

**ZAXIS-5A series**

**HITACHI**

**Reliable solutions**

# **ZAXIS 75us**



## **HYDRAULIC EXCAVATOR**

Model Code : ZX75US-5A

Engine Rated Power : 34.1 kW (45.7 HP)

Operating Weight : 7 360 kg - 8 680 kg

Backhoe Bucket : ISO Heaped : 0.13 - 0.33 m<sup>3</sup>

**ZAXIS** Empower your Vision.

## Short Tail Swing and Ease of Control Boost Productivity in Tight Space

The ZAXIS 75US is a short rear-end swing type excavator for productive job in tight space.

No more worrying about striking against surroundings. This increases productivity in confined areas and on narrow roads. The Hitachi hydraulic system, featuring excellent controllability, allows for quick response to varying job needs, like powerful excavation and smooth grading. The cab is full of new designs, including multifunction monitor and functional controls, for pleasant operation.

The ZAXIS 75US is a fuel-thrifty machine too. The new electronically-controlled engine and new fuel-efficient hydraulics are adopted for less fuel consumption.

The ZAXIS 75US will be your trusted partner when the going gets tough.



Shown equipped with 2.12m arm, extra piping, hose rupture valve, additional boom lights with cover, additional cab roof front lights, cab rear lights, rain guard and blade.



### More Production with Less Fuel. Meeting Two Competing Needs

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- Short rear-end swing type excavator
- 9 % reduction in fuel consumption
- Increased front speeds
- Varied jobs, varied options



### No Compromise on Operator Comfort

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- ROPS-Compliant cab
- New easy-to-use multifunction monitor



### Simplified Maintenance to Reduce Downtime

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- Easy cleaning
- Remote concentrated servicing points
- Electric fuel refueling pump



### Hitachi Support Chain

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- Remote fleet management with global e-service
- Parts and services



Notes: Standard and optional equipment may vary by country, so please consult your Hitachi dealer for details.

# More Production with Less Fuel. Meeting Two Competing Needs



## Short rear-end swing type excavator

The ZAXIS 75US is a short rear-end swing type excavator for productive job in tight space. The upperstructure swings, rapidly or smooth, in response to changing job requirements through the advanced hydraulic technologies. The longer the operating hours, the higher the production.

## 9 %\* Reduction in Fuel Consumption

9%\* Reduction in Fuel Consumption  
The new engine is teamed up with an electronic governor to save fuel. Electronic-control acceleration makes possible precision engine control and fuel saving. Fuel consumption comes down 9 %\* from the conventional ZX75US-3. With a switch on the monitor, the operator can choose the ECO mode and the PWR mode. Select the ECO mode for fuel-efficient operation and the PWR mode for speedy, powerful operation.

\*Compared to the conventional ZX75US-3 by JCMAS measuring method.

## Increased Front Speeds

The Hitachi hydraulic system has evolved even more to increase front speeds. Hydraulic lines and piping are streamlined to reduce resistance, increasing front speeds as follows.

**Arm roll-out speed : 28 % up**  
**Arm roll-in speed : 14 % up**  
**Boom lower speed : 16 % up**

## Varied Jobs, Varied Options

The hose rupture valve (optional) is added to reduce oil leaks, and prevent the attachment from lowering, especially when a grapple or cutter is used, or when a front hose is punctured.



Shown equipped with 2.12m arm, extra piping, hose rupture valve, additional boom lights with cover, additional cab roof front lights, rain guard and rear view mirror and blade.

# No Compromise on Operator Comfort



## ROPS-compliant Cab

The ROPS-compliant cab protects you from the potential risks of the job site. The Roll-over Protective Structure (ROPS) is designed to protect the operator in the unlikely event of the machine tipping or rolling over. When getting in the Hitachi cab, the operator will feel comfortable and confident. There are plenty of refinements and improvements in the cab. The seat and console are redesigned for easy operation. The operator does not feel confined through wide glass windows and door. A drink holder with hot and cool function, a lot more air outlets are arranged to enhance operator comfort. A seat belt, pilot-controlled shutoff lever, swing parking brake, and travel parking brake are provided standard for safe operation. Neutral engine start feature enhances safety. The engine can start only when the shutoff lever is in its lock position.

## New, Easy-to-Use Multifunction Monitor

New, Easy-to-Use Multifunction Monitor  
The new multi-language, multifunction monitoring system is composed of a 7-inch high-resolution color monitor and a multifunction controller. The monitor allows the operator to check varying operating variables: oil temperature, fuel level, work mode, full-auto air conditioner, AM/FM radio, rear view monitor camera (optional) and maintenance support.



Shown equipped with air suspension seat, attachment pedal, sun visor and blade lever.

## Simplified Maintenance to Reduce Downtime



Dust-proof indoor net



Electric fuel refilling pump (optional)

### Easy Cleaning

The radiator front is fitted with a dust-proof indoor net, which can swing out for quick cleaning. Air conditioner filters and air cleaner are also easy to clean. The X-beam track top is inclined steeply to let mud slide away smoothly.

### Remote Concentrated Servicing Points

Servicing points are remote clustered on both sides of the machine for convenient ground-level maintenance, including filter replacement and oil level check.

### Electric Fuel Refueling Pump (optional)

An optional electric fuel refueling pump is housed inside the right cover for easy refueling from an fuel drum.



Shown equipped with additional cab rear light, rear view monitor camera and blade.

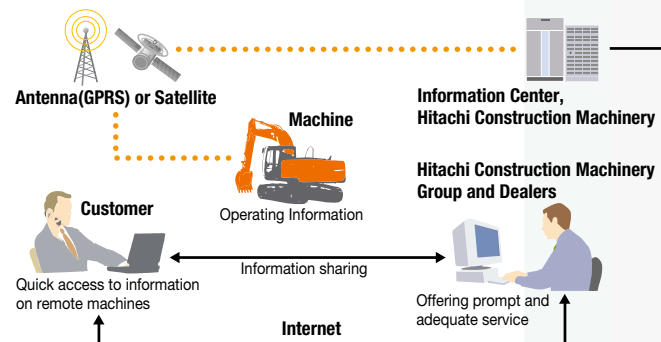
## Hitachi Support Chain

Hitachi Support Chain is a full customer support system offered after buying a Hitachi machine.

### Remote Fleet Management with Global e-Service (Optional)

#### Easy Access to On-Site Machines through the Internet

This on-line fleet management system allows you to access each on-site machine from a PC in your office. You can get its operating information and location to increase productivity of the fleet and reduce downtime. Operating data and log are sent to a Hitachi server for processing, and then to customer and dealers around the world. This system is available 24 hours a day, all the year around.



Note: In Some Regions, Global e-Service Is Not Available by Local Regulations.

#### Main Features of Global e-Service

##### Functions

Global e-Service provides easy access to a machine on site, conveying operating information and log, including daily operating hours, fuel level, temperatures, pressures, and likes.

##### Maintenance

Maintenance data and log are displayed on a easy-to-read monitor screen, suggesting recommended maintenance for efficient fleet management.



### Parts and Service

Hitachi full customer support is available every area on the globe for full customer satisfaction through Hitachi local dealers.

#### Parts

Hitachi Global Online Network, a parts supply system, is linked with Japan Parts Center, overseas depots and over 150 dealers abroad to deliver on-line parts information, including in-stock parts, order receptions, shipments and delivery period of over one million parts and components.

##### Genuine Hitachi Parts

Genuine Hitachi parts, meeting Hitachi stringent quality standards, are guaranteed according to Hitachi warranty standards. The use of genuine Hitachi parts, including engine, fuel, hydraulic oil and filters, may slash running costs, and extend machine life.

##### Ground Engaging Tools (GETs)

Hitachi provides an array of Hitachi Ground Engaging Tools developed and built for a variety of applications.

Using high-quality, well-maintained GETs will help you get customers' trust.

Note: Some dealers do not handle Hitachi GETs.

##### Remanufactured Components

Hitachi components are remanufactured according to the stringent remanufacturing standards at four factories around the world. They have high quality equivalent to new ones, and backed up by Hitachi warranty system.

Note: Some dealers do not handle Hitachi Remanufactured Components.

#### Service

##### Extended Warranty — HELP

Hitachi Standard Warranty System is available on all new Hitachi machines. In addition, Hitachi offers Hitachi Extended Life Programs (HELPS) to suit customer expectations –

protecting machines under tough operating conditions, avoiding unexpected downtime, and reducing repair costs.

Note: Warranty conditions vary by equipment.

##### Diagnostic Tools — Maintenance Pro

Electronic control system needs quick on-site solutions, apart from mechanical repairs. Hitachi's Maintenance Pro can diagnose machine failures in a short time by plugging a PC into a failed machine.

##### Technical Training

On-site servicing matters despite locations to keep the machine at peak performance and reduce downtime. Technical Training Center (TTC), located in Japan, educates and trains service technicians and service support personnel coming from Hitachi dealers and factories on the globe according to the international training programs.

# SPECIFICATIONS

## ENGINE

Model ..... Yanmar 4TNV94L (EU Stage IIIA)  
Type ..... 4-cycle water-cooled, direct injection  
No. of cylinders ..... 4  
Rated power  
ISO 9249, net ..... 34.1 kW (45.7 HP) at 2 000 min<sup>-1</sup> (rpm)  
EEC 80/1269, net ..... 34.1 kW (45.7 HP) at 2 000 min<sup>-1</sup> (rpm)  
SAE J1349, net ..... 34.1 kW (45.7 HP) at 2 000 min<sup>-1</sup> (rpm)  
Maximum torque ..... 204.1 Nm (20.8 kgfm) at 1 000 min<sup>-1</sup> (rpm)  
Piston displacement ..... 3.053 L  
Bore and stroke ..... 94 mm x 110 mm  
Batteries ..... 2 x 12 V / 52 Ah

## HYDRAULIC SYSTEM

### Hydraulic Pumps

Main pumps ..... 3 variable displacement axial piston pumps  
Maximum oil flow ..... 2 x 72 L/min  
1 x 56 L/min  
Pilot pump ..... 1 gear pump  
Maximum oil flow ..... 20.0 L/min

### Hydraulic Motors

Travel ..... 2 variable displacement axial piston motors  
Swing ..... 1 axial piston motor

### Relief Valve Settings

Implement circuit ..... 26.0 MPa (265 kgf/cm²)  
Swing circuit ..... 26.5 MPa (270 kgf/cm²)  
Travel circuit ..... 31.4 MPa (320 kgf/cm²)  
Pilot circuit ..... 3.9 MPa (40 kgf/cm²)

### Hydraulic Cylinders

|         | Quantity | Bore   | Rod diameter | Stroke |
|---------|----------|--------|--------------|--------|
| Boom    | 1        | 115 mm | 65 mm        | 885 mm |
| Arm     | 1        | 95 mm  | 60 mm        | 900 mm |
| Bucket  | 1        | 85 mm  | 55 mm        | 730 mm |
| Blade   | 1        | 120 mm | 70 mm        | 145 mm |
| Off-set | 1        | 105 mm | 60 mm        | 386 mm |

## UPPERSTRUCTURE

### Revolving Frame

D-section frame for resistance to deformation.

### Swing Device

Axial piston motor with planetary reduction gear is bathed in oil. Swing circle is single-row. Swing parking brake is spring-set/hydraulic-released disc type.

Swing speed ..... 10.5 min<sup>-1</sup> (rpm)  
Swing torque ..... 16.6 kNm (1 690 kgfm)

### Operator's Cab

Independent spacious cab, 1 005 mm wide by 1 675 mm high, conforming to the "ROPS for excavator" (ISO\* 12117-2). Reinforced glass windows on 4 sides for visibility. Front windows (upper and lower) can be opened. Reclining seat.

\* International Organization for Standarization

## UNDERCARRIAGE

### Tracks

Tractor-type undercarriage. Welded track frame using selected materials. Side frame welded to track frame.

### Numbers of Rollers and shoes on Each Side

Upper roller ..... 1  
Lower rollers ..... 5  
Track shoes ..... 40

### Travel Device

Each track driven by 2-speed axial piston motor.  
Parking brake is spring-set/hydraulic-released disc type.  
Automatic transmission system: High-Low.  
Travel speeds ..... High : 0 to 5.0 km/h  
Low : 0 to 3.1 km/h

Maximum traction force 65.2 kN (6 650 kgf)

Gradeability ..... 70% (35 degree) continuous

## SOUND LEVEL

Sound level in cab according to ISO 6396 ..... LpA 72 dB(A)  
External sound level according to ISO 6395 and  
EU Directive 2000/14/EC ..... LwA 97 dB(A)

## SERVICE REFILL CAPACITIES

Fuel tank ..... 135.0 L  
Engine coolant ..... 7.0 L  
Engine oil ..... 12.3 L  
Travel device (each side) ..... 1.2 L  
Hydraulic system ..... 100.0 L  
Hydraulic oil tank ..... 56.0 L

## WEIGHTS AND GROUND PRESSURE

### Operating Weight and Ground Pressure

| Shoe type    | Shoe width | Arm length | kg    | kPa(kgf/cm²) |
|--------------|------------|------------|-------|--------------|
| Grouser shoe | 450 mm     | 1.62 m     | 7 360 | 32 (0.33)    |
|              |            | 2.12 m     | 7 400 | 32 (0.33)    |
|              | 600 mm     | 1.62 m     | 7 530 | 24 (0.25)    |
|              |            | 2.12 m     | 7 570 | 25 (0.25)    |
| Flat         | 450 mm     | 1.62 m     | 7 530 | 33 (0.34)    |
|              |            | 2.12 m     | 7 570 | 33 (0.34)    |
| triangular   | 700 mm     | 1.62 m     | 7 670 | 21 (0.22)    |
|              |            | 2.12 m     | 7 710 | 21 (0.22)    |
| Pad crawler  | 450 mm     | 1.62 m     | 7 410 | 32 (0.33)    |
|              |            | 2.12 m     | 7 450 | 32 (0.33)    |

Including 0.28 m³ (ISO heaped) bucket weight (211 kg).

### OFF-SET FRONT

| Shoe type    | Shoe width | Arm length | kg    | kPa(kgf/cm²) |
|--------------|------------|------------|-------|--------------|
| Grouser shoe | 450 mm     | 1.62 m     | 7 780 | 34 (0.36)    |
|              | 600 mm     | 1.62 m     | 7 950 | 26 (0.26)    |
| Flat         | 450 mm     | 1.62 m     | 7 950 | 35 (0.35)    |
| triangular   | 700 mm     | 1.62 m     | 8 090 | 22 (0.23)    |
| Pad crawler  | 450 mm     | 1.62 m     | 7 830 | 34 (0.35)    |

Including 0.28 m³ (ISO heaped) bucket weight (211 kg).

## BUCKET AND ARM DIGGING FORCE

| Arm length                      | Monoblock boom      |                     | Off-set front       |
|---------------------------------|---------------------|---------------------|---------------------|
|                                 | 1.62 m              | 2.12 m              | 1.62 m              |
| Bucket digging force ISO        | 55.0 kN (5 600 kgf) |                     | 55.0 kN (5 600 kgf) |
| Bucket digging force SAE : PCSA | 47.0 kN (4 800 kgf) |                     | 47.0 kN (4 800 kgf) |
| Arm crowd force ISO             | 38.0 kN (3 900 kgf) | 32.0 kN (3 300 kgf) | 40.0 kN (4 100 kgf) |
| Arm crowd force SAE : PCSA      | 36.0 kN (3 700 kgf) | 31.0 kN (3 200 kgf) | 38.0 kN (3 900 kgf) |

### MONOBLOCK BOOM with OPTIONAL BLADE

| Shoe type    | Shoe width | Arm length | kg    | kPa(kgf/cm²) |
|--------------|------------|------------|-------|--------------|
| Grouser shoe | 450 mm     | 1.62 m     | 7 930 | 35 (0.35)    |
|              |            | 2.12 m     | 7 970 | 35 (0.36)    |
|              | 600 mm     | 1.62 m     | 8 100 | 26 (0.27)    |
|              |            | 2.12 m     | 8 140 | 26 (0.27)    |
| Flat         | 450 mm     | 1.62 m     | 8 100 | 35 (0.36)    |
|              |            | 2.12 m     | 8 140 | 35 (0.36)    |
| Triangular   | 700 mm     | 1.62 m     | 8 240 | 23 (0.23)    |
|              |            | 2.12 m     | 8 280 | 23 (0.24)    |
| Pad crawler  | 450 mm     | 1.62 m     | 7 980 | 34 (0.35)    |
|              |            | 2.12 m     | 8 020 | 35 (0.36)    |

Including 0.28 m³ (ISO heaped) bucket weight (211 kg).

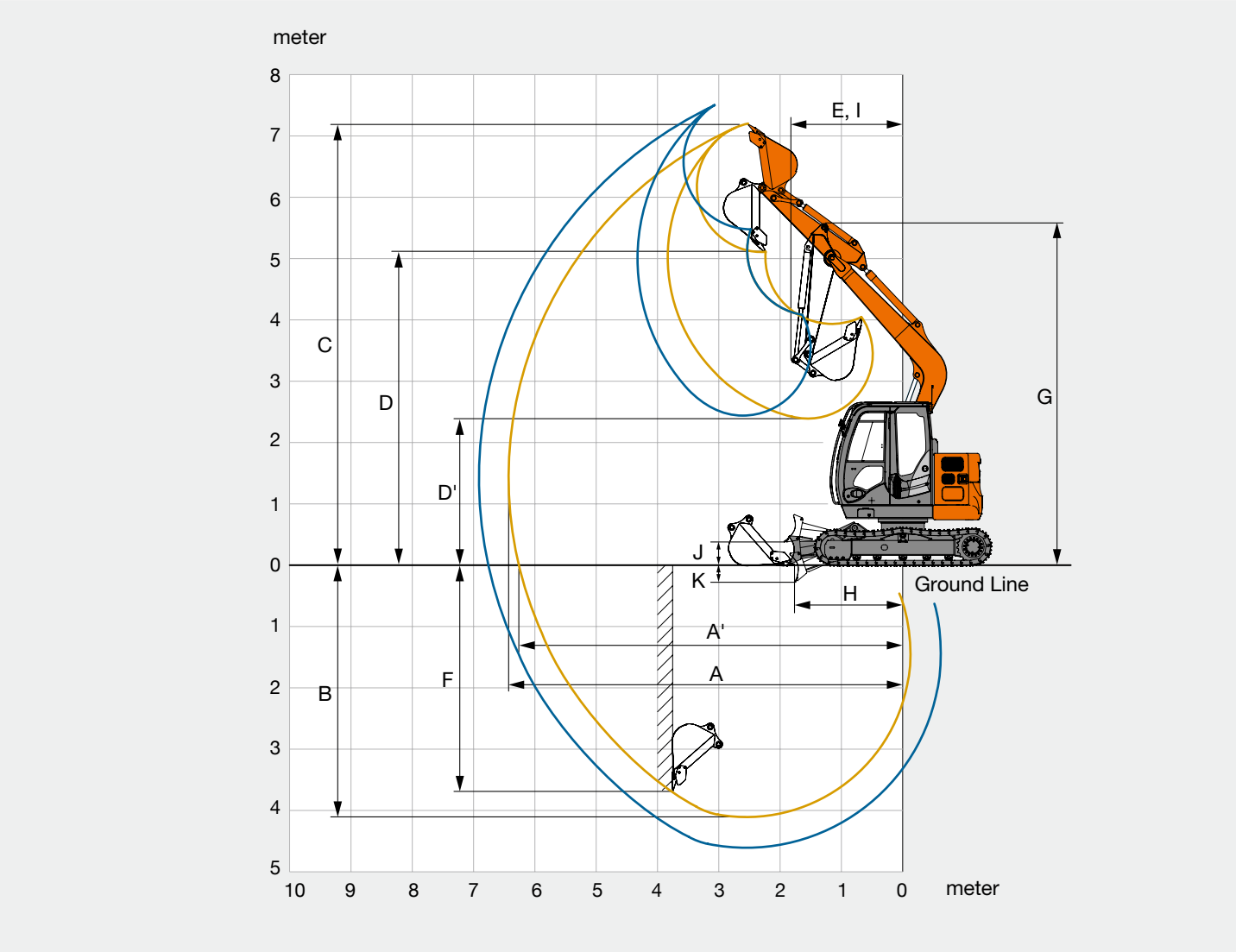
### OFF-SET FRONT with OPTIONAL BLADE

| Shoe type    | Shoe width | Arm length | kg    | kPa(kgf/cm²) |
|--------------|------------|------------|-------|--------------|
| Grouser shoe | 450 mm     | 1.62 m     | 8 350 | 37 (0.37)    |
|              | 600 mm     | 1.62 m     | 8 520 | 28 (0.28)    |
| Flat         | 450 mm     | 1.62 m     | 8 520 | 37 (0.38)    |
| Triangular   | 700 mm     | 1.62 m     | 8 660 | 24 (0.24)    |
| Pad crawler  | 450 mm     | 1.62 m     | 8 400 | 36 (0.37)    |

Including 0.28 m³ (ISO heaped) bucket weight (211 kg).

SPECIFICATIONS

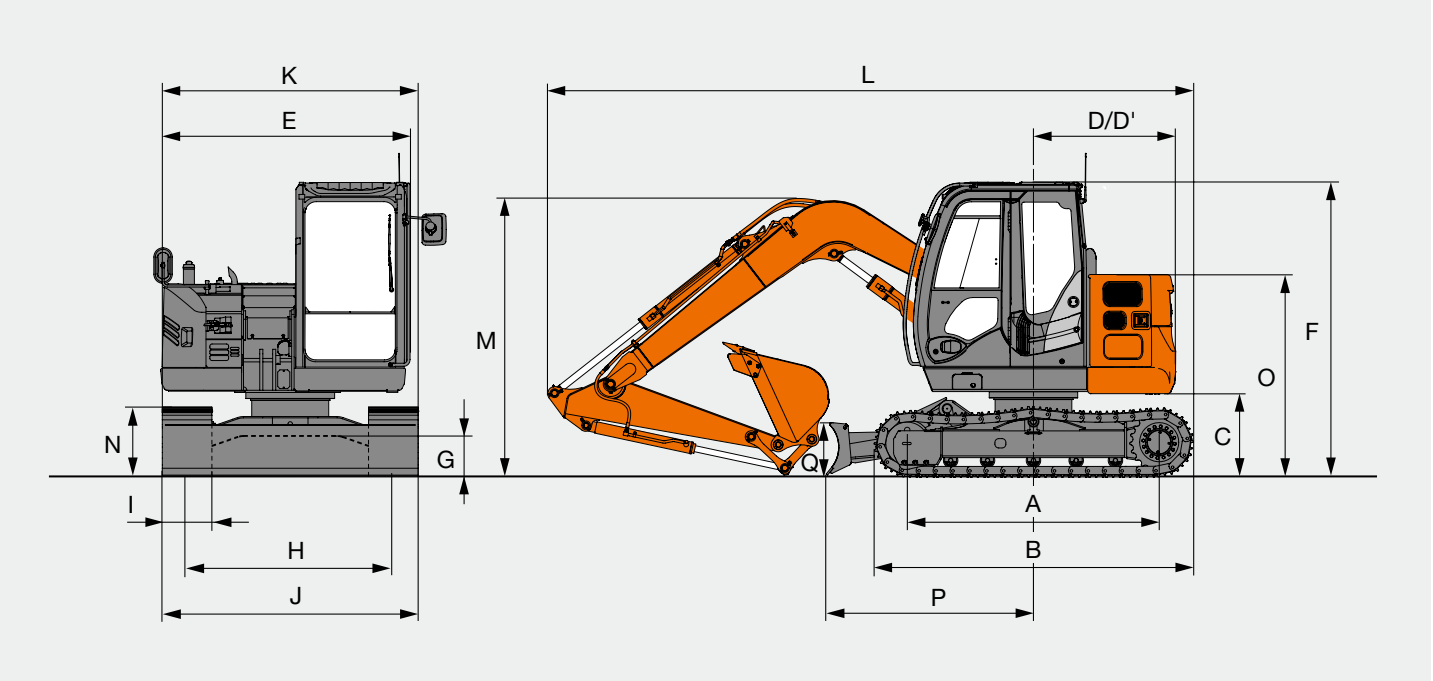
WORKING RANGES: MONOBLOCK BOOM



| Unit: mm                                                      |        |        |
|---------------------------------------------------------------|--------|--------|
| Arm length                                                    | 1.62 m | 2.12 m |
| A Max. digging reach                                          | 6 430  | 6 920  |
| A' Max. digging reach (on ground)                             | 6 260  | 6 760  |
| B Max. digging depth                                          | 4 110  | 4 610  |
| C Max. cutting height                                         | 7 210  | 7 610  |
| D Max. dumping height                                         | 5 120  | 5 510  |
| D' Min. dumping height                                        | 2 390  | 2 410  |
| E Min. swing radius                                           | 1 810  | 2 170  |
| F Max. vertical wall                                          | 3 670  | 4 220  |
| G Front height at Min. swing radius                           | 5 590  | 5 610  |
| H Min. level crowding distance                                | 1 770  | 1 670  |
| I Working radius at Min. swing radius (Max. boom-swing angle) | -      | -      |
| J Blade (optional) bottom highest position above ground       | 360    | 360    |
| K Blade (optional) bottom lowest position above ground        | 300    | 300    |

Excluding track shoe lug.

DIMENSIONS: MONOBLOCK BOOM

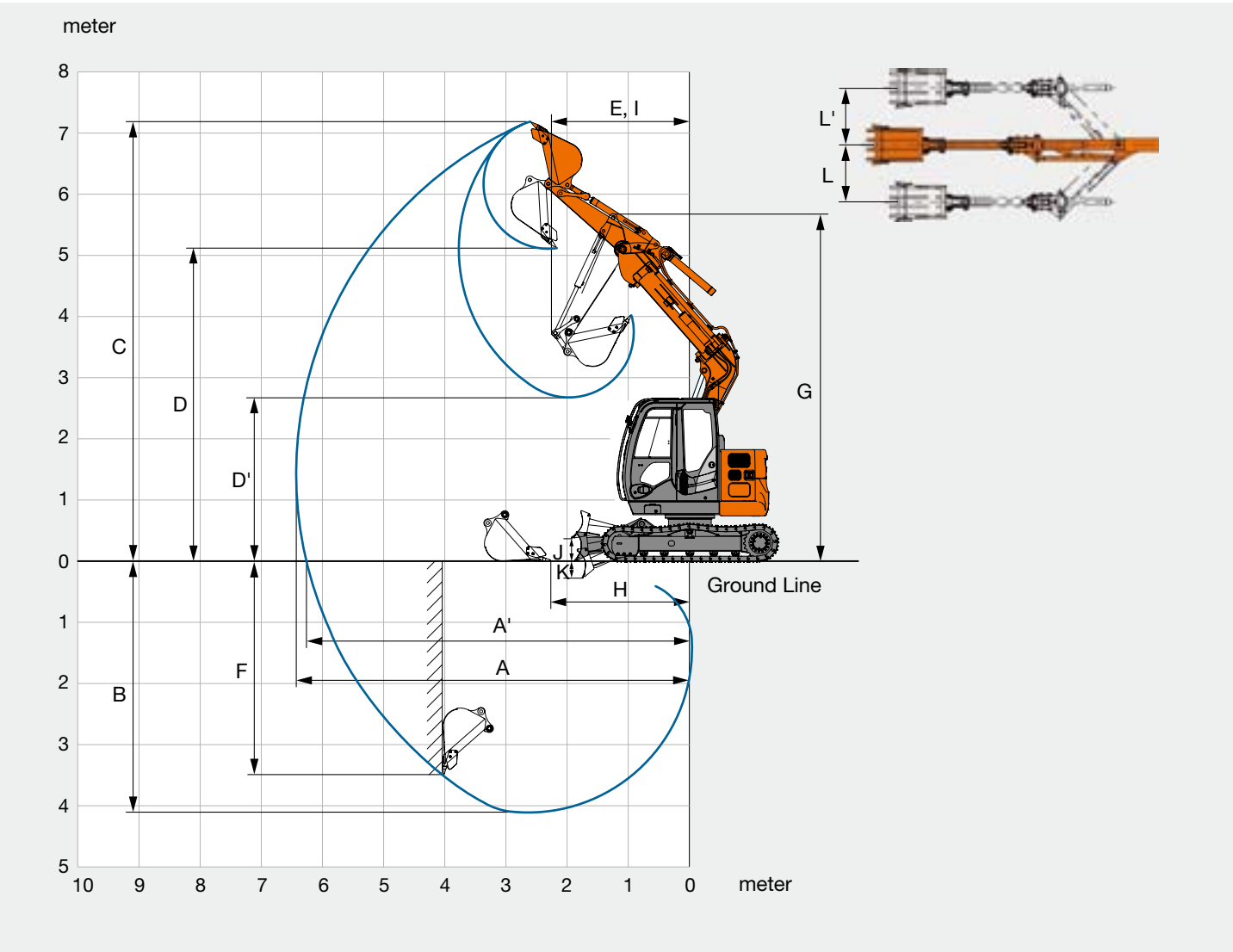


| Unit: mm                          |           |
|-----------------------------------|-----------|
|                                   | ZX75US-5A |
| A Distance between tumblers       | 2 290     |
| B Undercarriage length            | 2 920     |
| * C Counterweight clearance       | 730       |
| D Rear-end swing radius           | 1 290     |
| D' Rear-end length                | 1 290     |
| E Overall width of upperstructure | 2 260     |
| F Overall height of cab           | 2 690     |
| * G Min. ground clearance         | 360       |
| H Track gauge                     | 1 870     |
| I Track shoe width                | 450       |
| J Undercarriage width             | 2 320     |
| K Overall width                   | 2 320     |
| L Overall length                  |           |
| With 1.62 m arm                   | 5 870     |
| With 2.12 m arm                   | 6 370     |
| * M Overall height of boom        |           |
| With 1.62 m arm                   | 2 690     |
| With 2.12 m arm                   | 2 830     |
| N Track height                    | 650       |
| O Engine cover-height             | 1 850     |
| P Horizontal distance to blade    | 1 890     |
| Q Blade (optional) height         | 480       |

\* Excluding track shoe lug.

SPECIFICATIONS

WORKING RANGES: OFF-SET FRONT

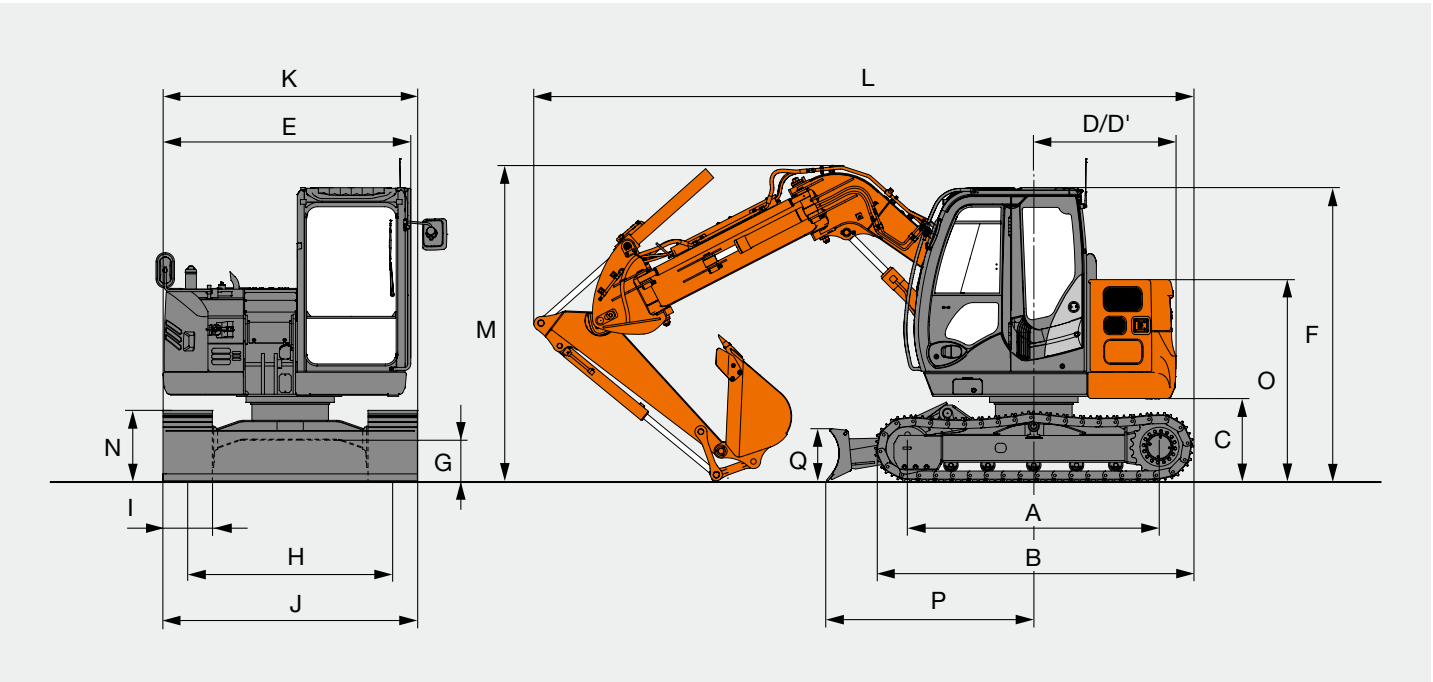


Unit: mm

| Arm length                                                    | 1.62 m        |
|---------------------------------------------------------------|---------------|
| A Max. digging reach                                          | 6 430         |
| A' Max. digging reach (on ground)                             | 6 260         |
| B Max. digging depth                                          | 4 110         |
| C Max. cutting height                                         | 7 190         |
| D Max. dumping height                                         | 5 110         |
| D' Min. dumping height                                        | 2 670         |
| E Min. swing radius                                           | 2 260         |
| F Max. vertical wall                                          | 3 490         |
| G Front height at Min. swing radius                           | 5 680         |
| H Min. level crowding distance                                | 2 280         |
| I Working radius at Min. swing radius (Max. boom-swing angle) | –             |
| J Blade (optional) bottom highest position above ground       | 360           |
| K Blade (optional) bottom lowest position above ground        | 300           |
| L/L' Left side offset distance / Right side offset distance   | 1 150 / 1 150 |

Excluding track shoe lug.

DIMENSIONS: OFF-SET FRONT



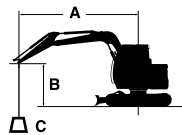
Unit: mm

|                                   | ZX75US-5A |
|-----------------------------------|-----------|
| A Distance between tumblers       | 2 290     |
| B Undercarriage length            | 2 920     |
| * C Counterweight clearance       | 730       |
| D Rear-end swing radius           | 1 290     |
| D' Rear-end length                | 1 290     |
| E Overall width of upperstructure | 2 260     |
| F Overall height of cab           | 2 690     |
| * G Min. ground clearance         | 360       |
| H Track gauge                     | 1 870     |
| I Track shoe width                | 450       |
| J Undercarriage width             | 2 320     |
| K Overall width                   | 2 320     |
| L Overall length                  |           |
| With 1.62 m arm                   | 6 440     |
| * M Overall height of boom        |           |
| With 1.62 m arm                   | 2 870     |
| N Track height                    | 650       |
| O Engine cover-height             | 1 850     |
| P Horizontal distance to blade    | 1 890     |
| Q Blade (optional) height         | 480       |

\* Excluding track shoe lug.

LIFTING CAPACITIES

- Notes: 1. Ratings are based on ISO 10567.  
2. Lifting capacity does not exceed 75% of tipping load with the machine on firm, level ground or 87% full hydraulic capacity.  
3. The load point is the center-line of the bucket pivot mounting pin on the arm.  
4. \*Indicates load limited by hydraulic capacity.  
5. 0 m = Ground.



A: Load radius  
B: Load point height  
C: Lifting capacity

For lifting capacities, subtract bucket and quick hitch weight from lifting capacities without bucket.

ZX75US-5A Monoblock boom Rating over-front Rating over-side or 360 degrees Unit: kg

| Conditions             | Load point height<br>m | Load radius                                                                       |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     | At max. reach                                                                       |                                                                                     |       |
|------------------------|------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------|
|                        |                        | 1.0 m                                                                             |                                                                                   | 2.0 m                                                                             |                                                                                   | 3.0 m                                                                             |                                                                                   | 4.0 m                                                                             |                                                                                   | 5.0 m                                                                              |                                                                                     |                                                                                     |                                                                                     |       |
|                        |                        |  |  |  |  |  |  |  |  |  |  |  |  | meter |
| Boom 3.72 m            | 5                      |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *1 580                                                                            | *1 580                                                                            |                                                                                   |                                                                                   |                                                                                    |                                                                                     | *1 630                                                                              | *1 630                                                                              | 3.95  |
| Arm 1.62 m             | 4                      |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *1 760                                                                            | *1 760                                                                            | *1 720                                                                            | *1 720                                                                            |                                                                                    |                                                                                     | *1 520                                                                              | 1 410                                                                               | 4.69  |
| Counterweight 1 300 kg | 3                      |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *2 280                                                                            | *2 280                                                                            | *1 930                                                                            | 1 780                                                                             | 1 560                                                                              | 1 260                                                                               | 1 500                                                                               | 1 210                                                                               | 5.13  |
| Grouser shoe 450 mm    | 2                      |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *2 970                                                                            | 2 610                                                                             | 2 140                                                                             | 1 710                                                                             | 1 530                                                                              | 1 230                                                                               | 1 390                                                                               | 1 120                                                                               | 5.34  |
|                        | 1                      |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 3 220                                                                             | 2 480                                                                             | 2 070                                                                             | 1 640                                                                             | 1 500                                                                              | 1 200                                                                               | 1 360                                                                               | 1 090                                                                               | 5.35  |
|                        | 0 (Ground)             |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 3 150                                                                             | 2 420                                                                             | 2 030                                                                             | 1 600                                                                             | 1 480                                                                              | 1 180                                                                               | 1 410                                                                               | 1 130                                                                               | 5.17  |
|                        | -1                     | *2 900                                                                            | *2 900                                                                            | *4 230                                                                            | *4 230                                                                            | 3 140                                                                             | 2 410                                                                             | 2 010                                                                             | 1 590                                                                             |                                                                                    |                                                                                     | 1 580                                                                               | 1 260                                                                               | 4.76  |
|                        | -2                     |                                                                                   |                                                                                   | *4 560                                                                            | *4 560                                                                            | 3 170                                                                             | 2 440                                                                             | 2 040                                                                             | 1 610                                                                             |                                                                                    |                                                                                     | 2 000                                                                               | 1 580                                                                               | 4.07  |

ZX75US-5A Monoblock boom, Blade (optional) on Ground Rating over-front Rating over-side or 360 degrees Unit: kg

| Conditions             | Load point height<br>m | Load radius                                                                       |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     | At max. reach                                                                       |                                                                                     |       |
|------------------------|------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------|
|                        |                        | 1.0 m                                                                             |                                                                                   | 2.0 m                                                                             |                                                                                   | 3.0 m                                                                             |                                                                                   | 4.0 m                                                                             |                                                                                   | 5.0 m                                                                               |                                                                                     |                                                                                     |                                                                                     |       |
|                        |                        |  |  |  |  |  |  |  |  |  |  |  |  | meter |
| Boom 3.72 m            | 5                      |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *1 580                                                                            | *1 580                                                                            |                                                                                   |                                                                                   |                                                                                     |                                                                                     | *1 630                                                                              | *1 630                                                                              | 3.95  |
| Arm 1.62 m             | 4                      |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *1 760                                                                            | *1 760                                                                            | *1 720                                                                            | *1 720                                                                            |                                                                                     |                                                                                     | *1 520                                                                              | 1 410                                                                               | 4.69  |
| Counterweight 1 300 kg | 3                      |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *2 280                                                                            | *2 280                                                                            | *1 930                                                                            | 1 780                                                                             | *1 810                                                                              | 1 260                                                                               | *1 500                                                                              | 1 210                                                                               | 5.13  |
| Grouser shoe 450 mm    | 2                      |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *2 970                                                                            | 2 610                                                                             | *2 230                                                                            | 1 710                                                                             | *1 920                                                                              | 1 230                                                                               | *1 550                                                                              | 1 120                                                                               | 5.34  |
|                        | 1                      |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *3 490                                                                            | 2 480                                                                             | *2 510                                                                            | 1 640                                                                             | *2 050                                                                              | 1 200                                                                               | *1 660                                                                              | 1 090                                                                               | 5.35  |
|                        | 0 (Ground)             |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *3 680                                                                            | 2 420                                                                             | *2 680                                                                            | 1 600                                                                             | *2 120                                                                              | 1 180                                                                               | *1 890                                                                              | 1 130                                                                               | 5.17  |
|                        | -1                     | *2 900                                                                            | *2 900                                                                            | *4 230                                                                            | *4 230                                                                            | *3 600                                                                            | 2 410                                                                             | *2 660                                                                            | 1 590                                                                             |                                                                                     |                                                                                     | *2 150                                                                              | 1 260                                                                               | 4.76  |
|                        | -2                     |                                                                                   |                                                                                   | *4 560                                                                            | *4 560                                                                            | *3 240                                                                            | 2 440                                                                             | *2 320                                                                            | 1 610                                                                             |                                                                                     |                                                                                     | *2 260                                                                              | 1 580                                                                               | 4.07  |

ZX75US-5A Monoblock boom Rating over-front Rating over-side or 360 degrees Unit: kg

| Conditions                                                                 | Load point height<br>m | Load radius                                                                         |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                       |                                                                                       | At max. reach                                                                         |                                                                                       |       |
|----------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------|
|                                                                            |                        | 1.0 m                                                                               |                                                                                     | 2.0 m                                                                               |                                                                                     | 3.0 m                                                                               |                                                                                     | 4.0 m                                                                               |                                                                                     | 5.0 m                                                                                 |                                                                                       |                                                                                       |                                                                                       |       |
|                                                                            |                        |  |  |  |  |  |  |  |  |  |  |  |  | meter |
| Boom 3.72 m<br>Arm 2.12 m<br>Counterweight 1 300 kg<br>Grouser shoe 450 mm | 5                      |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     | *1 400                                                                              | *1 400                                                                              |                                                                                       |                                                                                       | *1 360                                                                                | *1 360                                                                                | 4.60  |
|                                                                            | 4                      |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     | *1 450                                                                              | *1 450                                                                              | *1 520                                                                                | 1 290                                                                                 | *1 270                                                                                | 1 190                                                                                 | 5.25  |
|                                                                            | 3                      |                                                                                     |                                                                                     | *2 320                                                                              | *2 320                                                                              | *1 880                                                                              | *1 880                                                                              | *1 680                                                                              | *1 680                                                                              | 1 570                                                                                 | 1 270                                                                                 | *1 260                                                                                | 1 040                                                                                 | 5.64  |
|                                                                            | 2                      |                                                                                     |                                                                                     |                                                                                     |                                                                                     | *2 580                                                                              | *2 580                                                                              | *2 010                                                                              | 1 730                                                                               | 1 530                                                                                 | 1 230                                                                                 | 1 210                                                                                 | 970                                                                                   | 5.83  |
|                                                                            | 1                      |                                                                                     |                                                                                     |                                                                                     |                                                                                     | *3 220                                                                              | 2 510                                                                               | 2 080                                                                               | 1 650                                                                               | 1 490                                                                                 | 1 190                                                                                 | 1 190                                                                                 | 950                                                                                   | 5.84  |
|                                                                            | 0 (Ground)             |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 3 150                                                                               | 2 420                                                                               | 2 020                                                                               | 1 590                                                                               | 1 460                                                                                 | 1 160                                                                                 | 1 220                                                                                 | 980                                                                                   | 5.67  |
|                                                                            | -1                     | *2 290                                                                              | *2 290                                                                              | *3 560                                                                              | *3 560                                                                              | 3 110                                                                               | 2 380                                                                               | 1 990                                                                               | 1 560                                                                               | 1 450                                                                                 | 1 150                                                                                 | 1 340                                                                                 | 1 060                                                                                 | 5.31  |
|                                                                            | -2                     | *3 710                                                                              | *3 710                                                                              | *5 040                                                                              | 4 890                                                                               | 3 120                                                                               | 2 390                                                                               | 1 990                                                                               | 1 570                                                                               |                                                                                       |                                                                                       | 1 590                                                                                 | 1 260                                                                                 | 4.70  |
| -3                                                                         |                        |                                                                                     | *4 100                                                                              | *4 100                                                                              | *2 840                                                                              | 2 450                                                                               |                                                                                     |                                                                                     |                                                                                     |                                                                                       | *2 120                                                                                | 1 790                                                                                 | 3.73                                                                                  |       |

ZX75US-5A Monoblock boom, Blade (optional) on Ground Rating over-front Rating over-side or 360 degrees Unit: kg

| Conditions                                                                 | Load point height<br>m | Load radius                                                                         |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                       |                                                                                       |                                                                                       | At max. reach                                                                         |                                                                                       |       |
|----------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------|
|                                                                            |                        | 1.0 m                                                                               |                                                                                     | 2.0 m                                                                               |                                                                                     | 3.0 m                                                                               |                                                                                     | 4.0 m                                                                               |                                                                                       | 5.0 m                                                                                 |                                                                                       |                                                                                       |                                                                                       |       |
|                                                                            |                        |  |  |  |  |  |  |  |  |  |  |  |  | meter |
| Boom 3.72 m<br>Arm 2.12 m<br>Counterweight 1 300 kg<br>Grouser shoe 450 mm | 5                      |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     | *1 400                                                                              | *1 400                                                                                |                                                                                       |                                                                                       | *1 360                                                                                | *1 360                                                                                | 4.60  |
|                                                                            | 4                      |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     | *1 450                                                                              | *1 450                                                                                | *1 520                                                                                | 1 290                                                                                 | *1 270                                                                                | 1 190                                                                                 | 5.25  |
|                                                                            | 3                      |                                                                                     |                                                                                     | *2 320                                                                              | *2 320                                                                              | *1 880                                                                              | *1 880                                                                              | *1 680                                                                              | *1 680                                                                                | *1 600                                                                                | 1 270                                                                                 | *1 260                                                                                | 1 040                                                                                 | 5.64  |
|                                                                            | 2                      |                                                                                     |                                                                                     |                                                                                     |                                                                                     | *2 580                                                                              | *2 580                                                                              | *2 010                                                                              | 1 730                                                                                 | *1 760                                                                                | 1 230                                                                                 | *1 290                                                                                | 970                                                                                   | 5.83  |
|                                                                            | 1                      |                                                                                     |                                                                                     |                                                                                     |                                                                                     | *3 220                                                                              | 2 510                                                                               | *2 350                                                                              | 1 650                                                                                 | *1 930                                                                                | 1 190                                                                                 | *1 370                                                                                | 950                                                                                   | 5.84  |
|                                                                            | 0 (Ground)             |                                                                                     |                                                                                     |                                                                                     |                                                                                     | *3 570                                                                              | 2 420                                                                               | *2 580                                                                              | 1 590                                                                                 | *2 060                                                                                | 1 160                                                                                 | *1 510                                                                                | 980                                                                                   | 5.67  |
|                                                                            | -1                     | *2 290                                                                              | *2 290                                                                              | *3 560                                                                              | *3 560                                                                              | *3 640                                                                              | 2 380                                                                               | *2 660                                                                              | 1 560                                                                                 | *2 080                                                                                | 1 150                                                                                 | *1 770                                                                                | 1 060                                                                                 | 5.31  |
|                                                                            | -2                     | *3 710                                                                              | *3 710                                                                              | *5 040                                                                              | 4 890                                                                               | *3 440                                                                              | 2 390                                                                               | *2 530                                                                              | 1 570                                                                                 |                                                                                       |                                                                                       | *2 020                                                                                | 1 260                                                                                 | 4.70  |
| -3                                                                         |                        |                                                                                     | *4 100                                                                              | *4 100                                                                              | *2 840                                                                              | 2 450                                                                               |                                                                                     |                                                                                     |                                                                                       |                                                                                       | *2 120                                                                                | 1 790                                                                                 | 3.73                                                                                  |       |

ZX75US-5A Off-set front Rating over-front Rating over-side or 360 degrees Unit: kg

| Conditions                                                                        | Load point height<br>m | Load radius                                                                         |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     | At max. reach                                                                       |                                                                                     |       |
|-----------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------|
|                                                                                   |                        | 1.0 m                                                                               |                                                                                     | 2.0 m                                                                               |                                                                                     | 3.0 m                                                                               |                                                                                     | 4.0 m                                                                               |                                                                                     | 5.0 m                                                                               |                                                                                     |                                                                                     |                                                                                     |       |
|                                                                                   |                        |  |  |  |  |  |  |  |  |  |  |  |  | meter |
| Off-set Boom<br>Arm 1.62 m<br>Counterweight<br>1 300 kg<br>Grouser shoe<br>450 mm | 5                      |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |       |
|                                                                                   | 4                      |                                                                                     |                                                                                     |                                                                                     |                                                                                     | *1 750                                                                              | *1 750                                                                              | *1 620                                                                              | *1 620                                                                              |                                                                                     |                                                                                     | *1 610                                                                              | 1 510                                                                               | 4.40  |
|                                                                                   | 3                      |                                                                                     |                                                                                     | *3 280                                                                              | *3 280                                                                              | *2 180                                                                              | *2 180                                                                              | *1 800                                                                              | 1 700                                                                               |                                                                                     |                                                                                     | 1 540                                                                               | 1 210                                                                               | 4.86  |
|                                                                                   | 2                      |                                                                                     |                                                                                     |                                                                                     |                                                                                     | *2 750                                                                              | 2 410                                                                               | 2 010                                                                               | 1 570                                                                               | 1 410                                                                               | 1 100                                                                               | 1 370                                                                               | 1 070                                                                               | 5.08  |
|                                                                                   | 1                      |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 2 910                                                                               | 2 170                                                                               | 1 880                                                                               | 1 450                                                                               | 1 350                                                                               | 1 040                                                                               | 1 310                                                                               | 1 010                                                                               | 5.10  |
|                                                                                   | 0 (Ground)             |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 2 790                                                                               | 2 070                                                                               | 1 800                                                                               | 1 370                                                                               |                                                                                     |                                                                                     | 1 350                                                                               | 1 030                                                                               | 4.90  |
|                                                                                   | -1                     |                                                                                     |                                                                                     | *4 470                                                                              | 4 240                                                                               | 2 780                                                                               | 2 050                                                                               | 1 780                                                                               | 1 340                                                                               |                                                                                     |                                                                                     | 1 520                                                                               | 1 160                                                                               | 4.47  |
|                                                                                   | -2                     |                                                                                     |                                                                                     | *3 880                                                                              | *3 880                                                                              | *2 810                                                                              | 2 100                                                                               |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |       |

ZX75US-5A Off-set front, Blade (optional) on Ground Rating over-front Rating over-side or 360 degrees Unit: kg

| Conditions                                                                        | Load point height<br>m | Load radius                                                                         |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     | At max. reach                                                                       |                                                                                     |       |
|-----------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------|
|                                                                                   |                        | 1.0 m                                                                               |                                                                                     | 2.0 m                                                                               |                                                                                     | 3.0 m                                                                               |                                                                                     | 4.0 m                                                                               |                                                                                     | 5.0 m                                                                               |                                                                                     |                                                                                     |                                                                                     |       |
|                                                                                   |                        |  |  |  |  |  |  |  |  |  |  |  |  | meter |
| Off-set Boom<br>Arm 1.62 m<br>Counterweight<br>1 300 kg<br>Grouser shoe<br>450 mm | 5                      |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |       |
|                                                                                   | 4                      |                                                                                     |                                                                                     |                                                                                     |                                                                                     | *1 750                                                                              | *1 750                                                                              | *1 620                                                                              | *1 620                                                                              |                                                                                     |                                                                                     | *1 610                                                                              | 1 510                                                                               | 4.40  |
|                                                                                   | 3                      |                                                                                     |                                                                                     | *3 280                                                                              | *3 280                                                                              | *2 180                                                                              | *2 180                                                                              | *1 800                                                                              | 1 700                                                                               |                                                                                     |                                                                                     | *1 650                                                                              | 1 210                                                                               | 4.86  |
|                                                                                   | 2                      |                                                                                     |                                                                                     |                                                                                     |                                                                                     | *2 750                                                                              | 2 410                                                                               | *2 050                                                                              | 1 570                                                                               | *1 740                                                                              | 1 100                                                                               | *1 720                                                                              | 1 070                                                                               | 5.08  |
|                                                                                   | 1                      |                                                                                     |                                                                                     |                                                                                     |                                                                                     | *3 160                                                                              | 2 170                                                                               | *2 270                                                                              | 1 450                                                                               | *1 840                                                                              | 1 040                                                                               | *1 810                                                                              | 1 010                                                                               | 5.10  |
|                                                                                   | 0 (Ground)             |                                                                                     |                                                                                     |                                                                                     |                                                                                     | *3 270                                                                              | 2 070                                                                               | *2 390                                                                              | 1 370                                                                               |                                                                                     |                                                                                     | *1 930                                                                              | 1 030                                                                               | 4.90  |
|                                                                                   | -1                     |                                                                                     |                                                                                     | *4 470                                                                              | 4 240                                                                               | *3 170                                                                              | 2 050                                                                               | *2 350                                                                              | 1 340                                                                               |                                                                                     |                                                                                     | *2 070                                                                              | 1 160                                                                               | 4.47  |
|                                                                                   | -2                     |                                                                                     |                                                                                     | *3 880                                                                              | *3 880                                                                              | *2 810                                                                              | 2 100                                                                               |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |       |

● : Standard equipment

○ : Optional equipment

[illegible]

\* Hitachi Construction Machinery cannot be held liable for theft. any system will just minimize the risk of theft.

Before using a machine with a satellite communication system, please make sure that the satellite communication system complies with local regulations, safety standards and legal requirements. If not so, please make modifications accordingly.

These specifications are subject to change without notice.

Illustrations and photos show the standard models, and may or may not include optional equipment, accessories, and all standard equipment with some differences in color and features.

Before use, read and understand the Operator's Manual for proper operation.