

HITACHI

*NEW*  
**SuperEX**  
**EX60**

Rated engine HP: 41kW (55PS)

Operating weight:

EX60-3: 6 300 kg (13 900 lb)

EX60LC-3: 6 440 kg (14 200 lb)

Bucket capacity:

PCSA heaped: 0.11—0.34 m<sup>3</sup> (0.14—0.44 yd<sup>3</sup>)

CECE heaped: 0.10—0.30 m<sup>3</sup>



**JC Machinery** **SUNIGHT**  
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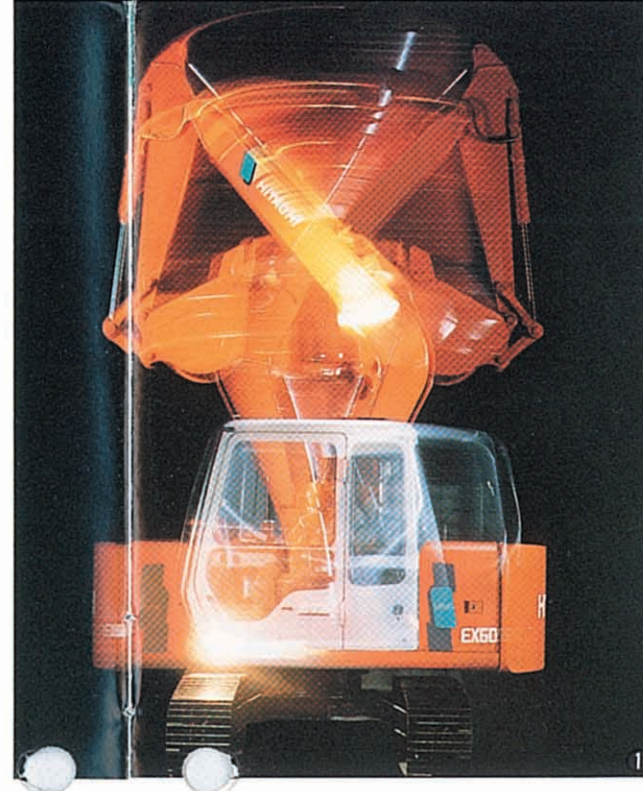
# Agile Actions, Swift Travel, and Compactness

## SuperEX EX60

The Hitachi EX60, compact with modern appearance, brings agility and swift travel to the job ... for the particularly strong demands of urban job sites. Three-speed travel, operating ease and convenience, riding comfort, and quiet operation. All come from traditional Hitachi design.

The operator-friendly cab keeps the operator feeling relaxed. Fuel-efficient operation enhances operating economy.

The EX60 has been designed to harmonize man, machine and environmental awareness, the result of Hitachi's uncompromising dedication to the next-generation machine.

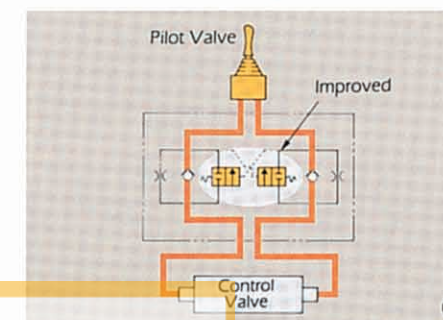
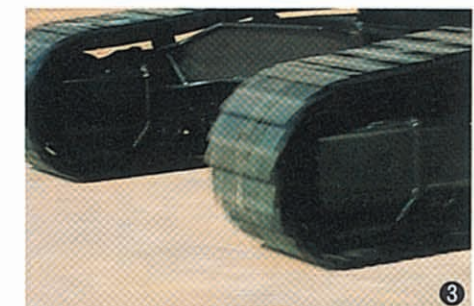
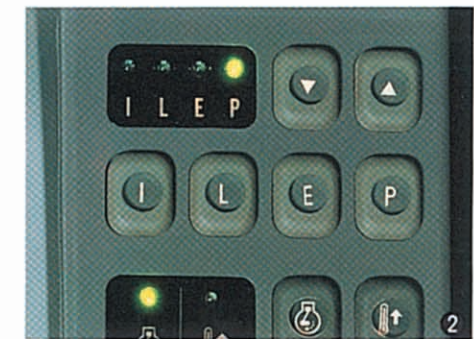


① **Small turning radius** means increased mobility. This gives the footwork of a town machine. Front-end turning radius is 1.70 m (5'7"), and rear-end turning radius 1.75 m (5'9"). Both are the minimum in this class.

② **Work mode selector** gives a choice of P (Power) mode, E (Economy) mode and L (Light-duty) mode, at one touch of a switch.

③ **Three-speed travel**, with ample traction force from the rugged undercarriage. Fast speed is 5.0 km/h (3.1 mph), and slow speed 2.5 km/h (1.6 mph).

④ **The advanced shockless valve** allows smooth starts and stops of travel, swing and front action. This shockless valve automatically actuates in response to travelling load.



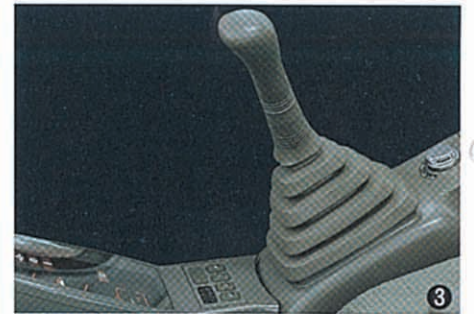
- Auto Idle is provided for fuel-efficient, low-noise operation during idling.
- Extra port is provided as standard for use with special attachments.
- Quick warm-up system for pilot circuits to allow quick starts in cold weather.
- Hydraulic warm-up control system for engine and hydraulics.
- Openable right-side cab window
- Pilot-control shut-off lever to avoid mishandling when getting in and out of the cab and when not in use.
- Bucket clearance adjust mechanism





# First-class Performance . . . Based on Hitachi Technology

- ❶ **The cab seals out dust and noise.** Shock-absorbing rubber mounts are upgraded to further dampen shocks and vibration. That keeps the operator feeling secure.
- ❷ **The operator seat glides alone or together with the levers and monitor to fit the proportions of the operator.** This is called Hitachi's **Sliding Cockpit.**
- ❸ **Lever grip is designed by ergonomics.** Grip and feel it as part of your hand.
- ❹ **Easy-to-read curved monitor with finger-touch resin-molded switches** for dust protection.
- ❺ **Operator comfort means increased production. A quality air conditioner using freon substitute and hot-and-cool box (optional) maintain operator comfort all year round.**



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**6 The larger LC undercarriage** is optionally available for higher stability when needed.

Undercarriage length: 2 855 mm  
(9' 4")

Undercarriage width: 2 300 mm  
(7' 7")

**7 The strengthened blade** is optionally available for increased lift and jackup force. This is designed for power and efficiency.

**8 Short-pitched rubber crawlers** are optionally available to protect paved surfaces from damage and enhance riding comfort. The rubber crawlers are interchangeable with steel ones.

**9 The quiet, fuel-efficient engine with less exhaust gas**, reflecting Hitachi's environment-friendly design policy.

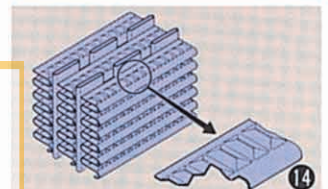
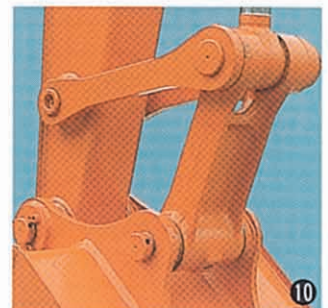
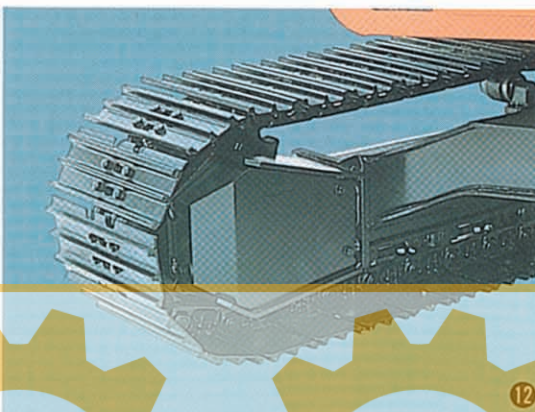
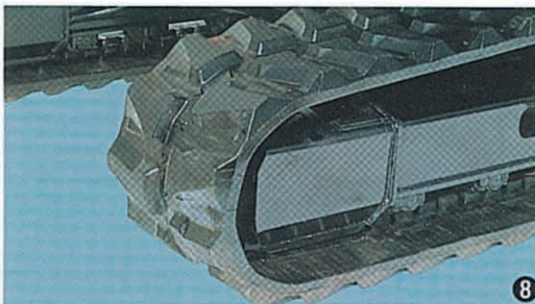
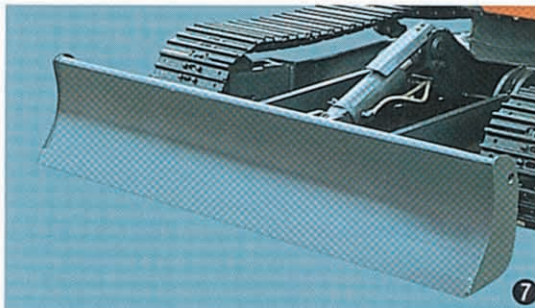
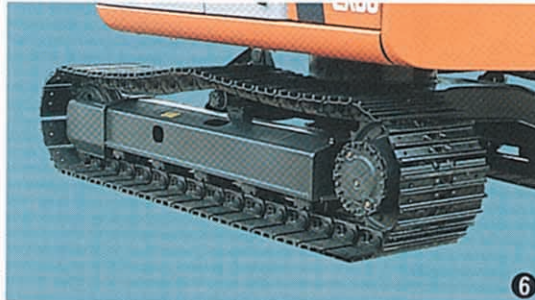
**10 Monolithically cast bucket link A**, with high resistance to torsion and strain, allows the EX60 to work hard.

**11 Seat belt** is provided as standard.

**12 Travel piping is housed inside track frame.** No projections to be damaged.

**13 Generous tool box**, the largest in this class, can hold a 20-liter (5 gallon) oil-can and tool kit.

**14 Wave-finned radiator** is easy to maintain, and can reduce clogging significantly.



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## ENGINE

|                                |  |
|--------------------------------|--|
| Model .....                    | Nissan A-BD30                                  |
| Type .....                     | 4-cycle water-cooled, direct injection         |
| Rated flywheel .....           | 41 kW (55 PS) at 2 200 min <sup>-1</sup> (rpm) |
| horsepower<br>(DIN 6271, net)  |  |
| Rated flywheel .....           | 40 kW (54 HP) at 2 200 min <sup>-1</sup> (rpm) |
| horsepower<br>(SAE J1349, net) |  |
| Maximum torque .....           | 181 N·m (18.5 kgf·m, 134 lbf·ft)               |
|                                | at 1 500 min <sup>-1</sup> (rpm)               |
| Piston displacement .....      | 2.953 L (180 in <sup>3</sup> )                 |
| Bore and stroke .....          | 96 mm × 102 mm (3.8" × 4.0")                   |
| Batteries .....                | 2 × 12 V, 52 AH                                |
| Governor .....                 | Mechanical all-speed<br>by stepping motor      |



## HYDRAULIC SYSTEM

Hitachi's ETS (Electronic Total control System) can achieve maximum fuel efficiency and reduce fuel consumption /noise.

- E-P Control (Computer-aided Engine-Pump Control) System
- OHS (Optimum Hydraulic System) assures fully independent and combined operations
- FPS (Fuel-saving Pump System)
- Auto-idling system
- High-pressure 3-speed travel system for high traction force and travel speed

|                        |   |
|------------------------|---|
| Main pumps .....       | 2 variable displacement axial<br>piston pumps |
| Maximum oil flow ..... | 2 × 94.6 L/min<br>(25.0 US gpm, 20.8 Imp gpm) |
| Pilot pump .....       | 1 gear pump                                   |
| Maximum oil flow ..... | 23.5 L/min<br>(6.2 US gpm, 5.2 Imp gpm)       |

### Relief Valve Settings

|                         |  |
|-------------------------|--|
| Implement circuit ..... | 26.0 MPa (265 kgf/cm <sup>2</sup> , 3 770 psi) |
| Swing circuit .....     | 26.0 MPa (265 kgf/cm <sup>2</sup> , 3 770 psi) |
| Travel circuit .....    | 27.5 MPa (280 kgf/cm <sup>2</sup> , 3 980 psi) |
| Pilot circuit .....     | 3.4 MPa ( 35 kgf/cm <sup>2</sup> , 550 psi)    |

### Hydraulic Cylinders

High-strength piston rods and tubes are used. Cylinder cushion mechanisms are provided for all cylinders to absorb shock when pistons reach their stroke ends.

### Dimensions

|        | Quan. | Bore           | Rod diameter  |
|--------|-------|----------------|---------------|
| Boom   | 1     | 115 mm (4.53") | 65 mm (2.56") |
| Arm    | 1     | 95 mm (3.74")  | 60 mm (2.36") |
| Bucket | 1     | 85 mm (3.35")  | 55 mm (2.17") |

### Hydraulic Filters

Hydraulic circuits use high-quality hydraulic filters. A suction filter is incorporated in suction line, and a 10µm full-flow filter in return line and swing/travel motor drain lines.



## CONTROLS

Pilot controls. Hitachi's original shockless valve and quick warm-up system built in the pilot circuit. Hydraulic warm-up control system for engine and hydraulic oil. Multi selection lever with rotary valve is optionally available for selection of control lever direction.

|                        |   |
|------------------------|---|
| Implement levers ..... | 2 |
| Travel levers .....    | 2 |



## UPPERSTRUCTURE

### Revolving Frame

Welded high-sturdy box construction, using heavy-gauge steel plates for ruggedness. D-section frame for resistance to deformation.

### Swing Mechanism

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 immersed in lubricant. Swing parking brake is spring-set/hydraulic-released disc type. Swing cushion valve built in swing motor absorbs shocks when stopping swing, ensuring smooth stops.

|                   |                              |
|-------------------|------------------------------|
| Swing speed ..... | 15.0 min <sup>-1</sup> (rpm) |
|-------------------|------------------------------|

### Operator's Cab

Independent roomy cab, 940 mm (37") wide by 1 620 mm (64") high, conforming to ISO\* Standards. Reinforced glass windows on 4 sides for visibility. Front windows (upper and lower), fully openable, is storable in the cab. Adjustable reclining seat with armrests; movable with or without control levers and monitor panel.

\* International Standard Organization



## UNDERCARRIAGE

### Tracks

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

Lubricated track rollers, idlers, and sprockets with floating seals. Track shoes with triple grousers made of induction-hardened rolled alloy. Rubber, flat and triangular shoes also available. 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 roller .....  | 1                        |
| Lower rollers ..... | 5                        |
| Track shoes .....   | 37 EX60-3<br>39 EX60LC-3 |

### Traction Device

Each track driven by a high-torque, axial piston motor through planetary reduction gears for counterrotation of the tracks. Sprockets are for replaceable. Parking brake is spring-set/hydraulic-released disc type. Travel shockless relief valve built in travel motor absorbs shocks when stopping travel.

|                     |                                 |
|---------------------|---------------------------------|
| Travel speeds ..... | High: 0 to 5.0 km/h (3.1 mph)   |
|                     | Medium: 0 to 3.3 km/h (2.0 mph) |
|                     | Low: 0 to 2.5 km/h (1.6 mph)    |

|                              |                                 |
|------------------------------|---------------------------------|
| Maximum traction force ..... | 48.1 kN (4 900 kgf, 10 800 lbf) |
| Gradeability .....           | 35° (70 %) continuous           |

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## WEIGHTS AND GROUND PRESSURE

### EX60-3:

Equipped with 3.72 m (12'2") boom, 1.62 m (5'4") arm, and 0.28 m<sup>3</sup> (0.37 yd<sup>3</sup>; PCSA heaped) bucket.

| Shoe type       | Shoe width   | Operating weight     | Ground pressure                                |
|-----------------|--------------|----------------------|--|
| Triple grouser  | 450 mm (18") | 6 300 kg (13 900 lb) | 30.4 kPa (0.31 kgf/cm <sup>2</sup> , 4.41 psi) |
|                 |              | 6 440 kg (14 200 lb) | 28.4 kPa (0.29 kgf/cm <sup>2</sup> , 4.12 psi) |
|                 | 600 mm (24") | 6 470 kg (14 300 lb) | 23.5 kPa (0.24 kgf/cm <sup>2</sup> , 3.41 psi) |
|                 |              | 6 620 kg (14 600 lb) | 22.6 kPa (0.23 kgf/cm <sup>2</sup> , 3.27 psi) |
| Rubber type     | 450 mm (18") | 6 180 kg (13 500 lb) | 29.4 kPa (0.30 kgf/cm <sup>2</sup> , 4.27 psi) |
|                 |              | 6 310 kg (13 900 lb) | 27.5 kPa (0.28 kgf/cm <sup>2</sup> , 3.98 psi) |
| Triangular type | 500 mm (20") | 6 480 kg (14 300 lb) | 27.5 kPa (0.28 kgf/cm <sup>2</sup> , 3.98 psi) |
|                 |              | 6 630 kg (14 600 lb) | 26.5 kPa (0.27 kgf/cm <sup>2</sup> , 3.84 psi) |
|                 | 700 mm (28") | 6 590 kg (14 500 lb) | 20.6 kPa (0.21 kgf/cm <sup>2</sup> , 2.99 psi) |
|                 |              | 6 750 kg (14 900 lb) | 19.6 kPa (0.20 kgf/cm <sup>2</sup> , 2.84 psi) |
| Flat type       | 450 mm (18") | 6 500 kg (14 300 lb) | 30.4 kPa (0.31 kgf/cm <sup>2</sup> , 4.41 psi) |
|                 |              | 6 610 kg (14 600 lb) | 29.4 kPa (0.30 kgf/cm <sup>2</sup> , 4.27 psi) |

Figures in   are data on the EX60LC-3.

Weights of the basic machines (including 650 kg: 1 430 lb counterweight and triple grouser shoes excluding front-end attachment) are:

EX60-3 ..... 5 020 kg (11 100 lb) with 450 mm (18") shoes  
EX60LC-3 ..... 5 130 kg (11 300 lb) with 450 mm (18") shoes

### SERVICE REFILL CAPACITIES

|                                 | liters | US gal | Imp gal |
|---------------------------------|--------|--------|---------|
| Fuel tank                       | 135.0  | 35.7   | 29.7    |
| Engine coolant                  | 10.0   | 2.6    | 2.2     |
| Engine oil                      | 12.5   | 3.3    | 2.7     |
| Swing mechanism                 | 1.8    | 0.48   | 0.40    |
| Travel final device (each side) | 3.0    | 0.79   | 0.66    |
| Hydraulic system                | 90.0   | 23.8   | 19.8    |
| Hydraulic tank                  | 42.0   | 11.1   | 9.2     |

### Buckets

| Capacity   |                     | Width                |                   | No. of teeth | Weight          | Recommendation    |                    |                                     |                    |                                    |
|--|---------------------|----------------------|-------------------|--------------|-----------------|-------------------|--------------------|-------------------------------------|--------------------|------------------------------------|
| PCSA heaped  | CECE heaped         | Without side cutters | With side cutters |              |                 | EX60-3/EX60LC-3   |                    | EX60-3/EX60LC-3 with Rubber crawler |                    | EX60-3/EX60LC-3 with Off-set front |
|  |                     |                      |                   |              |                 | 1.62 m (5'4") arm | 2.12 m (6'11") arm | 1.62 m (5'4") arm                   | 2.12 m (6'11") arm |                                    |
| 0.11 m <sup>3</sup> (0.14 yd <sup>3</sup> )                              | 0.10 m <sup>3</sup> | 360 mm (14")         | 450 mm (18")      | 3            | 140 kg (310 lb) | ⊙                 | ⊙                  | ⊙                                   | ⊙                  | ⊙                                  |
| 0.24 m <sup>3</sup> (0.31 yd <sup>3</sup> )                              | 0.20 m <sup>3</sup> | 560 mm (22")         | 650 mm (26")      | 3            | 180 kg (400 lb) | ⊙                 | ⊙                  | ⊙                                   | ⊙                  | ⊙                                  |
| 0.28 m <sup>3</sup> (0.37 yd <sup>3</sup> )                              | 0.25 m <sup>3</sup> | 660 mm (26")         | 750 mm (30")      | 4            | 200 kg (440 lb) | ⊙                 | ⊙ <sup>*2</sup>    | ⊙                                   | ⊙ <sup>*2</sup>    | ⊙                                  |
| 0.34 m <sup>3</sup> (0.44 yd <sup>3</sup> )                              | 0.30 m <sup>3</sup> | 770 mm (30")         | 860 mm (34")      | 5            | 220 kg (490 lb) | ⊙                 | —                  | ⊙                                   | —                  | —                                  |
| *1 0.28 m <sup>3</sup> (0.37 yd <sup>3</sup> )                           | 0.25 m <sup>3</sup> | 660 mm (26")         | 750 mm (30")      | 4            | 240 kg (530 lb) | ⊙                 | ⊙ <sup>*2</sup>    | ⊙                                   | ⊙ <sup>*2</sup>    | ⊙ <sup>*2</sup>                    |
| V-shaped bucket 0.20 m <sup>3</sup> (0.26 yd <sup>3</sup> ; CECE heaped) |                     |                      |                   | 2            | 190 kg (420 lb) | ⊙                 | ⊙                  | ⊙                                   | ⊙                  | —                                  |
| Slope-finishing blade: Width-750 mm (30"), Length-1 500 mm (59")         |                     |                      |                   |              | 250 kg (550 lb) | ◇                 | ◇                  | ◇                                   | ◇                  | —                                  |

\*1 Reinforced bucket

\*2 With 600 mm (24")/700 mm (28") shoes only

⊙ Suitable for materials with density of 2 000 kg/m<sup>3</sup> (3 370 lb/yd<sup>3</sup>) or less

◇ Suitable for materials with density of 1 600 kg/m<sup>3</sup> (2 700 lb/yd<sup>3</sup>) or less

◇ Not recommended

### EX60-3 with Off-set front:

Equipped with 1.62 m (5'4") arm, and 0.28 m<sup>3</sup> (0.37 yd<sup>3</sup>; PCSA heaped) bucket.

| Shoe type               | Shoe width   | Operating weight     | Ground pressure                                |
|-------------------------|--------------|----------------------|--|
| Triple grouser          | 450 mm (18") | 6 820 kg (15 000 lb) | 32.4 kPa (0.33 kgf/cm <sup>2</sup> , 4.69 psi) |
|                         |              | 6 930 kg (15 300 lb) | 31.4 kPa (0.32 kgf/cm <sup>2</sup> , 4.55 psi) |
|                         | 600 mm (24") | 6 990 kg (15 400 lb) | 25.5 kPa (0.26 kgf/cm <sup>2</sup> , 3.70 psi) |
|                         |              | 7 110 kg (15 700 lb) | 23.5 kPa (0.24 kgf/cm <sup>2</sup> , 3.41 psi) |
| Rubber with dozer blade | 450 mm (18") | 7 210 kg (15 900 lb) | 34.3 kPa (0.35 kgf/cm <sup>2</sup> , 4.98 psi) |
|                         |              | 7 320 kg (16 100 lb) | 32.4 kPa (0.33 kgf/cm <sup>2</sup> , 4.69 psi) |
| Triangular type         | 500 mm (20") | 7 000 kg (15 400 lb) | 30.4 kPa (0.31 kgf/cm <sup>2</sup> , 4.41 psi) |
|                         |              | 7 120 kg (15 700 lb) | 28.4 kPa (0.29 kgf/cm <sup>2</sup> , 4.12 psi) |
|                         | 700 mm (28") | 7 110 kg (15 700 lb) | 21.6 kPa (0.22 kgf/cm <sup>2</sup> , 3.13 psi) |
|                         |              | 7 240 kg (16 000 lb) | 20.6 kPa (0.21 kgf/cm <sup>2</sup> , 2.99 psi) |
| Flat type               | 450 mm (18") | 6 980 kg (15 400 lb) | 33.3 kPa (0.34 kgf/cm <sup>2</sup> , 4.83 psi) |
|                         |              | 7 100 kg (15 700 lb) | 31.4 kPa (0.32 kgf/cm <sup>2</sup> , 4.55 psi) |

Figures in   are data on the EX60LC-3.

Weights of the basic machines (including 700 kg: 1 540 lb counterweight and triple grouser shoes excluding front-end attachment) are:

EX60-3 ..... 5 070 kg (11 200 lb) with 450 mm (18") shoes  
EX60LC-3 ..... 5 180 kg (11 400 lb) with 450 mm (18") shoes

### BACKHOE ATTACHMENTS

Boom and arms are of all-welded, low-stress, full box-section design. 3.72 m (12'2") boom, 1.62 m (5'4") and 2.12 m (6'11") arms are available.

Bucket is of all-welded, high-strength steel structure. Side clearance adjust mechanism provided on the bucket joint bracket.

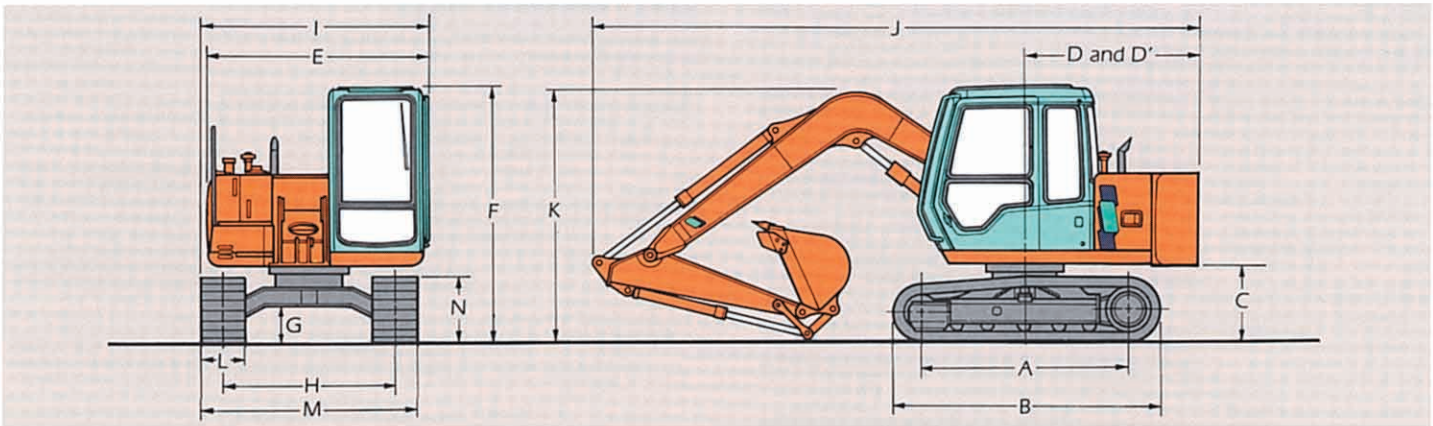
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Slope finishing service

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## DIMENSIONS



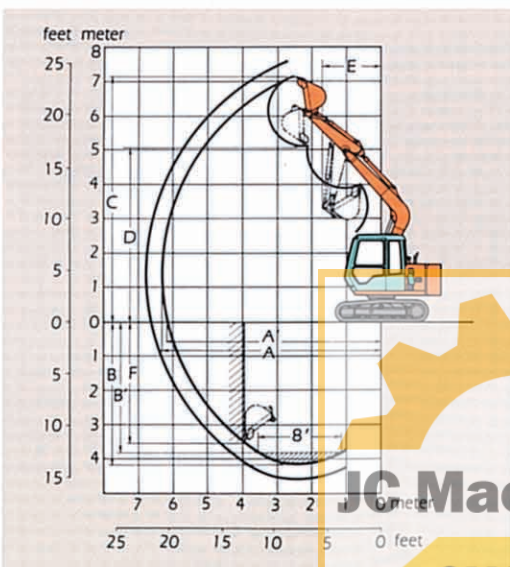
|                                   | EX60-3/EX60LC-3                        |                    | EX60-3/EX60LC-3 with Rubber crawler |                    |
|-----------------------------------|--|--------------------|-------------------------------------|--------------------|
| A Distance between tumbler        | STD 2 090 mm (6'10")                   | LC 2 245 mm (7'4") | STD 2 110 mm (6'11")                | LC 2 280 mm (7'6") |
| B Undercarriage length            | STD 2 700 mm (8'10")                   | LC 2 855 mm (9'4") | STD 2 710 mm (8'11")                | LC 2 865 mm (9'5") |
| *C Counterweight clearance        | 760 mm (2'6")                          |                    | 780 mm (2'7")                       |                    |
| D Rear-end swing radius           | 1 750 mm (5'9")                        |                    | 1 750 mm (5'9")                     |                    |
| D' Rear-end length                | 1 750 mm (5'9")                        |                    | 1 750 mm (5'9")                     |                    |
| E Overall width of upperstructure | 2 205 mm (7'3")                        |                    | 2 205 mm (7'3")                     |                    |
| F Overall height of cab           | 2 570 mm (8'5")                        |                    | 2 570 mm (8'5")                     |                    |
| *G Min. ground clearance          | 360 mm (1'2")                          |                    | 380 mm (1'3")                       |                    |
| H Track gauge                     | STD 1 700 mm (5'7")                    | LC 1 850 mm (6'1") | STD 1 700 mm (5'7")                 | LC 1 850 mm (6'1") |
| I Overall width                   | STD 2 280 mm (7'6")                    | LC 2 355 mm (7'9") | STD 2 280 mm (7'6")                 | LC 2 355 mm (7'9") |
| J Overall length                  |  |                    |                                     |                    |
| With 1.62 m (5'4") arm            | 6 080 mm (19'11")                      |                    | 6 080 mm (19'11")                   |                    |
| With 2.12 m (6'11") arm           | 6 120 mm (20'1")                       |                    | 6 120 mm (20'1")                    |                    |
| K Overall height of boom          |  |                    |                                     |                    |
| With 1.62 m (5'4") arm            | 2 540 mm (8'4")                        |                    | 2 540 mm (8'4")                     |                    |
| With 2.12 m (6'11") arm           | 2 690 mm (8'10")                       |                    | 2 690 mm (8'10")                    |                    |
| L Track shoe width                | G: 450 mm (18")                        | G: 600 mm (24")    | R: 450 mm (18")                     |                    |
| M Undercarriage width             | STD 2 150 mm (7'1")                    | 2 300 mm (7'7")    | 2 150 mm (7'11")                    |                    |
|                                   | LC 2 300 mm (7'7")                     | 2 450 mm (8'0")    | 2 300 mm (7'7")                     |                    |
| N Track height                    | 670 mm (2'2") with triple grouser shoe |                    | 670 mm (2'2") with rubber crawler   |                    |

\*Excluding track shoe lug.  
(Except the rubber crawler)

G: Triple grouser shoe

R: Rubber crawler

## WORKING RANGES

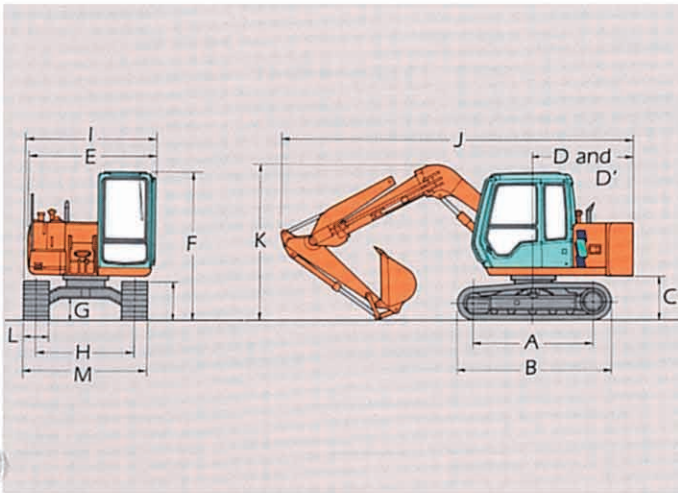


|                                   | EX60-3/EX60LC-3                       |                                       | EX60-3/EX60LC-3 with Rubber crawler   |                                       |
|-----------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| Arm length                        | 1.62 m (5'4")                         | 2.12 m (6'11")                        | 1.62 m (5'4")                         | 2.12 m (6'11")                        |
| A Max. digging reach              | 6 310 mm (20'8")                      | 6 800 mm (22'4")                      | 6 310 mm (20'8")                      | 6 800 mm (22'4")                      |
| A' Max. digging reach (on ground) | 6 160 mm (20'3")                      | 6 660 mm (21'10")                     | 6 160 mm (20'3")                      | 6 660 mm (21'10")                     |
| B Max. digging depth              | 4 150 mm (13'7")                      | 4 660 mm (15'3")                      | 4 130 mm (13'7")                      | 4 640 mm (15'3")                      |
| B' Max. digging depth (8' level)  | 3 800 mm (12'6")                      | 4 370 mm (14'4")                      | 3 780 mm (12'5")                      | 4 350 mm (14'3")                      |
| C Max. cutting height             | 7 150 mm (23'5")                      | 7 550 mm (24'9")                      | 7 170 mm (23'6")                      | 7 570 mm (24'10")                     |
| D Max. dumping height             | 5 070 mm (16'8")                      | 5 470 mm (17'11")                     | 5 090 mm (16'8")                      | 5 490 mm (18'0")                      |
| E Min. swing radius               | 1 700 mm (5'7")                       | 2 060 mm (6'9")                       | 1 700 mm (5'7")                       | 2 060 mm (6'9")                       |
| F Max. vertical wall              | 3 500 mm (11'6")                      | 4 060 mm (13'4")                      | 3 480 mm (11'5")                      | 4 040 mm (13'3")                      |
| Bucket digging force              | 47.1 kN<br>(4 800 kgf.<br>10 600 lbf) | 47.1 kN<br>(4 800 kgf.<br>10 600 lbf) | 47.1 kN<br>(4 800 kgf.<br>10 600 lbf) | 47.1 kN<br>(4 800 kgf.<br>10 600 lbf) |
| Arm crowd force                   | 36.3 kN<br>(3 700 kgf.<br>8 200 lbf)  | 31.4 kN<br>(3 200 kgf.<br>7 100 lbf)  | 36.3 kN<br>(3 700 kgf.<br>8 200 lbf)  | 31.4 kN<br>(3 200 kgf.<br>7 100 lbf)  |

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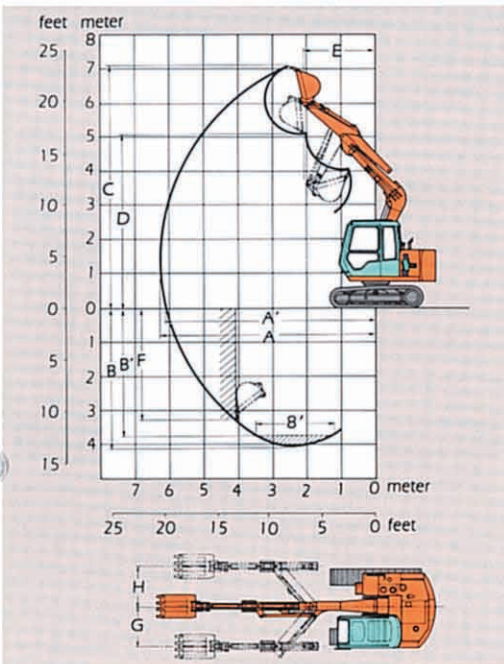
## DIMENSIONS



|    |                                 | EX60-3/EX60LC-3 with Off-set front     |                    |
|----|---------------------------------|--|--------------------|
| A  | Distance between tumbler        | STD 2 090 mm (6'10")                   | LC 2 245 mm (7'4") |
| B  | Undercarriage length            | STD 2 700 mm (8'10")                   | LC 2 855 mm (9'4") |
| *C | Counterweight clearance         | 760 mm (2'6")                          |                    |
| D  | Rear-end swing radius           | 1 750 mm (5'9")                        |                    |
| D' | Rear-end; length                | 1 750 mm (5'9")                        |                    |
| E  | Overall width of upperstructure | 2 205 mm (7'3")                        |                    |
| F  | Overall height of cab           | 2 570 mm (8'5")                        |                    |
| *G | Min. ground clearance           | 360 mm (1'2")                          |                    |
| H  | Track gauge                     | STD 1 700 mm (5'7")                    | LC 1 850 mm (6'1") |
| I  | Overall width                   | STD 2 280 mm (7'6") LC 2 355 mm (7'9") |                    |
| J  | Overall length                  |  |                    |
|    | With 1.62 m (5'4") arm          | 6 160 mm (20'3")                       |                    |
| K  | Overall height of boom          |  |                    |
|    | With 1.62 m (5'4") arm          | 2 760 mm (9'1")                        |                    |
| L  | Track shoe width                | G: 450 mm (18")                        | G: 600 mm (24")    |
| M  | Undercarriage width             | STD                                    | 2 150 mm (7'1")    |
|    |                                 | LC                                     | 2 300 mm (7'7")    |
| N  | Track height                    | 670 mm (2'2") with triple grouser shoe |                    |

\*Excluding track shoe lug. G: Triple grouser shoe

## WORKING RANGES



|                      |                                | EX60-3/EX60LC-3 with Off-set front |                                   |
|----------------------|--------------------------------|------------------------------------|-----------------------------------|
|                      |                                | 1.62 m (5'4")                      |                                   |
| Arm length           |                                | 0 m                                | Max.                              |
| A                    | Max. digging reach             | 6 310 mm (20'8")                   | 5 870 mm (19'3")                  |
| A'                   | Max. digging reach (on ground) | 6 160 mm (20'3")                   | 5 700 mm (18'8")                  |
| B                    | Max. digging depth             | 4 150 mm (13'7")                   | 3 700 mm (12'2")                  |
| B'                   | Max. digging depth (8' level)  | 3 700 mm (12'2")                   | 3 310 mm (10'10")                 |
| C                    | Max. cutting height            | 7 120 mm (23'4")                   | 6 770 mm (22'3")                  |
| D                    | Max. dumping height            | 5 070 mm (16'8")                   | 4 720 mm (15'6")                  |
| E                    | Min. swing radius              | 2 080 mm (6'10")                   | *2 120 mm/2 190 mm (6'11")/(7'2") |
| F                    | Max. vertical wall             | 3 300 mm (10'10")                  | 2 870 mm (9'5")                   |
| G                    | Left side off-set distance     | —                                  | 1 090 mm (3'7")                   |
| H                    | Right side off-set distance    | —                                  | 1 210 mm (4'0")                   |
| Bucket digging force |                                | 47.1 kN (4 800 kgf, 10 600 lbf)    |                                   |
| Arm crowd force      |                                | 36.3 kN (3 700 kgf, 8 200 lbf)     |                                   |

\* Left/Right side off-set.  
700 kg (1 540 lb) counterweight is required.

## EX60-3/EX60LC-3 with Dozer blade

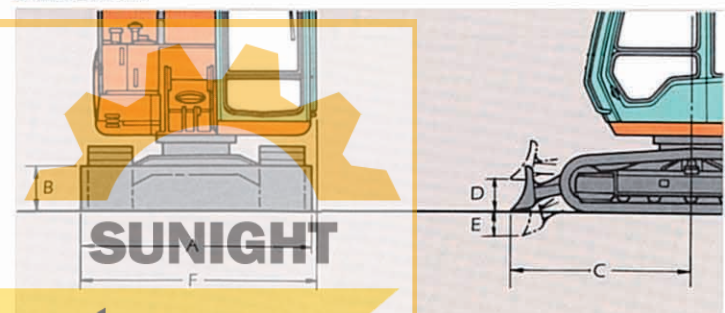
Equipped with 3.72 m (12'2") boom, 1.62 m (5'4") arm, 450 mm (18") triple grouser shoe and 0.28 m<sup>3</sup> (0.37 cy<sup>3</sup>; PCSA heaped) for EX60-3, 0.34 m<sup>3</sup> (0.44 yd<sup>3</sup>; PCSA heaped) for EX60LC-3 bucket.

Operating weight ..... STD: 6 810 kg (15 000 lb)  
LC : 6 950 kg (15 300 lb)

Ground pressure ..... STD: 32.4 kPa (0.33 kgf/cm<sup>2</sup>, 4.69 psi)  
LC : 31.4 kPa (0.32 kgf/cm<sup>2</sup>, 4.55 psi)

|   |                                  |                 |
|---|----------------------------------|-----------------|
| A | Overall width of blade           | 2 300 mm (7'7") |
| B | Overall height of blade          | 460 mm (1'6")   |
| C | Blade distance                   | 2 000 mm (6'7") |
| D | Max. raising height above ground | 420 mm (1'5")   |
| E | Max. lowering depth from ground  | 260 mm (10.2")  |
| F | Overall width                    | 2 355 mm (7'9") |

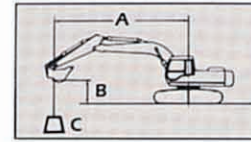
## Dimensions



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# LIFTING CAPACITIES



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

## EX60-3

Rating over-side or 360 degrees Rating over-front Unit: 1 000 kg (1 000 lb)

| Conditions   | Load point height<br>m (ft in) | Load radius<br>m (ft in) |              |              |              |              |              |             |             |             |             | At max. reach |              |               |
|--|--------------------------------|--------------------------|--------------|--------------|--------------|--------------|--------------|-------------|-------------|-------------|-------------|---------------|--------------|---------------|
|  |                                | 2 (6'7")                 |              | 3 (9'10")    |              | 4 (13'1")    |              | 5 (16'5")   |             | 6 (19'8")   |             |               |              | @ m (ft in)   |
|  |                                |                          |              |              |              |              |              |             |             |             |             |               |              |               |
| Boom 3.72 m (12'2")<br>Arm 1.62 m (5'4")<br>Bucket<br>PCSA: 0.28 m <sup>3</sup><br>(0.37 yd <sup>3</sup> )<br>CECE: 0.25 m <sup>3</sup><br>Shoes 450 mm (18")  | 4 (13'1")                      |                          |              | *1.31 (2.89) | *1.31 (2.89) | *1.38 (3.04) | *1.38 (3.04) |             |             |             |             | 0.80 (1.76)   | *0.87 (1.92) | 5.53 (18'2")  |
|  | 3 (9'10")                      |                          |              | *1.79 (3.95) | *1.79 (3.95) | *1.39 (3.06) | *1.58 (3.48) | 0.94 (2.07) | 1.15 (2.54) |             |             | 0.70 (1.54)   | 0.86 (1.90)  | 5.89 (19'4")  |
|  | 2 (6'7")                       |                          |              | 2.08 (4.59)  | *2.56 (5.64) | 1.32 (2.91)  | 1.62 (3.57)  | 0.91 (2.01) | 1.12 (2.47) |             |             | 0.65 (1.43)   | 0.81 (1.79)  | 6.03 (19'9")  |
|  | 1 (3'3")                       |                          |              | 1.92 (4.23)  | 2.41 (5.31)  | 1.25 (2.76)  | 1.54 (3.40)  | 0.88 (1.94) | 1.08 (2.38) |             |             | 0.64 (1.41)   | 0.80 (1.76)  | 5.98 (19'7")  |
|  | 0 (Ground)                     |                          |              | 1.86 (4.10)  | 2.35 (5.18)  | 1.20 (2.65)  | 1.49 (3.29)  | 0.85 (1.87) | 1.05 (2.32) |             |             | 0.68 (1.50)   | 0.85 (1.87)  | 5.72 (18'9")  |
|  | -1 (-3'3")                     | *3.22 (7.10)             | *3.22 (7.10) | 1.85 (4.08)  | 2.33 (5.14)  | 1.18 (2.60)  | 1.47 (3.24)  | 0.84 (1.85) | 1.04 (2.29) |             |             | 0.79 (1.74)   | 0.98 (2.16)  | 5.23 (17'2")  |
|  | -2 (-6'7")                     | 3.86 (8.51)              | *4.19 (9.24) | 1.87 (4.12)  | 2.35 (5.18)  | 1.19 (2.62)  | 1.48 (3.26)  |             |             |             |             | 1.05 (2.32)   | 1.30 (2.87)  | 4.41 (14'6")  |
|  |                                |                          |              |              |              |              |              |             |             |             |             |               |              |               |
| Boom 3.72 m (12'2")<br>Arm 2.12 m (6'11")<br>Bucket<br>PCSA: 0.28 m <sup>3</sup><br>(0.37 yd <sup>3</sup> )<br>CECE: 0.25 m <sup>3</sup><br>Shoes 450 mm (18") | 4 (13'1")                      |                          |              |              |              | *1.12 (2.47) | *1.12 (2.47) | 0.99 (2.18) | 1.20 (2.65) |             |             | 0.69 (1.52)   | *0.79 (1.74) | 6.07 (19'11") |
|  | 3 (9'10")                      |                          |              | *1.39 (3.06) | *1.39 (3.06) | *1.34 (2.95) | *1.34 (2.95) | 0.97 (2.14) | 1.18 (2.60) |             |             | 0.61 (1.35)   | 0.75 (1.65)  | 6.39 (21'0")  |
|  | 2 (6'7")                       |                          |              | *2.14 (4.72) | *2.14 (4.72) | 1.36 (3.00)  | 1.66 (3.66)  | 0.93 (2.05) | 1.14 (2.51) | 0.66 (1.46) | 0.82 (1.81) | 0.57 (1.26)   | 0.71 (1.57)  | 6.52 (21'5")  |
|  | 1 (3'3")                       |                          |              | 1.98 (4.37)  | 2.47 (5.45)  | 1.27 (2.80)  | 1.57 (3.46)  | 0.89 (1.96) | 1.10 (2.43) | 0.65 (1.43) | 0.80 (1.76) | 0.56 (1.23)   | 0.71 (1.57)  | 6.47 (21'3")  |
|  | 0 (Ground)                     |                          |              | 1.88 (4.15)  | 2.36 (5.20)  | 1.21 (2.67)  | 1.50 (3.31)  | 0.85 (1.87) | 1.06 (2.34) | 0.63 (1.39) | 0.79 (1.74) | 0.59 (1.30)   | 0.74 (1.63)  | 6.24 (20'6")  |
|  | -1 (-3'3")                     | *3.06 (6.75)             | *3.06 (6.75) | 1.84 (4.06)  | 2.32 (5.12)  | 1.17 (2.58)  | 1.46 (3.22)  | 0.83 (1.83) | 1.04 (2.29) |             |             | 0.66 (1.46)   | 0.83 (1.83)  | 5.80 (19'0")  |
|  | -2 (-6'7")                     | 3.78 (8.33)              | *4.70 (10.4) | 1.84 (4.06)  | 2.32 (5.12)  | 1.17 (2.58)  | 1.46 (3.22)  | 0.83 (1.83) | 1.04 (2.29) |             |             | 0.83 (1.83)   | 1.03 (2.27)  | 5.09 (16'8")  |
|  | -3 (-9'10")                    | 3.86 (8.51)              | *3.95 (8.71) | 1.87 (4.12)  | 2.36 (5.20)  | 1.19 (2.62)  | 1.48 (3.26)  |             |             |             |             |               |              |               |

## EX60LC-3

| Conditions   | Load point height<br>m (ft in) | Load radius<br>m (ft in) |              |              |              |              |              |             |              |             |             | At max. reach |              |               |
|--|--------------------------------|--------------------------|--------------|--------------|--------------|--------------|--------------|-------------|--------------|-------------|-------------|---------------|--------------|---------------|
|  |                                | 2 (6'7")                 |              | 3 (9'10")    |              | 4 (13'1")    |              | 5 (16'5")   |              | 6 (19'8")   |             |               |              | @ m (ft in)   |
|  |                                |                          |              |              |              |              |              |             |              |             |             |               |              |               |
| Boom 3.72 m (12'2")<br>Arm 1.62 m (5'4")<br>Bucket<br>PCSA: 0.34 m <sup>3</sup><br>(0.44 yd <sup>3</sup> )<br>CECE: 0.30 m <sup>3</sup><br>Shoes 450 mm (18")  | 4 (13'1")                      |                          |              | *1.29 (2.84) | *1.29 (2.84) | *1.36 (3.00) | *1.36 (3.00) |             |              |             |             | *0.85 (1.87)  | *0.85 (1.87) | 5.53 (18'2")  |
|  | 3 (9'10")                      |                          |              | *1.77 (3.90) | *1.77 (3.90) | 1.49 (3.29)  | *1.56 (3.44) | 1.01 (2.23) | 1.28 (2.82)  |             |             | 0.74 (1.63)   | *0.85 (1.87) | 5.89 (19'4")  |
|  | 2 (6'7")                       |                          |              | 2.24 (4.94)  | *2.55 (5.62) | 1.42 (3.13)  | 1.81 (3.99)  | 0.98 (2.16) | 1.25 (2.76)  |             |             | 0.69 (1.52)   | *0.88 (1.94) | 6.03 (19'9")  |
|  | 1 (3'3")                       |                          |              | 2.08 (4.59)  | 2.75 (6.06)  | 1.34 (2.95)  | 1.73 (3.81)  | 0.94 (2.07) | 1.21 (2.67)  |             |             | 0.69 (1.52)   | 0.89 (1.96)  | 5.98 (19'7")  |
|  | 0 (Ground)                     |                          |              | 2.02 (4.45)  | 2.68 (5.91)  | 1.29 (2.84)  | 1.68 (3.70)  | 0.91 (2.01) | 1.18 (2.60)  |             |             | 0.73 (1.61)   | 0.95 (2.09)  | 5.72 (18'9")  |
|  | -1 (-3'3")                     | *3.23 (7.12)             | *3.23 (7.12) | 2.01 (4.43)  | 2.66 (5.87)  | 1.27 (2.80)  | 1.65 (3.64)  | 0.90 (1.98) | 1.17 (2.58)  |             |             | 0.84 (1.85)   | 1.09 (2.40)  | 5.23 (17'2")  |
|  | -2 (-6'7")                     | *4.17 (9.19)             | *4.17 (9.19) | 2.03 (4.48)  | 2.68 (5.91)  | 1.28 (2.82)  | 1.66 (3.66)  |             |              |             |             | 1.13 (2.49)   | 1.45 (3.20)  | 4.41 (14'6")  |
|  |                                |                          |              |              |              |              |              |             |              |             |             |               |              |               |
| Boom 3.72 m (12'2")<br>Arm 2.12 m (6'11")<br>Bucket<br>PCSA: 0.28 m <sup>3</sup><br>(0.37 yd <sup>3</sup> )<br>CECE: 0.25 m <sup>3</sup><br>Shoes 450 mm (18") | 4 (13'1")                      |                          |              |              |              | *1.10 (2.43) | *1.10 (2.43) | 1.05 (2.32) | *1.23 (2.71) |             |             | 0.73 (1.61)   | *0.77 (1.70) | 6.07 (19'11") |
|  | 3 (9'10")                      |                          |              | *1.37 (3.02) | *1.37 (3.02) | *1.32 (2.91) | *1.32 (2.91) | 1.03 (2.27) | 1.30 (2.87)  |             |             | 0.65 (1.43)   | *0.77 (1.70) | 6.39 (21'0")  |
|  | 2 (6'7")                       |                          |              | *2.12 (4.67) | *2.12 (4.67) | 1.45 (3.20)  | *1.67 (3.68) | 1.00 (2.21) | 1.27 (2.80)  |             |             | 0.61 (1.35)   | 0.79 (1.74)  | 6.52 (21'5")  |
|  | 1 (3'3")                       |                          |              | 2.15 (4.74)  | 2.81 (6.20)  | 1.37 (3.02)  | 1.76 (3.88)  | 0.95 (2.09) | 1.22 (2.69)  | 0.71 (1.57) | 0.92 (2.03) | 0.60 (1.32)   | 0.79 (1.74)  | 6.47 (21'3")  |
|  | 0 (Ground)                     |                          |              | 2.04 (4.50)  | 2.70 (5.95)  | 1.30 (2.87)  | 1.69 (3.73)  | 0.92 (2.03) | 1.19 (2.62)  | 0.69 (1.52) | 0.90 (1.98) | 0.63 (1.39)   | 0.83 (1.83)  | 6.24 (20'6")  |
|  | -1 (-3'3")                     | *3.03 (6.68)             | *3.03 (6.68) | 2.00 (4.41)  | 2.65 (5.84)  | 1.27 (2.80)  | 1.65 (3.64)  | 0.89 (1.96) | 1.16 (2.56)  | 0.67 (1.48) | 0.88 (1.94) | 0.71 (1.57)   | 0.93 (2.05)  | 5.80 (19'0")  |
|  | -2 (-6'7")                     | 4.19 (9.24)              | *4.68 (10.3) | 2.00 (4.41)  | 2.65 (5.84)  | 1.26 (2.78)  | 1.64 (3.62)  | 0.89 (1.96) | 1.16 (2.56)  |             |             | 0.89 (1.96)   | 1.15 (2.54)  | 5.09 (16'8")  |
|  | -3 (-9'10")                    | *3.93 (8.67)             | *3.93 (8.67) | 2.04 (4.50)  | 2.69 (5.93)  | 1.29 (2.84)  | 1.67 (3.68)  |             |              |             |             |               |              |               |

- Notes:
1. Ratings are based on SAE J1097.
  2. Lifting capacity of the Super EX Series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
  3. The load point is a hook (not standard equipment) loaded on the back of the bucket.
  4. \*Indicates load limited by hydraulic capacity.

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**EX60-3 with Rubber crawler**



Rating over-side or 360 degrees



Rating over-front

Unit: 1 000 kg (1 000 lb)

| Conditions   | Load point height<br>m (ft in) | Load radius<br>m (ft in) |                 |                 |                 |                 |                 |                |                |                |                | At max. reach  |                 |                  |
|--|--------------------------------|--------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|----------------|----------------|-----------------|------------------|
|  |                                | 2 (6'7")                 |                 | 3 (9'10")       |                 | 4 (13'1")       |                 | 5 (16'5")      |                | 6 (19'8")      |                | At max. reach  | @ m (ft in)     |                  |
|  |                                |                          |                 |                 |                 |                 |                 |                |                |                |                |                |                 |                  |
| Boom 3.72 m (12'2")<br>Arm 1.62 m (5'4")<br>Bucket<br>PCSA: 0.28 m <sup>3</sup><br>(0.37 yd <sup>3</sup> )<br>CECE: 0.25 m <sup>3</sup><br>Shoes R 450 mm (18")  | 4 (13'1")                      |                          |                 | *1.31<br>(2.89) | *1.31<br>(2.89) | *1.38<br>(3.04) | *1.38<br>(3.04) |                |                |                |                | 0.78<br>(1.72) | *0.87<br>(1.92) | 5.54<br>(18'2")  |
|  | 3 (9'10")                      |                          |                 | *1.80<br>(3.97) | *1.80<br>(3.97) | 1.36<br>(3.00)  | *1.58<br>(3.48) | 0.91<br>(2.01) | 1.12<br>(2.47) |                |                | 0.67<br>(1.48) | 0.83<br>(1.83)  | 5.89<br>(19'4")  |
|  | 2 (6'7")                       |                          |                 | 2.02<br>(4.45)  | 2.50<br>(5.51)  | 1.28<br>(2.82)  | 1.57<br>(3.46)  | 0.88<br>(1.94) | 1.09<br>(2.40) |                |                | 0.63<br>(1.39) | 0.78<br>(1.72)  | 6.03<br>(19'9")  |
|  | 1 (3'3")                       |                          |                 | 1.87<br>(4.12)  | 2.34<br>(5.16)  | 1.21<br>(2.67)  | 1.50<br>(3.31)  | 0.85<br>(1.87) | 1.05<br>(2.32) |                |                | 0.62<br>(1.37) | 0.78<br>(1.72)  | 5.97<br>(19'7")  |
|  | 0 (Ground)                     |                          |                 | 1.81<br>(3.99)  | 2.28<br>(5.03)  | 1.16<br>(2.56)  | 1.45<br>(3.20)  | 0.82<br>(1.81) | 1.02<br>(2.25) |                |                | 0.66<br>(1.46) | 0.82<br>(1.81)  | 5.72<br>(18'9")  |
|  | -1 (-3'3")                     | *3.31<br>(7.30)          | *3.31<br>(7.30) | 1.79<br>(3.95)  | 2.27<br>(5.01)  | 1.14<br>(2.51)  | 1.42<br>(3.13)  | 0.81<br>(1.79) | 1.01<br>(2.23) |                |                | 0.76<br>(1.68) | 0.95<br>(2.09)  | 5.22<br>(17'2")  |
|  | -2 (-6'7")                     | 3.76<br>(8.29)           | *4.17<br>(9.19) | 1.81<br>(3.99)  | 2.29<br>(5.05)  | 1.15<br>(2.54)  | 1.43<br>(3.15)  |                |                |                |                | 1.03<br>(2.27) | 1.27<br>(2.80)  | 4.39<br>(14'5")  |
|  |                                |                          |                 |                 |                 |                 |                 |                |                |                |                |                |                 |                  |
| Boom 3.72 m (12'2")<br>Arm 2.12 m (6'11")<br>Bucket<br>PCSA: 0.28 m <sup>3</sup><br>(0.37 yd <sup>3</sup> )<br>CECE: 0.25 m <sup>3</sup><br>Shoes R 450 mm (18") | 4 (13'1")                      |                          |                 |                 |                 | *1.13<br>(2.49) | *1.13<br>(2.49) | 0.96<br>(2.12) | 1.17<br>(2.58) |                |                | 0.67<br>(1.48) | *0.79<br>(1.74) | 6.08<br>(19'11") |
|  | 3 (9'10")                      |                          |                 | *1.40<br>(3.09) | *1.40<br>(3.09) | *1.34<br>(2.95) | *1.34<br>(2.95) | 0.94<br>(2.07) | 1.15<br>(2.54) |                |                | 0.59<br>(1.30) | 0.73<br>(1.61)  | 6.39<br>(21'0")  |
|  | 2 (6'7")                       |                          |                 | 2.10<br>(4.63)  | *2.16<br>(4.76) | 1.32<br>(2.91)  | 1.61<br>(3.55)  | 0.90<br>(1.98) | 1.11<br>(2.45) | 0.64<br>(1.41) | 0.80<br>(1.76) | 0.55<br>(1.21) | 0.69<br>(1.52)  | 6.52<br>(21'5")  |
|  | 1 (3'3")                       |                          |                 | 1.92<br>(4.23)  | 2.41<br>(5.31)  | 1.24<br>(2.73)  | 1.52<br>(3.35)  | 0.86<br>(1.90) | 1.06<br>(2.34) | 0.62<br>(1.37) | 0.78<br>(1.72) | 0.54<br>(1.19) | 0.68<br>(1.50)  | 6.47<br>(21'3")  |
|  | 0 (Ground)                     |                          |                 | 1.82<br>(4.01)  | 2.30<br>(5.07)  | 1.17<br>(2.58)  | 1.46<br>(3.22)  | 0.82<br>(1.81) | 1.03<br>(2.27) | 0.61<br>(1.35) | 0.76<br>(1.68) | 0.57<br>(1.26) | 0.72<br>(1.59)  | 6.23<br>(20'5")  |
|  | -1 (-3'3")                     | *3.09<br>(6.81)          | *3.09<br>(6.81) | 1.78<br>(3.92)  | 2.25<br>(4.96)  | 1.14<br>(2.51)  | 1.42<br>(3.13)  | 0.80<br>(1.76) | 1.00<br>(2.21) |                |                | 0.64<br>(1.41) | 0.80<br>(1.76)  | 5.79<br>(19'0")  |
|  | -2 (-6'7")                     | 3.68<br>(8.11)           | *4.69<br>(10.3) | 1.78<br>(3.92)  | 2.26<br>(4.98)  | 1.13<br>(2.49)  | 1.41<br>(3.11)  | 0.80<br>(1.76) | 1.00<br>(2.21) |                |                | 0.80<br>(1.76) | 1.00<br>(2.21)  | 5.07<br>(16'8")  |
|  | -3 (-9'10")                    | 3.76<br>(8.29)           | *3.93<br>(8.67) | 1.82<br>(4.01)  | 2.29<br>(5.05)  | 1.16<br>(2.56)  | 1.44<br>(3.18)  |                |                |                |                |                |                 |                  |

**EX60LC-3 with Rubber crawler**

| Conditions   | Load point height<br>m (ft in) | Load radius<br>m (ft in) |                 |                 |                 |                 |                 |                |                 |                |                | At max. reach  |                 |                  |
|--|--------------------------------|--------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|----------------|-----------------|----------------|----------------|----------------|-----------------|------------------|
|  |                                | 2 (6'7")                 |                 | 3 (9'10")       |                 | 4 (13'1")       |                 | 5 (16'5")      |                 | 6 (19'8")      |                | At max. reach  | @ m (ft in)     |                  |
|  |                                |                          |                 |                 |                 |                 |                 |                |                 |                |                |                |                 |                  |
| Boom 3.72 m (12'2")<br>Arm 1.62 m (5'4")<br>Bucket<br>PCSA: 0.34 m <sup>3</sup><br>(0.44 yd <sup>3</sup> )<br>CECE: 0.30 m <sup>3</sup><br>Shoes R 450 mm (18")  | 4 (13'1")                      |                          |                 | *1.29<br>(2.84) | *1.29<br>(2.84) | *1.36<br>(3.00) | *1.36<br>(3.00) |                |                 |                |                | 0.83<br>(1.83) | *0.85<br>(1.87) | 5.54<br>(18'2")  |
|  | 3 (9'10")                      |                          |                 | *1.79<br>(3.95) | *1.79<br>(3.95) | 1.45<br>(3.20)  | *1.56<br>(3.44) | 0.98<br>(2.16) | 1.24<br>(2.73)  |                |                | 0.72<br>(1.59) | *0.85<br>(1.87) | 5.89<br>(19'4")  |
|  | 2 (6'7")                       |                          |                 | 2.18<br>(4.81)  | *2.56<br>(5.64) | 1.38<br>(3.04)  | 1.76<br>(3.88)  | 0.95<br>(2.09) | 1.21<br>(2.67)  |                |                | 0.67<br>(1.48) | 0.87<br>(1.92)  | 6.03<br>(19'9")  |
|  | 1 (3'3")                       |                          |                 | 2.03<br>(4.48)  | 2.68<br>(5.91)  | 1.31<br>(2.89)  | 1.68<br>(3.70)  | 0.91<br>(2.01) | 1.17<br>(2.58)  |                |                | 0.67<br>(1.48) | 0.87<br>(1.92)  | 5.97<br>(19'7")  |
|  | 0 (Ground)                     |                          |                 | 1.97<br>(4.34)  | 2.61<br>(5.76)  | 1.25<br>(2.76)  | 1.63<br>(3.59)  | 0.88<br>(1.94) | 1.14<br>(2.51)  |                |                | 0.71<br>(1.57) | 0.92<br>(2.03)  | 5.72<br>(18'9")  |
|  | -1 (-3'3")                     | *3.31<br>(7.30)          | *3.31<br>(7.30) | 1.95<br>(4.30)  | 2.59<br>(5.71)  | 1.23<br>(2.71)  | 1.61<br>(3.55)  | 0.87<br>(1.92) | 1.13<br>(2.49)  |                |                | 0.82<br>(1.81) | 1.07<br>(2.36)  | 5.22<br>(17'2")  |
|  | -2 (-6'7")                     | *4.16<br>(9.17)          | *4.16<br>(9.17) | 1.97<br>(4.34)  | 2.61<br>(5.76)  | 1.24<br>(2.73)  | 1.62<br>(3.57)  |                |                 |                |                | 1.10<br>(2.43) | 1.43<br>(3.15)  | 4.39<br>(14'5")  |
|  |                                |                          |                 |                 |                 |                 |                 |                |                 |                |                |                |                 |                  |
| Boom 3.72 m (12'2")<br>Arm 2.12 m (6'11")<br>Bucket<br>PCSA: 0.28 m <sup>3</sup><br>(0.37 yd <sup>3</sup> )<br>CECE: 0.25 m <sup>3</sup><br>Shoes R 450 mm (18") | 4 (13'1")                      |                          |                 |                 |                 | *1.11<br>(2.45) | *1.11<br>(2.45) | 1.03<br>(2.27) | *1.23<br>(2.71) |                |                | 0.71<br>(1.57) | *0.77<br>(1.70) | 6.08<br>(19'11") |
|  | 3 (9'10")                      |                          |                 | *1.38<br>(3.04) | *1.38<br>(3.04) | *1.33<br>(2.93) | *1.33<br>(2.93) | 1.01<br>(2.23) | 1.28<br>(2.82)  |                |                | 0.63<br>(1.39) | *0.77<br>(1.70) | 6.39<br>(21'0")  |
|  | 2 (6'7")                       |                          |                 | *2.14<br>(4.72) | *2.14<br>(4.72) | 1.41<br>(3.11)  | *1.68<br>(3.70) | 0.97<br>(2.14) | 1.24<br>(2.73)  |                |                | 0.59<br>(1.30) | 0.77<br>(1.70)  | 6.52<br>(21'5")  |
|  | 1 (3'3")                       |                          |                 | 2.09<br>(4.61)  | 2.74<br>(6.04)  | 1.33<br>(2.93)  | 1.71<br>(3.77)  | 0.93<br>(2.05) | 1.19<br>(2.62)  | 0.69<br>(1.52) | 0.89<br>(1.96) | 0.58<br>(1.28) | 0.76<br>(1.68)  | 6.47<br>(21'3")  |
|  | 0 (Ground)                     |                          |                 | 1.98<br>(4.37)  | 2.63<br>(5.80)  | 1.27<br>(2.80)  | 1.64<br>(3.62)  | 0.89<br>(1.96) | 1.15<br>(2.54)  | 0.67<br>(1.48) | 0.87<br>(1.92) | 0.61<br>(1.35) | 0.80<br>(1.76)  | 6.23<br>(20'5")  |
|  | -1 (-3'3")                     | *3.07<br>(6.77)          | *3.07<br>(6.77) | 1.94<br>(4.28)  | 2.58<br>(5.69)  | 1.23<br>(2.71)  | 1.61<br>(3.55)  | 0.87<br>(1.92) | 1.13<br>(2.49)  | 0.65<br>(1.43) | 0.85<br>(1.87) | 0.69<br>(1.52) | 0.90<br>(1.98)  | 5.79<br>(19'0")  |
|  | -2 (-6'7")                     | 4.08<br>(9.00)           | *4.67<br>(10.3) | 1.94<br>(4.28)  | 2.58<br>(5.69)  | 1.22<br>(2.69)  | 1.60<br>(3.53)  | 0.87<br>(1.92) | 1.13<br>(2.49)  |                |                | 0.86<br>(1.90) | 1.12<br>(2.47)  | 5.07<br>(16'8")  |
|  | -3 (-9'10")                    | *3.91<br>(8.62)          | *3.91<br>(8.62) | 1.98<br>(4.37)  | 2.63<br>(5.80)  | 1.25<br>(2.76)  | 1.63<br>(3.59)  |                |                 |                |                |                |                 |                  |

- Notes: 1. Ratings are based on SAE J1097.  
 2. Lifting capacity of the Super EX Series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.  
 3. The load point is a hook (not standard equipment) loaded on the back of the bucket.  
 4. \*Indicates load limited by hydraulic capacity.



**EX60-3 Off-set front with Dozer blade (on ground)**


Rating over-side or 360 degrees



Rating over-front

Unit: 1 000 kg (1 000 lb)

| Conditions   | Load point height<br>m (ft in) | Load radius<br>m (ft in) |                 |                 |                 |                 |                 |                |                |           |  | At max. reach                   |                |                  |
|--|--------------------------------|--------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|----------------|----------------|-----------|--|---------------------------------|----------------|------------------|
|  |                                | 2 (6'7")                 |                 | 3 (9'10")       |                 | 4 (13'1")       |                 | 5 (16'5")      |                | 6 (19'8") |  | At max. reach<br>@<br>m (ft in) |                |                  |
|  |                                |                          |                 |                 |                 |                 |                 |                |                |           |  |                                 |                |                  |
| Boom 3.72 m (12'2")<br>Arm 1.62 m (5'4")<br>Bucket<br>PCSA: 0.28 m <sup>3</sup><br>(0.37 yd <sup>3</sup> )<br>CECE: 0.25 m <sup>3</sup><br>Shoes 450 mm (18")<br>Blade position:<br>front side | 4 (13'1")                      |                          |                 | *1.35<br>(2.98) | *1.35<br>(2.98) | *1.32<br>(2.91) | *1.32<br>(2.91) |                |                |           |  | 0.81<br>(1.79)                  | 0.94<br>(2.07) | 5.54<br>(18'2")  |
|  | 3 (9'10")                      |                          |                 | *1.77<br>(3.90) | *1.77<br>(3.90) | 1.47<br>(3.24)  | *1.50<br>(3.31) | 0.96<br>(2.12) | 1.11<br>(2.45) |           |  | 0.68<br>(1.50)                  | 0.80<br>(1.76) | 5.89<br>(19'4")  |
|  | 2 (6'7")                       |                          |                 |                 |                 | 1.34<br>(2.95)  | 1.57<br>(3.46)  | 0.91<br>(2.01) | 1.06<br>(2.34) |           |  | 0.61<br>(1.35)                  | 0.73<br>(1.61) | 6.03<br>(19'9")  |
|  | 1 (3'3")                       |                          |                 |                 |                 | 1.21<br>(2.67)  | 1.43<br>(3.15)  | 0.84<br>(1.85) | 0.99<br>(2.18) |           |  | 0.59<br>(1.30)                  | 0.71<br>(1.57) | 5.98<br>(19'7")  |
|  | 0 (Ground)                     |                          |                 | 1.67<br>(3.68)  | 2.01<br>(4.43)  | 1.13<br>(2.49)  | 1.34<br>(2.95)  | 0.79<br>(1.74) | 0.94<br>(2.07) |           |  | 0.62<br>(1.37)                  | 0.74<br>(1.63) | 5.73<br>(18'10") |
|  | -1 (-3'3")                     |                          |                 | 1.71<br>(3.77)  | 2.07<br>(4.56)  | 1.09<br>(2.40)  | 1.30<br>(2.87)  | 0.77<br>(1.70) | 0.91<br>(2.01) |           |  | 0.72<br>(1.59)                  | 0.86<br>(1.90) | 5.24<br>(17'2")  |
|  | -2 (-6'7")                     | *3.57<br>(7.87)          | *3.57<br>(7.87) | 1.74<br>(3.84)  | 2.11<br>(4.65)  | 1.10<br>(2.43)  | 1.31<br>(2.89)  |                |                |           |  | 0.98<br>(2.16)                  | 1.16<br>(2.56) | 4.41<br>(14'6")  |

**EX60LC-3 Off-set front with Dozer blade (on ground)**

|  |            |                 |                 |                 |                 |                 |                 |                |                |  |  |                |                 |                  |
|--|------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|----------------|----------------|--|--|----------------|-----------------|------------------|
| Boom 3.72 m (12'2")<br>Arm 1.62 m (5'4")<br>Bucket<br>PCSA: 0.28 m <sup>3</sup><br>(0.37 yd <sup>3</sup> )<br>CECE: 0.25 m <sup>3</sup><br>Shoes 450 mm (18")<br>Blade position:<br>front side | 4 (13'1")  |                 |                 | *1.35<br>(2.98) | *1.35<br>(2.98) | *1.32<br>(2.91) | *1.32<br>(2.91) |                |                |  |  | 0.93<br>(2.05) | *1.05<br>(2.32) | 5.54<br>(18'2")  |
|  | 3 (9'10")  |                 |                 | *1.77<br>(3.90) | *1.77<br>(3.90) | *1.50<br>(3.31) | *1.50<br>(3.31) | 1.09<br>(2.40) | 1.25<br>(2.76) |  |  | 0.78<br>(1.72) | 0.90<br>(1.98)  | 5.89<br>(19'4")  |
|  | 2 (6'7")   |                 |                 |                 |                 | 1.52<br>(3.35)  | 1.76<br>(3.88)  | 1.03<br>(2.27) | 1.19<br>(2.62) |  |  | 0.71<br>(1.57) | 0.83<br>(1.83)  | 6.03<br>(19'9")  |
|  | 1 (3'3")   |                 |                 |                 |                 | 1.39<br>(3.06)  | 1.62<br>(3.57)  | 0.97<br>(2.14) | 1.12<br>(2.47) |  |  | 0.70<br>(1.54) | 0.81<br>(1.79)  | 5.98<br>(19'7")  |
|  | 0 (Ground) |                 |                 | 1.93<br>(4.26)  | 2.31<br>(5.09)  | 1.30<br>(2.87)  | 1.53<br>(3.37)  | 0.92<br>(2.03) | 1.07<br>(2.36) |  |  | 0.73<br>(1.61) | 0.85<br>(1.87)  | 5.73<br>(18'10") |
|  | -1 (-3'3") |                 |                 | 1.98<br>(4.37)  | 2.39<br>(5.27)  | 1.26<br>(2.78)  | 1.49<br>(3.29)  | 0.90<br>(1.98) | 1.05<br>(2.32) |  |  | 0.84<br>(1.85) | 0.98<br>(2.16)  | 5.24<br>(17'2")  |
|  | -2 (-6'7") | *3.57<br>(7.87) | *3.57<br>(7.87) | 2.01<br>(4.43)  | 2.43<br>(5.36)  | 1.27<br>(2.80)  | 1.50<br>(3.31)  |                |                |  |  | 1.14<br>(2.51) | 1.33<br>(2.93)  | 4.41<br>(14'6")  |

- Notes:
1. Ratings are based on SAE J11097.
  2. Lifting capacity of the Super EX Series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
  3. The load point is a hook (not standard equipment) loaded on the back of the bucket.
  4. \*Indicates load limited by hydraulic capacity.


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**ENGINE**

- 25 A alternator
- Dry-type air filter with evacuator valve
- Cartridge-type engine oil filter
- Cartridge type fuel filter
- Radiator and oil cooler with dust protective net
- Radiator reserve tank
- Fan guard
- Isolation-mounted engine
- Auto-idling system

**HYDRAULIC SYSTEM**

- ETS
- E-P control system (power mode selector: with speed sensing system)
- OHS
- Hydraulic warm-up control system for hydraulic oil
- Quick warm-up system for pilot circuit
- Shockless valve in pilot circuit
- Swing cushion valve in swing circuit

- Travel cushion valve in travel circuit.
- Accumulator in pilot circuit
- Control valve with main relief valve
- Extra port for control valve
- Suction filter
- Full-flow filter
- Pilot filter

**CAB**

All-weather sound-suppressed steel cab equipped with reinforced, tinted (bronze color) glass windows, openable front windows-upper, lower and both side windows with intermittent windshield wipers, curved rear window, adjustable reclining seat with armrests, footrest, electric double horn, auto-tuning radio with digital clock, auto-idle switch, seat belt, cigarette lighter, ashtray, parcel pocket, rear tray, floor mat, heater and pilot control shut-off lever.

**MONITOR SYSTEM**

- Meters: Hourmeter, engine coolant temperature gauge and fuel meter.
- Warning lamps: Alternator charge, engine oil pressure, engine overheat, air cleaner clog
- Pilot lamps: Engine preheat.
- Alarm buzzers: Engine oil pressure and engine overheat.

**LIGHTS**

- 2 working lights and 1 cab light

**UPPERSTRUCTURE**

- Undercover
- 650 kg (1 430 lb) counterweight
- Fuel level gauge
- Hydraulic oil level gauge
- Tool box
- Swing parking brake

**UNDERCARRIAGE**

- Travel parking brake
- Travel motor covers
- Hydraulic track adjuster
- Bolt-on sprocket
- Upper rollers and lower rollers
- Reinforced track links with pin seals
- 450 mm (18") triple grouser shoes

**FRONT ATTACHMENTS**

- Bucket clearance adjust mechanism
- Monolithically cast bucket link A
- Centralized lubrication system
- Dirt seals on all bucket pins
- 1.62 m (5'4") arm
- 0.28 m<sup>3</sup> (0.37 yd<sup>3</sup>: PCSA heaped) bucket

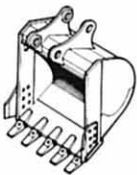
**MISCELLANEOUS**

- Standard tool kit
- Lockable machine covers
- Fuel filling cap
- Skid-resistant tapes and handrails.

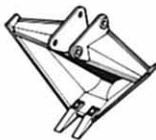
- Air conditioner
- Multi selection lever with rotary valve
- Electric fuel refilling pump
- Swing alarm with lamps
- Travel alarm with cancel switch

**Type of Bucket**

**Type of Shoe**



Reinforced bucket



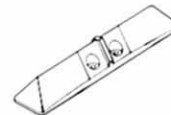
V-shaped bucket



Slope-finishing blade



Triple grouser shoe  
600 mm (24")



Triangular shoe  
500 mm (20"),  
700 mm (28")



Flat shoe  
450 mm (18")



**JC Machinery**

**SUNIGHT**

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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, such as side mirror, for the models sold in North America.

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