

# DEVELON

## DX800 HD

Bucket:4.64-5.58m<sup>3</sup> | Rated power:402kW/2,100rpm | Operating weight:80,000kg





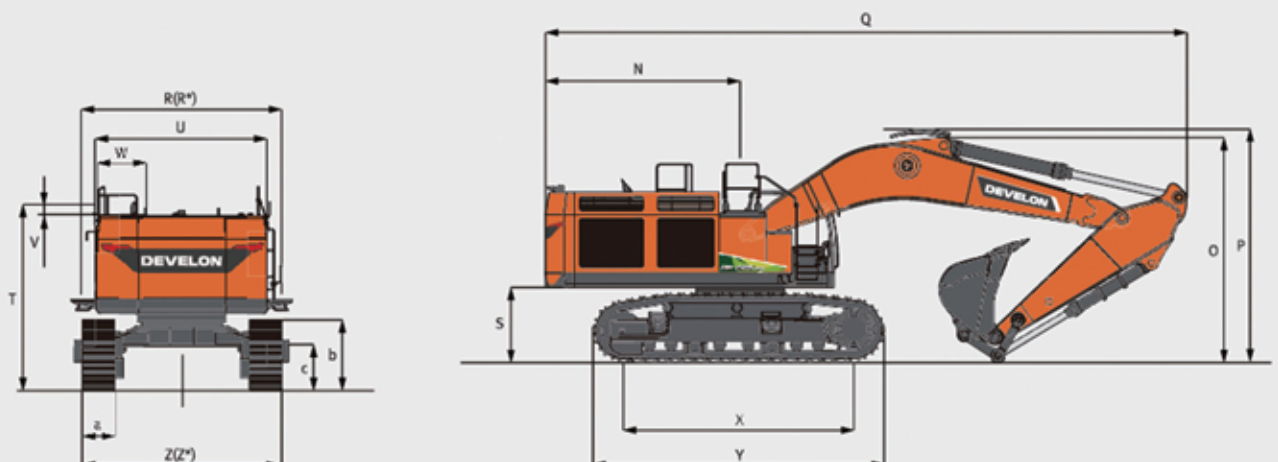
# Technical Parameter

Model

**DX800HD**

| External dimensions                                 |   |                   |             |             |
|-----------------------------------------------------|---|-------------------|-------------|-------------|
| Moving arm                                          |   | (mm)              | 6,650       | 7,700       |
| Forearm                                             |   | (mm)              | 2,900       | 2,900       |
| Bucket                                              |   | (m <sup>3</sup> ) | 5.58        | 4.64        |
| Tail turning radius                                 | N | (mm)              | 4,100       | 4,100       |
| Transportation height (boom)                        | O | (mm)              | 4,905       | 4,420       |
| Transport height (hose)                             | P | (mm)              | 5,125       | 4,690       |
| Transportation length                               | Q | (mm)              | 12,320      | 13,370      |
| Transportation width (standard)                     | R | (mm)              | 3,560       | 3,560       |
| Minimum ground clearance of counterweight           | S | (mm)              | 1,490       | 1,490       |
| Total height (cab)                                  | T | (mm)              | 3,540       | 3,540       |
| Upper body width                                    | U | (mm)              | 3,410       | 3,410       |
| Cabin height (upper body)                           | V | (mm)              | 32          | 32          |
| Cab width                                           | W | (mm)              | 1,010       | 1,010       |
| Center distance between guide wheel and drive wheel | X | (mm)              | 4,730       | 4,730       |
| Track length                                        | Y | (mm)              | 5,960       | 5,960       |
| Lower body width (standard)                         | Z | (mm)              | 3,400/4,000 | 3,400/4,000 |
| track width                                         | a | (mm)              | 650         | 650         |
| Track height**                                      | b | (mm)              | 1,310       | 1,310       |
| Minimum ground clearance                            | c | (mm)              | 830         | 830         |

[Note] \*: Shrink/Expand    \*\*: Without track shoes and spikes

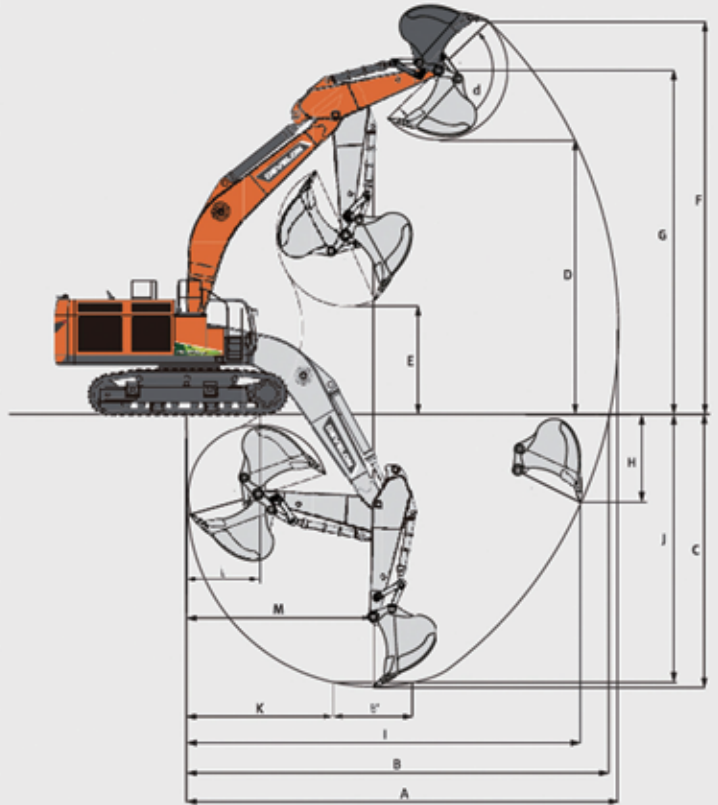


Model

DX800HD

## Scope of work

|                                       |   |      |        |        |
|---------------------------------------|---|------|--------|--------|
| Maximum excavation range              | A | (mm) | 11,595 | 12,670 |
| Maximum excavation range (ground)     | B | (mm) | 11,290 | 12,390 |
| Maximum excavation depth              | C | (mm) | 7,120  | 7,725  |
| Maximum unloading height              | D | (mm) | 7,000  | 8,245  |
| Minimum unloading height              | E | (mm) | 3,060  | 3,975  |
| Maximum excavation height             | F | (mm) | 10,470 | 11,910 |
| Maximum bucket pin height             | G | (mm) | 9,260  | 10,390 |
| Maximum vertical excavation depth     | H | (mm) | 1,840  | 2,455  |
| Maximum vertical excavation distance  | I | (mm) | 10,685 | 11,590 |
| Minimum excavation distance           | J | (mm) | 6,965  | 7,565  |
| Maximum excavation depth of 8 feet    | K | (mm) | 3,720  | 4,495  |
| Minimum excavation distance of 8 feet | L | (mm) | 1,705  | 2,990  |
| Minimum turning radius                | M | (mm) | 5,240  | 5,775  |
| Bucket rotation angle                 | d | (°)  | 154    | 178    |



## Selection of bucket

| Bucket type     | Bucket m³ | 6.65B      |      | 7.7B |
|-----------------|-----------|------------|------|------|
|                 | SAE Full  | 650mm SHOE |      |      |
|                 |           | 2.9A       | 2.6A | 2.9A |
| Heavy duty type | 3.42      | A          | A    | A    |
| Heavy duty type | 4.64      | A          | A    | C    |
| Heavy duty type | 5.24      | B          | B    | D    |
| Heavy duty type | 5.58      | B          | B    | D    |

A: Suitable for materials with a density of 2100kg/m³ or less

B: Suitable for materials with a density of 1800kg/m³ or less

C: Suitable for materials with a density of 1500kg/m³ or less

D: Suitable for materials with a density of less than or equal to 1200kg/m³



## Technical Parameter

| Engine                 |                                     |
|------------------------|-------------------------------------|
| Model                  | Perkins 2506J National IV emissions |
| Rated power            | 402kW/2,100rpm                      |
| Maximum torque         | 251.7kgf.m/1,400rpm                 |
| Displacement           | 15.2L                               |
| Cylinder               | 6                                   |
| Post processing method | DPF+SCR                             |

| Hydraulic cylinder |                   |
|--------------------|-------------------|
| Moving arm         | 2-190×125×1,795mm |
| Stick              | 1-215×150×1,879mm |
| Bucket             | 1-200×140×1,465mm |

| Walking device           |              |
|--------------------------|--------------|
| Driving speed (high/low) | 4.8/2.9km/hr |
| Maximum traction force   | 54.4/33.1ton |
| Gradient                 | 35°          |

| Filling capacity            |           |
|-----------------------------|-----------|
| Fuel tank                   | 890L      |
| Engine oil                  | 60L       |
| Cooling system (water tank) | 70.6L     |
| Walking device              | 2×20L     |
| Rotating device             | 2×8L      |
| Hydraulic oil tank          | 790(435)L |

| Digging force (ISO) |         |
|---------------------|---------|
| Stick               | 34.3ton |
| Bucket              | 40.5ton |

| Main pump         |                                   |
|-------------------|-----------------------------------|
| Type              | Variable displacement piston pump |
| Maximum flow rate | 2×504L/min                        |

| Main pump                           |                                 |
|-------------------------------------|---------------------------------|
| Hydraulic circuit of working device | 377kg/cm <sup>2</sup> (37Mpa)   |
| Walking hydraulic circuit           | 375kg/cm <sup>2</sup> (36.8Mpa) |
| Rotary hydraulic circuit            | 300kg/cm <sup>2</sup> (29.4Mpa) |

| Chassis                |         |
|------------------------|---------|
| Upper supporting wheel | 2×3个    |
| Lower supporting wheel | 2×8个    |
| Track shoes            | 2×48个   |
| Total length of track  | 4,750mm |

| Rotary system                     |                        |
|-----------------------------------|------------------------|
| Maximum rotational speed          | 7.4rpm                 |
| Maximum rotational torque         | 25,600kgf.m(251kN.m)   |
| Track (three toothed track plate) |                        |
| Track shoe width                  | 650mm                  |
| Operating weight                  | 80ton                  |
| Ground voltage ratio              | 1.19kg/cm <sup>2</sup> |