

MATERIAL HANDLING MACHINE

ZAXIS 470LCH

A P P L I C A T I O N & A T T A C H M E N T



| | |
|--------------------|--------------------|
| Model Code | ZX470LCH-5B |
| Engine Rated Power | 270 kW (362 HP) |
| Operating Weight | 52 700 - 54 400 kg |

SPECIFICATIONS

ZX470LCH MATERIAL HANDLING

ENGINE

| | |
|-------------------------|---|
| Model | Isuzu AL-6UZ1XSA-01 |
| Type | 4-cycle water-cooled, common rail direct injection |
| Aspiration | Variable geometry turbocharged, intercooled, cooled EGR |
| After treatment | Muffler filter |
| No. of cylinders | 6 |
| Rated power | |
| ISO 9249, net | H/P mode: |
| (Without Fan) | 270 kW (362 HP) at 2 000 min ⁻¹ (rpm) |
| EEC 80/1269, net ... | H/P mode: |
| (Without Fan) | 270 kW (362 HP) at 2 000 min ⁻¹ (rpm) |
| SAE J1349, net | H/P mode: |
| (Without Fan) | 270 kW (362 HP) at 2 000 min ⁻¹ (rpm) |
| Maximum torque | 1 435 Nm (146 kgf m) at 1 500 min ⁻¹ (rpm) |
| Piston displacement ... | 9.839 L |
| Bore and stroke | 120 mm x 145 mm |
| Batteries | 2 x 12 V / 170 Ah |

HYDRAULIC SYSTEM

Hydraulic Pumps

| | |
|----------------------|--|
| Main pumps | 2 variable displacement axial piston pumps |
| Maximum oil flow ... | 2 x 400 L/min |
| Pilot pump | 1 gear pump |
| Maximum oil flow ... | 34 L/min |

Hydraulic Motors

| | |
|--------------|--|
| Travel | 2 axial piston motors with parking brake |
| Swing | 2 axial piston motors |

Relief Valve Settings

| | |
|-------------------------|-------------------------------------|
| Implement circuit | 31.9 MPa (325 kgf/cm ²) |
| Swing circuit | 26.0 MPa (265 kgf/cm ²) |
| Travel circuit | 35.3 MPa (360 kgf/cm ²) |
| Pilot circuit | 3.9 MPa (40 kgf/cm ²) |
| Power boost | 35.3 MPa (360 kgf/cm ²) |

Hydraulic Cylinders

| | Quantity | Bore | Rod diameter |
|------|----------|--------|--------------|
| Boom | 2 | 170 mm | 115 mm |
| Arm | 2 | 140 mm | 100 mm |

UPPERSTRUCTURE

Revolving Frame

Welded sturdy box construction, using heavy-gauge steel plates for ruggedness. 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, shear-type ball bearing with induction-hardened internal gear. Internal gear and pinion gear are immersed in lubricant. Swing parking brake is spring-set/hydraulic-released disc type.

Swing speed 9.0 min⁻¹ (rpm)

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 good visibility. Openable front windows (upper and lower). Reclining seat with armrests; adjustable with or without control levers.

* International Organization for Standardization

UNDERCARRIAGE

Tracks

Track shoes with triple grousers made of induction-hardened rolled alloy. Heat-treated connecting pins with dirt seals. Hydraulic (grease) track adjusters with shock-absorbing recoil springs.

Numbers of Rollers and Shoes on Each Side

| | |
|---------------------|----|
| Upper rollers | 3 |
| Lower rollers | 9 |
| Track shoes | 53 |
| Track guards | 2 |

Travel Device

Each track driven by axial piston motor through planetary reduction gear for counterrotation of the tracks. Sprockets are replaceable.

Parking brake is spring-set/hydraulic-released disc type.

Automatic transmission system: High-Low.

| | |
|---------------------|---------------------|
| Travel speeds | High: 0 to 5.5 km/h |
| | Low: 0 to 3.9 km/h |

Maximum traction force ... 329 kN (33 600 kgf)

Gradeability 18% (10 degree) continuous

WEIGHTS AND GROUND PRESSURE

Equipped with 9.50 m boom, 7.30 m gooseneck type arm.

| Triple grouser shoe | Operating weight | Ground pressure |
|---------------------|------------------|------------------------------------|
| 600 mm | 52 700 kg | 89 kPa (0.90 kgf/cm ²) |
| 750 mm | 53 500 kg | 73 kPa (0.74 kgf/cm ²) |
| 900 mm | 54 200 kg | 61 kPa (0.62 kgf/cm ²) |

Equipped with 9.50 m boom, 7.00 m tilt type arm.

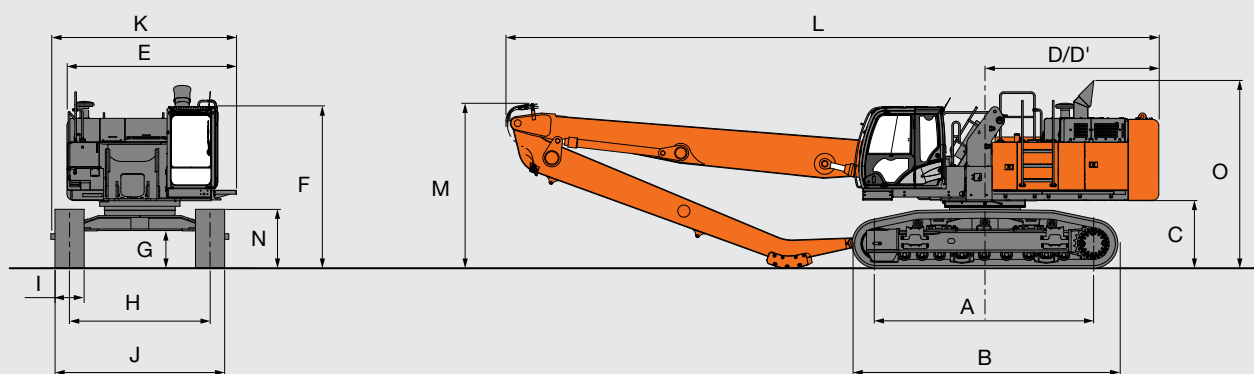
| Triple grouser shoe | Operating weight | Ground pressure |
|---------------------|------------------|------------------------------------|
| 600 mm | 53 000 kg | 90 kPa (0.91 kgf/cm ²) |
| 750 mm | 53 700 kg | 73 kPa (0.74 kgf/cm ²) |
| 900 mm | 54 400 kg | 62 kPa (0.63 kgf/cm ²) |

SERVICE REFILL CAPACITIES

| | |
|---------------------------------|---------|
| Fuel tank | 725.0 L |
| Engine coolant | 52.0 L |
| Engine oil | 41.0 L |
| Swing device (each side) | 6.5 L |
| Travel device (each side) | 11.0 L |
| Hydraulic system | 510.0 L |
| Hydraulic oil tank | 330.0 L |

GOOSENECK TYPE ARM

DIMENSION

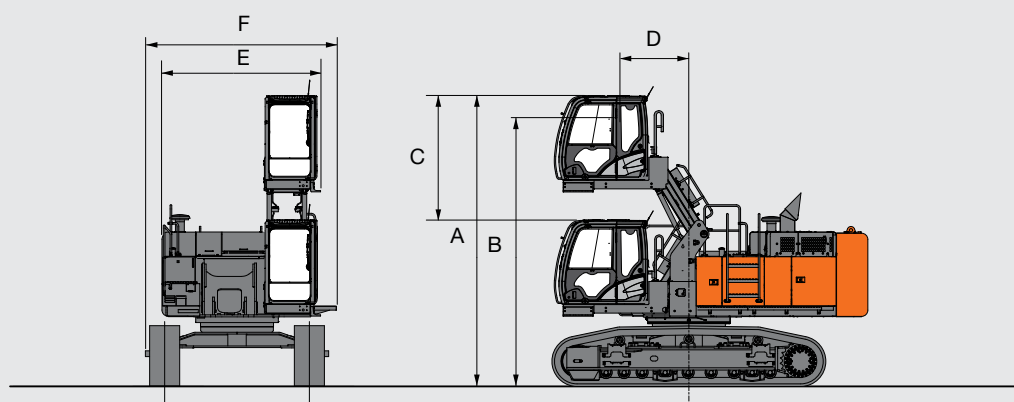


Unit: mm

| | | ZX470LCH | | |
|----|---|------------------------|------------------------|------------------------|
| A | Distance between tumblers | 4 470 | | |
| B | Undercarriage length | 5 470 | | |
| C | Counterweight clearance | 1 360 | | |
| D | Rear-end swing radius | 3 700 | | |
| D' | Rear-end length | 3 580 | | |
| E | Overall width of upperstructure | 3 480 | | |
| F | Overall height of cab | 3 320 | | |
| G | Min. ground clearance | 737 | | |
| H | Track gauge: Extended / Retracted | 2 890 / 2 390 | | |
| I | Track shoe width | G 600 | | |
| J | Undercarriage width: Extended / Retracted | G 600 3 490 / 2 990 | G 750 3 640 / 3 140 | G 900 3 790 / 3 290 |
| K | Overall width | 3 820 | | |
| L | Overall length | 13 530 | | |
| M | Overall height of boom | 3 400 | | |
| N | Track height | 1 220 | | |
| O | Overall height | 3 870 | | |

Excluding track shoe lug G: Triple grouser shoe

LINKAGE CAB



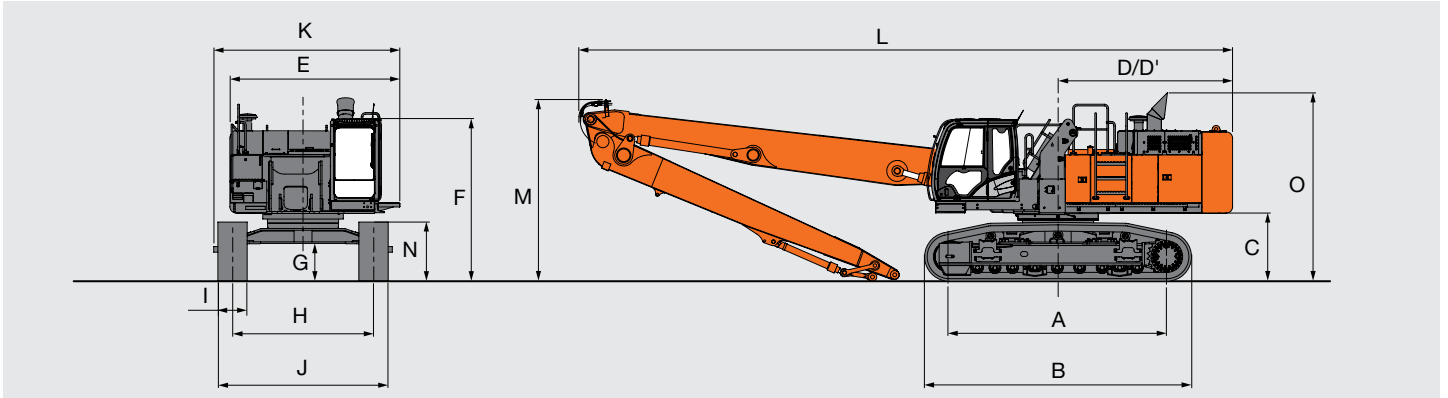
Unit: mm

| | | ZX470LCH | |
|---|---|----------------|--|
| A | Overall height of cab | 3 320 to 5 800 | |
| B | Operator's view point | 2 860 to 5 340 | |
| C | Lift stroke | 2 480 | |
| D | Operator's view between swing center | 1 610 to 1 600 | |
| E | Overall width upperstructure (Including cab sidewalk) | 3 170 | |
| F | Overall width (Including sidewalk) | 3 820 | |

SPECIFICATIONS

TILT TYPE ARM

DIMENSION



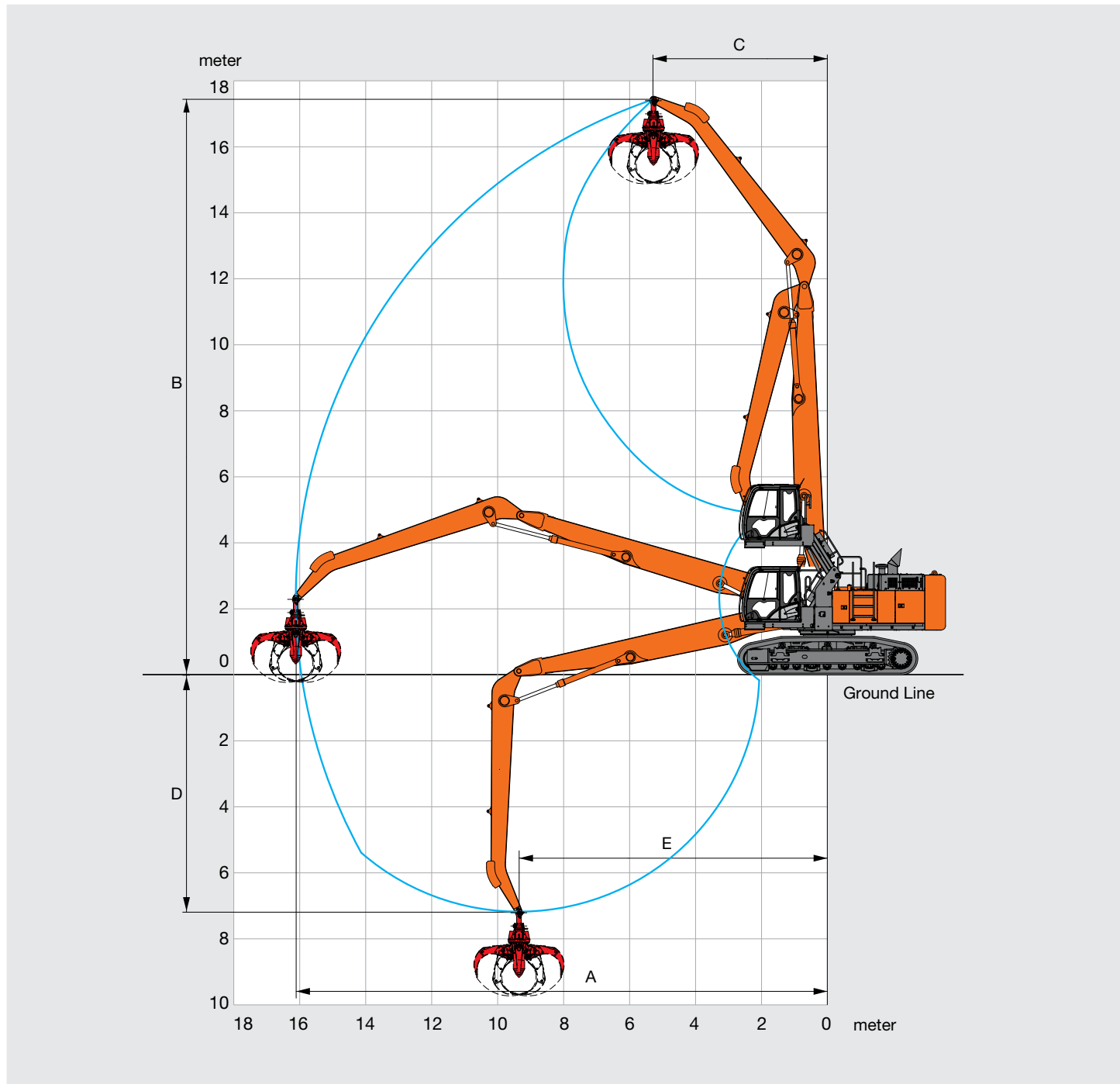
Unit: mm

| | | ZX470LCH | | |
|----|---|-----------------|---------------|---------------|
| A | Distance between tumblers | 4 470 | | |
| B | Undercarriage length | 5 470 | | |
| C | Counterweight clearance | 1 360 | | |
| D | Rear-end swing radius | 3 700 | | |
| D' | Rear-end length | 3 580 | | |
| E | Overall width of upperstructure | 3 480 | | |
| F | Overall height of cab | 3 320 | | |
| G | Min. ground clearance | 737 | | |
| H | Track gauge: Extended / Retracted | 2 890 / 2 390 | | |
| I | Track shoe width | G 600 | | |
| J | Undercarriage width: Extended / Retracted | G 600 | G 750 | G 900 |
| | | 3 490 / 2 990 | 3 640 / 3 140 | 3 790 / 3 290 |
| K | Overall width | 3 820 | | |
| L | Overall length | 13 400 | | |
| M | Overall height of boom | 3 770 | | |
| N | Track height | 1 220 | | |
| O | Overall height | 3 870 | | |

*Excluding track shoe lug G: Triple grouser shoe

GOOSENECK TYPE ARM

WORKING RANGES



Unit: mm

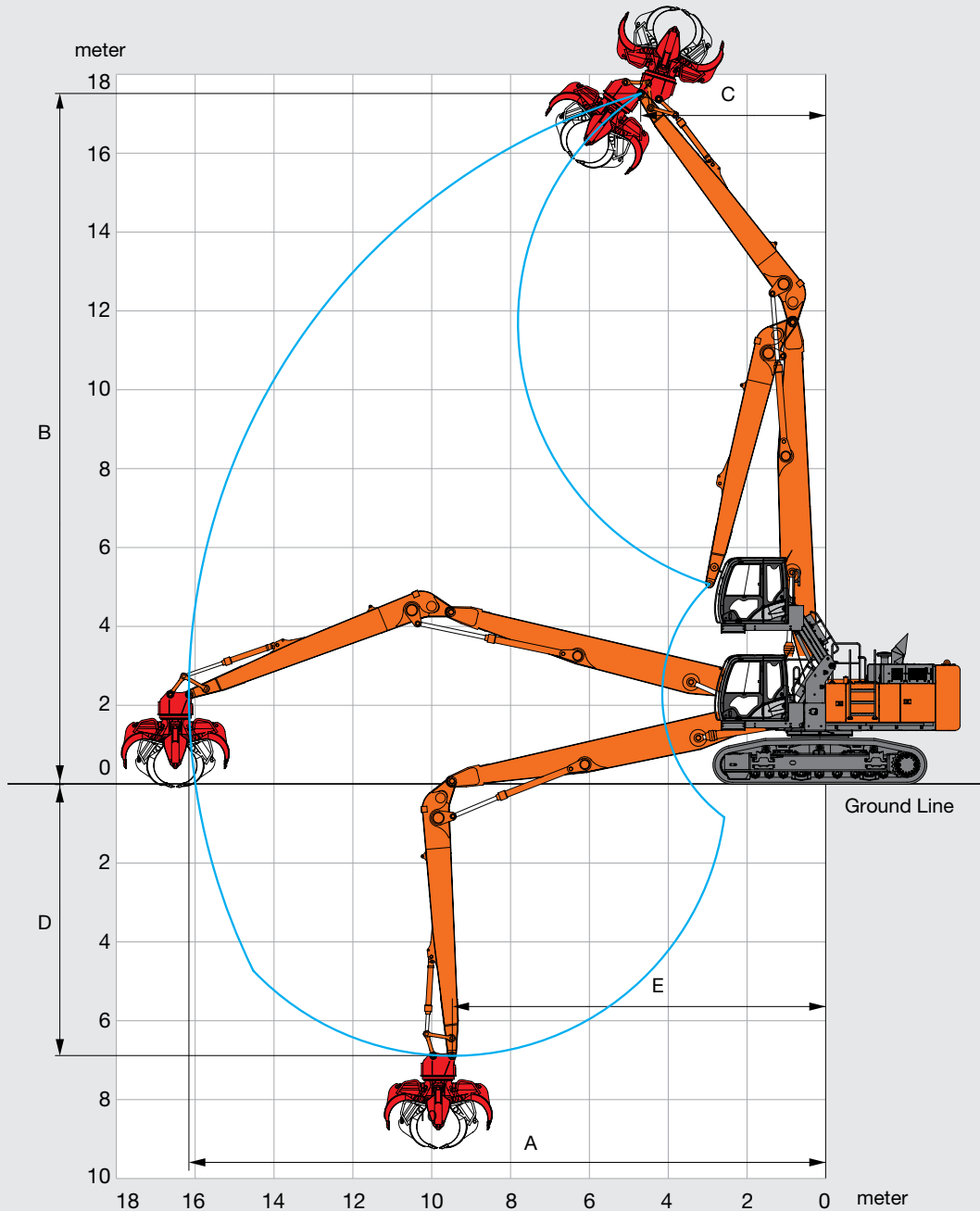
| Model | ZX470LCH |
|------------------------------|-----------------------|
| Boom length | 9.50 m |
| Arm length | 7.30 m Gooseneck type |
| A Max. arm point reach | 16 200 |
| B Max. arm point height | 17 500 |
| C Min. swing radius | 5 300 |
| D Max. arm point depth | 7 210 |
| E Max. arm point depth reach | 9 370 |

Excluding track shoe lug

SPECIFICATIONS

TILT TYPE ARM

WORKING RANGES



Unit: mm

| Model | ZX470LCH |
|------------------------------|------------------|
| Boom length | 9.50 m |
| Arm length | 7.00 m Tilt type |
| A Max. arm point reach | 16 080 |
| B Max. arm point height | 17 590 |
| C Min. swing radius | 4 570 |
| D Max. arm point depth | 6 930 |
| E Max. arm point depth reach | 9 380 |

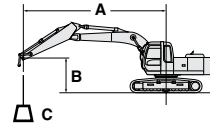
Excluding track shoe lug

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.

For lifting capacities, subtract bucket and quick hitch weight from lifting capacities.



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

ZX470LCH GOOSENECK TYPE ARM

Rating over-front Rating over-side or 360 degrees Unit: kg

| Conditions | Load point height m | Load radius | | | | | | | | | | | | |
|---|---------------------|-------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|--------|
| | | 3.0 m | | 4.5 m | | 6.0 m | | 7.5 m | | 9.0 m | | 10.5 m | | |
| | | | | | | | | | | | | | | |
| Boom 9.50 m Gooseneck type arm 7.30 m Counterweight 13 700 kg Shoe 600 mm | 16.5 | | | | | | | *5 770 | *5 770 | | | | | |
| | 15.0 | | | | | | | *7 180 | *7 180 | *5 990 | *5 990 | | | |
| | 13.5 | | | | | | | | | *7 060 | *7 060 | *5 880 | *5 880 | |
| | 12.0 | | | | | | | | | *7 760 | *7 760 | *6 920 | *6 920 | |
| | 10.5 | | | | | | | | | *8 370 | *8 370 | *7 730 | *7 730 | |
| | 9.0 | | | | | | | | *9 220 | *9 220 | *9 100 | *9 100 | *8 550 | *8 550 |
| | 7.5 | | | | | | | | *10 200 | *10 200 | *10 050 | *10 050 | *8 930 | *8 930 |
| | 6.0 | | | | | *11 620 | *11 620 | *12 110 | *12 110 | *10 420 | *10 420 | *9 130 | 9 040 | |
| | 4.5 | *17 360 | *17 360 | *18 490 | *18 490 | *15 750 | *15 750 | *12 800 | *12 800 | *10 800 | *10 800 | *9 330 | 8 740 | |
| | 3.0 | | | *20 810 | *20 810 | *16 830 | *16 830 | *13 360 | *13 360 | *11 090 | 10 450 | *9 460 | 8 430 | |
| | 1.5 | | | *4 600 | *4 600 | *17 270 | 17 190 | *13 610 | 12 750 | *11 190 | 10 000 | *9 460 | 8 120 | |
| | 0(Ground) | *1 190 | *1 190 | *3 520 | *3 520 | *9 070 | *9 070 | *13 380 | 12 190 | *11 000 | 9 620 | *9 250 | 7 870 | |
| | -1.5 | *2 000 | *2 000 | *3 710 | *3 710 | *7 310 | *7 310 | *12 620 | 11 820 | *10 450 | 9 350 | *8 770 | 7 670 | |
| | -3.0 | *2 820 | *2 820 | *4 250 | *4 250 | *7 090 | *7 090 | *11 340 | *11 340 | *9 510 | 9 180 | *7 990 | 7 540 | |
| -4.5 | | | *4 890 | *4 890 | *7 420 | *7 420 | *9 560 | *9 560 | *8 140 | *8 140 | *6 840 | *6 840 | | |
| -6.0 | | | | | *8 000 | *8 000 | *7 280 | *7 280 | *6 310 | *6 310 | *5 260 | *5 260 | | |

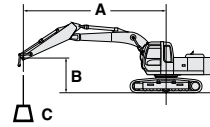
| Load point height m | Load radius | | | | | | At max. reach | | |
|---------------------|-------------|--------|--------|--------|--------|--------|---------------|--------|-------|
| | 12.0 m | | 13.5 m | | 15.0 m | | | | meter |
| | | | | | | | | | |
| 16.5 | | | | | | | *5 760 | *5 760 | 7.50 |
| 15.0 | | | | | | | *4 940 | *4 940 | 9.90 |
| 13.5 | | | | | | | *4 510 | *4 510 | 11.6 |
| 12.0 | *5 540 | *5 540 | | | | | *4 270 | *4 270 | 12.9 |
| 10.5 | *6 630 | *6 630 | *4 810 | *4 810 | | | *4 120 | *4 120 | 13.9 |
| 9.0 | *7 550 | *7 550 | *5 980 | *5 980 | | | *4 040 | *4 040 | 14.7 |
| 7.5 | *8 010 | 7 550 | *6 950 | 6 250 | *4 620 | *4 620 | *4 010 | *4 010 | 15.3 |
| 6.0 | *8 100 | 7 380 | *7 220 | 6 140 | *5 570 | 5 170 | *4 040 | *4 040 | 15.7 |
| 4.5 | *8 180 | 7 180 | *7 210 | 6 010 | *6 310 | 5 100 | *4 100 | *4 100 | 16.0 |
| 3.0 | *8 200 | 6 970 | *7 150 | 5 870 | *6 180 | 5 010 | *4 210 | *4 210 | 16.1 |
| 1.5 | *8 110 | 6 760 | *6 990 | 5 730 | *5 940 | 4 930 | *4 370 | *4 370 | 16.1 |
| 0(Ground) | *7 870 | 6 590 | *6 690 | 5 620 | *5 550 | 4 860 | *4 600 | 4 460 | 16.0 |
| -1.5 | *7 410 | 6 450 | *6 200 | 5 530 | *4 960 | 4 820 | *4 230 | *4 230 | 15.7 |
| -3.0 | *6 680 | 6 360 | *5 440 | *5 440 | *4 030 | *4 030 | *3 720 | *3 720 | 15.3 |
| -4.5 | *5 610 | *5 610 | *4 330 | *4 330 | | | *3 070 | *3 070 | 14.7 |
| -6.0 | *4 110 | *4 110 | | | | | | | |

LIFTING CAPACITIES

Notes: 1. Ratings are based on ISO 10567.

- 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.
- 0 m = Ground.

For lifting capacities, subtract bucket and quick hitch weight from lifting capacities.



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

ZX470LCH TILT TYPE ARM

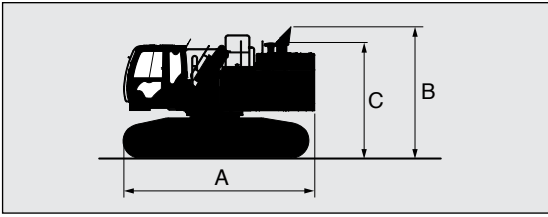
Rating over-front Rating over-side or 360 degrees Unit: kg

| Conditions | Load point height m | Load radius | | | | | | | | | | | |
|---------------|---------------------|-------------|--------|---------|---------|---------|---------|---------|---------|---------|---------|--------|--------|
| | | 3.0 m | | 4.5 m | | 6.0 m | | 7.5 m | | 9.0 m | | 10.5 m | |
| | | | | | | | | | | | | | |
| Boom 9.50 m | 16.5 | | | | | *7 870 | *7 870 | | | | | | |
| Tilt type arm | 15.0 | | | | | | | *7 720 | *7 720 | *6 380 | *6 380 | | |
| 7.00 m | 13.5 | | | | | | | *8 330 | *8 330 | *7 550 | *7 550 | *6 250 | *6 250 |
| Counterweight | 12.0 | | | | | | | | | *8 240 | *8 240 | *7 370 | *7 370 |
| 13 700 kg | 10.5 | | | | | | | | | *8 840 | *8 840 | *8 200 | *8 200 |
| Shoe 600 mm | 9.0 | | | | | | | *9 580 | *9 580 | *9 560 | *9 560 | *8 850 | *8 850 |
| | 7.5 | | | | | | | *10 550 | *10 550 | *10 180 | *10 180 | *9 010 | *9 010 |
| | 6.0 | | | | | *11 830 | *11 830 | *12 320 | *12 320 | *10 550 | *10 550 | *9 220 | 8 960 |
| | 4.5 | | | *21 040 | *21 040 | *16 090 | *16 090 | *13 000 | *13 000 | *10 920 | 10 840 | *9 410 | 8 680 |
| | 3.0 | | | *8 480 | *8 480 | *17 100 | *17 100 | *13 530 | 13 370 | *11 190 | 10 400 | *9 620 | 8 390 |
| | 1.5 | | | *2 770 | *2 770 | *12 890 | *12 890 | *13 710 | 12 720 | *11 250 | 9 980 | *9 490 | 8 110 |
| 0(Ground) | | | | *2 480 | *2 480 | *7 220 | *7 220 | *13 390 | 12 220 | *11 010 | 9 640 | *9 240 | 7 880 |
| | -1.5 | *1 400 | *1 400 | *3 000 | *3 000 | *6 320 | *6 320 | *12 530 | 11 900 | *10 390 | 9 400 | *8 710 | 7 700 |
| | -3.0 | | | *3 770 | *3 770 | *6 500 | *6 500 | *11 140 | *11 140 | *9 360 | 9 260 | *7 860 | 7 600 |
| | -4.5 | | | *4 610 | *4 610 | *7 120 | *7 120 | *9 250 | *9 250 | *7 910 | *7 910 | *6 630 | *6 630 |
| | -6.0 | | | | | *7 400 | *7 400 | *6 860 | *6 860 | *5 980 | *5 980 | *4 950 | *4 950 |

| Load point height m | Load radius | | | | | | At max. reach | | |
|---------------------|-------------|--------|--------|--------|--------|--------|---------------|--------|-------|
| | 12.0 m | | 13.5 m | | 15.0 m | | | | meter |
| | | | | | | | | | |
| 16.5 | | | | | | | *6 320 | *6 320 | 7.30 |
| 15.0 | | | | | | | *5 310 | *5 310 | 9.70 |
| 13.5 | | | | | | | *4 800 | *4 800 | 11.5 |
| 12.0 | *5 850 | *5 850 | | | | | *4 500 | *4 500 | 12.8 |
| 10.5 | *7 040 | *7 040 | *4 970 | *4 970 | | | *4 310 | *4 310 | 13.8 |
| 9.0 | *7 990 | 7 570 | *6 320 | 6 230 | | | *4 210 | *4 210 | 14.6 |
| 7.5 | *8 060 | 7 470 | *7 220 | 6 180 | *4 700 | *4 700 | *4 160 | *4 160 | 15.2 |
| 6.0 | *8 150 | 7 320 | *7 240 | 6 090 | *5 790 | 5 130 | *4 170 | *4 170 | 15.6 |
| 4.5 | *8 220 | 7 140 | *7 220 | 5 970 | *6 270 | 5 070 | *4 220 | *4 220 | 15.9 |
| 3.0 | *8 230 | 6 940 | *7 140 | 5 850 | *6 110 | 4 990 | *4 310 | *4 310 | 16.1 |
| 1.5 | *8 120 | 6 760 | *6 960 | 5 730 | *5 850 | 4 920 | *4 460 | 4 460 | 16.1 |
| 0(Ground) | *7 830 | 6 600 | *6 620 | 5 620 | *5 410 | 4 870 | *4 460 | *4 460 | 15.9 |
| -1.5 | *7 330 | 6 480 | *6 080 | 5 550 | *4 740 | *4 740 | *3 990 | *3 990 | 15.6 |
| -3.0 | *6 540 | 6 410 | *5 250 | *5 250 | *3 670 | *3 670 | *3 410 | *3 410 | 15.2 |
| -4.5 | *5 390 | *5 390 | *4 030 | *4 030 | | | *2 690 | *2 690 | 14.6 |
| -6.0 | *3 770 | *3 770 | | | | | | | |

TRANSPORTATION

BASIC MACHINE (WITHOUT COUNTERWEIGHT)



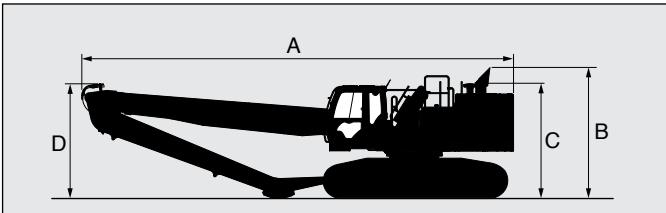
| Shoe width | A | B | C* ¹ | Overall width* ² | Weight |
|------------|----------|----------|-----------------|-----------------------------|-----------|
| 600 mm | 5 690 mm | 3 870 mm | 3 400 mm | 2 990 mm | 32 000 kg |
| 750 mm | | | | 3 140 mm | 32 800 kg |
| 900 mm | | | | 3 290 mm | 33 500 kg |

*¹ Without exhaust funnel

*² Undercarriage retracted

BASIC MACHINE FITTED WITH FRONT AND SIDEWALK

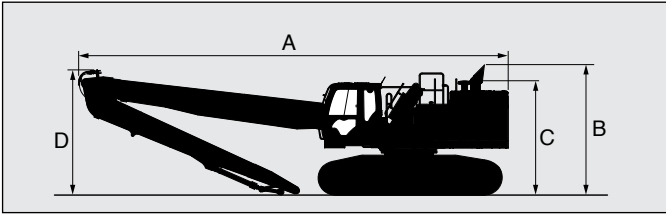
Gooseneck type arm



| | A | B | C* ¹ | D |
|----------------|-----------|----------|-----------------|----------|
| Gooseneck type | 12 890 mm | 3 870 mm | 3 400 mm | 3 400 mm |
| Tilt type | 12 730 mm | 3 870 mm | 3 400 mm | 3 770 mm |

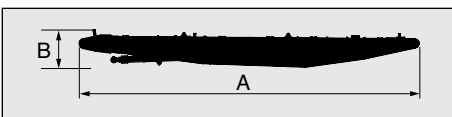
*¹ Without exhaust funnel

Tilt type arm

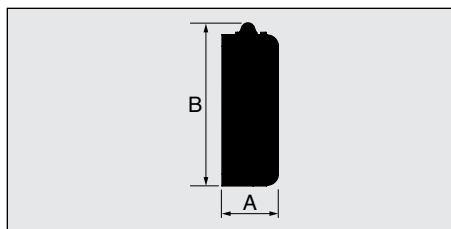


| Disassembly Conditions | | A mm | B mm | Width mm | Weight kg |
|------------------------|----------------|-------|-------|----------|-----------|
| Boom | Gooseneck type | 9 780 | 1 070 | 1 270 | 4 540 |
| | Tilt type | | | | 4 560 |
| Arm | Gooseneck type | 7 520 | 1 090 | 1 230 | 1 960 |
| | Tilt type | 7 200 | 950 | 1 230 | 2 170 |
| Counterweight | | 670 | 1 800 | 2 960 | 13 700 |
| Side Step (Front) | | 1 000 | 515 | 150 | 21 |
| Side Step (Rear) | | 1 700 | 515 | 150 | 34 |
| Ladder | | 1 770 | 750 | 430 | 23 |
| Boom Cylinder x2 | | 2 470 | 490 | 330 | 440 |
| Boom Hose x4 | | 1 100 | 100 | 100 | 9 |

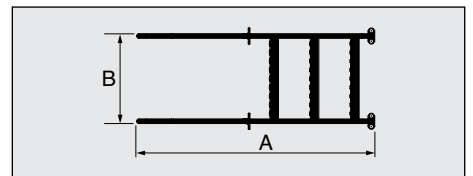
Boom



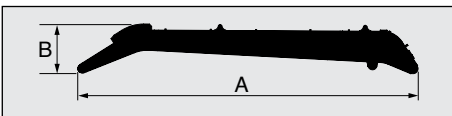
Counterweight



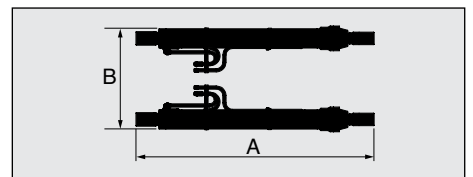
Ladder



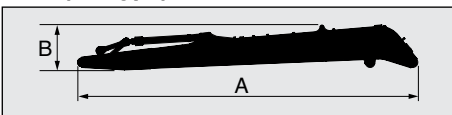
Arm (Gooseneck type)



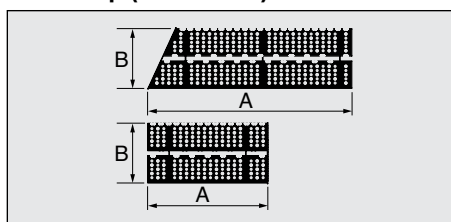
Boom Cylinder x2



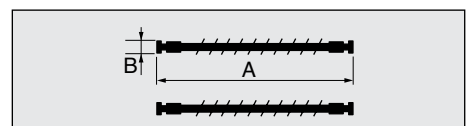
Arm (Tilt type)



Side Step (Front/Rear)



Boom Hose x4



EQUIPMENT

● Standard equipment ○ Optional equipment

ENGINE

| | |
|--|---|
| Auto idle system | ● |
| Cartridge-type engine oil filter | ● |
| Cartridge-type fuel filter | ● |
| Dry-type air double filter with evacuator valve (with air filter restriction switch for monitor) | ● |
| Fan guard | ● |
| Fuel main filter | ● |
| Fuel pre-filter | ● |
| Isolation-mounted engine | ● |
| Power mode control [H/P (High Power) PWR (Power) ECO (Economy)] | ● |
| Pre-cleaner | ○ |
| Radiator, oil cooler and intercooler with dust protective net | ● |
| Radiator reserve tank | ● |
| 50 A alternator | ● |

HYDRAULIC SYSTEM

| | |
|--|---|
| Auto power lift | ● |
| Boom mode selector system | ● |
| Control valve with main relief valve | ● |
| Drain filter | ● |
| Engine speed sensing system | ● |
| E-P control system | ● |
| Extra port for control valve | ● |
| Full-flow filter | ● |
| Hose rupture valve | ● |
| Pilot filter | ● |
| Power boost | ● |
| Quick warm-up system for pilot circuit | ● |
| Reliefvalve for attachment piping (open-close) | ● |
| Shockless valve in pilot circuit | ● |
| Suction filter | ● |
| Work mode selector | ● |

CAB

| | |
|--|---|
| Additional fuse box | ● |
| Adjustable armrests | ● |
| All-weather sound suppressed steel cab | ● |
| AM-FM radio | ● |
| Ashtray | ● |
| Auto control air conditioner | ● |
| Auto-idle selector | ● |
| AUX. function lever (assist) | ● |
| AUX. function lever (cab) | ● |
| AUX. terminal and storage | ● |
| Cab: Laminated round glass (green color) front window | ○ |
| Front window on upper, lower and left side can be opened | ● |
| Front lower guard (ISO Level 1) | ● |
| Front upper guard (ISO Level 1) | ● |
| Drink holder | ● |
| Engine shut-off switch | ● |
| Electric double horn | ● |
| Evacuation hammer | ● |
| Floor mat | ● |
| Footrest | ● |
| Front window washer | ● |
| Glove compartment | ● |
| Hot & cool box | ● |
| Intermittent windshield wiper | ● |
| LED room light with door courtesy | ● |
| Pilot control shut-off lever | ● |
| Retractable seat belt | ● |
| Rubber radio antenna | ● |
| Seat: Adjustable reclining air suspension with heater | ● |
| Short wrist control levers | ● |
| Storage box | ● |
| Sun visor (front) | ● |
| Sun visor (side) | ○ |
| Transparent roof with slide curtain | ● |
| 6 fluid-filled elastic mounts | ● |
| 12 V power outlet | ○ |
| 24 V cigarette lighter | ● |

MONITOR SYSTEM

| | |
|---|---|
| Alarm buzzers: overheat, engine oil pressure, overload | ● |
| Alarms: overheat, engine warning, engine oil pressure, alternator, minimum fuel level, air filter restriction, work mode, overload, etc | ● |
| Display of meters: water temperature, hour, fuel rate, clock | ● |
| Other displays: work mode, auto-idle, glow, rearview monitor, operating conditions etc | ● |

LIGHTS

| | |
|--|---|
| Additional working lights (boom right side, arm both side) | ● |
| 2 cab lights | ○ |
| 2 working lights | ● |

UPPER STRUCTURE

| | |
|---|---|
| Electric fuel refilling pump with auto stop | ● |
| Electrical grease pump with hose-reel | ● |
| Fuel level float | ● |
| Hydraulic oil level gauge | ● |
| Ladder | ● |
| Rear view camera | ● |
| Rear view mirror (right & left side) | ● |
| Sidewalk (cab side) | ● |
| Swing parking brake | ● |
| Tool box | ● |
| Utility space | ● |
| 170 Ah batteries | ● |
| 4.5 mm thickness undercover | ● |
| 13 700 kg counterweight | ● |

UNDERCARRIAGE

| | |
|---------------------------------------|---|
| Bolt-on sprocket | ● |
| Full track guard | ○ |
| Hydraulic track adjuster | ● |
| Idler track guard | ● |
| Reinforced track links with pin seals | ● |
| Travel motor covers | ● |
| Travel parking brake | ● |
| Track undercover | ○ |
| Upper and lower rollers | ● |
| 2 track guards (each side) | ● |
| 600 mm triple grouser shoes | ● |
| 750 mm shoe with standard track guard | ○ |
| 900 mm shoe with standard track guard | ○ |

FRONT ATTACHMENTS

| | |
|---|---|
| Additional pump (30 L/min) | ● |
| Attachment rotating piping | ● |
| Attachment piping (open-close) | ● |
| Centralized lubrication system | ● |
| Damage prevention plate and square bars | ● |
| Dirt seal on all bucket pins | ● |
| Flanged pin | ● |
| 7.00 m tilt type arm: Tilt cylinder Monolithically cast link A Reinforced link B | ○ |
| 7.30 m gooseneck type arm | ● |
| 9.50 m boom | ● |

MISCELLANEOUS

| | |
|--------------------------------------|---|
| Anti-slip steps and handrails | ● |
| Global e-Service | ● |
| Lockable fuel refilling cap | ● |
| Lockable machine covers | ● |
| Onboard information controller | ● |
| Standard tool kit | ● |
| Theft deterrent system* | ○ |
| Travel direction mark on track frame | ● |

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

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



Built on the foundation of superb technological capabilities, Hitachi Construction Machinery is committed to providing leading-edge solutions and services to contribute as a reliable partner to the business of customers worldwide.



Hitachi Environmental Vision 2025

The Hitachi Group released the Environmental Vision 2025 to curb annual carbon dioxide emissions. The Group is committed to global production while reducing environmental impact in life cycles of all products, and realizing a sustainable society by tackling three goals — prevention of global warming, recycling of resources, and enhancement of ecosystem.

Reducing Environmental Impact by New ZAXIS

Hitachi makes a green way to cut carbon emissions for global warming prevention according to LCA*. New ZAXIS utilizes lots of technological advances, including the new ECO mode, and Isochronous Control. Hitachi has long been committed to recycling of components, such as aluminum parts in radiators and oil cooler. Resin parts are marked for recycling.

*Life Cycle Assessment – ISO 14040

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, customer installed and modified parts, optional parts and all standard equipment with some differences in color and features. Before use, read and understand the Operator's Manual for proper operation.

