HITACHI

Reliable solutions

ZAXIS85us



HYDRAULIC EXCAVATOR

Model code: ZX85US-6

Engine rated power: 42.4 kW (ISO14396)

Operating weight : MONOBLOCK BOOM : $8\,140-8\,470~kg$

OFF-SET FRONT: 8 630 – 8 930 kg

Bucket ISO heaped: 0.28 m³

ZX85US-6

The compact excavator



6. Powerful performance



8. Exceptional comfort



10. Easy to maintain

No compromise













Easy maintenanceLarge easy-to-open covers provide access to service points.

Powerful performance

The compact ZX85US-6 maintains high levels of productivity on a variety of job sites, especially where space is limited. Thanks to its innovative design and features, it operates with a smaller environmental impact with reduced fuel consumption and emissions.

Efficient productivity

The ZX85US-6 delivers high levels of productivity on the job site thanks to a powerful Stage V-compliant engine, quick cycle time and an efficient hydraulic system. The EGR and muffler filter reduce NOx and particulate matter, and a common rail system helps the engine to run optimally. This not only reduces emissions, but also contributes to greater fuel efficiency and reduced running costs.

Built to last

Durable features of the ZX85US-6, such as the strengthened front attachment and reinforced mainframe, ensure a reliable performance, helping you to get the job done on time and on budget.

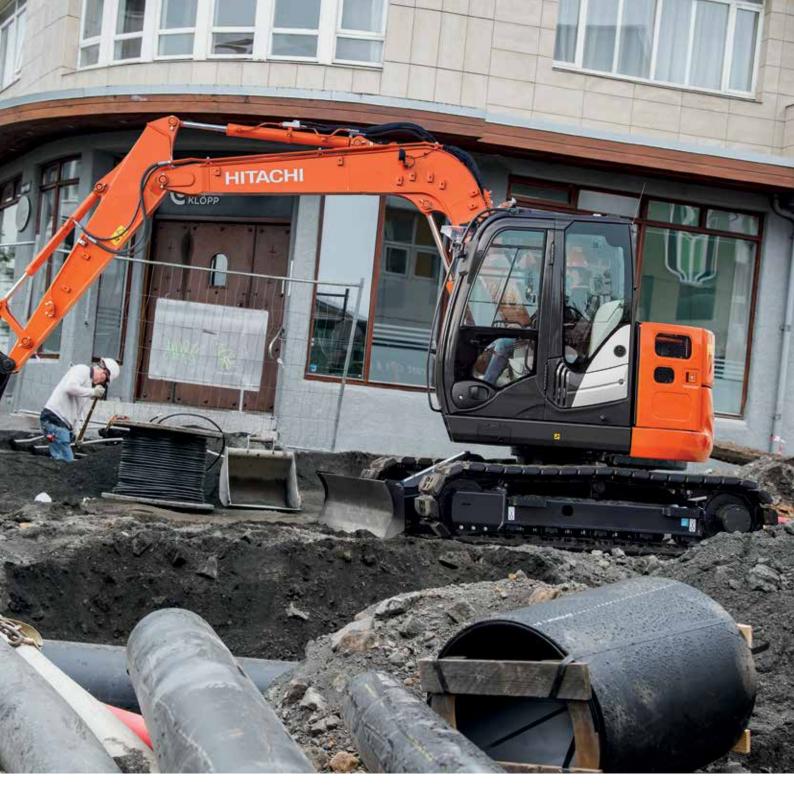
Lower fuel costs

The ECO mode and auto idle features significantly reduce fuel consumption and noise levels.



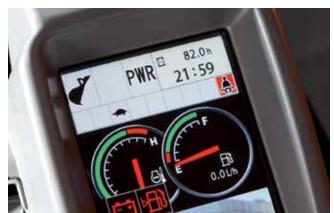


The short-tail swing radius makes the ZX85US-6 ideal for working in tight spaces.

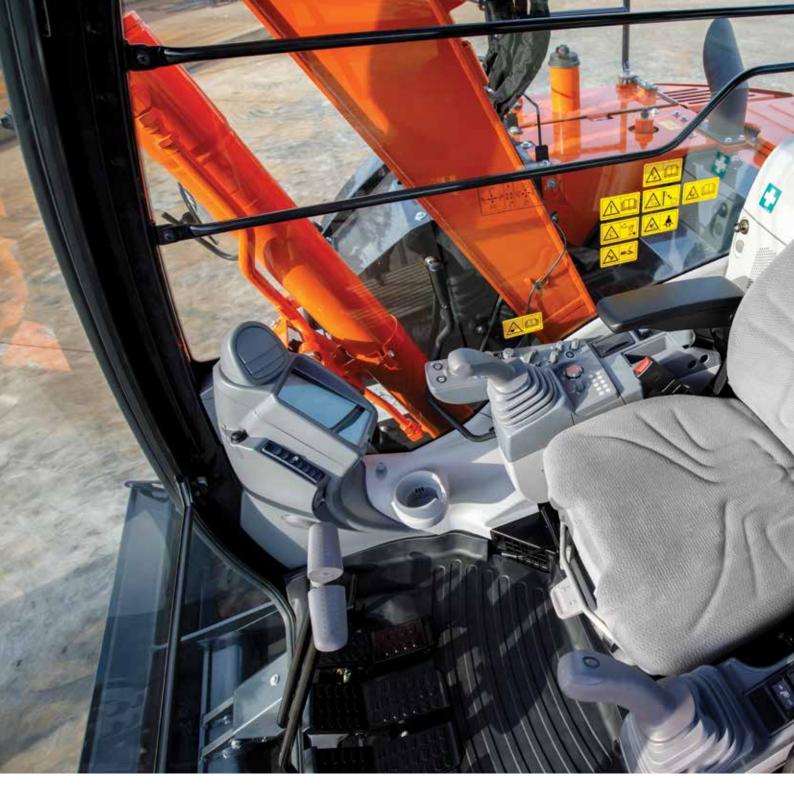




Quick cycle time and efficient hydraulics ensure high productivity.



Large color multifunctional LCD monitor shows data at a glance.





Easy access via the large door space.



The USB power outlet is useful for charging portable devices such as mobile phones.



The controls and monitor are within easy reach.

Exceptional comfort

Hitachi has designed the cab of the ZX85US-6 to be a safe and spacious working environment. Ergonomically designed controls, excellent allround visibility and more leg room contribute to a high level of comfort for operators, and ensure long shifts are easier and more enjoyable.

Spacious cab

The ROPS-compliant pressurised cab of the ZX85US-6 is spacious and easy to access via the entrance step. Fitted with the heated air suspension seat, which is ideal in cold climates and absorbs vibration during operation, the ZX85US-6 provides a high level of comfort for operators.

Easy operation

User-friendly controls are in easy reach of the operator and the hydraulic pilot control levers ensure a smooth operation. The optional auxiliary function lever with proportional switch allows for excellent control and is useful for hydraulic breaker attachments, among others.

Enhanced design

The ZX85US-6 is equipped with new LED lights, which have a longer lifetime than halogen alternatives for efficient energy use. An additional LED light on the rear of the cab is also available as an option.

Easy to maintain

Daily checks, cleaning and servicing are easier than ever with the new ZX85US-6, saving you valuable time during the working day, and ensuring an optimum performance. This is thanks to accessible parts and the conveniently arranged layout of components in the excavator's unique design.

Convenient access

Components such as fuel filters, the engine oil filter and air cleaner are easily accessible from ground level. The filters and water separator are positioned close to one another for convenience. Non-slip steps ensure safe access to the machine's upper structure.

Quick refuelling

The standard electric fuel refilling unit enables the excavator to be refuelled using an electric pump from a drum can. The in-built filter prevents impurities from the drum from entering the machine during refuelling.

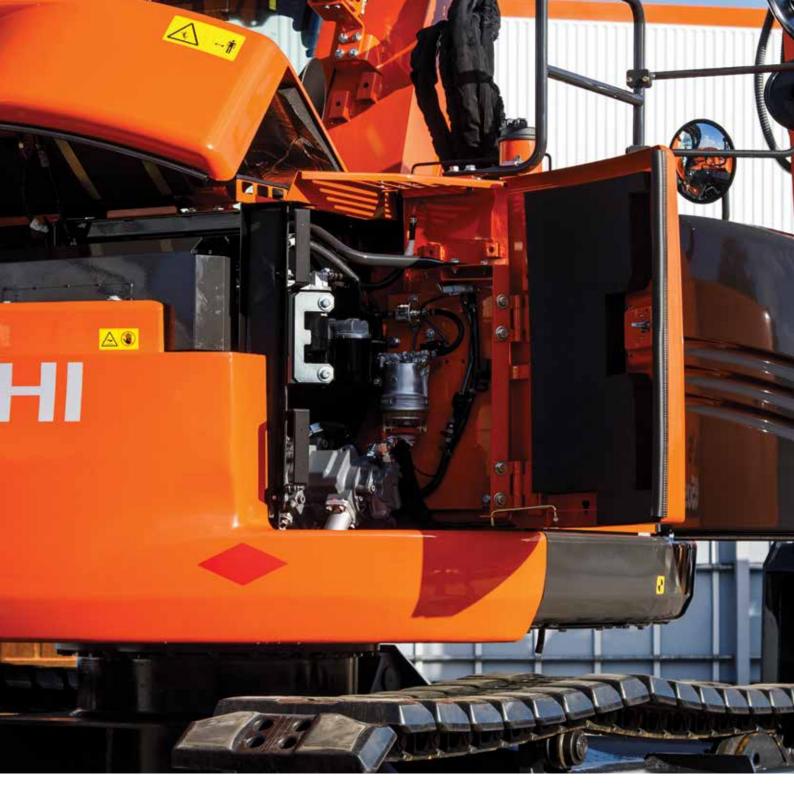
Easy cleaning

The radiator front is fitted with a dust-proof indoor net, which can swing out for quick cleaning. The X-beam track top is inclined steeply to let mud slide away smoothly.





Daily inspection points are grouped together for convenience.





The radiator has a dust-proof net that is easy to clean.



The excavator can be refuelled using an electric pump.

SPECIFICATIONS

ENGINE

Model 4TNV98C

Type 4-cycle water-cooled, common rail direct injection

Aspiration..... Coold EGR

Aftertreatment Muffler filter

No. of cylinders 4

Rated power

Piston displacement 3.318 L

Bore and stroke 98 mm x 110 mm Battery $2 \times 12 \text{ V} / 52 \text{ Ah}$

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

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 |
| Boom swing | 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.

Operator's Cab

Independent spacious cab, 1 005 mm wide by 1 675 mm high, conforming to ISO* Standards. 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 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 98 | dB(A) |

SERVICE REFILL CAPACITIES

| Fuel tank | 135.0 L |
|---------------------------|---------|
| Engine coolant | 9.5 L |
| Engine oil | 12.3 L |
| Travel device (each side) | |
| Hydraulic system | 100.0 L |
| Hydraulic oil tank | |
| Hydraulic Oil tarik | 30.0 L |

WEIGHTS AND GROUND PRESSURE

Operating Weight and Ground Pressure

MONOBLOCK BOOM

| Shoe type | Shoe width | Arm length | kg | kPa (kgf/cm²) |
|---------------------|------------|------------|-------|---------------|
| | 450 | 1.62 m | 8 140 | 35 (0.36) |
| Grouser shoe | 450 mm | 2.12 m | 8 170 | 35 (0.36) |
| Grouser snoe 600 mm | 600 mm | 1.62 m | 8 340 | 27 (0.28) |
| | 600 111111 | 2.12 m | 8 370 | 27 (0.28) |
| Rubber shoe | 450 mm | 1.62 m | 8 440 | 36 (0.37) |
| | | 2.12 m | 8 470 | 36 (0.37) |
| Pad crawler shoe | 450 mm | 1.62 m | 8 140 | 35 (0.36) |
| | | 2.12 m | 8 170 | 35 (0.36) |

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 | 8 630 | 37 (0.38) |
| Grouser snoe | 600 mm | 1.62 m | 8 830 | 29 (0.29) |
| Rubber shoe | 450 mm | 1.62 m | 8 930 | 38 (0.39) |
| Pad crawler shoe | 450 mm | 1.62 m | 8 630 | 37 (0.38) |

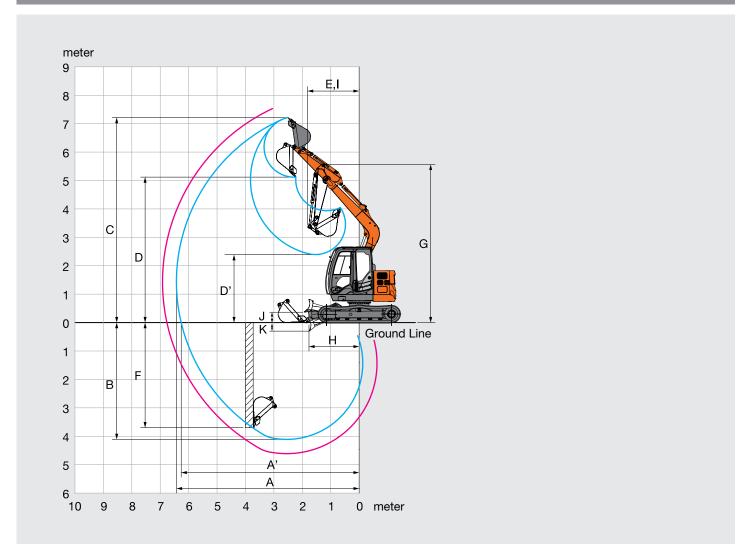
Including 0.28 $\mbox{m}^{\mbox{\tiny 3}}$ (ISO heaped) bucket weight (211 kg).

BUCKET AND ARM DIGGING FORCE

| | Monoblo | Off-set front | |
|---------------------------------|---|---------------|---------------------|
| Arm length | 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) |

SPECIFICATIONS

WORKING RANGES

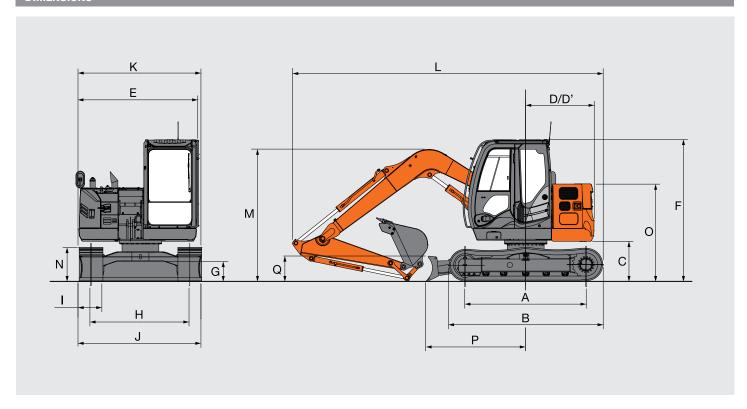


Unit: mm

| | | Offic. ITIIII |
|---|--------|---------------|
| 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 bottom highest position above ground | 360 | 360 |
| K Blade bottom lowest position above ground | 300 | 300 |

Excluding track shoe lug.

DIMENSIONS



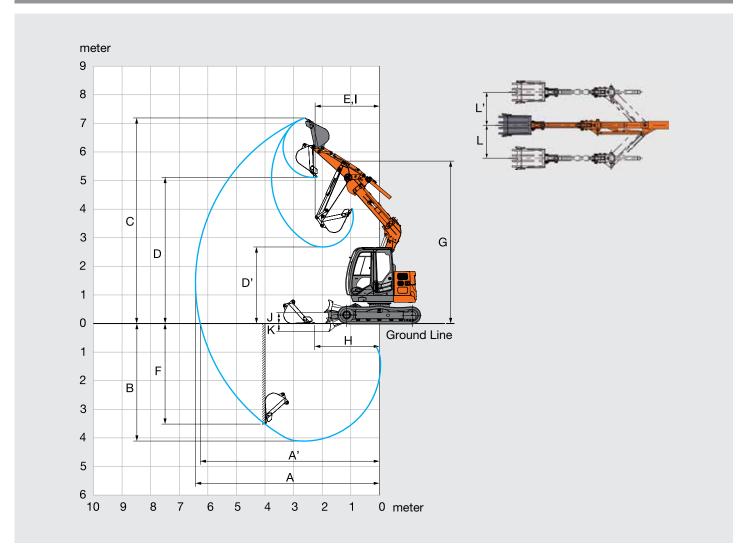
Unit: mm

| | ZAXIS 85US |
|-----------------------------------|------------|
| 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 height | 480 |

^{*} Excluding track shoe lug.

SPECIFICATIONS

WORKING RANGES: OFF-SET FRONT

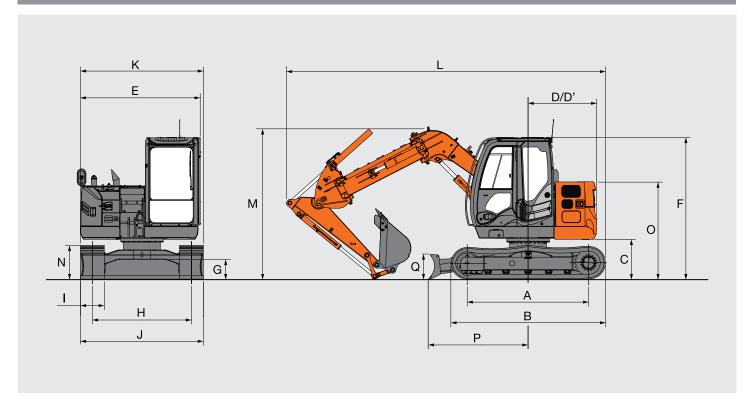


| Unit: | mr |
|-------|----|
| 0 | |

| 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 bottom highest position above ground | 360 |
| K Blade 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

| | Offic. Hill |
|-----------------------------------|-------------|
| | ZAXIS 85US |
| 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 height | 480 |

^{*} Excluding track shoe lug.

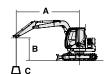
MACHINE CAPACITIES

Notes: 1. Ratings are based on ISO 10567.

- Alarings are based of inSO 10507.
 Lifting capacity does not exceed 75% of tipping load with the machine on firm, level ground or 87% full hydraulic capacity.
 The load point is the center-line of the bucket pivot mounting pin on the arm.
 *Indicates load limited by hydraulic capacity.

- 5. 0 m = Ground.

To determine lifting capacities, apply "Rating over-side or 360 degrees" machine capacities from table with "Blade above Ground" and deduct weight of installed attachment and quick hitch.



A: Load radius B: Load point height

C: Lifting capacity

| ZAXIS 85US Mo | ZAXIS 85US Monoblock boom, Blade above Ground | | | | | | | | | | Rating ove | r-side or 36 | Unit : kg | |
|---------------------------|---|--|----------|-----|----------|--------|----------|--------|----------|-------|------------|---------------|--------------|-------|
| | Load | | | | | Load | radius | | | | | | \+ may raaal | |
| Conditions | Conditions point height m 1.0 m | |) m | 2.0 |) m | 3.0 |) m | 4.0 |) m | 5.0 |) m | At max. reach | | |
| | | | - | ů | P | ů | - | ů | - | ů | © | ů | © | meter |
| Boom 3.72 m | 5.0 | | | | | *1 580 | *1 580 | | | | | *1 630 | *1 630 | 3.95 |
| Arm 1.62 m | 4.0 | | | | | *1 760 | *1 760 | *1 720 | *1 720 | | | *1 520 | 1 410 | 4.69 |
| Counterweight 1 300 kg | 3.0 | | | | | *2 280 | *2 280 | *1 930 | 1 780 | 1 560 | 1 260 | 1 500 | 1 210 | 5.13 |

| Conditions | Conditions point | 1.0 m | | 2.0 m | | 3.0 m | | 4.0 m | | 5.0 m | | At max. reach | | |
|---------------------------|------------------|--------|----------|--------|----------|--------|----------|--------|----------|-------|----------|---------------|----------|-------|
| | height m | ů | - | ů | © | ů | © | ů | - | ů | © | ů | © | meter |
| Boom 3.72 m | 5.0 | | | | | *1 580 | *1 580 | | | | | *1 630 | *1 630 | 3.95 |
| Arm 1.62 m | 4.0 | | | | | *1 760 | *1 760 | *1 720 | *1 720 | | | *1 520 | 1 410 | 4.69 |
| Counterweight 1 300 kg | 3.0 | | | | | *2 280 | *2 280 | *1 930 | 1 780 | 1 560 | 1 260 | 1 500 | 1 210 | 5.13 |
| Grouser shoe | 2.0 | | | | | *2 970 | 2 610 | 2 140 | 1 710 | 1 530 | 1 230 | 1 390 | 1 120 | 5.34 |
| 450 mm | 1.0 | | | | | 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 |
| | -1.0 | *2 900 | *2 900 | *4 230 | *4 230 | 3 140 | 2 410 | 2 010 | 1 590 | | | 1 580 | 1 260 | 4.76 |
| | -2.0 | | | *4 560 | *4 560 | 3 170 | 2 440 | 2 040 | 1 610 | | | 2 000 | 1 580 | 4.07 |
| | | | | | | | • | | | | • | | | |

| ZAXIS 85US M | onoblock b | oom, Bla | ade on Gi | round | | | | U R | ating over-f | ront 🗀 | Rating over | r-side or 36 | 60 degrees | Unit : kg |
|---------------------------|-------------|----------|-----------|--------|----------|---------|----------|------------|--------------|--------|-------------|---------------|------------|-----------|
| | Load | | | | | Load | radius | | | | | At max. reach | | |
| Conditions | point | 1.0 |) m | 2.0 m | | 3.0 m | | 4.0 m | | 5.0 m | | At max. reach | | |
| | height m | | - | ů | @ | ů | ⊕ | ů | © | ů | - | ů | © | meter |
| Boom 3.72 m | 5.0 | | | | | *1 580 | *1 580 | | | | | *1 630 | *1 630 | 3.95 |
| Arm 1.62 m | 4.0 | | | | | *1 760 | *1 760 | *1 720 | *1 720 | | | *1 520 | 1 410 | 4.69 |
| Counterweight 1 300 kg | 3.0 | | | | | *2 280 | *2 280 | *1 930 | 1 780 | *1 810 | 1 260 | *1 500 | 1 210 | 5.13 |
| Grouser shoe | 2.0 | | | | | *2 970 | 2 610 | *2 230 | 1 710 | *1 920 | 1 230 | *1 550 | 1 120 | 5.34 |
| 450 mm | 1.0 | | | | | *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 |
| | -1.0 | *2 900 | *2 900 | *4 230 | *4 230 | *3 600 | 2 410 | *2 660 | 1 590 | | | *2 150 | 1 260 | 4.76 |
| | -20 | | | *4.560 | *4 560 | *3 2/10 | 2 440 | *2 320 | 1.610 | | | *2 260 | 1 580 | 4.07 |

| 7AX | IS 85US Monoblock I | noom. Blade above G | Fround |
|-----|---------------------|---------------------|--------|

| ZAXIS 85US Mo | noblock b | oom, Bla | ade above | e Ground | | Rating over-front Rating over-side or 360 degrees | | | | | | Unit : kg | | |
|---------------------------|-------------|----------|-----------|----------|----------|---|----------|--------|----------|--------|----------|-----------------|--------------|-------|
| | Load | | | | | Load | radius | | | | | , | At max. reac | h |
| Conditions | point | 1.0 |) m | 2.0 m | | 3.0 m | | 4.0 m | | 5.0 m | | 7 ti max. rodon | | |
| | height m | ů | © | ů | © | ů | © | ů | © | ů | © | ů | © | meter |
| Boom 3.72 m | 5.0 | | | | | | | *1 400 | *1 400 | | | *1 360 | *1 360 | 4.60 |
| Arm 2.12 m | 4.0 | | | | | | | *1 450 | *1 450 | *1 520 | 1 290 | *1 270 | 1 190 | 5.25 |
| Counterweight 1 300 kg | 3.0 | | | *2 320 | *2 320 | *1 880 | *1 880 | *1 680 | *1 680 | 1 570 | 1 270 | *1 260 | 1 040 | 5.64 |
| Grouser shoe | 2.0 | | | | | *2 580 | *2 580 | *2 010 | 1 730 | 1 530 | 1 230 | 1 210 | 970 | 5.83 |
| 450 mm | 1.0 | | | | | *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 |
| | -1.0 | *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 |
| | -2.0 | *3 710 | *3 710 | *5 040 | 4 890 | 3 120 | 2 390 | 1 990 | 1 570 | | | 1 590 | 1 260 | 4.70 |
| | -3.0 | | | *4 100 | *4 100 | *2 840 | 2 450 | | | | | *2 120 | 1 790 | 3.73 |

| | | | _ |
|-------------------|--------------|-------------|-----------|
| 7AXIS 85US | Monoblock bo | om. Blade i | on Ground |

| ZAXIS 85US Mo | noblock b | oom, Bla | ide on Gr | ound | | Rating over-front Rating over-side or 360 degrees | | | | | | Unit : kg | | |
|---------------------------|-------------|----------|-----------|--------|----------|---|----------|--------|----------|--------|----------|-----------|----------------|-------|
| | Load | | | | | Load | radius | | | | | | At max. reac | h |
| Conditions | point | 1.0 |) m | 2.0 |) m | 3.0 m | | 4.0 m | | 5.0 m | | | At IIIax. IGao | |
| | height m | ů | © | Ů | © | ů | © | ů | © | ů | © | Ů | © | meter |
| Boom 3.72 m | 5.0 | | | | | | | *1 400 | *1 400 | | | *1 360 | *1 360 | 4.60 |
| Arm 2.12 m | 4.0 | | | | | | | *1 450 | *1 450 | *1 520 | 1 290 | *1 270 | 1 190 | 5.25 |
| Counterweight 1 300 kg | 3.0 | | | *2 320 | *2 320 | *1 880 | *1 880 | *1 680 | *1 680 | *1 600 | 1 270 | *1 260 | 1 040 | 5.64 |
| Grouser shoe | 2.0 | | | | | *2 580 | *2 580 | *2 010 | 1 730 | *1 760 | 1 230 | *1 290 | 970 | 5.83 |
| 450 mm | 1.0 | | | | | *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 |
| | -1.0 | *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 |
| | -2.0 | *3 710 | *3 710 | *5 040 | 4 890 | *3 440 | 2 390 | *2 530 | 1 570 | | | *2 020 | 1 260 | 4.70 |
| | -3.0 | | | *4 100 | *4 100 | *2 840 | 2 450 | | | | | *2 120 | 1 790 | 3.73 |

| ZAXIS 85US Of | f-set front | , Blade al | bove Gro | und | | | | j R | ating over-f | ront 🗀 | Rating over | er-side or 36 | 60 degrees | Unit : kg |
|--------------------------|-------------|------------|----------|--------|----------|--------|----------|------------|--------------|--------|-------------|---------------|--------------|-----------|
| | Load | | | | | Load | radius | | | | | | At max. reac | h |
| Conditions | point | 1.0 |) m | 2.0 |) m | 3.0 |) m | 4.0 |) m | 5.0 m | |] ' | at max. reac | 11 |
| | height m | ů | © | ů | - | ů | - | ů | © | ů | © | ů | © | meter |
| Off-set Boom | 5.0 | | | | | | | | | | | | | |
| Arm 1.62 m | 4.0 | | | | | *1 750 | *1 750 | *1 620 | *1 620 | | | *1 610 | 1 510 | 4.40 |
| Counterweight | 3.0 | | | *3 280 | *3 280 | *2 180 | *2 180 | *1 800 | 1 700 | | | 1 540 | 1 210 | 4.86 |
| 1 300 kg Grouser shoe | 2.0 | | | | | *2 750 | 2 410 | 2 010 | 1 570 | 1 410 | 1 100 | 1 370 | 1 070 | 5.08 |
| 450 mm | 1.0 | | | | | 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 |
| | -1.0 | | | *4 470 | 4 240 | 2 780 | 2 050 | 1 780 | 1 340 | | | 1 520 | 1 160 | 4.47 |
| | | | | *0.000 | *0 000 | *0.010 | 2 100 | | | | | | | |

2 100

*2 810

*3 880

-2.0

*3 880

| ZAXIS 85US O | ff-set front, | Blade o | n Ground | I | | | Rating over-front Rating over-side or 360 degrees | | | | | | | |
|---------------------------|---------------|---------|----------|--------|----------|--------|---|--------|----------|--------|----------|---------------|--------------|-------|
| | Load | | | | | Load | radius | | | | | | At max. reac | |
| Conditions point height m | | 1.0 | 1.0 m | | 2.0 m | | 3.0 m | | 4.0 m | |) m | At max. reach | | |
| | | ů | © | ů | @ | ů | - | ů | @ | ů | © | ů | @ | meter |
| Off-set Boom | 5.0 | | | | | | | | | | | | | |
| Arm 1.62 m | 4.0 | | | | | *1 750 | *1 750 | *1 620 | *1 620 | | | *1 610 | 1 510 | 4.40 |
| Counterweight 1 300 kg | 3.0 | | | *3 280 | *3 280 | *2 180 | *2 180 | *1 800 | 1 700 | | | *1 650 | 1 210 | 4.86 |
| Grouser shoe | 2.0 | | | | | *2 750 | 2 410 | *2 050 | 1 570 | *1 740 | 1 100 | *1 720 | 1 070 | 5.08 |
| 450 mm | 1.0 | | | | | *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 |
| | -1.0 | | | *4 470 | 4 240 | *3 170 | 2 050 | *2 350 | 1 340 | | | *2 070 | 1 160 | 4.47 |
| | -2.0 | | | *3 880 | *3 880 | *2 810 | 2 100 | | | | | | | |

EQUIPMENT

ENGINE Air cleaner double filters Alternator 24V - 60 A Auto idle system Cartridge-type engine oil filter Cartridge-type fuel main filter Dry-type air filter with evacuator valve (with air filter restriction indicator) Electric fuel refilling pump Fan guard Fuel cooler Fuel pre-filter with water separator PWR/ECO mode control Radiator reserve tank Radiator, oil cooler with dust-proof indoor net Water-separator for engine fuel

| HYDRAULIC SYSTEM | |
|--|---|
| Boom anti-drift valve | • |
| Extra port for control valve | • |
| Full-flow filter | • |
| Hose rupture valve | • |
| Hydraulic pilot type control levers | • |
| Pilot control shut-off lever with neutral engine start system | • |
| Pilot filter | • |
| Suction filter | • |
| Swing drain filter | • |
| Swing parking brake | • |
| | |

Travel parking brake
Two-speed travel system
Valve for extra piping

| CAB | |
|---|---|
| AM/FM radio | • |
| Anti-slip plate | • |
| Armrests | • |
| Ashtray | • |
| Auto control air conditioner* | • |
| Auxiliary function lever (AFL) | 0 |
| Cigarette lighter 24 V | • |
| Defroster | • |
| Drink holder | • |
| Electric horn | • |
| Floor mat | • |
| Glove compartment | • |
| OPG top guard, Level II | С |
| Rain guard | С |
| Reclining seat | • |
| Retractable seat belt | • |
| Rubber DAB radio antenna | • |
| ROPS/OPG cab | • |
| Seat: air suspension seat with heater | С |
| Seat : mechanical suspension seat with heater | • |
| Spare power supply 12V | С |
| Storage box | • |
| Sun visor | C |
| Transparent roof | • |
| USB Powre outlet (5V-20A) | • |
| Window washer | • |
| Wiper | • |
| 4 fluid-filled elastic mounts | • |

Standard equipment

LIGHTS Additional boom lights with cover \circ Additional cab roof front lights 0 Additional cab roof rear lights 0 Additional cab roof rear LED lights 0 Rotating lamp 0 • 2 working lights 4 working LED lights 0 (Boom x 1, Body x 1, Cab roof front x2)

UPPER STRUCTURE

| UPPER STRUCTURE | |
|--|---|
| Auxiliary overload relief valve | 0 |
| Batteries 2 x 52Ah | • |
| Battery disconnect switch | • |
| Electrical fuel feed pump with auto stop | • |
| Fuel level float | • |
| Pilot accumulator | 0 |
| Rear view camera | • |
| Rear view mirror (right, left side) | • |
| Tool box | • |
| Undercover | • |
| 1 300 kg counterweight | • |
| 1 820 kg counterweight | 0 |
| | |

O: Optional equipment

| UNDERCARRIAGE | |
|---------------------------------------|---|
| Blade | • |
| Reinforced track links with pin seals | • |
| Travel motor covers | • |
| 4 tie down hooks | • |
| 450 mm grouser shoe | • |
| 450 mm pad crawler shoe | 0 |
| 450 mm rubber shoe | 0 |
| 600 mm grouser shoe | 0 |

FRONT ATTACHMENTS

| Assist piping | 0 |
|--|---|
| Dirt seal on all bucket pins | • |
| Extra piping | • |
| Flanged pin | • |
| HN bushing | • |
| Reinforced resin thrust plate | • |
| WC (tungsten-carbide) thermal spraying | • |
| 1.62 m arm | 0 |
| 2.12 m arm | • |
| | |

MISCELLANEOUS

| Global e-service*** | • | |
|--------------------------|---|--|
| Theft deterrent system** | • | |

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

- * Contains fluorinated greenhouse gases, Refrigerant type: HFC-134a, GWP: 1430, Amount: 0.80 kg, CO2e: 1.14 ton.
- ** Hitachi Construction Machinery cannot be held liable for theft, any system will just minimize the risk of theft.
 *** It is possible to obtain information by connecting to Global e-service with a Hitachi genuine mobile terminal.

Prior to operating this machine, including satellite communication system, in a country other than a country of its intended use, it may be necessary to make modifications to it so that it complies with the local regulatory standards (including safety standards) and legal requirements of that particular country. Please do not export or operate this machine outside the country of its intended use until such compliance has been confirmed.

Please contact your Hitachi dealer in case of questions about compliance.

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.