO MAIN PUMP

This main pump developed for DX220A-2 helps improve fuel economy with optimized cylinders and higher system pressures.



## QUALITY-PROVEN, RELIABLE FRAMES AND HYDRAULIC SYSTEMS

DX220A-2 is built with the frames and hydraulic systems that are proven to be high quality over a long period of time.

Count on us for all of your works. Main/bottom frames, undercarriage, swing bearing, sprocket roller, boom and arm are designed for a high degree of durability that you can rely on.

## HEAVY-DUTY FRONT

Reinforced castings and forged steel pivot points and reinforced heavy-duty arm and boom to withstand high-impact materials.

- To better protect the base of the arm, reinforced bars have been added and the arm center and end boss have been strengthened.

Travel device, swing device and center joint are also verified for their high quality.



Travel Device



Swing Device



# INTRODUCING A WHOLE NEW DX220A-2

## SATISFACTORY FUEL EFFICIENCY

The enhancements to the hydraulic systems of DX220A-2 enable you to use engine power in a more effective manner. DX220A-2 is capable of performing the same intensity of operations at much lower fuel consumption than others of the same class, significantly increasing your work efficiency.

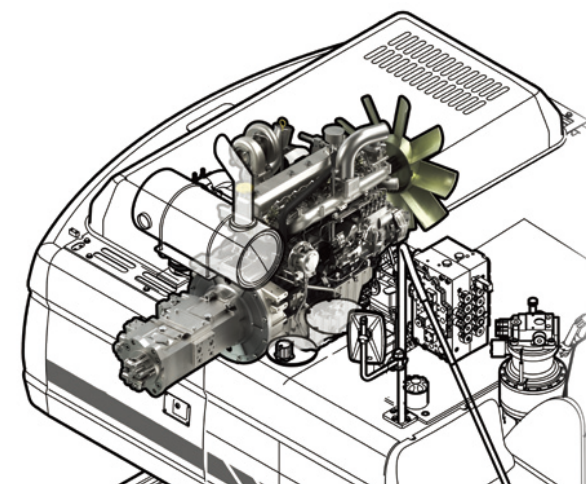
\* Above result is based on internal test, against the same operating weight machine.

## OPTIMIZED LEVER CONTROL & AUTO IDLE

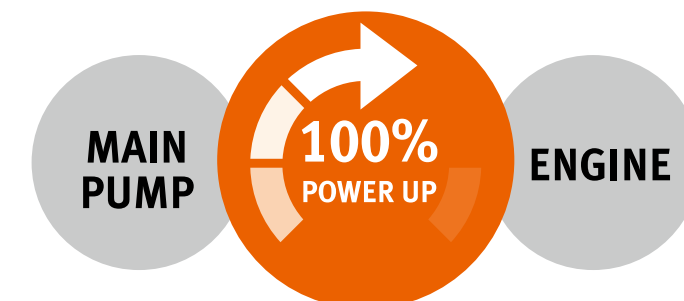
When operator takes a break and leaves the control joystick fixed, both of the engine and the pump are kept in standby mode and prevents unnecessary fuel consumption.



## PUMP MATCHING TECHNOLOGY



Engine & pump matching, the new technology of Develon, fully resolves problems; low response time of the system, unnecessary fuel consumption. Matching response time between pump and engine efficiently reduces unnecessary fuel consumption as well as exhaust fumes.





# BREAKER SYSTEM CUSTOMIZED TO YOUR BUSINESS



## DIFFERENT TYPES OF PERFORMANCE TESTINGS, ENSURING BEST BREAKER PERFORMANCE

- Performance testings of breaker carried out at actual job sites currently being operated in Korea and overseas regions
- Throughout these testings, DX220A-2 comes with a breaker that is more solid and powerful than before.
- The customers who took part in these testings were "very satisfied" with the performances of all equipment.



## BREAKER PACKAGE (OPTIONAL)

All you need to do is to just select this breaker option.

- DX220A-2 is installed with a pedal tailored for breaker and a joystick with breaker-only button.



- On top of this, the breaker return line uses its own filter that will extend the life of hydraulic components during breaker operations.
- All of these features are available to you to conduct a crushing operation as effectively as you would hope.





# A SPACIOUS CABIN WITH ENHANCED COMFORT

DX220A-2 comes with a neatly designed cabin with no redundancy in it. You never find anything that gets in the way of running your machine. Experience the comfort of working in a more spacious cabin.

## 1 MONITOR

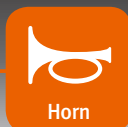
It is not confusing and complex anymore. You can get exactly the kind of information you need to know through this new monitor at ease.

## 2 COMFORTABLE JOYSTICK

With the completely redesigned joystick buttons, you can now use the most frequently used features at the tip of your fingers with this new joystick.



Work Mode



Horn

### WORK MODE SELECTOR BUTTON

Breaker mode activated when this button is pushed, a indicator light in monitor turns "On"

### HORN BUTTON

This button is for blowing a horn

## 3



Auto Idle



Breaker



Power Mode

### AUTO IDLE SELECTOR BUTTON

Auto idle system is activated when the auto idle selector button is pushed, an indicator light turns on

### BREAKER OPERATING BUTTON

When this button is pushed, hydraulic flow supplied to auxiliary hydraulic line

### POWER MODE SELECTOR BUTTON

This power mode is suitable for heavy duty work that requires a high operating speed. Push this button to turn power mode "ON" or "Off"

\* Above image may differ from actual product.



# PRIDE OF DEVELON, MAINTENANCE

DEVELON's maintenance service program is at your service and this whole new DX220A-2 is also part of it. Trust DEVELON.



## 1. PRE-CLEANER

A rotor type of pre-cleaner in DX220A-2 filters out particles larger than 20 microns with over 99% accuracy.

## 2. WATER SEPARATOR

A greater capacity of water separator helps improve engine durability.

## 3. ENHANCED RESERVE TANK

This new reserve tank, that is bigger in size and more effective in UV protection, has reduced failure risks.

## 4. GREATER COOLING CAPACITY

A larger cooling module and a longer life for your machine.



## NEW VERTICAL FUEL LEVEL SENSOR

You can get more accurate information about the remaining fuel level regardless of the product positions.



## HARNESS

Fixing connectors onto a certain location with excellent quality of harnesses further enhanced thermal resistance performance of the harnesses



## NEW GREASE VALVE FOR IDLER CYLINDER

Separate design of injection and discharge of grease reduced a failure risk in valves.





# 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<br>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.

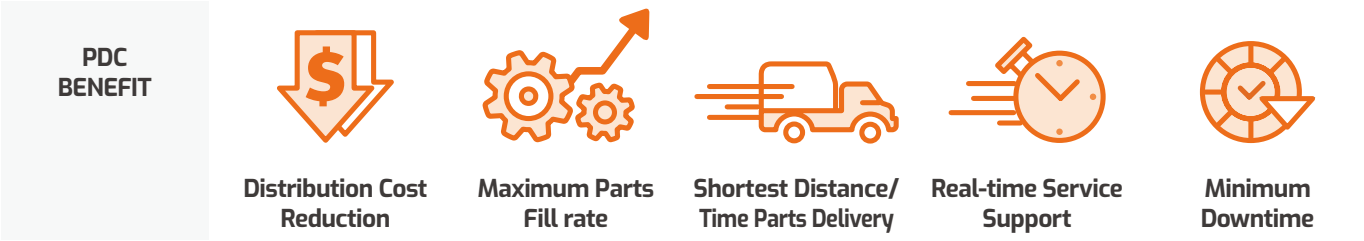


**GLOBAL NETWORK**

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).





# TECHNICAL SPECIFICATIONS

## ENGINE

|                                                                                                                                                                        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Model</b>                                                                                                                                                           |
| DEVELON DB58TIS                                                                                                                                                        |
| <b>Type</b>                                                                                                                                                            |
| 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 TIER II |
| <b>Number of cylinders</b>                                                                                                                                             |
| 6                                                                                                                                                                      |
| <b>Rated horse power</b>                                                                                                                                               |
| 113 kW (154 PS) @ 1,800 rpm (SAE J1995, Gross)<br>109 kW (148 PS) @ 1,800 rpm (SAE J1349, net)                                                                         |
| <b>Max torque</b>                                                                                                                                                      |
| 66 kgf.m @ 1,400 rpm                                                                                                                                                   |
| <b>Piston displacement</b>                                                                                                                                             |
| 5,785cc                                                                                                                                                                |
| <b>Bore x stroke</b>                                                                                                                                                   |
| Ø 102 mm x 118 mm                                                                                                                                                      |
| <b>STARTING MOTOR</b>                                                                                                                                                  |
| 24 V x 4.5 kW                                                                                                                                                          |
| <b>Batteries</b>                                                                                                                                                       |
| 24 V (12 V x 2 / 100 AH)                                                                                                                                               |
| <b>Air cleaner</b>                                                                                                                                                     |
| Double element                                                                                                                                                         |

## WEIGHT

5.7 m Heavy Duty Boom, 2.9 m Heavy Duty Arm, 0.92 m3 Bucket, 3.8 Ton Counterweight

| Shoe width (mm) | Ground pressure    |                     | Machine Weight |                 |
|-----------------|--------------------|---------------------|----------------|-----------------|
|                 | LC Track (kgf/cm²) | STD Track (kgf/cm²) | Track (Ton)    | STD Track (Ton) |
| 600             | 0.45               | 0.49                | 21.3           | 20.8            |
| 800             | 0.35               | 0.38                | 22.0           | 21.4            |

## BUCKET

LC Track, 3.8 Ton Counterweight, 600 mm Shoe

| Bucket type                            | Capacity | Width      |             | Weight (kg) | 6.7 HD   |               |
|----------------------------------------|----------|------------|-------------|-------------|----------|---------------|
|                                        | SAE/PCSA | W/O cutter | With cutter |             | 2.4m Arm | 2.9m Arm (HD) |
| GP                                     | 0.92     | 1,316      | 1,379       | 871         | A        | A             |
|                                        | 1.05     | 1,458      | 1,509       | 930         | A        | A             |
| H Class                                | 0.92     | 1,050      | 1,096       | 867         | A        | B             |
|                                        | 1.08     | 1,200      | 1,246       | 939         | B        | C             |
|                                        | 1.40     | 1,500      | 1,546       | 1,101       | D        | -             |
| Maximum load pin-on (payload + bucket) |          |            |             |             | 3,017    | 2,755         |

Based on ISO 10567 and SAE J296, arm length without quick change clamp  
A : Suitable for materials with density of 2,100 kg/m3 (3,500 lb/yd3) or less  
C : Suitable for materials with density of 1,500 kg/m3 (2,500 lb/yd3) or less  
- : Not recommended  
B : Suitable for materials with density of 1,800 kg/m3 (3,000 lb/yd3) or less  
D : Suitable for materials with density of 1,200 kg/m3 (2,000 lb/yd3) or less

## HYDRAULIC SYSTEM

|                                                                                                                                                         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Main pumps</b>                                                                                                                                       |
| Swash Plate, Axial Piston<br>Max. Flow : 2 x 207 l/min<br>Displacement : 115 X 2 cc/rev                                                                 |
| <b>Pilot pump</b>                                                                                                                                       |
| Gear pump - max flow : 27 l/min<br>Pilot pump : 15 cc/rev                                                                                               |
| <b>Main relief Pressure</b>                                                                                                                             |
| Maximum system pressure : 350 kgf/cm²<br>Main system pressure : 350kgf/cm²<br>Travel system pressure : 350kgf/cm²<br>Swing system pressure : 270kgf/cm² |

## 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 shock-free operation and extend piston life.

| Cylinders | Quantity | Bore x Rod diameter x stroke |
|-----------|----------|------------------------------|
| Boom      | 2        | 120 X 85 X 1,263 mm          |
| Arm       | 1        | 135 X 95 X 1,450 mm          |
| Bucket    | 1        | 135 X 95 X 1,450 mm          |

## 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 triple grousers. Heat-treated connecting pins.Hydraulic track adjuster with shock-absorbing tension mechanism.

**Upper rollers** - 2

**Lower rollers** - 8 for LC track, 7 for STD track

**Track shoes** - 49 for LC track, 45 for STD track

**Overall track length** - 4,445 mm for LC track, 4,065 mm for STD track

## SWING MECHANISM

High-torque, axial piston motor with planetary reduction gear bathed in oil. Swing circle is singlerow, shear type ball bearing with induction-hardened internal gear. Internal gear and pinion gear immersed in lubricant.

**Swing speed** - 10.9 rpm

**Swing Torque** - 6.46 ton.m

## DRIVE

Each track is driven by an independent, high-torque, axial piston motor through planetary reduction gear. Two levers or foot pedal control provide smooth travel or counter-rotation upon demand.

**Travel speed (High / low)** - 3.01 / 5.56 km/h

**Maximum traction force** - 22.50 / 10.28 ton

**Gradeability** - 70%

## REFILL CAPACITIES

**Fuel tank** - 620 l

**Cooling system (radiator capacity)** - 44.7 l

**Engine oil** - 31 l

**Swing drive** - 2 x 4 l

**Final drive** - 2 x 10 l

**Hydraulic tank** - 550 l

## BUCKET DIGGING FORCES

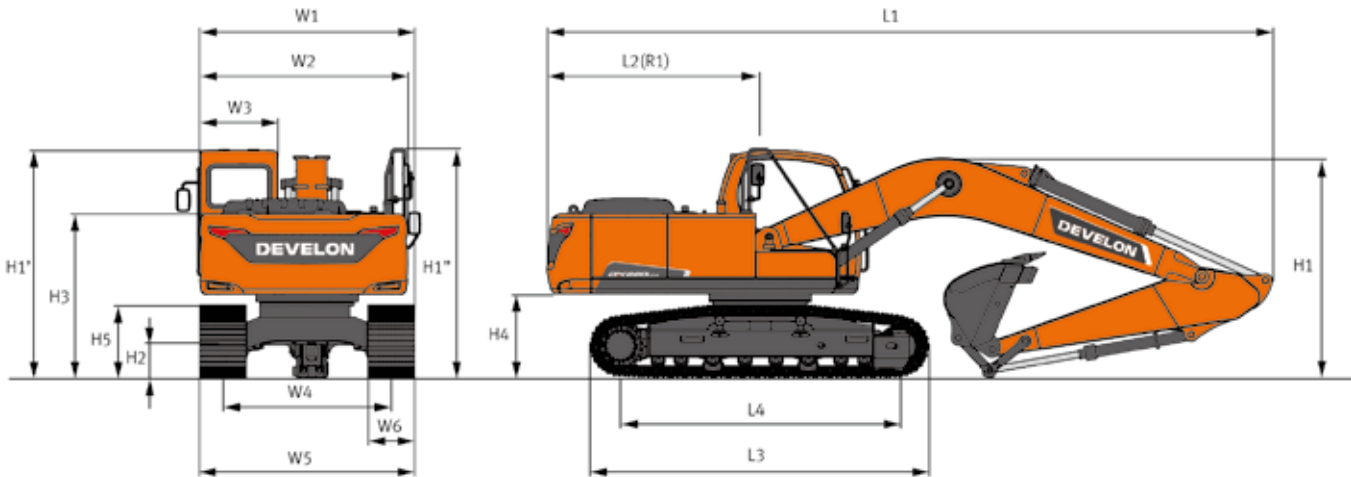
| Bucket Type | Capacity (m³) | Width (mm)  |            | Digging force (Ton)    |
|-------------|---------------|-------------|------------|------------------------|
|             | SAE/PCSA      | With Cutter | W/O Cutter |                        |
| GP          | 0.92          | 1,316       | 1,367      | [SAE] 12.6, [ISO] 14.0 |
|             | 1.05          | 1,458       | 1,509      |                        |
| H - Class   | 0.92          | 1,050       | 1,096      | [SAE] 12.6, [ISO] 14.  |
|             | 1.08          | 1,200       | 1,246      |                        |
|             | 1.40          | 1,500       | 1,546      |                        |

## ARM DIGGING FORCES

| Arm       | Length (mm) | Weight (kg) | Digging Force (ton)    |
|-----------|-------------|-------------|------------------------|
| HD Arm    | 2,900       | 751         | [SAE] 9.5, [ISO] 9.9   |
| SHORT Arm | 2,400       | 669         | [SAE] 11.0, [ISO] 11.5 |



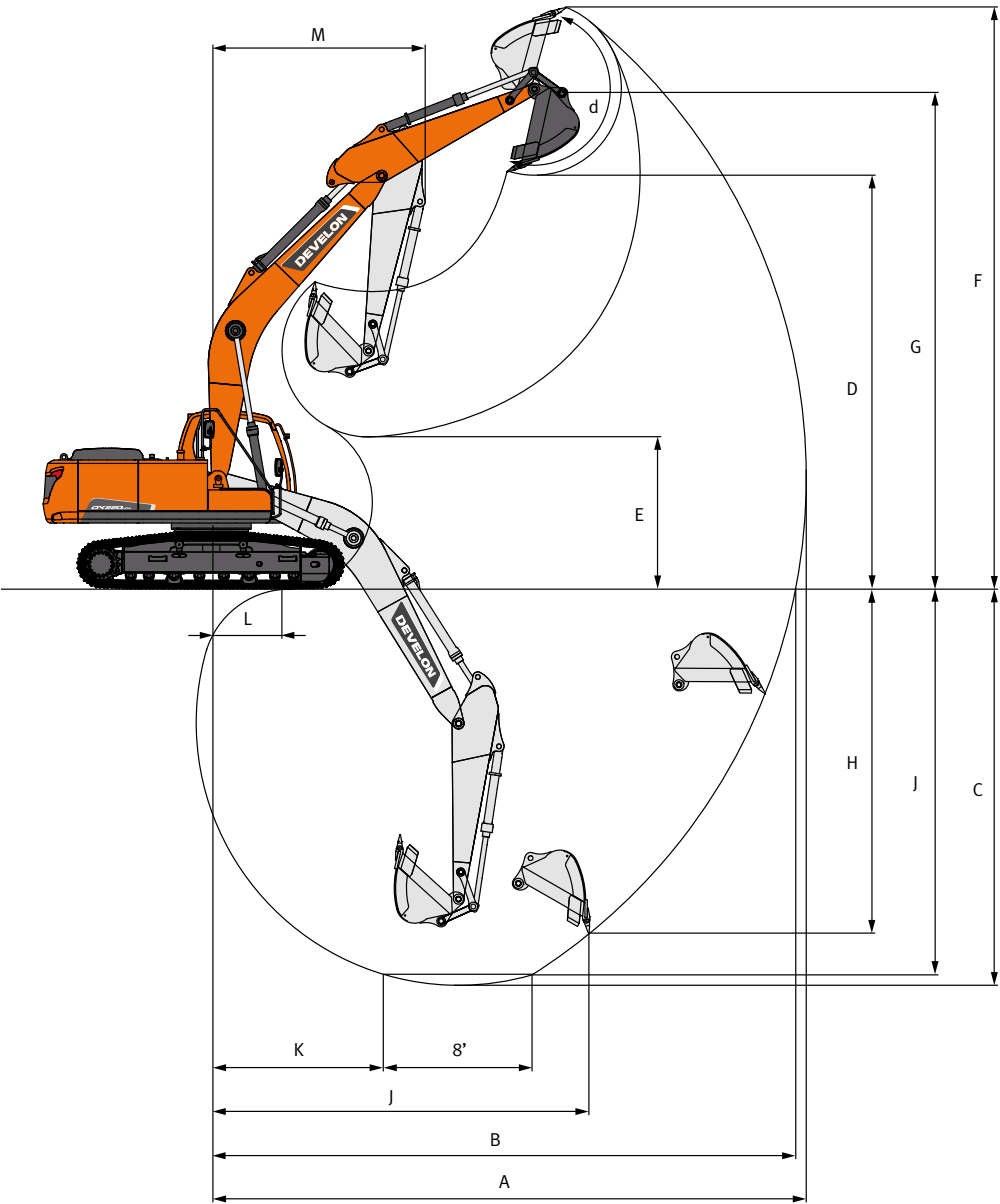
# DIMENSIONS



## STANDARD

|                             |                 |      |    |         |       |
|-----------------------------|-----------------|------|----|---------|-------|
| Boom type                   |                 | (mm) |    | 5,700   |       |
| Arm type                    |                 | (mm) |    | 2,900   | 2,400 |
| Bucket type (SAE/PCSA)      |                 | (m³) |    | 0.92    | 1.05  |
| Overall Length              |                 | (mm) | L1 | 9,505   | 9,545 |
| Overall Height              | Boom            | (mm) | H1 | 2,860   | 2,960 |
|                             | Hose            | (mm) |    | 3,005   | 3,125 |
|                             | Cabin           | (mm) |    | 2,955   | ←     |
|                             | Hand/Guard Rail | (mm) |    | 2,990   | ←     |
| Overall Width               |                 | (mm) | W1 | 2,990   | ←     |
| Rear Swing Radius           |                 | (mm) | R1 | 2,840   | ←     |
| Ground Clearance *          |                 | (mm) | H2 | * 450.5 | ←     |
| Rear End Distance           |                 | (mm) | L2 | 2,792   | ←     |
| House Width                 |                 | (mm) | W2 | 2,710   | ←     |
| Cabin Width                 |                 | (mm) | W3 | 1,010   | ←     |
| Height Over Cover           |                 | (mm) | H3 | 2,113   | ←     |
| Counterweight Clearance *   |                 | (mm) | H4 | * 1,066 | ←     |
| Track Height *              |                 | (mm) | H5 | * 883   | ←     |
| Track Length (LC Track)     |                 | (mm) | L3 | 4,445   | ←     |
| Track Length (STD Track)    |                 | (mm) | L3 | 4,065   |       |
| Tumbler Distance (LC Track) |                 | (mm) | L4 | 3,650   | ←     |
| Track Gauge                 |                 | (mm) | W4 | 2,390   |       |
| Undercarriage Width         |                 | (mm) | W5 | 2,990   |       |
| Shoe Width                  |                 | (mm) | W6 | 600     |       |
| Grouser Height              |                 | (mm) |    | 26      | ←     |

(NOTE) \* - Without Track Shoe Grouser

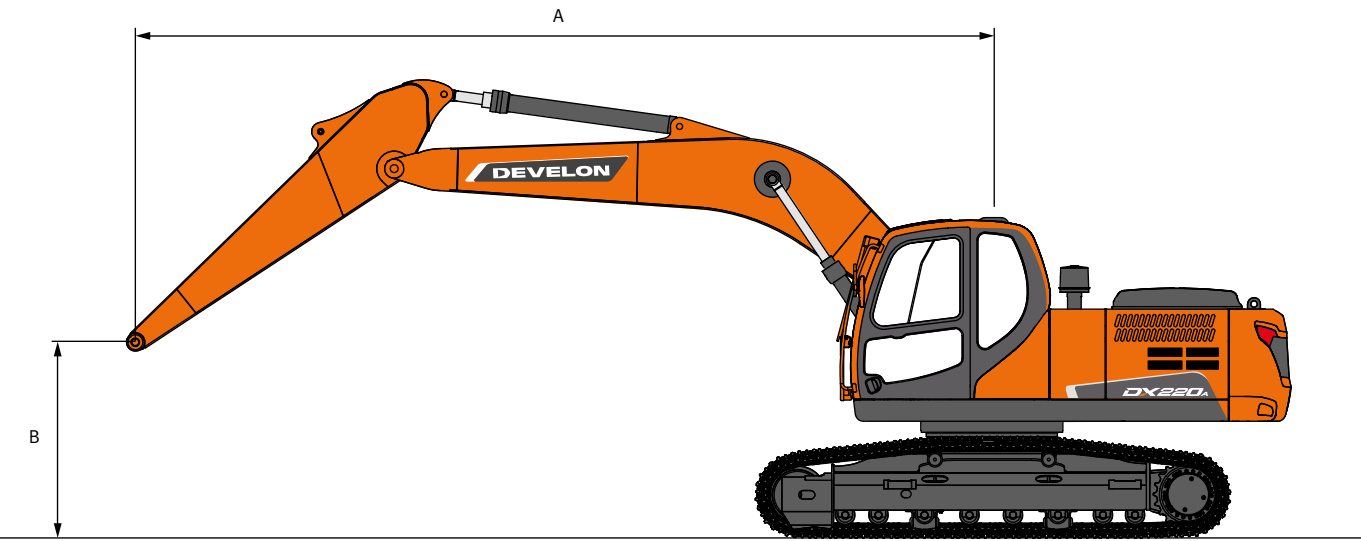


## WORKING RANGES

|                             |  |       |   |       |       |
|-----------------------------|--|-------|---|-------|-------|
| Boom Type (One Piece)       |  | (mm)  |   | 5,700 |       |
| Arm Type                    |  | (mm)  |   | 2,900 | 2,400 |
| Bucket Type (SAE/PCSA)      |  | (m³)  |   | 0.92  | 1.05  |
| Max. Digging Reach          |  | (mm)  | A | 9,875 | 9,390 |
| Max. Digging Reach (Ground) |  | (mm)  | B | 9,700 | 9,210 |
| Max. Digging Depth          |  | (mm)  | C | 6,595 | 6,095 |
| Max. Loading Height         |  | (mm)  | D | 6,840 | 6,690 |
| Min. Loading Height         |  | (mm)  | E | 2,500 | 2,995 |
| Max. Digging Height         |  | (mm)  | F | 9,625 | 9,495 |
| Max. Bucket Pin Height      |  | (mm)  | G | 8,280 | 8,130 |
| Max. Vertical Wall Depth    |  | (mm)  | H | 5,735 | 5,410 |
| Max. Radius Vertical        |  | (mm)  | I | 6,180 | 5,910 |
| Max. Depth To 2,500mm Line  |  | (mm)  | J | 6,410 | 5,860 |
| Min. Radius 2,500mm Line    |  | (mm)  | K | 2,860 | 2,790 |
| Min. Digging Reach          |  | (mm)  | L | 117   | 975   |
| Min. Swing Radius           |  | (mm)  | M | 3,555 | 3,575 |
| Bucket Angle                |  | (deg) | d | 177   | 177   |



# LIFTING CAPACITY



## STANDARD

### Metric

Boom : 5,700 mm (18' 7")    Arm : 2,900 mm (9' 5")    Shoe : 600 mm (2' 0")    Counter Weight : 3,840 kg (8,466 lb)    STD track    Unit : 1,000kg

| A(m)<br>B(m) | 1.5     |         | 3       |        | 4.5    |      | 6      |      | 7.5  |      | Max. Reach |        | A(m) |
|--------------|---------|---------|---------|--------|--------|------|--------|------|------|------|------------|--------|------|
|              |         |         |         |        |        |      |        |      |      |      |            |        |      |
| 7.5          |         |         |         |        |        |      | 4.66 * | 4.61 |      |      | 4.05 *     | 4.05 * | 6.20 |
| 6            |         |         |         |        |        |      | 4.81 * | 4.61 |      |      | 3.76 *     | 3.25   | 7.31 |
| 4.5          |         |         |         |        |        |      | 5.27 * | 4.43 | 4.53 | 3.06 | 3.70 *     | 2.73   | 7.99 |
| 3            |         |         |         |        | 7.72 * | 6.38 | 5.99 * | 4.17 | 4.41 | 2.95 | 3.71       | 2.46   | 8.35 |
| 1.5          |         |         |         |        | 9.15 * | 5.85 | 5.97   | 3.91 | 4.28 | 2.83 | 3.59       | 2.36   | 8.42 |
| 0            |         |         | 5.70 *  | 5.70 * | 8.95   | 5.56 | 5.78   | 3.73 | 4.18 | 2.73 | 3.67       | 2.4    | 8.23 |
| -1.5         | 6.22 *  | 6.22 *  | 9.82 *  | 9.82 * | 8.86   | 5.49 | 5.7    | 3.66 | 4.16 | 2.71 | 3.99       | 2.61   | 7.74 |
| -3           | 10.59 * | 10.59 * | 12.38 * | 10.69  | 8.88 * | 5.56 | 5.75   | 3.71 |      |      | 4.76       | 3.11   | 6.88 |
| -4.5         |         |         | 9.38 *  | 9.38 * | 6.84 * | 5.81 |        |      |      |      | 5.20 *     | 4.4    | 5.51 |

### Feet

Unit : 1,000 lb

| A(ft)<br>B(ft) | 5       |         | 10      |         | 15      |       | 20      |       | 25   |      | Max. Reach |        | A(m)  |
|----------------|---------|---------|---------|---------|---------|-------|---------|-------|------|------|------------|--------|-------|
|                |         |         |         |         |         |       |         |       |      |      |            |        |       |
| 25             |         |         |         |         |         |       | 10.26 * | 10.16 |      |      | 8.92 *     | 8.92 * | 20.33 |
| 20             |         |         |         |         |         |       | 10.61 * | 10.16 |      |      | 8.29 *     | 7.16   | 23.97 |
| 15             |         |         |         |         |         |       | 11.61 * | 9.77  | 10   | 6.75 | 8.16 *     | 6.01   | 26.21 |
| 10             |         |         |         |         | 17.02 * | 14.07 | 13.20 * | 9.19  | 9.73 | 6.51 | 8.18       | 5.43   | 27.39 |
| 5              |         |         |         |         | 20.17 * | 12.89 | 13.17   | 8.62  | 9.44 | 6.23 | 7.92       | 5.21   | 27.64 |
| 0              |         |         | 12.56 * | 12.56 * | 19.73   | 12.26 | 12.73   | 8.23  | 9.22 | 6.03 | 8.09       | 5.3    | 26.99 |
| -5             | 13.71 * | 13.71 * | 21.66 * | 21.66 * | 19.54   | 12.1  | 12.56   | 8.07  | 9.17 | 5.98 | 8.8        | 5.75   | 25.38 |
| -10            | 23.34 * | 23.34 * | 27.29 * | 23.57   | 19.58 * | 12.26 | 12.67   | 8.17  |      |      | 10.49      | 6.86   | 22.59 |
| -15            |         |         | 20.68 * | 20.68 * | 15.09 * | 12.81 |         |       |      |      | 11.46 *    | 9.71   | 18.07 |

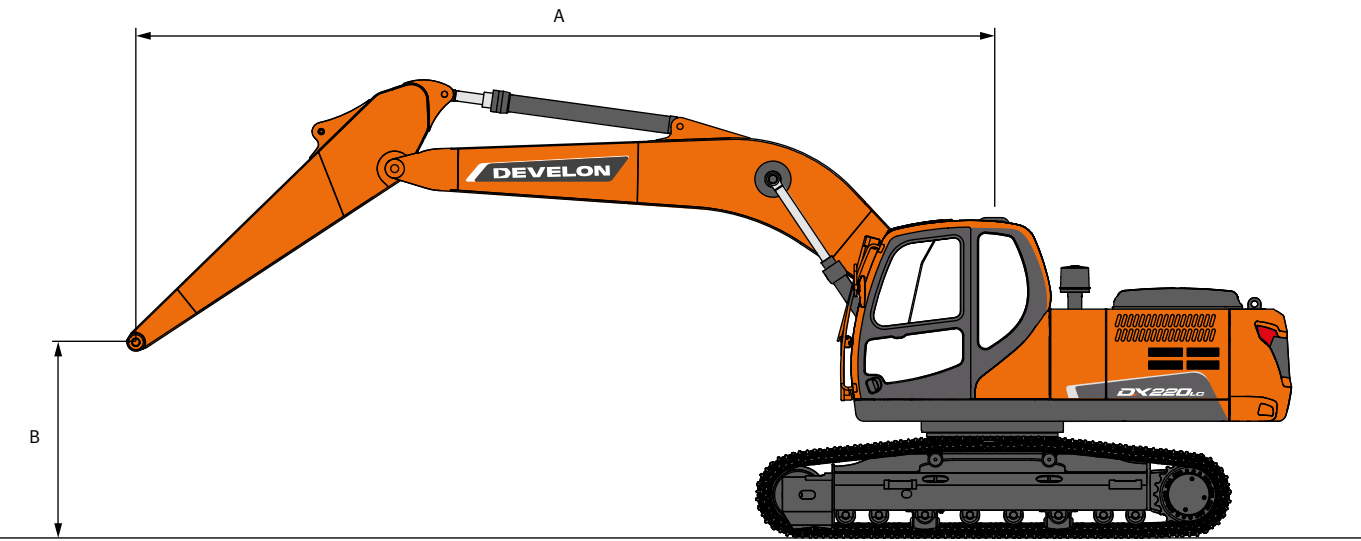
- Load point is the end of the arm.
- Capacities marked with an asterisk (\*) are limited by hydraulic capacities.
- Lift capacities shown do not exceed 75 % of minimum tipping loads or 87 % of hydraulic capacities.
- The least stable position is over the side.
- Lift capacities apply only to the machine as originally manufactured and normally equipped by the manufacturer.
- Lift capacities are in compliance with iso 10567.



: Rating Over Front



: Rating Over Side or 360 Degree



## OPTION

### Metric

Boom : 5,700 mm (18' 7")    Arm : 2,900 mm (9' 5")    Shoe : 800 mm (2' 6")    Counter Weight : 3,840 kg (8,466 lb)    LC track    Unit : 1,000kg

| A(m)<br>B(m) | 1.5     |         | 3       |        | 4.5    |      | 6      |        | 7.5    |      | Max. Reach |        | A(m) |
|--------------|---------|---------|---------|--------|--------|------|--------|--------|--------|------|------------|--------|------|
|              |         |         |         |        |        |      |        |        |        |      |            |        |      |
| 7.5          |         |         |         |        |        |      | 4.66 * | 4.66 * |        |      | 4.05 *     | 4.05 * | 6.20 |
| 6            |         |         |         |        |        |      | 4.81 * | 4.81 * |        |      | 3.76 *     | 3.53   | 7.31 |
| 4.5          |         |         |         |        |        |      | 5.27 * | 4.81   | 4.85 * | 3.33 | 3.70 *     | 2.97   | 7.99 |
| 3            |         |         |         |        | 7.72 * | 7    | 5.99 * | 4.54   | 4.98   | 3.22 | 3.80 *     | 2.69   | 8.35 |
| 1.5          |         |         |         |        | 9.15 * | 6.45 | 6.71 * | 4.28   | 4.85   | 3.09 | 4.05 *     | 2.59   | 8.42 |
| 0            |         |         | 5.70 *  | 5.70 * | 9.83 * | 6.15 | 6.61   | 4.1    | 4.74   | 3    | 4.15       | 2.63   | 8.23 |
| -1.5         | 6.22 *  | 6.22 *  | 9.82 *  | 9.82 * | 9.74 * | 6.08 | 6.53   | 4.03   | 4.72   | 2.98 | 4.52       | 2.86   | 7.74 |
| -3           | 10.59 * | 10.59 * | 12.38 * | 12.09  | 8.88 * | 6.16 | 6.58 * | 4.07   |        |      | 5.38 *     | 3.41   | 6.88 |
| -4.5         |         |         | 9.38 *  | 9.38 * | 6.84 * | 6.41 |        |        |        |      | 5.20 *     | 4.83   | 5.51 |

### Feet

Unit : 1,000 lb

| A(ft)<br>B(ft) | 5       |         | 10      |         | 15      |       | 20      |         | 25      |      | Max. Reach |        | A(m)  |
|----------------|---------|---------|---------|---------|---------|-------|---------|---------|---------|------|------------|--------|-------|
|                |         |         |         |         |         |       |         |         |         |      |            |        |       |
| 25             |         |         |         |         |         |       | 10.26 * | 10.26 * |         |      | 8.92 *     | 8.92 * | 20.33 |
| 20             |         |         |         |         |         |       | 10.61 * | 10.61 * |         |      | 8.29 *     | 7.78   | 23.97 |
| 15             |         |         |         |         |         |       | 11.61 * | 10.61   | 10.70 * | 7.34 | 8.16 *     | 6.55   | 26.21 |
| 10             |         |         |         |         | 17.02 * | 15.43 | 13.20 * | 10.02   | 10.99   | 7.09 | 8.37 *     | 5.94   | 27.39 |
| 5              |         |         |         |         | 20.17 * | 14.22 | 14.79 * | 9.44    | 10.68   | 6.82 | 8.92 *     | 5.71   | 27.64 |
| 0              |         |         | 12.56 * | 12.56 * | 21.68 * | 13.57 | 12.73   | 9.04    | 10.46   | 6.61 | 9.15       | 5.81   | 26.99 |
| -5             | 13.71 * | 13.71 * | 21.66 * | 21.66 * | 21.47 * | 13.4  | 14.57   | 8.88    | 10.4    | 6.56 | 9.97       | 6.31   | 25.38 |
| -10            | 23.34 * | 23.34 * | 27.29 * | 26.64   | 19.58 * | 13.57 | 14.51 * | 8.98    |         |      | 11.85 *    | 7.52   | 22.59 |
| -15            |         |         | 20.68 * | 20.68 * | 15.09 * | 14.13 |         |         |         |      | 11.46 *    | 10.64  | 18.07 |

- Load point is the end of the arm.
- 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.



: Rating Over Front



: Rating Over Side or 360 Degree



# STANDARD & OPTION

## STANDARD EQUIPMENT

|                                                                                                                                                                                                                                                                                                                                              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Fronts</b>                                                                                                                                                                                                                                                                                                                                |
| <ul style="list-style-type: none"><li>• 5.7 m Heavy Duty Boom</li><li>• 2.9 m Heavy Duty Arm</li></ul>                                                                                                                                                                                                                                       |
| <b>Hydraulic system</b>                                                                                                                                                                                                                                                                                                                      |
| <ul style="list-style-type: none"><li>• Boom and Arm flow regeneration</li><li>• Boom and Arm holding valves</li><li>• Swing anti-rebound valves</li></ul>                                                                                                                                                                                   |
| <b>Cabin &amp; Interior</b>                                                                                                                                                                                                                                                                                                                  |
| <ul style="list-style-type: none"><li>• Viscous cab mounts</li><li>• E/G RPM control dial</li><li>• Serial communication port for laptop PC interface</li><li>• Cup holder</li><li>• Seat belt</li><li>• 12V spare power socket</li><li>• Room light</li><li>• All weather sound suppressed type CAB.</li><li>• Viscous cab mounts</li></ul> |
| <b>Safety</b>                                                                                                                                                                                                                                                                                                                                |
| <ul style="list-style-type: none"><li>• Handrail and step</li><li>• Safety glass</li><li>• Hammer for emergency escape</li><li>• Battery protector cover</li></ul>                                                                                                                                                                           |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Others</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <ul style="list-style-type: none"><li>• Double element air cleaner with two stage filtration</li><li>• Dry type Pre Air Cleaner</li><li>• Two stage water separator</li><li>• Fuel filter</li><li>• Engine overheat prevention system</li><li>• Engine restart prevention system</li><li>• Self-diagnostic system</li><li>• Alternator (24 V, 60 A)</li><li>• Electric horn</li><li>• Working lights (1 boom mounted, 1 storage box mounted)</li><li>• Hydraulic track adjuster</li><li>• Track guards</li><li>• Greased and sealed track link</li><li>• Hydraulic oil tank air breather filter</li></ul> |

## 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

|                                                                                                                                                                                                                                                                                                                                                                                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Arm</b>                                                                                                                                                                                                                                                                                                                                                                     |
| <ul style="list-style-type: none"><li>• 2.4m Mass Excavation Arm</li></ul>                                                                                                                                                                                                                                                                                                     |
| <b>Bucket</b>                                                                                                                                                                                                                                                                                                                                                                  |
| <ul style="list-style-type: none"><li>• 0.92 m<sup>3</sup> General Duty Bucket</li><li>• 1.05 m<sup>3</sup> General Duty Bucket</li><li>• 0.92 m<sup>3</sup> H Class Bucket</li><li>• 1.08 m<sup>3</sup> H Class Bucket</li><li>• 1.4 m<sup>3</sup> H Class Bucket</li><li>• 0.92 m<sup>3</sup> H Class Bucket_Flat</li><li>• 1.17 m<sup>3</sup> H Class Bucket_Flat</li></ul> |
| <b>Auxiliary Hydraulic</b>                                                                                                                                                                                                                                                                                                                                                     |
| <ul style="list-style-type: none"><li>• One-way for Hammer</li><li>• Hydraulic Filter for One-way return line</li></ul>                                                                                                                                                                                                                                                        |

|                                                                                                                                                                                                                                                                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Undercarriage</b>                                                                                                                                                                                                                                                         |
| <ul style="list-style-type: none"><li>• Long &amp; Fixed Track</li><li>• Standard &amp; Fixed Track</li><li>• Undercover for Track Frame</li><li>• 600 mm / 700 mm / 800 mm Triple Grouser Shoe</li></ul>                                                                    |
| <b>Cabin Sub Group</b>                                                                                                                                                                                                                                                       |
| <ul style="list-style-type: none"><li>• Mechanical type Suspension Seat</li><li>• Upper and Lower Guard</li><li>• Side Mirror</li><li>• 2 Working lamp</li><li>• Wiper</li><li>• MP3 Radio</li><li>• Air Conditioner and Heater</li><li>• DEVELON Fleet Management</li></ul> |

## DEVELON HB Breaker

HB series Breaker is designed for mainly focusing on breaking job. DEVELON's focus is to optimize impact power, enhance durability, satisfy customer convenience and maintain easily in order to be faithful to the original function of hydraulic breaker.



\* Housing / Top / Side type bracket are available

### Technical Specification

| Model | Weight [kg] | Tool dia. [mm] | Oil Flow [l/min] | Operating Pressure [kg/cm2] | Frequency [bpm] |
|-------|-------------|----------------|------------------|-----------------------------|-----------------|
| HB20  | 112         | 135            | 130 ~ 150        | 160 ~ 200                   | 400 ~ 800       |