

# SPECIFICATIONS

## ENGINE

|                           |  |
|---------------------------|--|
| Model .....               | TOYOTA INDUSTRIES CORPORATION 1KDE                 |
| Type .....                | 4-cycle water-cooled, common rail direct injection |
| Aspiration .....          | Turbocharged, intercooled, cooled EGR              |
| Aftertreatment .....      | DOC+CSF system                                     |
| No. of cylinders .....    | 4  |
| Rated power               |  |
| ISO 14396 : 2002 .....    | 74 kW at 2 000 min <sup>-1</sup>                   |
| ISO 9249 : 2007 .....     | 73 kW at 2 000 min <sup>-1</sup>                   |
| Maximum torque .....      | 390 Nm at 1 700 min <sup>-1</sup>                  |
| Piston displacement ..... | 2.982 L  |
| Bore and stroke .....     | 96 mm x 103 mm                                     |
| Batteries .....           | 2 x 12 V / 74 Ah                                   |

## HYDRAULIC SYSTEM

### Hydraulic Pumps

|                        |  |
|------------------------|--|
| Main pumps .....       | 2 variable displacement axial piston pumps |
| Maximum oil flow ..... | 2 x 117 L/min                              |
| Pilot pump .....       | 1 gear pump                                |
| Maximum oil flow ..... | 33.6 L/min                                 |

### Hydraulic Motors

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

### Relief Valve Settings

|                         |          |
|-------------------------|----------|
| Implement circuit ..... | 34.3 MPa |
| Swing circuit .....     | 32.3 MPa |
| Travel circuit .....    | 34.3 MPa |
| Pilot circuit .....     | 3.9 MPa  |
| Power boost .....       | 36.3 MPa |

### Hydraulic Cylinders

Unit: mm

|                | Quantity | Bore | Rod diameter |
|----------------|----------|------|--------------|
| Boom           | 2        | 105  | 70           |
| Arm            | 1        | 115  | 80           |
| Bucket         | 1        | 100  | 70           |
| Positioning *1 | 1        | 140  | 95           |

\*1 : For 2-piece boom

## 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 .....  | 13.3 min <sup>-1</sup> |
| Swing torque ..... | 34 kNm                 |

## UNDERCARRIAGE

### Tracks

Heat-treated connecting pins with dirt seals. Hydraulic (grease) track adjusters with shock-absorbing recoil springs.

### Numbers of Rollers and Shoes on Each Side

|               | ZX130-7 / ZX135US-7 | ZX130LCN-7 |
|---------------|---------------------|------------|
| Upper rollers | 1                   | 2          |
| Lower rollers | 7                   | 7          |
| Track shoes   | 44                  | 46         |
| Track guards  | 1                   | 1          |

### 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 5.5 km/h<br>Low : 0 to 3.3 km/h |
| Maximum traction force ... | 117 kN                                      |
| Gradeability .....         | 70% (35 degree) continuous                  |

## ENVIRONMENT

### Engine Emissions

EU Stage V

### Sounds Level

#### ZX130-7 / ZX130LCN-7

Sound level in cab according to ISO 6396 : 2008 ..... LpA 69 dB(A)  
External sound level according to ISO 6395 : 2008 and  
EU Directive 2000/14/EC ..... LwA 98 dB(A)

#### ZX135US-7

Sound level in cab according to ISO 6396 : 2008..... LpA 69 dB(A)  
External sound level according to ISO 6395 : 2008 and  
EU Directive 2000/14/EC ..... LwA 99 dB(A)

### Air Conditioning System

The air conditioning system contains fluorinated greenhouse gases. Refrigerant type: HFC-134a, GWP: 1430, Amount: 0.85 kg, CO<sub>2</sub>e: 1.22 ton.

## SERVICE REFILL CAPACITIES

Unit: L

|                           | ZX130-7 / ZX130LCN-7 | ZX135US-7 |
|---------------------------|----------------------|-----------|
| Fuel tank                 | 285.0                | 200.0     |
| Engine coolant            | 19.0                 | 18.7      |
| Engine oil                | 19.1                 | 19.1      |
| Swing device              | 3.2                  | 3.2       |
| Travel device (each side) | 4.2                  | 4.2       |
| Hydraulic system          | 198.0                | 155.0     |
| Hydraulic oil tank        | 82.0                 | 61.0      |

## WEIGHTS AND GROUND PRESSURE

### Operating Weight and Ground Pressure

|                |                 |                | ZX130-7   |     |         |     | ZX130-7 with blade (optional) |     |         |     | ZX130LCN-7 |     |         |     |
|----------------|-----------------|----------------|-----------|-----|---------|-----|-------------------------------|-----|---------|-----|------------|-----|---------|-----|
| Boom type      |                 |                | Monoblock |     | 2-Piece |     | Monoblock                     |     | 2-Piece |     | Monoblock  |     | 2-Piece |     |
| Shoe type      | Shoe width (mm) | Arm length (m) | kg        | kPa | kg      | kPa | kg                            | kPa | kg      | kPa | kg         | kPa | kg      | kPa |
| Triple grouser | 500             | 2.10           | 13 600    | 43  | 14 200  | 44  | 14 800                        | 46  | 15 200  | 48  | 13 800     | 41  | 14 300  | 42  |
|                |                 | 2.52           | 13 700    | 43  | 14 200  | 44  | 14 800                        | 46  | 15 300  | 48  | 13 900     | 41  | 14 400  | 43  |
|                |                 | 3.01           | 13 800    | 43  | 14 300  | 45  | 14 900                        | 47  | 15 300  | 48  | 13 900     | 41  | 14 400  | 43  |
|                | 600             | 2.10           | 13 800    | 36  | 14 400  | 37  | 15 000                        | 39  | 15 400  | 40  | 14 000     | 34  | 14 500  | 36  |
|                |                 | 2.52           | 13 900    | 36  | 14 400  | 37  | 15 000                        | 39  | 15 500  | 40  | 14 100     | 35  | 14 600  | 36  |
|                |                 | 3.01           | 14 000    | 36  | 14 500  | 38  | 15 100                        | 39  | 15 600  | 41  | 14 200     | 35  | 14 600  | 36  |
|                | 700             | 2.10           | 14 000    | 31  | 14 500  | 32  | 15 200                        | 34  | 15 600  | 35  | 14 200     | 30  | 14 700  | 31  |
|                |                 | 2.52           | 14 100    | 31  | 14 600  | 32  | 15 300                        | 34  | 15 700  | 35  | 14 300     | 30  | 14 800  | 31  |
|                |                 | 3.01           | 14 200    | 31  | 14 700  | 33  | 15 300                        | 34  | 15 800  | 35  | 14 400     | 30  | 14 900  | 31  |
| Pad            | 500             | 2.10           | 13 500    | 42  | 14 000  | 43  | 14 600                        | 45  | 15 100  | 47  | –          | –   | –       | –   |
|                |                 | 2.52           | 13 600    | 42  | 14 100  | 44  | 14 700                        | 46  | 15 200  | 47  | –          | –   | –       | –   |
|                |                 | 3.01           | 13 700    | 42  | 14 200  | 44  | 14 800                        | 46  | 15 200  | 47  | –          | –   | –       | –   |

Including 0.52 m<sup>3</sup> (ISO 7451 : 2007 heaped) bucket weight (410 kg) and counterweight (3 000 kg).

|                |                 |                | ZX135US-7 |     |         |     | ZX135US-7 with blade (optional) |     |         |     |
|----------------|-----------------|----------------|-----------|-----|---------|-----|---------------------------------|-----|---------|-----|
| Boom type      |                 |                | Monoblock |     | 2-Piece |     | Monoblock                       |     | 2-Piece |     |
| Shoe type      | Shoe width (mm) | Arm length (m) | kg        | kPa | kg      | kPa | kg                              | kPa | kg      | kPa |
| Triple grouser | 500             | 2.10           | 14 300    | 45  | 14 700  | 46  | 15 300                          | 48  | 15 700  | 49  |
|                |                 | 2.52           | 14 300    | 45  | 14 800  | 46  | 15 400                          | 48  | 15 800  | 50  |
|                |                 | 3.01           | 14 400    | 45  | 14 800  | 47  | 15 400                          | 48  | 15 900  | 50  |
|                | 600             | 2.10           | 14 500    | 38  | 14 900  | 39  | 15 500                          | 41  | 16 000  | 42  |
|                |                 | 2.52           | 14 500    | 38  | 15 000  | 39  | 15 600                          | 41  | 16 000  | 42  |
|                |                 | 3.01           | 14 600    | 38  | 15 100  | 39  | 15 600                          | 41  | 16 100  | 42  |
|                | 700             | 2.10           | 14 700    | 33  | 15 200  | 34  | 15 700                          | 35  | 16 200  | 36  |
|                |                 | 2.52           | 14 800    | 33  | 15 200  | 34  | 15 800                          | 35  | 16 200  | 36  |
|                |                 | 3.01           | 14 800    | 33  | 15 300  | 34  | 15 900                          | 36  | 16 300  | 37  |
| Pad            | 500             | 2.10           | 14 100    | 44  | 14 600  | 45  | 15 200                          | 47  | 15 600  | 49  |
|                |                 | 2.52           | 14 200    | 44  | 14 600  | 46  | 15 200                          | 47  | 15 700  | 49  |
|                |                 | 3.01           | 14 300    | 44  | 14 700  | 46  | 15 300                          | 48  | 15 700  | 49  |

Including 0.52 m<sup>3</sup> (ISO 7451 : 2007 heaped) bucket weight (410 kg) and counterweight (3 550 kg).

# SPECIFICATIONS

## BASIC MACHINE WEIGHT AND COMPONENTS WEIGHT

### Basic Machine Weight and Overall Width

Excluding front end attachment, fuel, hydraulic oil and coolant etc. Including counterweight.

| Shoe Type      | Shoe width (mm) | ZX130-7     |                    | ZX130-7 with blade (optional) |                    | ZX130LCN-7  |                    |
|----------------|-----------------|-------------|--------------------|-------------------------------|--------------------|-------------|--------------------|
|                |                 | Weight (kg) | Overall width (mm) | Weight (kg)                   | Overall width (mm) | Weight (kg) | Overall width (mm) |
| Triple grouser | 500             | 10 900      | 2 490              | 12 000                        | 2 490              | 11 000      | 2 490              |
|                | 600             | 11 100      | 2 590              | 12 200                        | 2 590              | 11 300      | 2 590              |
|                | 700             | 11 300      | 2 690              | 12 400                        | 2 690              | 11 500      | 2 690              |
| Pad            | 500             | 10 800      | 2 490              | 11 900                        | 2 490              | -           | -                  |

| Shoe Type      | Shoe width (mm) | ZX135US-7   |                    | ZX135US-7 with blade (optional) |                    |
|----------------|-----------------|-------------|--------------------|---------------------------------|--------------------|
|                |                 | Weight (kg) | Overall width (mm) | Weight (kg)                     | Overall width (mm) |
| Triple grouser | 500             | 11 600      | 2 490              | 12 700                          | 2 490              |
|                | 600             | 11 900      | 2 590              | 12 900                          | 2 590              |
|                | 700             | 12 100      | 2 690              | 13 100                          | 2 690              |
| Pad            | 500             | 11 500      | 2 490              | 12 500                          | 2 490              |

### Components Weight

Unit: kg

|   | ZX130-7 / ZX130LCN-7 | ZX135US-7 |
|---|----------------------|-----------|
| Counterweight   | 3 000                | 3 550     |
| Monoblock boom<br>(with arm cylinder and boom cylinder) | 1 260                | 1 330     |
| 2-Piece boom<br>(with arm cylinder and boom cylinder)   | 1 750                | 1 720     |
| Arm 2.10 m (with bucket cylinder)                       | 530                  | 530       |
| Arm 2.52 m (with bucket cylinder)                       | 610                  | 610       |
| Arm 3.01 m (with bucket cylinder)                       | 680                  | 680       |
| Bucket ISO 7451 : 2007 0.52 m <sup>3</sup>              | 410                  | 410       |

## BUCKET AND ARM DIGGING FORCE

Unit: kN

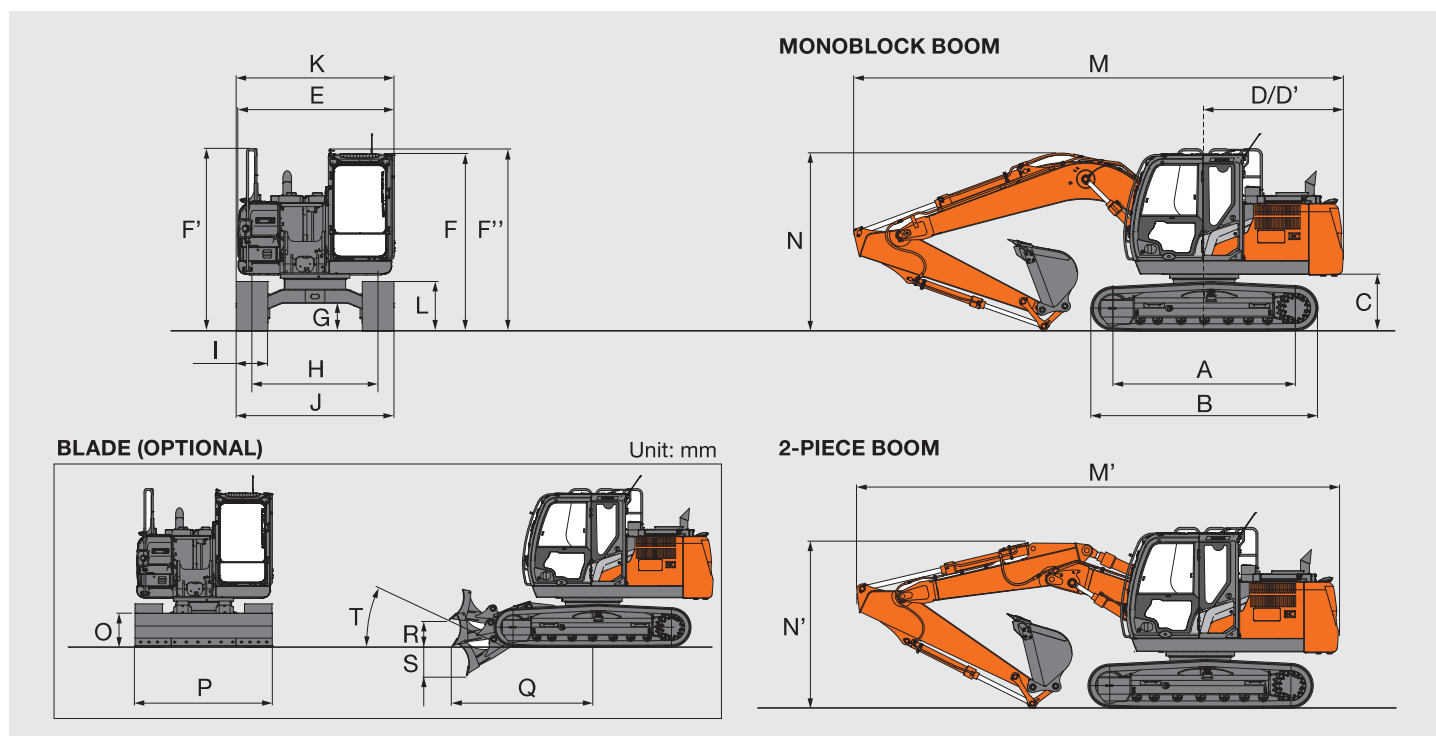
| Arm length                            | ZX130-7 / ZX130LCN-7 |        |        | ZX135US-7 |        |        |
|---------------------------------------|----------------------|--------|--------|-----------|--------|--------|
|                                       | 2.10 m               | 2.52 m | 3.01 m | 2.10 m    | 2.52 m | 3.01 m |
| Bucket digging force* ISO 6015 : 2006 | 104                  | 104    | 104    | 104       | 104    | 104    |
| Arm crowd force* ISO 6015 : 2006      | 77                   | 69     | 61     | 77        | 69     | 61     |

\* At power boost

# SPECIFICATIONS

## ZX130-7 / ZX130LCN-7

### DIMENSIONS



Unit: mm

|  | ZX130-7 | ZX130LCN-7 |
|--|---------|------------|
| A Distance between tumblers  | 2 880   | 3 050      |
| B Undercarriage length   | 3 580   | 3 750      |
| *1 C Counterweight clearance                                       | 840     | 840        |
| D Rear-end swing radius  | 2 190   | 2 190      |
| D' Rear-end length   | 2 190   | 2 190      |
| E Overall width of upperstructure                                  | 2 460   | 2 460      |
| F Overall height of cab  | 2 790   | 2 790      |
| F' Overall height of handrail                                      | 2 870   | 2 870      |
| F'' Overall height of handrail (on cab)                            | 2 870   | 2 870      |
| *1 G Min. ground clearance   | 410     | 410        |
| H Track gauge  | 1 990   | 1 990      |
| I Track shoe width   | G 500   | G 500      |
| J Undercarriage width  | 2 490   | 2 490      |
| K Overall width  | 2 490   | 2 490      |
| *1 L Track height with triple grouser shoes                        | 790     | 790        |
| <b>MONOBLOCK BOOM</b>  |         |            |
| M Overall length   |         |            |
| With arm 2.10 m  | 7 700   | 7 700      |
| With arm 2.52 m  | 7 700   | 7 700      |
| With arm 3.01 m  | 7 710   | 7 710      |
| N Overall height of boom   |         |            |
| With arm 2.10 m  | 2 670   | 2 670      |
| With arm 2.52 m  | 2 800   | 2 800      |
| *2 With arm 3.01 m   | 2 680   | 2 680      |
| <b>2-PIECE BOOM</b>  |         |            |
| M' Overall length  |         |            |
| With arm 2.10 m  | 7 650   | 7 650      |
| With arm 2.52 m  | 7 650   | 7 650      |
| With arm 3.01 m  | 7 650   | 7 650      |
| N' Overall height of boom  |         |            |
| With arm 2.10 m  | 2 490   | 2 490      |
| With arm 2.52 m  | 2 650   | 2 650      |
| *2 With arm 3.01 m   | 2 610   | 2 610      |
| O Blade height   | 600     | 600        |
| P Blade width  | 2 490   | 2 490      |
| Q Distance between the front end of blade and the axis of rotation | 2 540   | 2 540      |
| R Blade maximum lifting  | 480     | 480        |
| S Blade maximum lowering   | 530     | 530        |
| T Blade approach angle   | 23 °    | 23 °       |

\*1 Excluding track shoe lug

\*2 The dimensions asterisked are for transport pin position

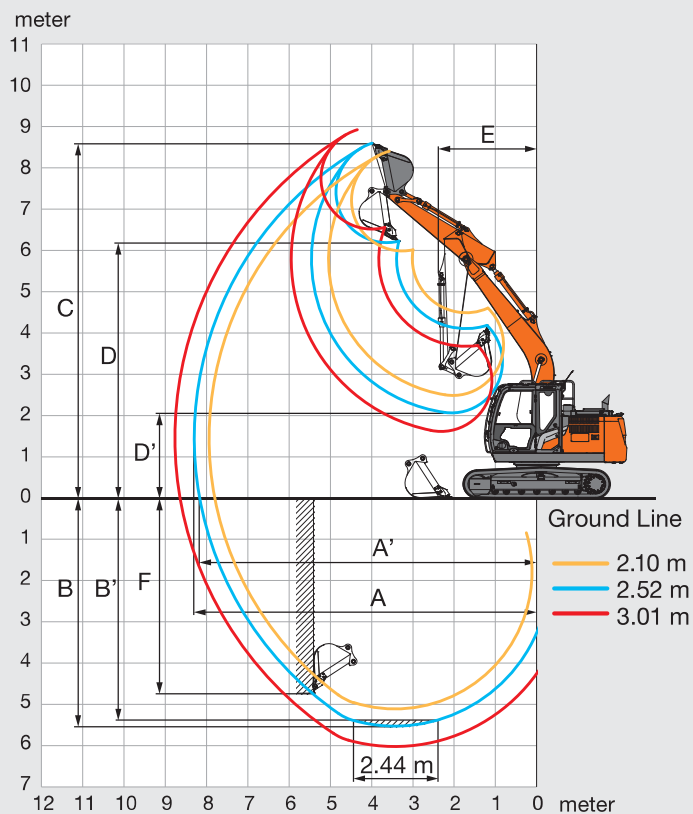
G: Triple grouser shoe

# SPECIFICATIONS

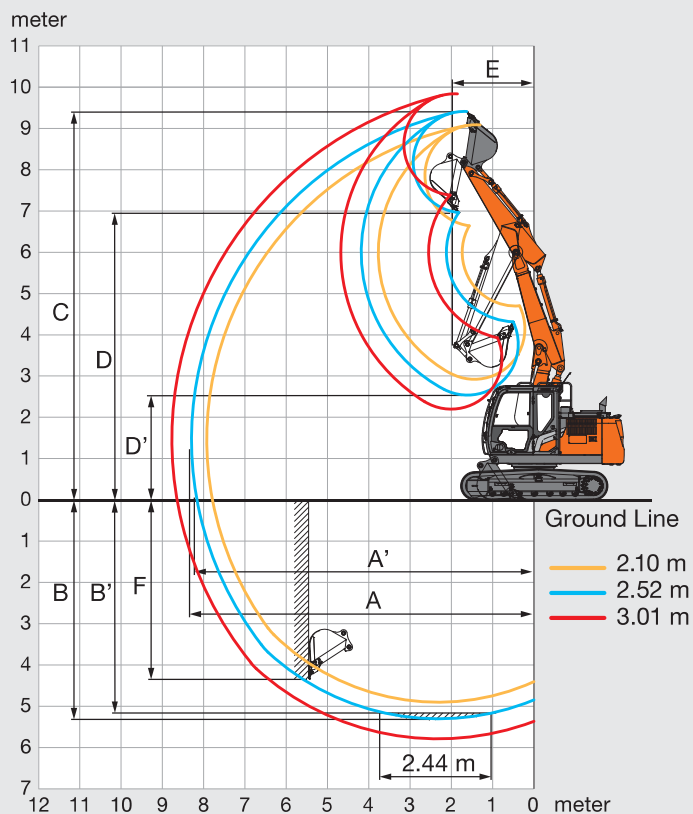
## ZX130-7 / ZX130LCN-7

### WORKING RANGES

#### MONOBLOCK BOOM



#### 2-PIECE BOOM



Unit: mm

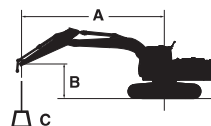
| Front Type                             | ZX130-7 / ZX130LCN-7 |        |        |              |        |        |
|--|----------------------|--------|--------|--------------|--------|--------|
|  | Monoblock boom       |        |        | 2-Piece boom |        |        |
| Arm length                             | 2.10 m               | 2.52 m | 3.01 m | 2.10 m       | 2.52 m | 3.01 m |
| A Max. digging reach                   | 7 940                | 8 300  | 8 770  | 7 930        | 8 300  | 8 780  |
| A' Max. digging reach (on ground)      | 7 800                | 8 170  | 8 650  | 7 800        | 8 180  | 8 660  |
| B Max. digging depth                   | 5 120                | 5 540  | 6 030  | 4 910        | 5 310  | 5 800  |
| B' Max. digging depth for 2.44 m level | 4 870                | 5 310  | 5 840  | 4 770        | 5 180  | 5 680  |
| C Max. cutting height                  | 8 400                | 8 600  | 8 930  | 9 100        | 9 420  | 9 850  |
| D Max. dumping height                  | 5 990                | 6 190  | 6 520  | 6 640        | 6 960  | 7 390  |
| D' Min. dumping height                 | 2 490                | 2 070  | 1 610  | 2 920        | 2 540  | 2 200  |
| E Min. swing radius                    | 2 380                | 2 400  | 2 620  | 1 780        | 1 850  | 2 040  |
| F Max. vertical wall digging depth     | 4 450                | 4 750  | 5 220  | 3 980        | 4 330  | 4 810  |

Excluding track shoe lug

# MACHINE CAPACITIES

## ZX130-7 / ZX130LCN-7

- Notes: 1. Ratings are based on ISO 10567 : 2007.  
 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: Machine capacity

For machine capacities, subtract installed attachment and quick hitch weight from machine capacities.

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

Optional feature may affect machine performance.

### ZX130-7 MONOBLOCK BOOM

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

| Conditions   | Load point height m | Load radius |        |        |        |        |        |        |       |        |       | At max. reach |        |       |
|--|---------------------|-------------|--------|--------|--------|--------|--------|--------|-------|--------|-------|---------------|--------|-------|
|  |                     | 1.5 m       |        | 3.0 m  |        | 4.5 m  |        | 6.0 m  |       | 7.5 m  |       |               |        | meter |
|  |                     |             |        |        |        |        |        |        |       |        |       |               |        |       |
| Boom 4.60 m<br>Arm 2.10 m<br>Counterweight<br>3 000 kg | 4.5                 |             |        |        |        | *3 970 | *3 970 |        |       |        |       | *2 780        | 2 640  | 5.96  |
|  | 3.0                 |             |        | *6 750 | *6 750 | *4 730 | 3 930  | 3 650  | 2 570 |        |       | *2 750        | 2 250  | 6.52  |
|  | 1.5                 |             |        |        |        | 5 460  | 3 710  | 3 560  | 2 480 |        |       | *2 890        | 2 110  | 6.71  |
|  | 0 (Ground)          |             |        | *5 610 | *5 610 | 5 290  | 3 560  | 3 490  | 2 420 |        |       | 3 090         | 2 150  | 6.54  |
|  | -1.5                | *4 880      | *4 880 | *8 820 | 6 430  | 5 250  | 3 520  | 3 480  | 2 410 |        |       | 3 480         | 2 410  | 6.00  |
|  | -3.0                |             |        | *7 210 | 6 550  | *4 900 | 3 590  |        |       |        |       | *4 180        | 3 180  | 4.95  |
| Boom 4.60 m<br>Arm 2.52 m<br>Counterweight<br>3 000 kg | 4.5                 |             |        |        |        | *3 560 | *3 560 | *3 330 | 2 630 |        |       | *2 290        | *2 290 | 6.36  |
|  | 3.0                 |             |        | *5 890 | *5 890 | *4 340 | 3 950  | 3 640  | 2 560 |        |       | *2 280        | 2 050  | 6.90  |
|  | 1.5                 |             |        | *8 070 | 6 680  | *5 320 | 3 710  | 3 540  | 2 460 |        |       | *2 410        | 1 930  | 7.07  |
|  | 0 (Ground)          |             |        | *6 490 | 6 360  | 5 260  | 3 530  | 3 450  | 2 380 |        |       | *2 700        | 1 960  | 6.92  |
|  | -1.5                | *4 630      | *4 630 | *9 100 | 6 320  | 5 190  | 3 460  | 3 410  | 2 350 |        |       | 3 120         | 2 160  | 6.40  |
|  | -3.0                | *8 530      | *8 530 | *7 790 | 6 420  | 5 230  | 3 500  |        |       |        |       | 3 980         | 2 730  | 5.44  |
| Boom 4.60 m<br>Arm 3.01 m<br>Counterweight<br>3 000 kg | 6.0                 |             |        |        |        |        |        |        |       |        |       | *2 110        | *2 110 | 5.97  |
|  | 4.5                 |             |        |        |        | *3 080 | *3 080 | *3 130 | 2 660 |        |       | *1 970        | *1 970 | 6.88  |
|  | 3.0                 |             |        | *4 890 | *4 890 | *3 890 | *3 890 | *3 440 | 2 580 |        |       | *1 970        | 1 840  | 7.38  |
|  | 1.5                 |             |        | *7 670 | 6 830  | *4 940 | 3 740  | 3 540  | 2 460 | *2 230 | 1 750 | *2 060        | 1 740  | 7.54  |
|  | 0 (Ground)          |             |        | *7 100 | 6 360  | 5 260  | 3 520  | 3 430  | 2 360 |        |       | *2 280        | 1 750  | 7.39  |
|  | -1.5                | *4 090      | *4 090 | *8 890 | 6 240  | 5 140  | 3 410  | 3 370  | 2 300 |        |       | *2 700        | 1 900  | 6.92  |
|  | -3.0                | *7 150      | *7 150 | *8 340 | 6 290  | 5 140  | 3 420  | 3 400  | 2 330 |        |       | 3 370         | 2 310  | 6.04  |
|  | -4.5                |             |        | *6 030 | *6 030 | *3 710 | 3 570  |        |       |        |       | *3 700        | 3 570  | 4.50  |











### ZX130LCN-7 MONOBLOCK BOOM

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

| Conditions   | Load point height m | Load radius |        |        |        |        |        |        |       |        |       | At max. reach |        |       |
|--|---------------------|-------------|--------|--------|--------|--------|--------|--------|-------|--------|-------|---------------|--------|-------|
|  |                     | 1.5 m       |        | 3.0 m  |        | 4.5 m  |        | 6.0 m  |       | 7.5 m  |       |               |        | meter |
|  |                     |             |        |        |        |        |        |        |       |        |       |               |        |       |
| Boom 4.60 m<br>Arm 2.10 m<br>Counterweight<br>3 000 kg | 4.5                 |             |        |        |        | *3 970 | *3 970 |        |       |        |       | *2 780        | 2 660  | 5.96  |
|  | 3.0                 |             |        | *6 750 | *6 750 | *4 730 | 3 950  | 3 930  | 2 580 |        |       | *2 750        | 2 270  | 6.52  |
|  | 1.5                 |             |        |        |        | *5 620 | 3 730  | 3 840  | 2 500 |        |       | *2 890        | 2 130  | 6.71  |
|  | 0 (Ground)          |             |        | *5 610 | *5 610 | 5 770  | 3 590  | 3 770  | 2 430 |        |       | *3 250        | 2 170  | 6.54  |
|  | -1.5                | *4 880      | *4 880 | *8 820 | 6 470  | 5 720  | 3 550  | 3 760  | 2 430 |        |       | 3 760         | 2 430  | 6.00  |
|  | -3.0                |             |        | *7 210 | 6 590  | *4 900 | 3 620  |        |       |        |       | *4 180        | 3 200  | 4.95  |
| Boom 4.60 m<br>Arm 2.52 m<br>Counterweight<br>3 000 kg | 4.5                 |             |        |        |        | *3 560 | *3 560 | *3 330 | 2 640 |        |       | *2 290        | *2 290 | 6.36  |
|  | 3.0                 |             |        | *5 890 | *5 890 | *4 340 | 3 970  | *3 740 | 2 580 |        |       | *2 280        | 2 070  | 6.90  |
|  | 1.5                 |             |        | *8 070 | 6 720  | *5 320 | 3 730  | 3 820  | 2 480 |        |       | *2 410        | 1 940  | 7.07  |
|  | 0 (Ground)          |             |        | *6 490 | 6 400  | 5 740  | 3 550  | 3 730  | 2 390 |        |       | *2 700        | 1 970  | 6.92  |
|  | -1.5                | *4 630      | *4 630 | *9 100 | 6 360  | 5 660  | 3 480  | 3 700  | 2 360 |        |       | *3 290        | 2 170  | 6.40  |
|  | -3.0                | *8 530      | *8 530 | *7 790 | 6 460  | *5 290 | 3 520  |        |       |        |       | *4 040        | 2 750  | 5.44  |
| Boom 4.60 m<br>Arm 3.01 m<br>Counterweight<br>3 000 kg | 6.0                 |             |        |        |        |        |        |        |       |        |       | *2 110        | *2 110 | 5.97  |
|  | 4.5                 |             |        |        |        | *3 080 | *3 080 | *3 130 | 2 680 |        |       | *1 970        | *1 970 | 6.88  |
|  | 3.0                 |             |        | *4 890 | *4 890 | *3 890 | *3 890 | *3 440 | 2 590 |        |       | *1 970        | 1 850  | 7.38  |
|  | 1.5                 |             |        | *7 670 | 6 870  | *4 940 | 3 760  | 3 830  | 2 480 | *2 230 | 1 760 | *2 060        | 1 750  | 7.54  |
|  | 0 (Ground)          |             |        | *7 100 | 6 400  | 5 740  | 3 540  | 3 710  | 2 370 |        |       | *2 280        | 1 760  | 7.39  |
|  | -1.5                | *4 090      | *4 900 | *8 890 | 6 280  | 5 620  | 3 440  | 3 650  | 2 320 |        |       | *2 700        | 1 920  | 6.92  |
|  | -3.0                | *7 150      | *7 150 | *8 340 | 6 330  | *5 590 | 3 440  | 3 680  | 2 340 |        |       | *3 620        | 2 330  | 6.04  |
|  | -4.5                |             |        | *6 030 | *6 030 | *3 710 | 3 600  |        |       |        |       | *3 700        | 3 590  | 4.50  |











**ZX130-7 2-PIECE BOOM**

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

| Conditions  | Load point height m | Load radius   |   |   |   |   |   |   |  |   |   | At max. reach |        |      |
|---|---------------------|---|---|---|---|---|---|---|--|---|---|---------------|--------|------|
|   |                     | 1.5 m   |   | 3.0 m   |   | 4.5 m   |   | 6.0 m   |  | 7.5 m   |   | meter         |        |      |
|   |                     |  |  |  |  |  |  |  |  |  |  |               |        |      |
| 2-Piece Boom<br>Arm 2.10 m<br>Counterweight<br>3 000 kg | 7.5                 |   |   |   |   |   |   |   |  |   |   | *4 560        | *4 560 | 2.64 |
|   | 6.0                 |   |   | *4 810  | *4 810  | *4 210  | 4 180   |   |  |   |   | *3 130        | *3 130 | 4.86 |
|   | 4.5                 |   |   | *5 120  | *5 120  | *4 310  | *4 220  |   |  |   |   | *2 800        | 2 610  | 5.95 |
|   | 3.0                 | *10 630   | *10 630   | *8 140  | 7 470   | *4 820  | *4 130  | *3 660  | 2 590  |   |   | *2 730        | 2 220  | 6.52 |
|   | 1.5                 | *8 810  | *8 810  | *9 170  | *7 220  | 5 580   | 4 090   | 3 620   | 2 520  |   |   | *2 840        | 2 070  | 6.70 |
|   | 0 (Ground)          | *9 060  | *9 060  | *9 460  | 7 050   | *5 600  | 3 850   | 3 520   | 2 420  |   |   | *3 070        | 2 110  | 6.54 |
|   | -1.5                | *13 540   | *13 540   | *9 620  | 6 720   | 5 400   | 3 620   |   |  |   |   | *3 150        | 2 370  | 5.99 |
|   | -3.0                | *17 030   | *17 030   | *7 920  | 6 610   | *3 720  | 3 570   |   |  |   |   | *3 180        | *3 180 | 4.68 |
| 2-Piece Boom<br>Arm 2.52 m<br>Counterweight<br>3 000 kg | 7.5                 |   |   | *4 160  | *4 160  |   |   |   |  |   |   | *3 300        | *3 300 | 3.50 |
|   | 6.0                 |   |   | *3 840  | *3 840  | *3 840  | *3 840  |   |  |   |   | *2 530        | *2 520 | 5.37 |
|   | 4.5                 |   |   | *3 900  | *3 900  | *4 030  | *4 030  | *3 220  | 2 640  |   |   | *2 300        | *2 300 | 6.37 |
|   | 3.0                 | *10 600   | *10 600   | *7 020  | *7 020  | *4 500  | *4 120  | *3 430  | 2 630  |   |   | *2 270        | 2 010  | 6.90 |
|   | 1.5                 | *10 620   | *10 620   | *9 160  | 7 240   | *5 410  | *4 000  | 3 610   | 2 550  |   |   | *2 370        | 1 890  | 7.07 |
|   | 0 (Ground)          | *9 260  | *9 260  | *9 360  | 7 140   | 5 460   | 3 870   | 3 520   | 2 420  |   |   | *2 620        | 1 910  | 6.92 |
|   | -1.5                | *12 090   | *12 090   | *9 460  | 6 720   | 5 410   | 3 620   | 3 420   | 2 330  |   |   | *3 080        | 2 120  | 6.41 |
|   | -3.0                | *15 360   | *15 360   | *8 840  | 6 550   | *4 900  | 3 500   |   |  |   |   | *2 680        | *2 680 | 5.36 |
| 2-Piece Boom<br>Arm 3.01 m<br>Counterweight<br>3 000 kg | 7.5                 |   |   |   |   | *3 300  | *3 300  |   |  |   |   | *2 640        | *2 640 | 4.40 |
|   | 6.0                 |   |   |   |   | *3 460  | *3 460  | *3 080  | 2 710  |   |   | *2 150        | *2 150 | 5.98 |
|   | 4.5                 |   |   |   |   | *3 460  | *3 460  | *3 080  | 2 710  |   |   | *1 980        | *1 980 | 6.89 |
|   | 3.0                 |   |   | *4 540  | *4 540  | *4 180  | 4 120   | *3 220  | 2 700  |   |   | *1 960        | 1 800  | 7.38 |
|   | 1.5                 | *11 190   | *11 190   | *8 800  | *7 250  | *4 990  | 3 990   | *3 510  | 2 610  | *2 250  | 1 720   | *2 030        | 1 700  | 7.55 |
|   | 0 (Ground)          | *10 050   | *10 050   | *9 260  | 7 010   | *5 430  | 3 920   | *3 530  | 2 460  |   |   | *2 220        | 1 710  | 7.40 |
|   | -1.5                | *11 130   | *11 130   | *9 330  | 6 750   | 5 480   | 3 680   | 3 430   | 2 330  |   |   | *2 590        | 1 860  | 6.93 |
|   | -3.0                | *14 190   | *14 190   | *9 410  | 6 560   | 5 250   | 3 470   | *2 560  | 2 290  |   |   | *2 400        | 2 270  | 6.05 |
| -4.5  | *11 670             | *11 670   | *5 300  | *5 300  |   |   |   |   |  |   | *4 940  | *4 940        | 3.13   |      |

**ZX130LCN-7 2-PIECE BOOM**

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

| Conditions  | Load point height m | Load radius   |   |   |   |   |   |   |  |   |   | At max. reach |        |      |
|---|---------------------|---|---|---|---|---|---|---|--|---|---|---------------|--------|------|
|   |                     | 1.5 m   |   | 3.0 m   |   | 4.5 m   |   | 6.0 m   |  | 7.5 m   |   | meter         |        |      |
|   |                     |  |  |  |  |  |  |  |  |  |  |               |        |      |
| 2-Piece Boom<br>Arm 2.10 m<br>Counterweight<br>3 000 kg | 7.5                 |   |   |   |   |   |   |   |  |   |   | *4 560        | *4 560 | 2.64 |
|   | 6.0                 |   |   | *4 810  | *4 810  | *4 210  | 4 200   |   |  |   |   | *3 130        | *3 130 | 4.86 |
|   | 4.5                 |   |   | *5 120  | *5 120  | *4 310  | 4 240   |   |  |   |   | *2 800        | 2 630  | 5.95 |
|   | 3.0                 | *10 630   | *10 630   | *8 140  | 7 500   | *4 820  | 4 150   | *3 660  | 2 610  |   |   | *2 730        | 2 230  | 6.52 |
|   | 1.5                 | *8 810  | *8 810  | *9 170  | 7 260   | *5 800  | 4 120   | 3 890   | 2 530  |   |   | *2 840        | 2 090  | 6.70 |
|   | 0 (Ground)          | *9 060  | *9 060  | *9 460  | 7 090   | 5 940   | 3 870   | 3 800   | 2 430  |   |   | *3 150        | 2 130  | 6.54 |
|   | -1.5                | *13 540   | *13 540   | *9 620  | 6 770   | 5 890   | 3 640   |   |  |   |   | *3 150        | 2 390  | 5.99 |
|   | -3.0                | *17 030   | *17 030   | *7 920  | 6 650   | *3 720  | 3 590   |   |  |   |   | *3 180        | *3 180 | 4.68 |
| 2-Piece Boom<br>Arm 2.52 m<br>Counterweight<br>3 000 kg | 7.5                 |   |   | *4 160  | *4 160  |   |   |   |  |   |   | *3 300        | *3 300 | 3.50 |
|   | 6.0                 |   |   | *3 840  | *3 840  | *3 840  | *3 840  |   |  |   |   | *2 520        | *2 520 | 5.37 |
|   | 4.5                 |   |   | *3 900  | *3 900  | *4 030  | *4 030  | *3 220  | 2 650  |   |   | *2 300        | *2 300 | 6.37 |
|   | 3.0                 | *10 600   | *10 600   | *7 020  | *7 020  | *4 500  | 4 140   | *3 430  | *2 650   |   |   | *2 270        | 2 030  | 6.90 |
|   | 1.5                 | *10 620   | *10 620   | *9 160  | 7 260   | *5 410  | *4 000  | *3 720  | 2 560  |   |   | *2 370        | 1 900  | 7.07 |
|   | 0 (Ground)          | *9 260  | *9 260  | *9 360  | 7 180   | *5 900  | 3 890   | 3 810   | 2 440  |   |   | *2 620        | 1 930  | 6.92 |
|   | -1.5                | *12 090   | *12 090   | *9 460  | 6 760   | 5 870   | 3 640   | 3 710   | 2 340  |   |   | *3 080        | 2 130  | 6.41 |
|   | -3.0                | *15 360   | *15 360   | *8 840  | 6 590   | *4 900  | 3 520   |   |  |   |   | *2 680        | *2 680 | 5.36 |
| 2-Piece Boom<br>Arm 3.01 m<br>Counterweight<br>3 000 kg | 7.5                 |   |   |   |   | *3 300  | *3 300  |   |  |   |   | *2 640        | *2 640 | 4.40 |
|   | 6.0                 |   |   |   |   | *3 460  | *3 460  | *3 080  | 2 730  |   |   | *2 150        | *2 150 | 5.98 |
|   | 4.5                 |   |   |   |   | *3 460  | *3 460  | *3 080  | 2 730  |   |   | *1 980        | *1 980 | 6.89 |
|   | 3.0                 |   |   | *4 540  | *4 540  | *4 180  | *4 130  | *3 220  | 2 710  |   |   | *1 960        | 1 820  | 7.38 |
|   | 1.5                 | *11 190   | *11 190   | *8 800  | 7 290   | *4 990  | 4 000   | *3 510  | 2 620  | *2 250  | 1 730   | *2 030        | 1 710  | 7.55 |
|   | 0 (Ground)          | *10 050   | *10 050   | *9 260  | 7 050   | 5 840   | 3 940   | *3 780  | 2 480  |   |   | *2 220        | 1 720  | 7.40 |
|   | -1.5                | *11 130   | *11 130   | *9 330  | 6 790   | *5 870  | 3 700   | 3 710   | 2 340  |   |   | *2 590        | 1 880  | 6.93 |
|   | -3.0                | *14 190   | *14 190   | *9 410  | 6 610   | *5 660  | 3 500   | *2 560  | 2 310  |   |   | *2 400        | 2 290  | 6.05 |
| -4.5  | *11 670             | *11 670   | *5 300  | *5 300  |   |   |   |   |  |   | *4 940  | *4 940        | 3.13   |      |