

Volvo Construction Equipment  
Building Tomorrow



# EC380E<sub>HR</sub>, EC480E<sub>HR</sub>, EC750E<sub>HR</sub>

Volvo Excavators



# Volvo EC380E<sub>HR</sub>, E480E<sub>HR</sub>, EC750E<sub>HR</sub> in detail

## Engine

The latest generation, Volvo engine Tier 4f emissions certified diesel engine fully meets the demands of the latest, emissions regulations. Featuring Volvo Advanced Combustion Technology (V-ACT), it is designed to deliver superior performance and fuel efficiency. The engine uses precise, highpressure fuel injectors, turbo charger and air-to-air intercooler, and electronic engine controls to optimize machine performance. Air Filter: 3-stage with precleaner. Automatic Idling System: Reduces engine speed to idle when the levers and pedals are not activated resulting in less fuel consumption and low cab noise levels.

### EC380EHR

|                            |                      |                       |
|----------------------------|----------------------|-----------------------|
| Engine Tier 4f             | Volvo                | D13J                  |
| Max power at               | r/s / r/min          | 28 / 1,700            |
| Net, ISO 9249/SAE J1349    | kW (hp)              | 229 (307)             |
| Gross, ISO 14396/SAE J1995 | kW (hp)              | 230 (308)             |
| Max torque at              | Nm (lbf ft) / r/min  | 1,692 (1,248) / 1,275 |
| No. of cylinders           |                      | 6                     |
| Displacement               | l (in <sup>3</sup> ) | 12.8 (781)            |
| Bore                       | mm (in)              | 131 (5.16)            |
| Stroke                     | mm (in)              | 158 (6.22)            |

### EC480EHR

|                            |                      |                       |
|----------------------------|----------------------|-----------------------|
| Engine Tier 4f             | Volvo                | D13J                  |
| Max power at               | r/s / r/min          | 30 / 1,800            |
| Net, ISO 9249/SAE J1349    | kW (hp)              | 283 (380)             |
| Gross, ISO 14396/SAE J1995 | kW (hp)              | 284 (381)             |
| Max torque at              | Nm (lbf ft) / r/min  | 1,928 (1,422) / 1,350 |
| No. of cylinders           |                      | 6                     |
| Displacement               | l (in <sup>3</sup> ) | 12.8 (781)            |
| Bore                       | mm (in)              | 131 (5.16)            |
| Stroke                     | mm (in)              | 158 (6.22)            |

### EC750EHR

|                            |                      |                       |
|----------------------------|----------------------|-----------------------|
| Engine Tier 4f             | Volvo                | D16J                  |
| Max power at               | r/s / r/min          | 30 / 1,800            |
| Net, ISO 9249/SAE J1349    | kW (hp)              | 392 (526)             |
| Gross, ISO 14396/SAE J1995 | kW (hp)              | 393 (527)             |
| Max torque at              | Nm (lbf ft) / r/min  | 2,570 (1,896) / 1,350 |
| No. of cylinders           |                      | 6                     |
| Displacement               | l (in <sup>3</sup> ) | 16.1 (982)            |
| Bore                       | mm (in)              | 144 (5.67)            |
| Stroke                     | mm (in)              | 165 (6.5)             |

## Electrical system

High-capacity electrical system that is well protected. Waterproof double-lock harness plugs are used to secure corrosion-free connections. The main relays and solenoid valves are shielded to prevent damage. The master switch is standard. Contronics provides advanced monitoring of machine functions and important diagnostic information.

|                  |        | EC380EHR | EC480EHR | EC750EHR |
|------------------|--------|----------|----------|----------|
| Voltage          | V      | 24       | 24       | 24       |
| Batteries        | V      | 2 x 12   | 2 x 12   | 2 x 12   |
| Battery capacity | Ah     | 200      | 200      | 210      |
| Alternator       | V / Ah | 28 / 80  | 28 / 80  | 28 / 80  |

## Swing system

The swing system uses an axial piston motors, driving a planetary gearbox for maximum torque. An automatic holding brake and anti-rebound valve are standard.

|                  |              | EC380EHR       | EC480EHR        | EC750EHR        |
|------------------|--------------|----------------|-----------------|-----------------|
| Max. slew speed  | r/min        | 10.2           | 9.3             | 7               |
| Max. slew torque | kNm (lbf ft) | 130.5 (96,252) | 166.3 (122,656) | 275.3 (203,051) |

## Drive

Each track is powered by an automatic two-speed shift travel motor. The track brakes are multi-disc, spring-applied and hydraulic released. The travel motor, brake and planetary gears are well protected within the track frame.

|                                       |             | EC380EHR          | EC480EHR          | EC750EHR          |
|---------------------------------------|-------------|-------------------|-------------------|-------------------|
| Max. drawbar pull                     | kN (lb)     | 276.5 (62,160)    | 333 (74,861)      | 472 (106,110)     |
| Max. travel speed (1st Gear/2nd Gear) | km/h (mi/h) | 3.4/5.3 (2.1/3.3) | 3.2/5.2 (2.0/3.2) | 2.9/4.6 (1.8/2.9) |
| Gradeability                          | °           | 35                | 35                | 33                |

## Undercarriage

The undercarriage has a robust X-shaped frame. Greased and sealed track chains are standard.

|                            |         | EC380EHR                                  | EC480EHR                                  | EC750EHR                       |
|----------------------------|---------|-------------------------------------------|-------------------------------------------|--------------------------------|
| Track pads                 |         | 2 x 50                                    | 2 x 52                                    | 2 x 52                         |
| Link pitch                 | mm (in) | 215.9 (8.5)                               | 215.9 (8.5)                               | 260.4 (10.25)                  |
| Shoe width, triple grouser | mm (in) | 600 / 700 / 800 / 900 (24 / 28 / 32 / 36) | 600 / 700 / 800 / 900 (24 / 28 / 32 / 36) | -                              |
| Shoe width, double grouser | mm (in) | 600 (24)                                  | 600 (24)                                  | 650 / 750 / 900 (26 / 30 / 36) |
| Bottom rollers             |         | 2 x 9                                     | 2 x 9                                     | 2 x 9                          |
| Top rollers                |         | 2 x 2(2 x 3*)                             | 2 x 2(2 x 3*)                             | 2 x 3                          |

\* Retractable undercarriage

| Service refill capacities |         |                   |                 |                    |
|---------------------------|---------|-------------------|-----------------|--------------------|
|                           |         | EC380EHR          | EC480EHR        | EC750EHR           |
| Fuel tank                 | l (gal) | 620 (163.8)       | 680 (179.6)     | 800 (211.3)        |
| AdBlue/DEF tank           | l (gal) | 62.5 (16.5)       | 62.5 (16.5)     | 80 (21.1)          |
| Hydraulic system, total   | l (gal) | 500 (132.1)       | 525 (138.7)     | 655 (173.0)        |
| Hydraulic tank            | l (gal) | 225 (59.4)        | 270 (71.3)      | 350 (92.5)         |
| Engine oil                | l (gal) | 42 (11.1)         | 42 (11.1)       | 52 (13.7)          |
| Engine coolant            | l (gal) | 60 (15.9)         | 60 (15.9)       | 66 (17.4)          |
| Slew reduction unit       | l (gal) | 6.5 (1.7)         | 2 x 6 (2 x 1.6) | 2 x 6.8 (2 x 1.8)  |
| Travel reduction unit     | l (gal) | 2 x 6.8 (2 x 1.8) | 2 x 7.5 (2 x 2) | 2 x 13.5 (2 x 3.6) |

#### Tilting Cab

The standard hydraulically tilting cabin tilts up to 30 degrees to enhance visibility and reduce operator fatigue and neck strain on high-reach jobs. The operator's cab has easy access via a wide door opening. The cab is supported on hydraulic dampening mounts to reduce shock and vibration levels. These along with sound absorbing lining provide low noise levels. The cab has excellent all-round visibility, especially upward, with a wide front glass and top wiper. Integrated air-conditioning and heating system: The pressurized and filtered cab air is supplied by an automatically-controlled fan. The air is distributed throughout the cab from 14 vents. Ergonomic operator's seat: The adjustable seat and joystick console move independently to accommodate the operator. The seat has 12 different adjustments plus a seat belt for the operator's comfort and safety. Refrigerant of the type R134a is used when this machine is equipped with air conditioning. Contains fluorinated greenhouse gas R134a, Global Warming Potential 1.430 t CO<sub>2</sub>-eq

#### Sound Level

|                                                                              |    | EC380EHR | EC480EHR | EC750EHR |
|------------------------------------------------------------------------------|----|----------|----------|----------|
| Sound pressure level in cab according to ISO 6396                            |    |          |          |          |
| L <sub>pA</sub>                                                              | dB | 71       | 71       | 72       |
| External sound level according to ISO 6395 and EU Noise Directive 2000/14/EC |    |          |          |          |
| L <sub>WA</sub>                                                              | dB | 105      | 106      | 108      |

#### Hydraulic system

The new electro-hydraulic system and new MCV (main control valve) use intelligent technology to control on-demand flow for high-productivity, high-digging capacity and excellent fuel consumption. The following important functions are included in the system: Summation system: Combines the flow of both hydraulic pumps to a single function to ensure quick cycle times and high productivity. Boom priority: Gives priority to the boom operation for faster raising when loading or performing deep excavations. Arm priority: Gives priority to the arm operation for faster cycle times in leveling and for increased bucket filling when digging. Swing priority: Gives priority to swing functions for faster simultaneous operations. Regeneration system: Prevents cavitation and provides flow to other movements during simultaneous operations for maximum productivity. Power boost: All digging and lifting forces are increased. Holding valves: Boom and arm holding valves prevent the digging equipment from creeping

|                                                              | EC380EHR        | EC480EHR           | EC750EHR           |
|--------------------------------------------------------------|-----------------|--------------------|--------------------|
| Main pump, Type 2 x variable displacement axial piston pumps |                 |                    |                    |
| Maximum flow                                                 | l/min (gal/min) | 2 x 300 (2 x 79.3) | 2 x 376 (2 x 99.3) |
| Pilot pump, Type Gear pump                                   |                 |                    |                    |
| Maximum flow                                                 | l/min (gal/min) | 32.6 (8.6)         | 32 (8.5)           |
|                                                              |                 |                    | 34.5 (9.1)         |

#### Hydraulic motors

Travel: Variable displacement axial piston motor with mechanical brake  
Slew: Fixed displacement axial piston motor with mechanical brake

|                      | EC380EHR  | EC480EHR                | EC750EHR                |
|----------------------|-----------|-------------------------|-------------------------|
| Relief valve setting |           |                         |                         |
| Implement            | Mpa (psi) | 32.4/35.3 (4,699/5,120) | 32.4/35.3 (4,699/5,120) |
| Travel circuit       | Mpa (psi) | 35.3 (5,120)            | 32.4 (4,699)            |
| Slew circuit         | Mpa (psi) | 27.9 (4,047)            | 25.8 (3,742)            |
| Pilot circuit        | Mpa (psi) | 3.9 (566)               | 3.9 (566)               |

#### Base boom cylinder

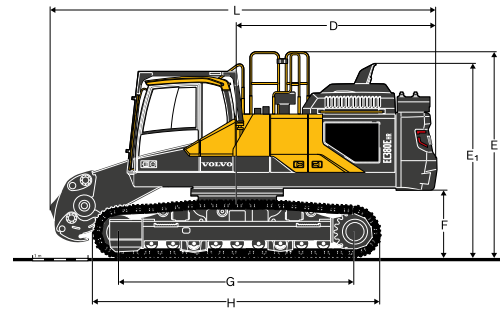
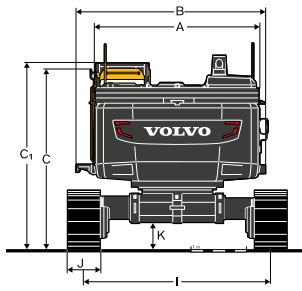
|                             | Qty | Bore<br>ø mm (in) | Stroke<br>mm (in) |
|-----------------------------|-----|-------------------|-------------------|
| EC380EHR Base boom cylinder | 2   | 165 (6.5)         | 1,530 (60.2)      |
| EC480EHR Base boom cylinder | 2   | 180 (7.1)         | 1,590 (62.6)      |
| EC750EHR Base boom cylinder | 2   | 230 (9.1)         | 1,697 (66.8)      |

# Specifications

| MACHINE WEIGHTS                                      |    |    |                               |         |                               |         |
|------------------------------------------------------|----|----|-------------------------------|---------|-------------------------------|---------|
| EC380EHR                                             |    |    | 600 mm (24") shoe             |         | 600 mm (24") shoe             |         |
|                                                      |    |    | Fixed undercarriage           |         | Hydraulically retracted       |         |
| At Demolition Equipment                              |    |    |                               |         |                               |         |
| Base machine                                         | kg | lb | 36,540                        | 80,557  | 40,740                        | 89,816  |
| 3-piece demolition equipment (incl cradle)           | kg | lb | 7,510                         | 16,557  | 7,510                         | 16,557  |
| Additional CWT                                       | kg | lb | 2,750                         | 6,063   | 2,750                         | 6,063   |
| Total weight                                         | kg | lb | 46,800                        | 103,176 | 51,000                        | 112,436 |
| At Digging Equipment                                 |    |    |                               |         |                               |         |
| Base machine                                         | kg | lb | 36,540                        | 80,557  | 40,740                        | 89,816  |
| Digging equipment with 3.35m (11') arm (incl cradle) | kg | lb | 5,180                         | 11,420  | 5,180                         | 11,420  |
| Boom extension (incl cradle)                         | kg | lb | NO                            |         | 3,850                         | 8,488   |
| Total weight without boom extension                  | kg | lb | 41,720                        | 91,977  | 45,920                        | 101,236 |
| Total weight with boom extension                     | kg | lb | NO                            |         | 49,770                        | 109,724 |
| EC480EHR (Hydraulically removable counterweight)     |    |    | 600 mm (24") shoe             |         | 600 mm (24") shoe             |         |
|                                                      |    |    | Mech. retracted undercarriage |         | Hydr. retracted undercarriage |         |
| At Demolition Equipment                              |    |    |                               |         |                               |         |
| Base machine                                         | kg | lb | 45,485                        | 100,277 | 50,265                        | 110,815 |
| 3-piece demolition equipment (incl cradle)           | kg | lb | 9,755                         | 21,506  | 9,755                         | 21,506  |
| Additional CWT                                       | kg | lb | 3,500                         | 7,716   | 3,500                         | 7,716   |
| Total weight                                         | kg | lb | 58,740                        | 129,499 | 63,520                        | 140,037 |
| At Digging Equipment                                 |    |    |                               |         |                               |         |
| Base machine                                         | kg | lb | 45,685                        | 100,718 | 50,265                        | 110,815 |
| Digging equipment with 3.35m (11') arm (incl cradle) | kg | lb | 6,350                         | 13,999  | 6,350                         | 13,999  |
| Boom extension (incl cradle)                         | kg | lb | NO                            |         | 3,845                         | 8,477   |
| Total weight without boom extension                  | kg | lb | 51,835                        | 114,276 | 56,615                        | 124,815 |
| Total weight with boom extension                     | kg | lb | NO                            |         | 60,460                        | 133,291 |
| EC750EHR (Hydraulically removable counterweight)     |    |    | 750 mm (30") shoe             |         |                               |         |
|                                                      |    |    | Hydr. retracted undercarriage |         |                               |         |
| At Demolition Equipment                              |    |    |                               |         |                               |         |
| Base machine (with undercarriage)                    | kg | lb | 79,342                        |         | 174,919                       |         |
| Undercarriage (2)                                    | kg | lb | 39,248                        |         | 86,527                        |         |
| 3-piece demolition equipment (incl cradle)           | kg | lb | 19,500                        |         | 42,990                        |         |
| Additional CWT                                       | kg | lb | 4,186                         |         | 9,229                         |         |
| Total weight                                         | kg | lb | 103,028                       |         | 227,138                       |         |
| At Digging Equipment                                 |    |    |                               |         |                               |         |
| Base machine (with undercarriage)                    | kg | lb | 79,342                        |         | 174,919                       |         |
| Undercarriage (2)                                    | kg | lb | 39,248                        |         | 86,527                        |         |
| Digging equipment with 3.35m (11') arm (incl cradle) | kg | lb | 10,880                        |         | 23,986                        |         |
| Boom extension (incl cradle)                         | kg | lb | 6,780                         |         | 14,947                        |         |
| Total weight without boom extension                  | kg | lb | 89,460                        |         | 197,225                       |         |
| Additional CWT                                       | kg | lb | 4,186                         |         | 9,229                         |         |
| Total weight with boom extension                     | kg | lb | 101,188                       |         | 223,081                       |         |

| GROUND PRESSURE                                                                                                                                                                             |            |    |                  |         |                 |      |               |       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|----|------------------|---------|-----------------|------|---------------|-------|
| Description                                                                                                                                                                                 | Shoe width |    | Operating weight |         | Ground pressure |      | Overall width |       |
|                                                                                                                                                                                             | mm         | in | kg               | lb      | kPa             | psi  | mm            | ft in |
| <b>EC380EHR</b>                                                                                                                                                                             |            |    |                  |         |                 |      |               |       |
| 23 m (75.5 ft) high reach boom, fixed undercarriage, 2,500 kg (5,512 lb) tool weight, 10,000 kg (22,046 lb) counterweight                                                                   |            |    |                  |         |                 |      |               |       |
| Triple grouser                                                                                                                                                                              | 600        | 24 | 48,615           | 107,178 | 86.7            | 12.6 | 3 980         | 13'1" |
|                                                                                                                                                                                             | 700        | 28 | 49,055           | 108,148 | 75              | 10.9 | 4 080         | 13'5" |
|                                                                                                                                                                                             | 800        | 32 | 49,505           | 109,140 | 66.2            | 9.6  | 4 180         | 13'9" |
|                                                                                                                                                                                             | 900        | 36 | 49,955           | 110,132 | 59.4            | 8.6  | 4 280         | 14'1" |
| Triple grouser (HD)                                                                                                                                                                         | 600        | 24 | 49,065           | 108,170 | 87.5            | 12.7 | 3 980         | 13'1" |
| Double grouser                                                                                                                                                                              | 600        | 24 | 48,895           | 107,795 | 87.2            | 12.6 | 3 980         | 13'1" |
| <b>EC380EHR</b>                                                                                                                                                                             |            |    |                  |         |                 |      |               |       |
| 23 m (75.5 ft) high reach boom, hydraulically retractable undercarriage, 3,000 kg (6,614 lb) tool weight, 10,000 kg (22,046 lb) counterweight                                               |            |    |                  |         |                 |      |               |       |
| Triple grouser                                                                                                                                                                              | 600        | 24 | 53,310           | 117,528 | 95.1            | 13.8 | 3 980         | 13'1" |
|                                                                                                                                                                                             | 700        | 28 | 53,750           | 118,498 | 82.2            | 11.9 | 4 080         | 13'5" |
|                                                                                                                                                                                             | 800        | 32 | 54,200           | 119,490 | 71.7            | 10.4 | 4 180         | 13'9" |
|                                                                                                                                                                                             | 900        | 36 | 54,650           | 120,482 | 65              | 9.4  | 4 280         | 14'1" |
| Triple grouser (HD)                                                                                                                                                                         | 600        | 24 | 53,760           | 118,520 | 95.9            | 13.9 | 3 980         | 13'1" |
| Double grouser                                                                                                                                                                              | 600        | 24 | 53,590           | 118,146 | 95.6            | 13.9 | 3 980         | 13'1" |
| <b>EC480EHR</b>                                                                                                                                                                             |            |    |                  |         |                 |      |               |       |
| 28 m (91.9 ft) high reach boom; mech. retractable undercarriage, 3,000 kg (6,614 lb) tool weight, 13,000 kg (28,660 lb) counterweight                                                       |            |    |                  |         |                 |      |               |       |
| Triple grouser                                                                                                                                                                              | 600        | 24 | 61,305           | 135,154 | 105.5           | 15.3 | 3,490         | 11'5" |
|                                                                                                                                                                                             | 700        | 28 | 61,805           | 136,257 | 91.2            | 13.2 | 3,590         | 11'9" |
|                                                                                                                                                                                             | 800        | 32 | 62,310           | 137,370 | 80.4            | 11.7 | 3,690         | 12'1" |
|                                                                                                                                                                                             | 900        | 36 | 62,810           | 138,472 | 72.1            | 10.5 | 3,790         | 12'5" |
| Double grouser                                                                                                                                                                              | 600        | 24 | 61,355           | 135,264 | 105.6           | 15.3 | 3,490         | 11'5" |
| <b>EC480EHR</b>                                                                                                                                                                             |            |    |                  |         |                 |      |               |       |
| 28 m (91.9 ft) high reach boom; hydraulically retractable undercarriage, 3,500 kg (7,716 lb) tool weight, 13,000 kg (28,660 lb) counterweight                                               |            |    |                  |         |                 |      |               |       |
| Triple grouser                                                                                                                                                                              | 600        | 24 | 66,585           | 146,795 | 114.4           | 16.6 | 3,980         | 13'1" |
|                                                                                                                                                                                             | 700        | 28 | 67,085           | 147,897 | 98.8            | 14.3 | 4,080         | 13'5" |
|                                                                                                                                                                                             | 800        | 32 | 67,590           | 149,010 | 87.1            | 12.6 | 4,180         | 13'9" |
|                                                                                                                                                                                             | 900        | 36 | 68,090           | 150,113 | 78              | 11.3 | 4,280         | 14'1" |
| Double grouser                                                                                                                                                                              | 600        | 24 | 66,635           | 146,905 | 114.5           | 16.6 | 3,980         | 13'1" |
| <b>EC750EHR</b>                                                                                                                                                                             |            |    |                  |         |                 |      |               |       |
| 36 m (118.1 ft) high reach boom; hydraulically retractable undercarriage, 3,600 kg (7,940 lb) tool weight, 15,000 kg (33,069 lb) counterweight                                              |            |    |                  |         |                 |      |               |       |
| Double grouser                                                                                                                                                                              | 650        | 26 | 103,267          | 227,664 | 136.3           | 19.8 | 3,795         | 12'5" |
|                                                                                                                                                                                             | 750        | 30 | 104,029          | 229,344 | 119             | 17.3 | 3,800         | 12'6" |
|                                                                                                                                                                                             | 900        | 36 | 105,172          | 231,864 | 100.3           | 14.5 | 3,950         | 13'0" |
| <b>EC750EHR</b>                                                                                                                                                                             |            |    |                  |         |                 |      |               |       |
| 26 m (85.3 ft) high reach boom; hydraulically retractable undercarriage, 5,000 kg (11,023 lb) tool weight, 15,000 kg (33,069 lb) counterweight                                              |            |    |                  |         |                 |      |               |       |
| Double grouser                                                                                                                                                                              | 650        | 26 | 100,183          | 220,865 | 132.3           | 19.2 | 3,795         | 12'5" |
|                                                                                                                                                                                             | 750        | 30 | 100,945          | 222,545 | 115.5           | 16.8 | 3,800         | 12'6" |
|                                                                                                                                                                                             | 900        | 36 | 102,088          | 225,065 | 97.3            | 14.1 | 3,950         | 13'0" |
| <b>EC750EHR</b>                                                                                                                                                                             |            |    |                  |         |                 |      |               |       |
| Digging boom; hydraulically retractable undercarriage, digging boom with extension, 9 100 kg (20,062 lb) tool weight, 15,000 kg (33,069 lb) counterweight                                   |            |    |                  |         |                 |      |               |       |
| Double grouser                                                                                                                                                                              | 650        | 26 | 107,678          | 237,389 | 142.2           | 20.6 | 3,795         | 12'5" |
|                                                                                                                                                                                             | 750        | 30 | 108,440          | 239,069 | 124.1           | 18.0 | 3,800         | 12'6" |
|                                                                                                                                                                                             | 900        | 36 | 109,583          | 241,589 | 104.5           | 15.2 | 3,950         | 13'0" |
| <b>EC750EHR</b>                                                                                                                                                                             |            |    |                  |         |                 |      |               |       |
| Digging boom; hydraulically retractable undercarriage, 4.2 m (13.8 ft) digging arm, 7,260 kg (16,006 lb) tool weight, 11,200 kg (24,692 lb) counterweight, without additional counterweight |            |    |                  |         |                 |      |               |       |
| Double grouser                                                                                                                                                                              | 650        | 26 | 95,875           | 211,368 | 126.6           | 18.4 | 3,795         | 12'5" |
|                                                                                                                                                                                             | 750        | 30 | 96,637           | 213,048 | 110.6           | 16.0 | 3,800         | 12'6" |
|                                                                                                                                                                                             | 900        | 36 | 97,780           | 215,568 | 93.2            | 13.5 | 3,950         | 13'0" |

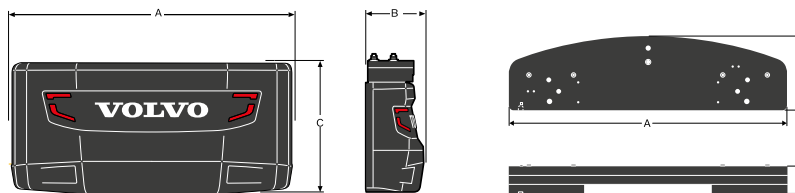
# Specifications



## DIMENSIONS

| Description                                                          | Unit |       | EC380EHR            |        |                                         |        | EC480EHR                               |        |                                         |        | EC750EHR                                |        |
|----------------------------------------------------------------------|------|-------|---------------------|--------|-----------------------------------------|--------|----------------------------------------|--------|-----------------------------------------|--------|-----------------------------------------|--------|
|                                                                      |      |       | Undercarriage fixed |        | Undercarriage hydraulically retractable |        | Undercarriage mechanically retractable |        | Undercarriage hydraulically retractable |        | Undercarriage hydraulically retractable |        |
| A Width superstructure                                               | mm   | ft in | 2,990               | 9'10"  | 2,990                                   | 9'10"  | 2,990                                  | 9'10"  | 2,990                                   | 9'10"  | 3,420                                   | 11'3"  |
| B Overall width with SIPS(both side) & Cab entrance step(Left side)  | mm   | ft in | 3,415               | 11'2"  | 3,415                                   | 11'2"  | 3,415                                  | 11'2"  | 3,415                                   | 11'2"  | 3,904                                   | 12'10" |
| Overall width without SIPS(both side) & Cab entrance step(Left side) | mm   | ft in | 2,990               | 9'10"  | 2,990                                   | 9'10"  | 2,990                                  | 9'10"  | 2,990                                   | 9'10"  | 3,736                                   | 12'3"  |
| C Overall height                                                     | mm   | ft in | 3,235               | 10'7"  | 3,265                                   | 10'9"  | 3,390                                  | 11'1"  | 3,390                                   | 11'1"  | 3,484                                   | 11'5"  |
| C1 Overall height (incl. FOG)                                        | mm   | ft in | 3,330               | 10'11" | 3,360                                   | 11'0"  | 3,500                                  | 11'6"  | 3,500                                   | 11'6"  | 3,562                                   | 11'8"  |
| D Tail swing radius                                                  | mm   | ft in | 3,600               | 11'10" | 3,600                                   | 11'10" | 3,880                                  | 12'9"  | 3,880                                   | 12'9"  | 4,238                                   | 13'11" |
| E Overall height of Handrail                                         | mm   | ft in | 3,690               | 12'1"  | 3,720                                   | 12'2"  | 3,845                                  | 12'7"  | 3,845                                   | 12'7"  | 3,941                                   | 12'11" |
| E Overall height of Diffuser                                         | mm   | ft in | 3,470               | 11'5"  | 3,500                                   | 11'6"  | 3,625                                  | 11'11" | 3,625                                   | 11'11" | 3,790                                   | 12'5"  |
| F Minimum Counterweight clearance *                                  | mm   | ft in | 1,220               | 4'0"   | 1,220                                   | 4'0"   | 1,360                                  | 4'6"   | 1,360                                   | 4'6"   | 1,480                                   | 4'10"  |
| G Tumbler length                                                     | mm   | ft in | 4,240               | 13'11" | 4,240                                   | 13'11" | 4,370                                  | 14'4"  | 4,370                                   | 14'4"  | 5,280                                   | 17'4"  |
| H Track length                                                       | mm   | ft in | 5,180               | 17'0"  | 5,210                                   | 17'1"  | 5,370                                  | 17'7"  | 5,370                                   | 17'7"  | 6,518                                   | 21'5"  |
| I Track gauge (extended)                                             | mm   | ft in | 2,740               | 9'0"   | 3,380                                   | 11'1"  | 2,890                                  | 9'6"   | 3,380                                   | 11'1"  | 4,300                                   | 14'1"  |
| Track gauge (retracted)                                              | mm   | ft in | -                   | -      | 2,390                                   | 7'10"  | 2,390                                  | 7'10"  | 2,390                                   | 7'10"  | 3,050                                   | 10'0"  |
| J Shoe width                                                         | mm   | ft in | 600                 | 2'0"   | 600                                     | 1'12"  | 600                                    | 2'0"   | 600                                     | 2'0"   | 750                                     | 2'6"   |
| K Min. ground clearance *                                            | mm   | ft in | 500                 | 1'8"   | 480                                     | 1'7"   | 710                                    | 2'4"   | 485                                     | 1'7"   | 563                                     | 1'10"  |
| L Overall length                                                     | mm   | ft in | 7,065               | 23'2"  | 7,065                                   | 23'2"  | 7,535                                  | 24'9"  | 7,535                                   | 24'9"  | 8,728                                   | 28'8"  |

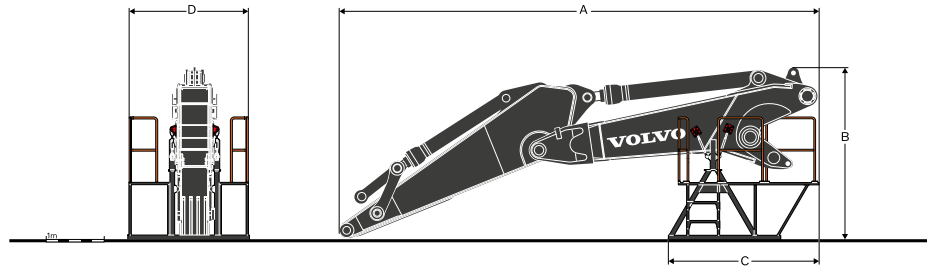
\* With shoe grouser



## DIMENSIONS OF THE COUNTERWEIGHT

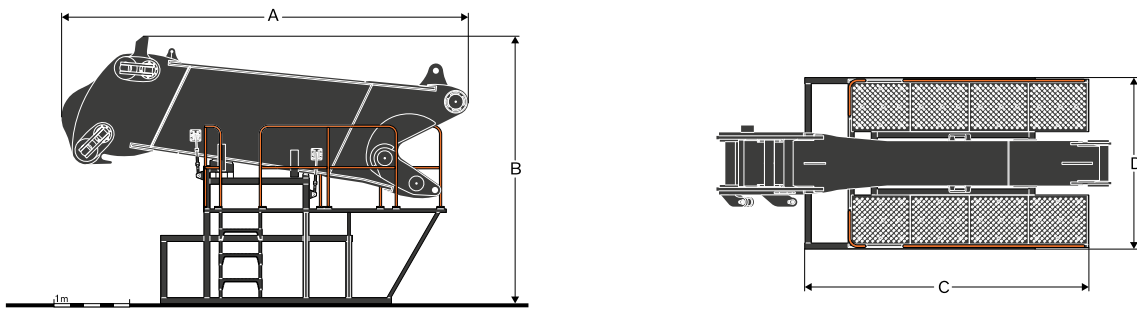
| Description                | Unit |       | EC380EHR |        |                |       | EC480EHR |        |                                 |       | EC750EHR |        |                                 |       |
|----------------------------|------|-------|----------|--------|----------------|-------|----------|--------|---------------------------------|-------|----------|--------|---------------------------------|-------|
|                            |      |       | standard |        | additional cwt |       | standard |        | additional cwt w/ hyd removable |       | standard |        | additional cwt w/ hyd removable |       |
| A Width counterweight      | mm   | ft in | 2,974    | 9'9"   | 2,950          | 9'8"  | 2,990    | 9'10"  | 2,950                           | 9'8"  | 3,406    | 11'2"  | 3,240                           | 10'8" |
| B Thickness counterweight  | mm   | ft in | 734      | 2'5"   | 590            | 1'11" | 920      | 3'0"   | 590                             | 1'11" | 808      | 2'8"   | 658                             | 2'2"  |
| C Height counterweight     | mm   | ft in | 1,395    | 4'7"   | 270            | 0'11" | 1,140    | 3'9"   | 360                             | 1'2"  | 1,747    | 5'9"   | 360                             | 1'2"  |
| Total weight counterweight | kg   | lb    | 7,250    | 15,983 | 2,750          | 6,063 | 9,750    | 21,495 | 3,500                           | 7,716 | 11,200   | 24,692 | 4,186                           | 9,229 |

CAUTION: The machine can transported with the digging boom fitted. If it's transported without digging boom but with additional counterweight, take care of stability (tilting back) during the loading / unloading on truck.



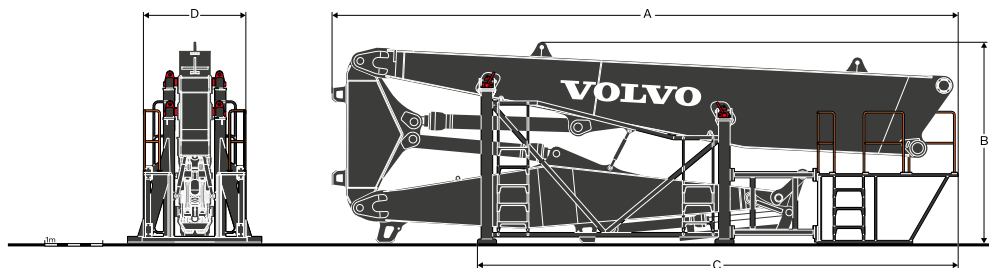
#### DIMENSIONS OF DIGGING EQUIPMENT

| Description                                  | Unit |       | EC380EHR      |        |                |        | EC480EHR       |        |                |        | EC750EHR      |        |
|----------------------------------------------|------|-------|---------------|--------|----------------|--------|----------------|--------|----------------|--------|---------------|--------|
|                                              |      |       | 3.2 m (10'6") |        | 3.9 m (12'10") |        | 3.35 m (11'0") |        | 3.9 m (12'10") |        | 4.2 m (13'9") |        |
| A Length - mounting to arm end               | mm   | ft in | 6,865         | 22'6"  | 7,600          | 24'11" | 8,775          | 28'9"  | 8,785          | 28'10" | 8,870         | 29'1"  |
| B Overall height                             | mm   | ft in | 2,320         | 7'7"   | 2,340          | 7'8"   | 2,500          | 8'2"   | 2,480          | 8'2"   | 2,904         | 9'6"   |
| C Length of support cradle                   | mm   | ft in | 1,185         | 3'11"  | 1,185          | 3'11"  | 2,565          | 8'5"   | 2,571          | 8'5"   | 2,571         | 8'5"   |
| D Width of support cradle                    | mm   | ft in | 1,630         | 5'4"   | 1,630          | 5'4"   | 2,080          | 6'10"  | 2,080          | 6'10"  | 2,580         | 8'6"   |
| Weight of digging boom with transport cradle | kg   | lb    | 5,180         | 11,420 | 5,320          | 11,729 | 6,350          | 13,999 | 6,483          | 14,300 | 11,150        | 24,590 |
| Weight without cradle                        | kg   | lb    | 4,958         | 10,931 | 5,098          | 11,239 | 5,822          | 12,835 | 5,955          | 13,129 | 10,035        | 22,123 |



#### DIMENSIONS OF DIGGING BOOM EXTENSION

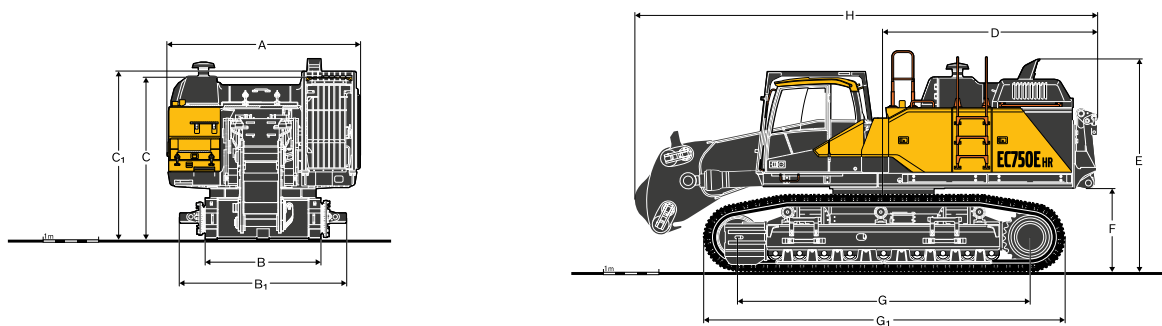
| Description                      | Unit |       | EC380EHR |       | EC480EHR |       | EC750EHR |        |
|----------------------------------|------|-------|----------|-------|----------|-------|----------|--------|
|                                  |      |       | mm       | ft in | mm       | ft in | mm       | ft in  |
| A Overall length                 | mm   | ft in | 3,730    | 12'3" | 4,465    | 14'8" | 5,383    | 17'8"  |
| B Overall height                 | mm   | ft in | 2,645    | 8'8"  | 2,500    | 8'2"  | 3,584    | 11'9"  |
| C Length of support cradle       | mm   | ft in | 2,690    | 8'10" | 4,740    | 15'7" | 3,776    | 12'5"  |
| D Width of support cradle        | mm   | ft in | 2,180    | 7'2"  | 2,180    | 7'2"  | 2,580    | 8'6"   |
| Weight, including support cradle | kg   | lb    | 3,869    | 8,530 | 3,845    | 8,477 | 6,867    | 15,140 |
| Weight without cradle            | kg   | lb    | 3,260    | 7,187 | 3,143    | 6,929 | 5,777    | 12,736 |



#### DIMENSIONS OF 3-PIECE DEMOLITION BOOM IN SUPPORT CRADLE

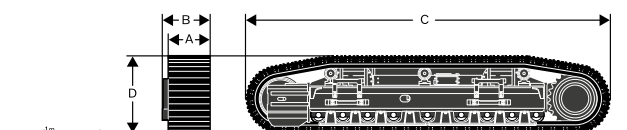
| Description                                                              | Unit |       | EC380EHR |        | EC480EHR |        | EC750EHR    |        |              |        |
|--------------------------------------------------------------------------|------|-------|----------|--------|----------|--------|-------------|--------|--------------|--------|
|                                                                          |      |       |          |        |          |        | 26m (85'4") |        | 36m (118'1") |        |
| A Overall length                                                         | mm   | ft in | 10,075   | 33'1"  | 13,380   | 43'11" | 11,082      | 36'4"  | 17,306       | 56'9"  |
| B Overall height                                                         | mm   | ft in | 3,012    | 9'11"  | 3,050    | 10'0"  | 3,569       | 11'9"  | 3,597        | 11'10" |
| C Length of support cradle                                               | mm   | ft in | 2,565    | 8'5"   | 2,585    | 8'6"   | 8,510       | 27'11" | 13,838       | 45'5"  |
| D Width of support cradle                                                | mm   | ft in | 2,080    | 6'10"  | 2,040    | 6'8"   | 2,416       | 7'11"  | 2,416        | 7'11"  |
| Weight of working equipment without attachment, including support cradle | kg   | lb    | 7,510    | 16,557 | 9,755    | 21,506 | 14,240      | 31,394 | 19,500       | 42,990 |
| Weight without cradle                                                    | kg   | lb    | 7,288    | 16,067 | 9,227    | 20,342 | 12,417      | 27,375 | 16,901       | 37,260 |

# Specifications



## DIMENSION OF BASE MACHINE, TRANSPORTATION MODE

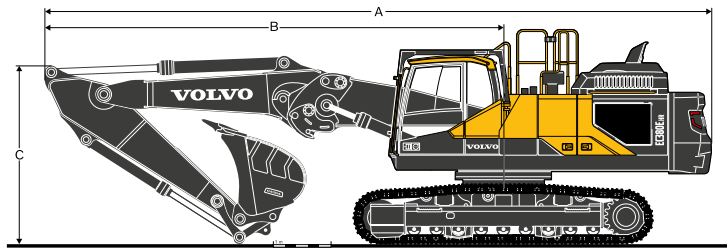
| Description                           | Unit |       | EC750EHR                                |        |
|---------------------------------------|------|-------|-----------------------------------------|--------|
|                                       |      |       | Hydraulically retractable Undercarriage |        |
|                                       |      |       |                                         |        |
| A. Overall width with Handrail on FOG | mm   | ft in | 3,498                                   | 11'6"  |
| B. Width lower frame center           | mm   | ft in | 2,095                                   | 6'10"  |
| B1. Overall width lower frame center  | mm   | ft in | 3,044                                   | 9'12"  |
| C. Overall height                     | mm   | ft in | 2,971                                   | 9'9"   |
| C1. Overall height (incl. FOG)        | mm   | ft in | 3,050                                   | 10'0"  |
| D. Swing radius center to CWT linkage | mm   | ft in | 3,867                                   | 12'8"  |
| E. Overall height of Diffuser         | mm   | ft in | 3,277                                   | 10'9"  |
| F. Minimum upper frame clearance      | mm   | ft in | 921                                     | 3'0"   |
| G. Length lower frame center          | mm   | ft in | 2,859                                   | 9'5"   |
| G. Overall length lower frame center  | mm   | ft in | 3,781                                   | 12'5"  |
| H. Overall length                     | mm   | ft in | 8,353                                   | 27'5"  |
| Base machine weight                   | kg   | lb    | 42,441                                  | 93,566 |



## DIMENSION OF BASE MACHINE, TRACK FRAME

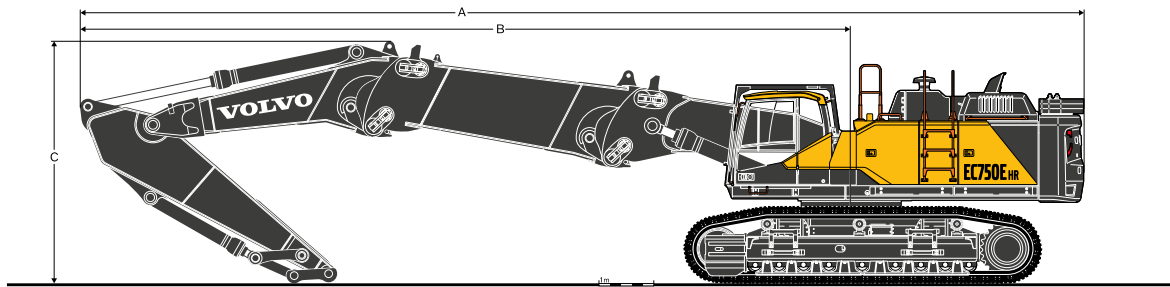
| Description                      | Unit |       | EC750EHR                                |        |
|----------------------------------|------|-------|-----------------------------------------|--------|
|                                  |      |       | Hydraulically retractable Undercarriage |        |
|                                  |      |       |                                         |        |
| A. Width track                   | mm   | ft in | 750                                     | 2'6"   |
| B. Overall width track and frame | mm   | ft in | 855                                     | 2'10"  |
| C. Length                        | mm   | ft in | 6,518                                   | 21'5"  |
| D. Height                        | mm   | ft in | 1,406                                   | 4'7"   |
| Total weight                     | kg   | lb    | 19,624                                  | 43,263 |





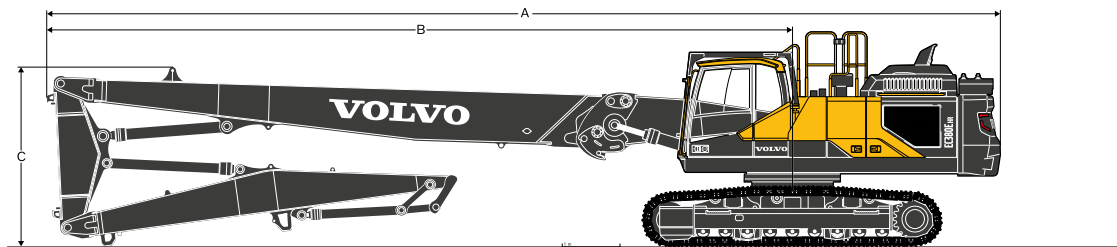
#### DIMENSIONS WITH DIGGING EQUIPMENT (POSITION FOR TRANSPORT)

| Boom<br>Arm                                    | Unit     | EC380EHR      |         |                |         | EC480EHR       |         |                |         | EC750EHR      |         |
|------------------------------------------------|----------|---------------|---------|----------------|---------|----------------|---------|----------------|---------|---------------|---------|
|                                                |          | Straight boom |         |                |         | Straight boom  |         |                |         | Straight boom |         |
|                                                |          | 3.2 m (10'6") |         | 3.9 m (12'10") |         | 3.35 m (11'0") |         | 3.9 m (12'10") |         | 4.2 m (13'9") |         |
| A Overall length                               | mm ft in | 11,555        | 37'11"  | 11,420         | 37'6"   | 12,735         | 41'9"   | 12,720         | 41'9"   | 13,899        | 45'7"   |
| B Swing centre to front of equipment           | mm ft in | 7,955         | 26'1"   | 7,820          | 25'8"   | 8,855          | 29'1"   | 8,835          | 29'0"   | 9,660         | 31'8"   |
| C Maximum height of boom in transport position | mm ft in | 3,085         | 10'1"   | 3,960          | 13'0"   | 3,510          | 11'6"   | 3,670          | 12'0"   | 4,243         | 13'11"  |
| Operating weight, excluding bucket             | kg lb    | 45,525        | 100,365 | 45,665         | 100,674 | 56,330         | 124,186 | 56,420         | 124,385 | 89,377        | 197,042 |



#### DIMENSIONS WITH DIGGING BOOM EXTENSION

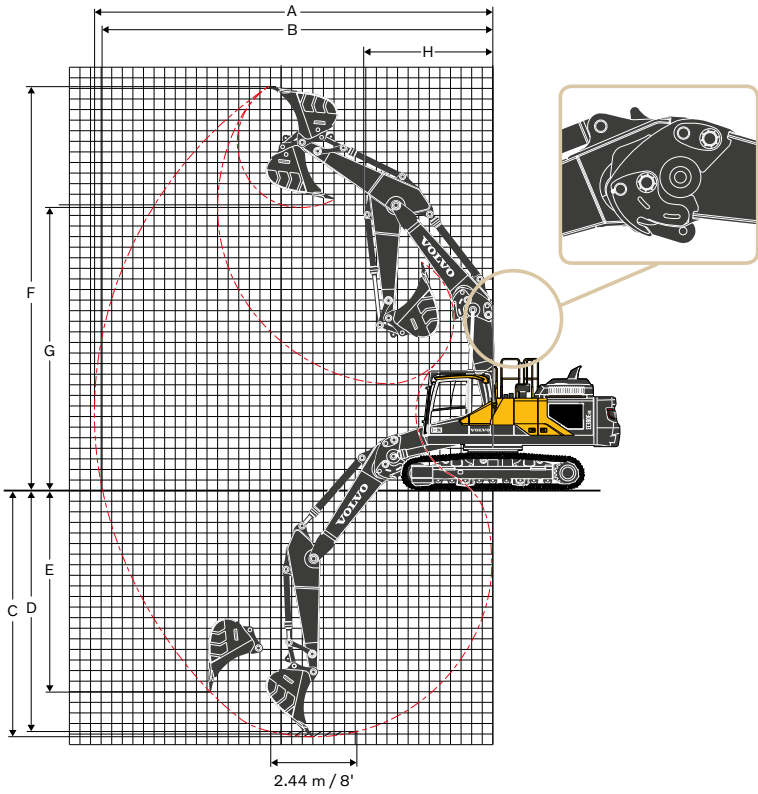
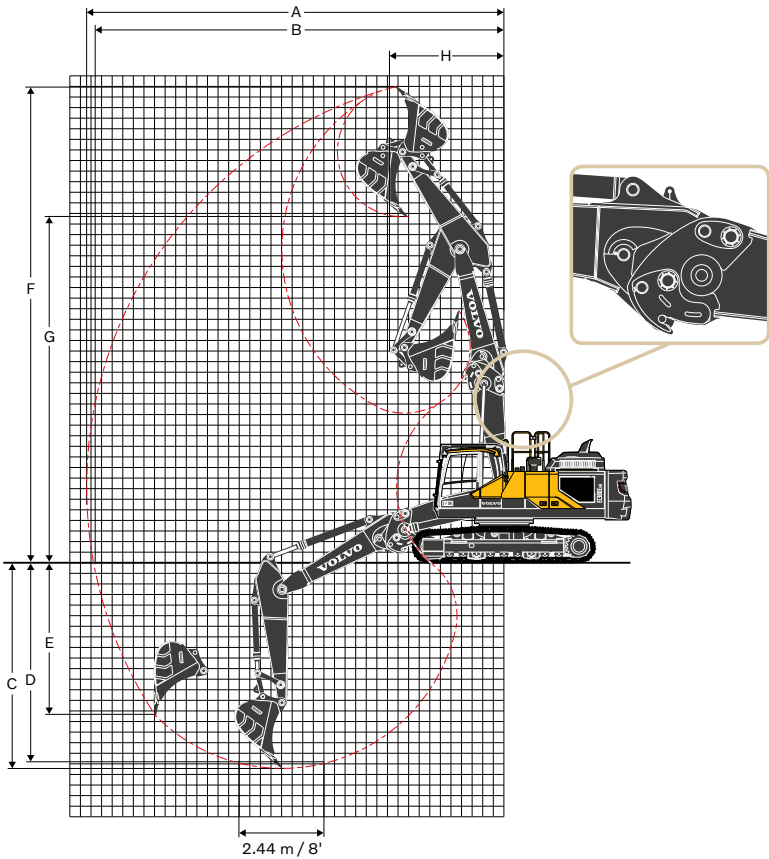
| Boom<br>Arm                                    | Unit     | EC380EHR                 |         |                |         | EC480EHR       |         |                |         | EC750EHR      |         |
|------------------------------------------------|----------|--------------------------|---------|----------------|---------|----------------|---------|----------------|---------|---------------|---------|
|                                                |          | Straight & Straight Boom |         |                |         | Straight Boom  |         |                |         | Straight Boom |         |
|                                                |          | 3.2 m (10'6")            |         | 3.9 m (12'10") |         | 3.35 m (11'0") |         | 3.9 m (12'10") |         | 4.2 m (13'9") |         |
| A Overall length                               | mm ft in | 14,580                   | 47'10"  | 14,520         | 47'8"   | 16,075         | 52'9"   | 16,070         | 52'9"   | 183,11        | 60'1"   |
| B Swing centre to front of equipment           | mm ft in | 10,980                   | 36'0"   | 10,920         | 35'10"  | 12,190         | 40'0"   | 12,190         | 40'0"   | 14,072        | 46'2"   |
| C Maximum height of boom in transport position | mm ft in | 3,300                    | 10'10"  | 3,720          | 12'2"   | 3,755          | 12'4"   | 3,840          | 12'7"   | 4,418         | 14'6"   |
| Operating weight, excluding tool , cradle      | kg lb    | 48,500                   | 106,924 | 48,640         | 107,233 | 59,875         | 132,002 | 59,945         | 132,156 | 99,340        | 219,007 |



#### DIMENSIONS WITH 3-PIECE DEMOLITION ATTACHMENT

|                                                | Unit     | EC380EHR |         | EC480EHR |         | EC750EHR    |         |              |         |
|------------------------------------------------|----------|----------|---------|----------|---------|-------------|---------|--------------|---------|
|                                                |          |          |         |          |         | 26m (85'4") |         | 36m (118'1") |         |
| A Overall length                               | mm ft in | 16,515   | 54'2"   | 20,045   | 65'9"   | 18,939      | 62'2"   | 25,156       | 82'6"   |
| B Swing centre to front of equipment           | mm ft in | 12,915   | 42'4"   | 16,165   | 53'0"   | 14,701      | 48'3"   | 20,918       | 68'8"   |
| C Maximum height of boom in transport position | mm ft in | 3,110    | 10'2"   | 3,095    | 10'2"   | 3,621       | 11'11"  | 3,489        | 11'5"   |
| Operating weight, excluding crusher            | kg lb    | 50,310   | 110,914 | 63,085   | 139,078 | 95,945      | 211,522 | 100,429      | 221,408 |

# Specifications



# WORKING RANGES WITH STRAIGHT BOOM

|                                       |    |       | EC380EHR      |        |                |        | EC480EHR       |        |                |        | EC750EHR      |        |
|---------------------------------------|----|-------|---------------|--------|----------------|--------|----------------|--------|----------------|--------|---------------|--------|
| Boom                                  |    |       | Straight boom |        |                |        | Straight boom  |        |                |        | Straight boom |        |
| Arm                                   |    |       | 3.2 m (10'6") |        | 3.9 m (12'10") |        | 3.35 m (11'0") |        | 3.9 m (12'10") |        | 4.2 m (13'9") |        |
| Bucket tip radius                     | mm | ft in | 1,846         | 6'1"   | 1,846          | 6'1"   | 1,960          | 6'5"   | 1,960          | 6'5"   | 2,190         | 7'2"   |
| A Maximum digging reach               | mm | ft in | 11,825        | 38'10" | 12,500         | 41'0"  | 12,815         | 42'1"  | 13,330         | 43'9"  | 14,567        | 47'10" |
| B Maximum digging reach on ground     | mm | ft in | 11,625        | 38'2"  | 12,310         | 40'5"  | 12,590         | 41'4"  | 13,115         | 43'0"  | 14,339        | 47'1"  |
| C Maximum digging depth               | mm | ft in | 5,800         | 19'0"  | 6,500          | 21'4"  | 6,470          | 21'3"  | 7,020          | 23'0"  | 6,861         | 22'6"  |
| D Maximum digging depth (2.4 m level) | mm | ft in | 5,650         | 18'6"  | 6,370          | 20'11" | 6,325          | 20'9"  | 6,890          | 22'7"  | 6,744         | 22'2"  |
| E Maximum vertical wall digging depth | mm | ft in | 4,300         | 14'1"  | 4,815          | 15'10" | 5,060          | 16'7"  | 5,520          | 18'1"  | 4,684         | 15'4"  |
| F Maximum cutting height              | mm | ft in | 13,495        | 44'3"  | 14,090         | 46'3"  | 13,905         | 45'7"  | 14,275         | 46'10" | 15,810        | 51'10" |
| G Maximum dumping height              | mm | ft in | 9,810         | 32'2"  | 10,410         | 34'2"  | 10,030         | 32'11" | 10,410         | 34'2"  | 11,465        | 37'7"  |
| H Minimum front swing radius          | mm | ft in | 3,250         | 10'8"  | 3,580          | 11'9"  | 3,970          | 13'0"  | 3,940          | 12'11" | 4,906         | 16'1"  |

# DIGGING FORCES WITH STRAIGHT BOOM

|                                                |    |       | EC380EHR      |               |                |               | EC480EHR       |               |                |               | EC750EHR      |               |
|------------------------------------------------|----|-------|---------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|---------------|---------------|
| Boom                                           |    |       | Straight boom |               |                |               | Straight boom  |               |                |               | Straight boom |               |
| Arm                                            |    |       | 3.2 m (10'6") |               | 3.9 m (12'10") |               | 3.35 m (11'0") |               | 3.9 m (12'10") |               | 4.2 m (13'9") |               |
| Bucket tip radius                              | mm | ft in | 1,846         | 6'1"          | 1,846          | 6'1"          | 1,960          | 6'5"          | 1,960          | 6'5"          | 2,190         | 7'2"          |
| Breakout force-bucket (Normal/Power boost) ISO | kN | lbf   | 201/219       | 45,187/49,233 | 201/219        | 45,187/49,233 | 243/265        | 54,629/59,574 | 243/265        | 54,629/59,574 | 304/317       | 68,342/71,264 |
| Tearout force-arm (Normal / Power boost) ISO   | kN | lbf   | 162/177       | 36,419/39,791 | 142/155        | 31,923/34,845 | 198/216        | 44,512/48,559 | 177/193        | 39,791/43,388 | 255/266       | 57,326/59,799 |
| Rotation angle, bucket                         | °  |       | 178           |               | 178            |               | 183            |               | 183            |               | 173.4         |               |

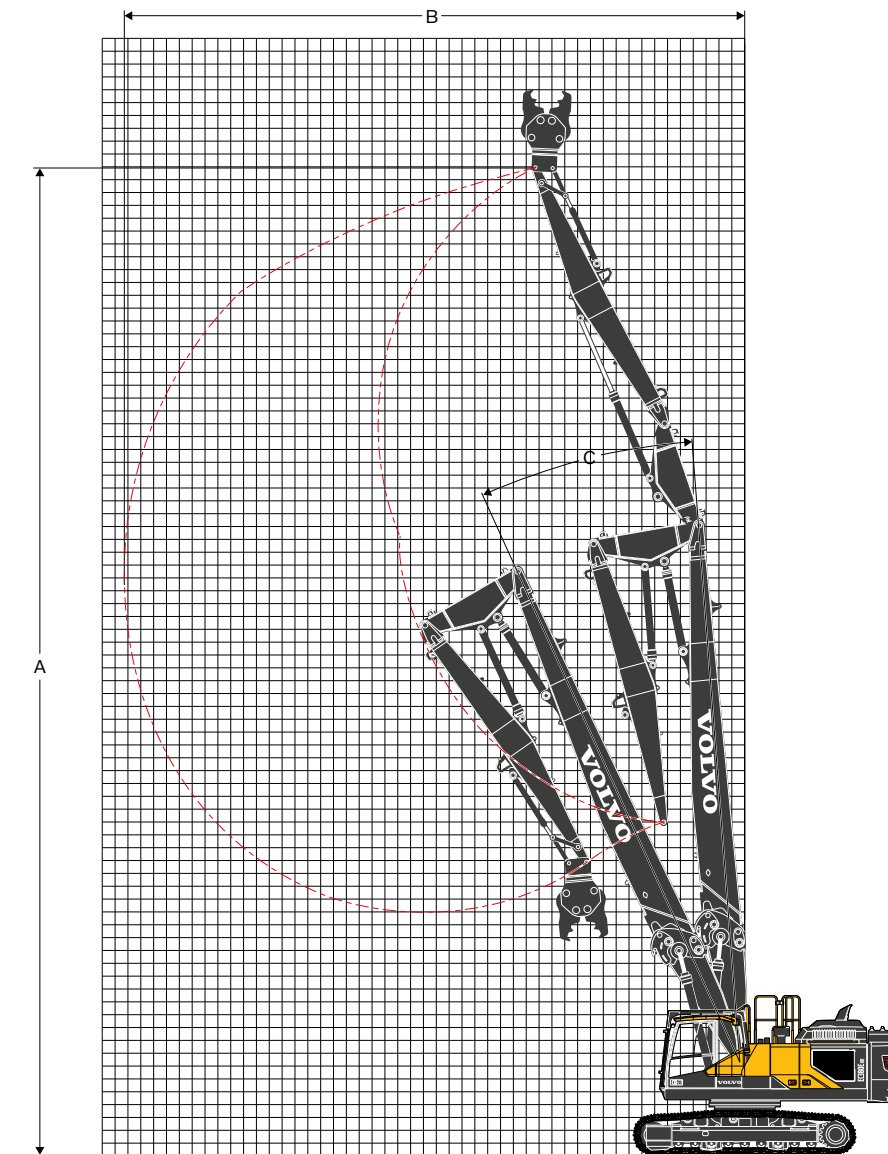
# WORKING RANGES WITH BENT BOOM

|                                       |    |       | EC380EHR      |        |                |        | EC480EHR       |        |                |       | EC750EHR      |        |
|---------------------------------------|----|-------|---------------|--------|----------------|--------|----------------|--------|----------------|-------|---------------|--------|
| Boom                                  |    |       | Bent boom     |        |                |        | Bent boom      |        |                |       | Bent boom     |        |
| Arm                                   |    |       | 3.2 m (10'6") |        | 3.9 m (12'10") |        | 3.35 m (11'0") |        | 3.9 m (12'10") |       | 4.2 m (13'9") |        |
| Bucket tip radius                     | mm | ft in | 1,846         | 6'1"   | 1,846          | 6'1"   | 1,960          | 6'5"   | 1,960          | 6'5"  | 2,190         | 7'2"   |
| A Maximum digging reach               | mm | ft in | 11,285        | 37'0"  | 11,935         | 39'2"  | 12,095         | 39'8"  | 12,585         | 41'3" | 13,697        | 44'11" |
| B Maximum digging reach on ground     | mm | ft in | 11,075        | 36'4"  | 11,735         | 38'6"  | 11,855         | 38'11" | 12,355         | 40'6" | 13,452        | 44'2"  |
| C Maximum digging depth               | mm | ft in | 7,010         | 23'0"  | 7,710          | 25'4"  | 7,730          | 25'4"  | 8,280          | 27'2" | 8,324         | 27'4"  |
| D Maximum digging depth (2.4 m level) | mm | ft in | 6,860         | 22'6"  | 7,575          | 24'10" | 7,585          | 24'11" | 8,150          | 26'9" | 8,207         | 26'11" |
| E Maximum vertical wall digging depth | mm | ft in | 5,740         | 18'10" | 6,340          | 20'10" | 5,530          | 18'2"  | 5,865          | 19'3" | 7,257         | 23'10" |
| F Maximum cutting height              | mm | ft in | 11,420        | 37'6"  | 11,790         | 38'8"  | 10,990         | 36'1"  | 11,135         | 36'6" | 12,520        | 41'1"  |
| G Maximum dumping height              | mm | ft in | 7,995         | 26'3"  | 8,375          | 27'6"  | 7,490          | 24'7"  | 7,655          | 25'1" | 8,558         | 28'1"  |
| H Minimum front swing radius          | mm | ft in | 3,660         | 12'0"  | 3,710          | 12'2"  | 5,065          | 16'7"  | 4,935          | 16'2" | 5,354         | 17'7"  |

# DIGGING FORCES WITH BENT BOOM

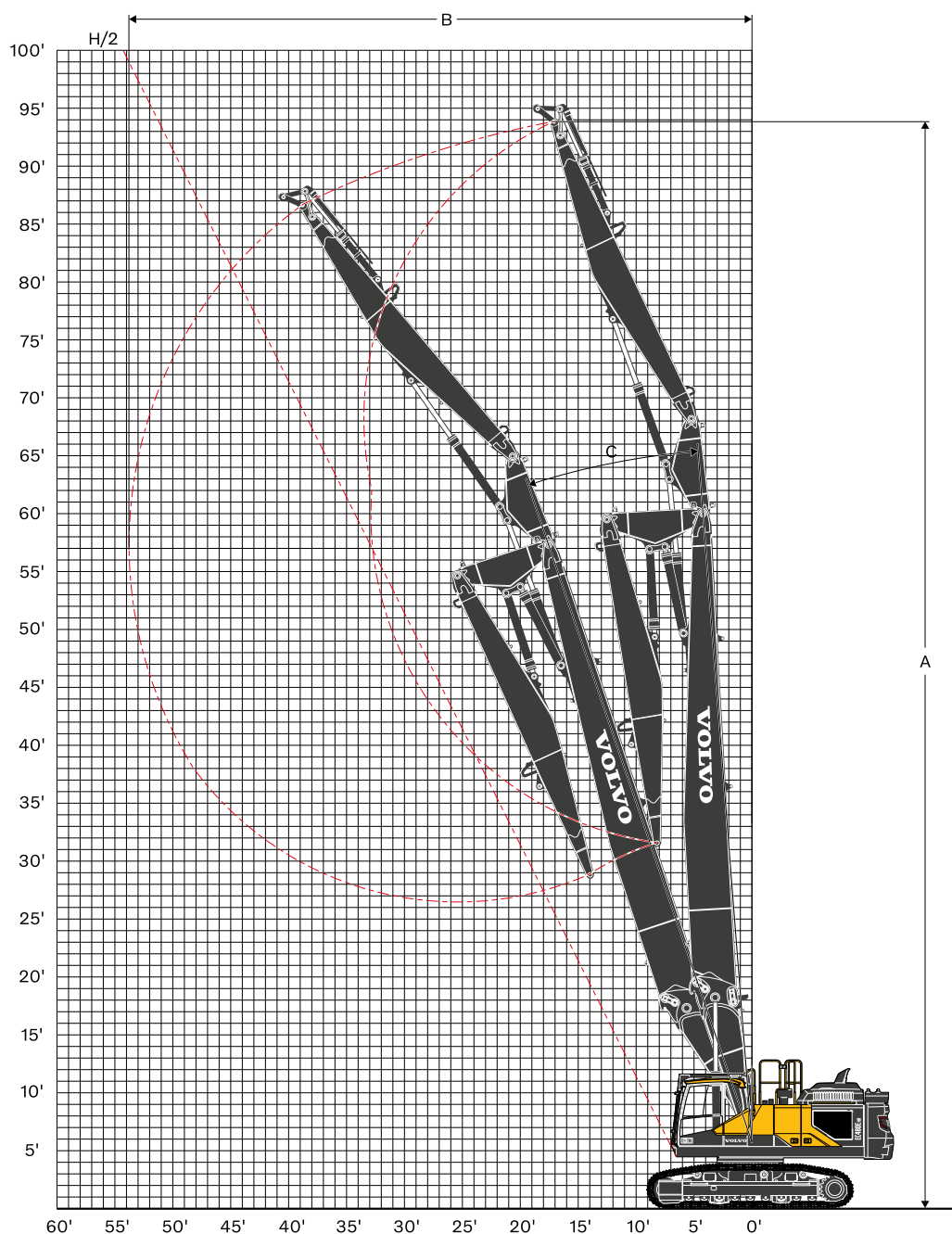
|                                                |    |       | EC380EHR      |               |                |               | EC480EHR       |               |                |               | EC750EHR      |               |
|------------------------------------------------|----|-------|---------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|---------------|---------------|
| Boom                                           |    |       | Bent boom     |               |                |               | Bent boom      |               |                |               | Bent boom     |               |
| Arm                                            |    |       | 3.2 m (10'6") |               | 3.9 m (12'10") |               | 3.35 m (11'0") |               | 3.9 m (12'10") |               | 4.2 m (13'9") |               |
| Bucket tip radius                              | mm | ft in | 1,846         | 6'1"          | 1,846          | 6'1"          | 1,960          | 6'5"          | 1,960          | 6'5"          | 2,190         | 7'2"          |
| Breakout force-bucket (Normal/Power boost) ISO | kN | lbf   | 201/219       | 45,187/49,233 | 201/219        | 45,187/49,233 | 243/265        | 54,629/59,574 | 243/265        | 54,629/59,574 | 304/317       | 68,342/71,264 |
| Tearout force-arm (Normal / Power boost) ISO   | kN | lbf   | 162/177       | 36,419/39,791 | 142/155        | 31,923/34,845 | 198/216        | 44,512/48,559 | 177/193        | 39,791/43,388 | 255/266       | 57,326/59,799 |
| Rotation angle, bucket                         | °  |       | 178           |               | 178            |               | 183            |               | 183            |               | 173.4         |               |

# Specifications



**WORKING RANGES AND MAX. TOOL WEIGHT (machines with 3-piece demolition boom)**

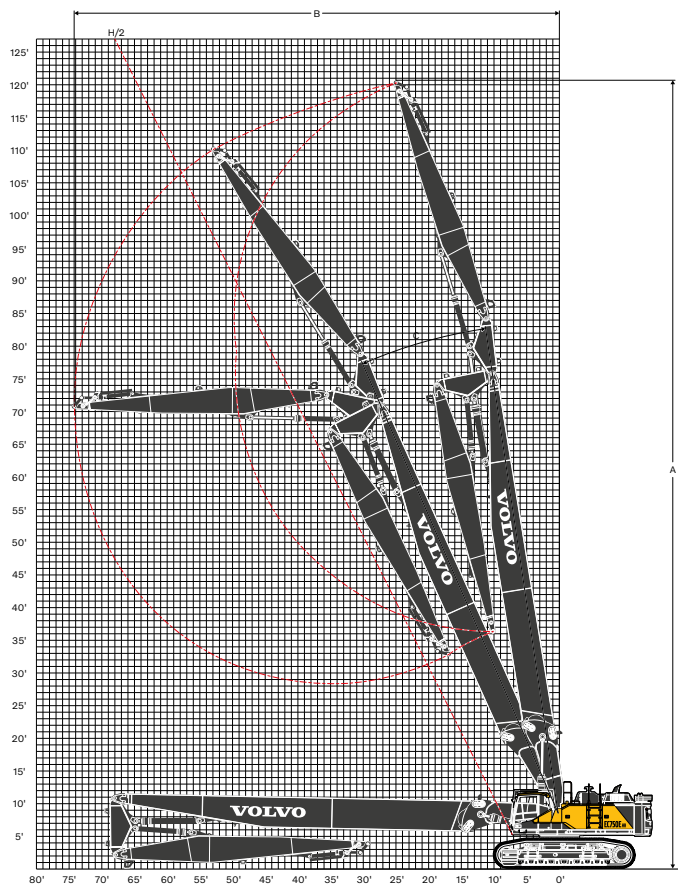
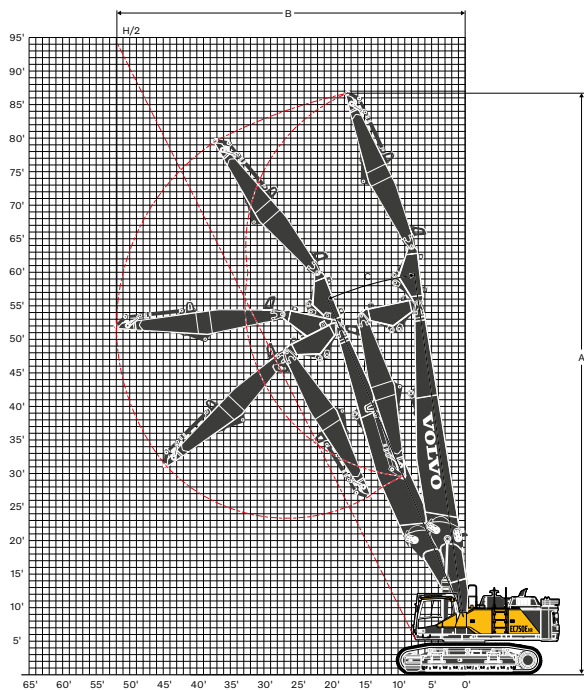
| Description          | Unit |       | EC380EHR             |       |                                         |        |
|----------------------|------|-------|----------------------|-------|-----------------------------------------|--------|
|                      |      |       | Undercarriage, fixed |       | Undercarriage hydraulically retractable |        |
| A Maximum pin height | mm   | ft in | 23,025               | 75'6" | 23,060                                  | 75'8"  |
| Pin height H/2       |      |       | 20,354               | 66'9" | 20,389                                  | 66'11" |
| B Maximum pin reach  | mm   | ft in | 14,490               | 47'6" | 14,490                                  | 47'6"  |
| Pin reach H/2        |      |       | 11,390               | 37'4" | 11,390                                  | 37'4"  |
| Maximum tool weight  | t    | lb    | 2.5                  | 5,512 | 3                                       | 6,614  |
| C Operating angle    |      | °     | 24.4                 |       | 24.4                                    |        |



**WORKING RANGES AND MAX. TOOL WEIGHT (machines with 3-piece demolition boom)**

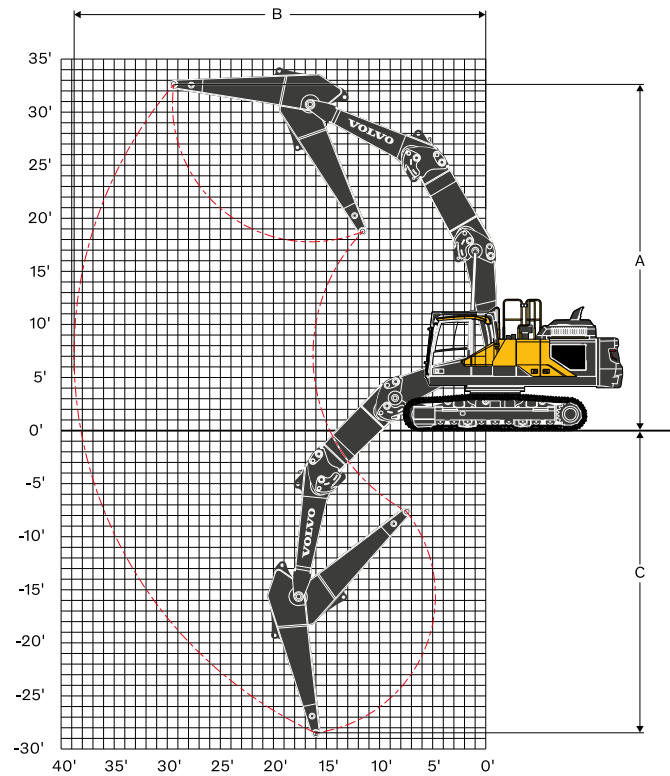
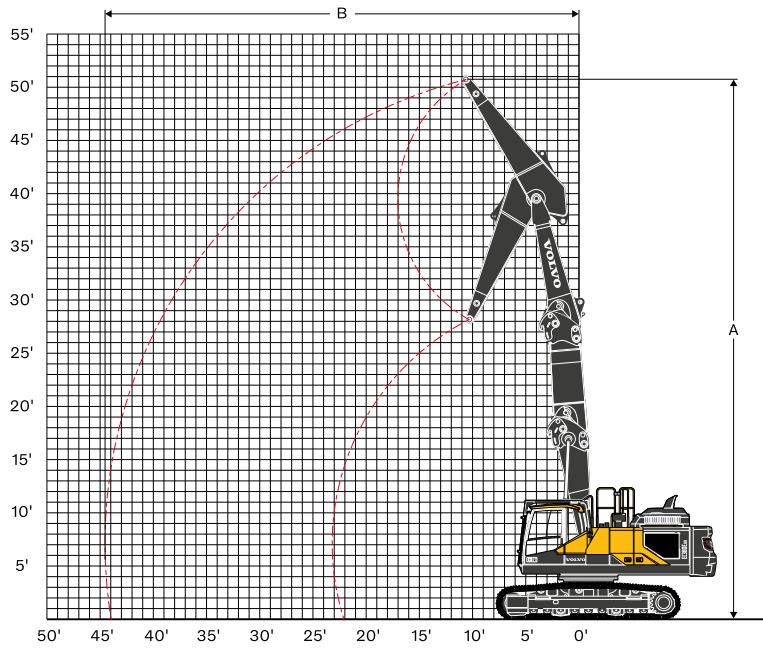
| Description          | Unit |       | EC480EHR             |       |                                        |       |                                         |       |
|----------------------|------|-------|----------------------|-------|----------------------------------------|-------|-----------------------------------------|-------|
|                      |      |       | Undercarriage, fixed |       | Undercarriage mechanically retractable |       | Undercarriage hydraulically retractable |       |
| A Maximum pin height | mm   | ft in | 28,030               | 92'0" | 28,140                                 | 92'4" | 28,140                                  | 92'4" |
| Pin height H/2       |      |       | 24,188               | 79'4" | 24,298                                 | 79'9" | 24,298                                  | 79'9" |
| B Maximum pin reach  | mm   | ft in | 16,090               | 52'9" | 16,090                                 | 52'9" | 16,090                                  | 52'9" |
| Pin reach H/2        |      |       | 13,419               | 44'0" | 13,419                                 | 44'0" | 13,419                                  | 44'0" |
| Maximum tool weight  | t    | lb    | 3                    | 6,614 | 3                                      | 6,614 | 3.5                                     | 7,716 |
| C Operating angle    |      | °     | 18.8                 |       | 18.8                                   |       | 18.8                                    |       |

# Specifications



## WORKING RANGES AND MAX. TOOL WEIGHT (machines with 3-piece demolition boom)

| Description |                     | Unit |       | EC750EHR                                |        |                                         |                 |
|-------------|---------------------|------|-------|-----------------------------------------|--------|-----------------------------------------|-----------------|
|             |                     |      |       | 26m (85'4")                             |        | 36m (118'1")                            |                 |
|             |                     |      |       | Undercarriage hydraulically retractable |        | Undercarriage hydraulically retractable |                 |
| A           | Maximum pin height  | mm   | ft in | 26,000                                  | 85'4"  | 36,000                                  | 118'1"          |
|             | Pin height H/2      |      |       | 22,600                                  | 74'2"  | 31,922 / 31,271*                        | 104'9" / 102'7" |
| B           | Maximum pin reach   | mm   | ft in | 15,589                                  | 51'2"  | 22,273 / 20,626*                        | 73'1" / 67'8"   |
|             | Pin reachH/2        |      |       | 12,672                                  | 41'7"  | 17,348 / 17,023*                        | 56'11" / 55'10" |
|             | Maximum tool weight | t    | lb    | 5                                       | 11,023 | 3.6                                     | 7,937           |
| C           | Operating angle     |      | °     | 24                                      |        | 24 / 19*                                |                 |
| *Across     |                     |      |       |                                         |        |                                         |                 |

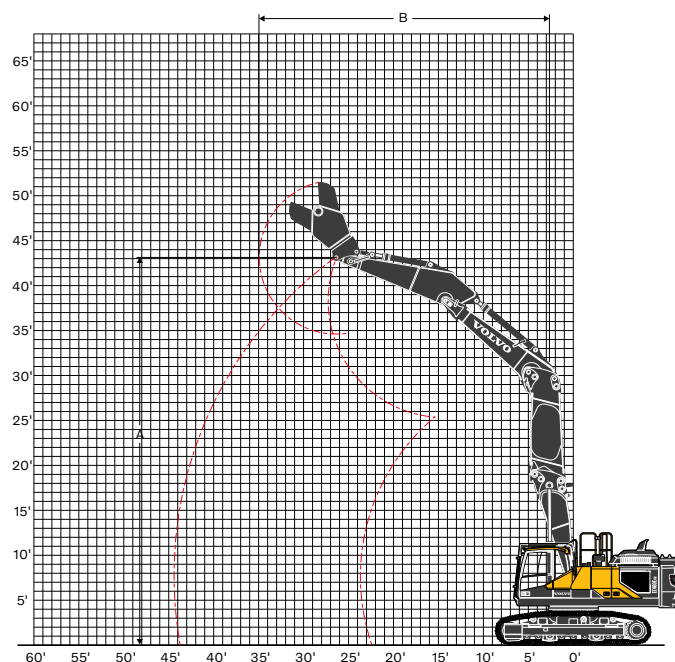
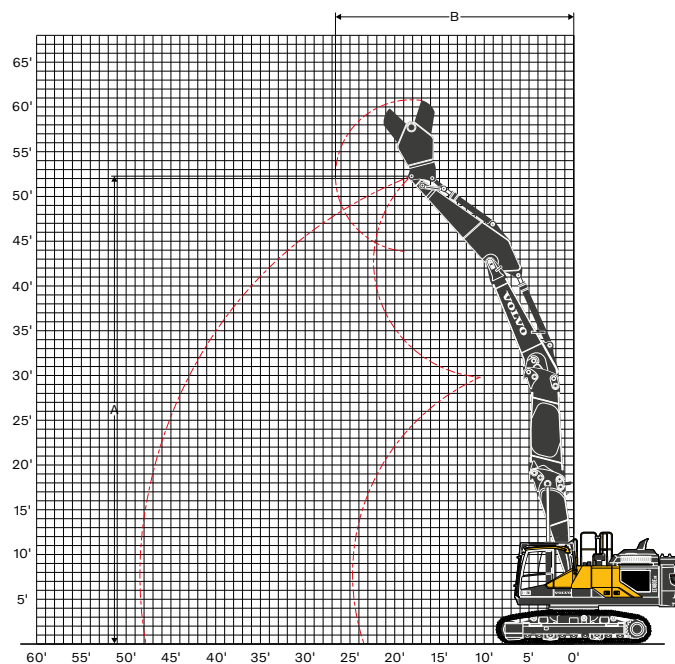


# **WORKING RANGES AND MAX. TOOL WEIGHT (machines with digging boom extension)**

## **EC380EHR**

| Boom                |                    |      |       | Straight & Straight Boom 9.8 m (32'2")   |       | Bent & Bent boom 8.7 m (28'7") |        |
|---------------------|--------------------|------|-------|------------------------------------------|-------|--------------------------------|--------|
| Arm                 |                    |      |       | 3.9 m (12'10") arm                       |       | 3.9 m (12'10") arm             |        |
| Description         |                    | Unit |       | Undercarriage, hydraulically retractable |       |                                |        |
| A                   | Maximum pin height | mm   | ft in | 15 245                                   | 50'0" | 9 810                          | 32'2"  |
| B                   | Maximum pin reach  | mm   | ft in | 13 620                                   | 44'8" | 11 885                         | 38'12" |
| Maximum tool weight |                    | t    | lb    | 4,3                                      | 9,480 | 5.6                            | 12,346 |
| C                   | Maximum pin depth  | mm   | ft in | N/A                                      |       | 8 518                          | 27'11" |

# Specifications

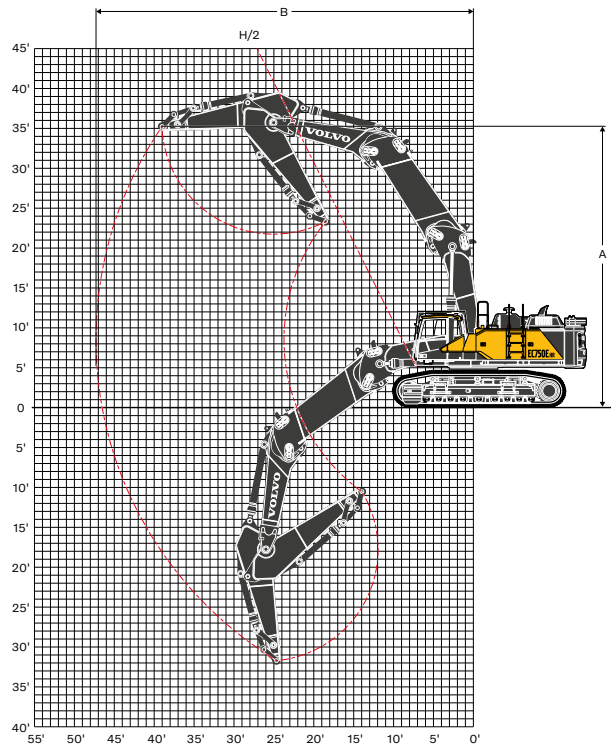
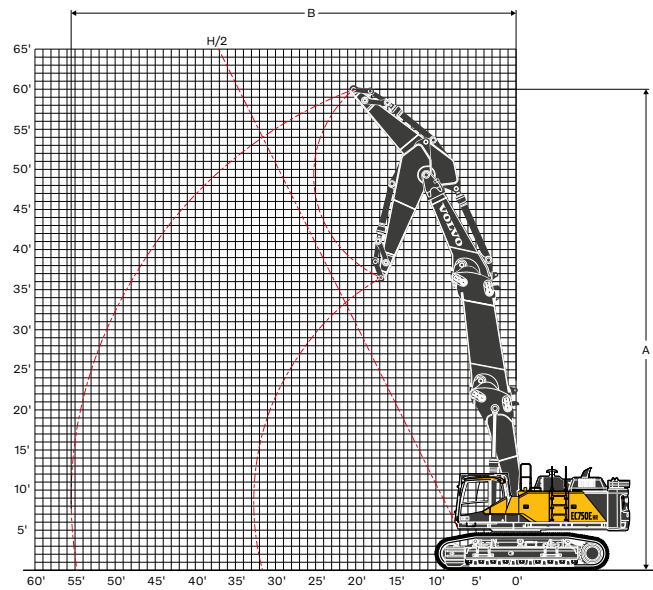


## WORKING RANGES AND MAX. TOOL WEIGHT (machines with digging boom extension)

### EC480EHR

| Boom                |                    |      |       | Straight Boom                            |        | Bent boom          |        |
|---------------------|--------------------|------|-------|------------------------------------------|--------|--------------------|--------|
| Arm                 |                    |      |       | 3.9 m (12'10") arm                       |        | 3.9 m (12'10") arm |        |
| Description         |                    | Unit |       | Undercarriage, hydraulically retractable |        |                    |        |
| A                   | Maximum pin height | mm   | ft in | 15775                                    | 51'9"  | 13025              | 42'9"  |
| B                   | Maximum pin reach  | mm   | ft in | 14560                                    | 47'9"  | 13330              | 43'9"  |
| Maximum tool weight |                    | t    | lb    | 4.7                                      | 10,362 | 5.7                | 12,566 |
| C                   | Maximum pin depth  | mm   | ft in | N/A                                      |        | 7 052              | 23'2"  |





**WORKING RANGES AND MAX. TOOL WEIGHT (machines with digging boom extension)**

**EC750EHR**

| Boom                |                    |      |       | Straight & Straight Boom                 |        | Bent & Bent boom  |        |
|---------------------|--------------------|------|-------|------------------------------------------|--------|-------------------|--------|
| Arm                 |                    |      |       | 4.2 m (13'9") arm                        |        | 4.2 m (13'9") arm |        |
| Description         |                    | Unit |       | Undercarriage, hydraulically retractable |        |                   |        |
| A                   | Maximum pin height | mm   | ft in | 15,083                                   | 49'6"  | 10,570            | 34'8"  |
| B                   | Maximum pin reach  | mm   | ft in | 15,314                                   | 50'3"  | 14,198            | 46'7"  |
| Maximum tool weight |                    | t    | lb    | 6.5                                      | 14,330 | 9.5               | 20,944 |
| C                   | Maximum pin depth  | mm   | ft in | N/A                                      |        | 9,509             | 31'2"  |

# Specifications

## LIFTING CAPACITY EC380EHR with hydraulically retractable undercarriage

At the arm end without bucket. For lifting capacity including bucket, simply subtract actual weight of the direct fit bucket or the bucket with quick fit from the following values.

| Without Boom extension                                                                 | Lifting hook related to ground level | 3.0 m, 10 ft |           | 4.5 m, 15 ft |           | 6.0 m, 20 ft |           | 7.5 m, 25 ft |           | 9.0 m, 30 ft |           | 10.5 m, 35 ft |           | 12.0 m, 40 ft |           | Max. reach |           |         |
|----------------------------------------------------------------------------------------|--------------------------------------|--------------|-----------|--------------|-----------|--------------|-----------|--------------|-----------|--------------|-----------|---------------|-----------|---------------|-----------|------------|-----------|---------|
|                                                                                        |                                      | Along UC     | Across UC | Along UC     | Across UC | Along UC     | Across UC | Along UC     | Across UC | Along UC     | Across UC | Along UC      | Across UC | Along UC      | Across UC | Along UC   | Across UC | Max.    |
| Bent boom<br>Arm<br>3.9 m (12'10")<br>Shoe<br>600 mm (24")<br>CWT<br>& no Add. CWT     | 9.0 m kg                             |              |           |              |           |              |           |              |           |              |           |               |           |               |           | *6,170     | *6,170    | 7.4 m   |
|                                                                                        | 30 ft lb                             |              |           |              |           |              |           |              |           |              |           |               |           |               |           | *13,603    | *13,603   | 24.3 ft |
|                                                                                        | 7.5 m kg                             |              |           |              |           |              |           |              |           | *9,030       | *9,030    |               |           |               |           | *5,730     | *5,730    | 8.6 m   |
|                                                                                        | 25 ft lb                             |              |           |              |           |              |           |              |           | *19,908      | *19,908   |               |           |               |           | *12,632    | *12,632   | 28.2 ft |
|                                                                                        | 6.0 m kg                             |              |           |              |           |              |           |              |           | *10,190      | *10,190   | *7,430        | *7,430    |               |           | *5,570     | *5,570    | 9.3 m   |
|                                                                                        | 20 ft lb                             |              |           |              |           |              |           |              |           | *22,465      | *22,465   | *16,380       | *16,380   |               |           | *12,280    | *12,280   | 30.5 ft |
|                                                                                        | 4.5 m kg                             |              |           |              |           | *15,310      | *15,310   | *12,560      | *12,560   | *10,990      | *10,990   | *9,560        | 9,010     |               |           | *5,580     | *5,580    | 9.8 m   |
|                                                                                        | 15 ft lb                             |              |           |              |           | *33,753      | *33,753   | *27,690      | *27,690   | *24,229      | *24,229   | *21,076       | 19,864    |               |           | *12,302    | *12,302   | 32.2 ft |
|                                                                                        | 3.0 m kg                             |              |           |              |           | *19,220      | *19,220   | *14,460      | *14,460   | *12,000      | 11,650    | *10,510       | 8,790     |               |           | *5,760     | *5,760    | 10.1 m  |
|                                                                                        | 10 ft lb                             |              |           |              |           | *42,373      | *42,373   | *31,879      | *31,879   | *26,455      | 25,684    | *23,171       | 19,379    |               |           | *12,699    | *12,699   | 33.1 ft |
|                                                                                        | 1.5 m kg                             |              |           |              |           | *22,270      | *22,270   | *16,150      | 15,640    | *12,930      | 11,220    | 10,680        | 8,560     |               |           | *6,110     | *6,110    | 10.1 m  |
|                                                                                        | 5 ft lb                              |              |           |              |           | *49,097      | *49,097   | *35,605      | 34,480    | *28,506      | 24,736    | 23,545        | 18,872    |               |           | *13,470    | *13,470   | 33.1 ft |
|                                                                                        | 0.0 m kg                             |              |           | *9,000       | *9,000    | *23,500      | *23,500   | *17,140      | 15,070    | *13,510      | 10,880    | 10,480        | 8,370     |               |           | *6,690     | *6,690    | 9.8 m   |
|                                                                                        | 0 ft lb                              |              |           | *19,842      | *19,842   | *51,809      | *51,809   | *37,787      | 33,224    | *29,784      | 23,986    | 23,104        | 18,453    |               |           | *14,749    | *14,749   | 32.2 ft |
|                                                                                        | -1.5 m kg                            | *9,270       | *9,270    | *13,970      | *13,970   | *23,110      | *23,110   | *17,210      | 14,780    | *13,510      | 10,690    | 10,390        | 8,290     |               |           | *7,640     | *7,640    | 9.4 m   |
|                                                                                        | -5 ft lb                             | *20,437      | *20,437   | *30,799      | *30,799   | *50,949      | *50,949   | *37,942      | 32,584    | *29,784      | 23,567    | 22,906        | 18,276    |               |           | *16,843    | *16,843   | 30.8 ft |
|                                                                                        | -3.0 m kg                            | *14,670      | *14,670   | *20,430      | *20,430   | *21,350      | *21,350   | *16,210      | 14,740    | *12,610      | 10,670    |               |           |               |           | *9,290     | 8,830     | 8.6 m   |
|                                                                                        | -10 ft lb                            | *32,342      | *32,342   | *45,040      | *45,040   | *47,069      | *47,069   | *35,737      | 32,496    | *27,800      | 23,523    |               |           |               |           | *20,481    | 19,467    | 28.2 ft |
|                                                                                        | -4.5 m kg                            |              |           | *23,940      | *23,940   | *17,970      | *17,970   | *13,720      | *13,720   | *9,850       | *9,850    |               |           |               |           | *9,800     | *9,800    | 7.5 m   |
|                                                                                        | -15 ft lb                            |              |           | *52,779      | *52,779   | *39,617      | *39,617   | *30,247      | *30,247   | *21,716      | *21,716   |               |           |               |           | *21,605    | *21,605   | 24.6 ft |
| Straight boom<br>Arm<br>3.9 m (12'10")<br>Shoe<br>600 mm (24")<br>CWT<br>& no Add. CWT | 10.5 m kg                            |              |           |              |           |              |           | *9,680       | *9,680    |              |           |               |           |               |           | *7,470     | *7,470    | 6.6 m   |
|                                                                                        | 35 ft lb                             |              |           |              |           |              |           | *21,341      | *21,341   |              |           |               |           |               |           | *16,469    | *16,469   | 21.7 ft |
|                                                                                        | 9.0 m kg                             |              |           |              |           |              |           | *9,630       | *9,630    | *9,020       | *9,020    |               |           |               |           | *6,410     | *6,410    | 8.2 m   |
|                                                                                        | 30 ft lb                             |              |           |              |           |              |           | *21,230      | *21,230   | *19,886      | *19,886   |               |           |               |           | *14,132    | *14,132   | 26.9 ft |
|                                                                                        | 7.5 m kg                             |              |           |              |           |              |           | *9,280       | *9,280    | *9,680       | *9,680    | *7,540        | *7,540    |               |           | *5,890     | *5,890    | 9.2 m   |
|                                                                                        | 25 ft lb                             |              |           |              |           |              |           | *20,459      | *20,459   | *21,341      | *21,341   | *16,623       | *16,623   |               |           | *12,985    | *12,985   | 30.2 ft |
|                                                                                        | 6.0 m kg                             |              |           |              |           | *8,790       | *8,790    | *9,980       | *9,980    | *10,400      | *10,400   | *9,520        | 8,960     |               |           | *5,640     | *5,640    | 10.0 m  |
|                                                                                        | 20 ft lb                             |              |           |              |           | *19,379      | *19,379   | *22,002      | *22,002   | *22,928      | *22,928   | *20,988       | 19,753    |               |           | *12,434    | *12,434   | 32.8 ft |
|                                                                                        | 4.5 m kg                             |              |           |              |           | *16,300      | *16,300   | *13,530      | *13,530   | *12,360      | 11,720    | *10,910       | 8,790     |               |           | *5,550     | *5,550    | 10.4 m  |
|                                                                                        | 15 ft lb                             |              |           |              |           | *35,935      | *35,935   | *29,829      | *29,829   | *27,249      | 25,838    | *24,052       | 19,379    |               |           | *12,236    | *12,236   | 34.1 ft |
|                                                                                        | 3.0 m kg                             |              |           |              |           |              |           | *16,530      | 15,840    | *13,270      | 11,290    | 10,680        | 8,570     | *7,160        | 6,740     | *5,630     | *5,630    | 10.6 m  |
|                                                                                        | 10 ft lb                             |              |           |              |           |              |           | *36,442      | 34,921    | *29,255      | 24,890    | 23,545        | 18,894    | *15,785       | 14,859    | *12,412    | *12,412   | 34.8 ft |
|                                                                                        | 1.5 m kg                             |              |           |              |           |              |           | *17,280      | 15,130    | *13,610      | 10,900    | 10,460        | 8,350     | *7,610        | 6,670     | *5,820     | *5,820    | 10.7 m  |
|                                                                                        | 5 ft lb                              |              |           |              |           |              |           | *38,096      | 33,356    | *30,005      | 24,030    | 23,060        | 18,409    | *16,777       | 14,705    | *12,831    | *12,831   | 35.1 ft |
|                                                                                        | 0.0 m kg                             |              |           |              |           | *15,390      | *15,390   | *17,060      | 14,680    | *13,410      | 10,620    | 10,300        | 8,200     |               |           | *6,180     | *6,180    | 10.5 m  |
|                                                                                        | 0 ft lb                              |              |           |              |           | *33,929      | *33,929   | *37,611      | 32,364    | *29,564      | 23,413    | 22,708        | 18,078    |               |           | *13,625    | *13,625   | 34.4 ft |
|                                                                                        | -1.5 m kg                            |              |           | *9,020       | *9,020    | *19,640      | *19,640   | *15,760      | 14,510    | *12,450      | 10,490    | *9,710        | 8,150     |               |           | *6,780     | *6,780    | 10.0 m  |
|                                                                                        | -5 ft lb                             |              |           | *19,886      | *19,886   | *43,299      | *43,299   | *34,745      | 31,989    | *27,448      | 23,126    | *21,407       | 17,968    |               |           | *14,947    | *14,947   | 32.8 ft |
|                                                                                        | -3.0 m kg                            |              |           |              |           | *16,350      | *16,350   | *13,300      | *13,300   | *10,450      | *10,450   | *7,330        | *7,330    |               |           | *6,230     | *6,230    | 9.3 m   |
|                                                                                        | -10 ft lb                            |              |           |              |           | *36,046      | *36,046   | *29,321      | *29,321   | *23,038      | *23,038   | *16,160       | *16,160   |               |           | *13,735    | *13,735   | 30.5 ft |
|                                                                                        | -4.5 m kg                            |              |           |              |           |              |           | *9,360       | *9,360    |              |           |               |           |               |           |            |           | 8.3 m   |
|                                                                                        | -15 ft lb                            |              |           |              |           |              |           | *20,635      | *20,635   |              |           |               |           |               |           |            |           | 27.2 ft |

Notes: 1. The above loads are in compliance with SAE and ISO Hydraulic Excavator Lift Capacity Standards. 2. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. 3. Rated loads marked with an asterisk (\*) are limited by hydraulic capacity rather than tipping load.

## LIFTING CAPACITY EC380EHR with hydraulically retractable undercarriage

At the arm end without bucket. For lifting capacity including bucket, simply subtract actual weight of the direct fit bucket or the bucket with quick fit from the following values.

| With Boom extension                                                                               | Lifting hook<br>related to<br>ground level                                                 | 3.0 m, 10 ft |              | 4.5 m, 15 ft |              | 6.0 m, 20 ft |              | 7.5 m, 25 ft |              | 9.0 m, 30 ft |              | 10.5 m, 35 ft |              | 12.0 m, 40 ft |              | Max. reach  |              |         |         |         |
|---------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|--------------|---------------|--------------|-------------|--------------|---------|---------|---------|
|                                                                                                   |                                                                                            | Along<br>UC  | Across<br>UC | Along<br>UC  | Across<br>UC | Along<br>UC  | Across<br>UC | Along<br>UC  | Across<br>UC | Along<br>UC  | Across<br>UC | Along<br>UC   | Across<br>UC | Along<br>UC   | Across<br>UC | Along<br>UC | Across<br>UC | Max.    |         |         |
| Straight & Straight<br>boom<br>Arm<br>3.9 m (12'10")<br>Shoe<br>600 mm (24")<br>CWT<br>& Add. CWT | 15.0 m                                                                                     | kg           |              |              |              |              |              |              |              |              |              |               |              |               |              |             | *10,650      | *10,650 | 4.4 m   |         |
|                                                                                                   | 50 ft                                                                                      | lb           |              |              |              |              |              |              |              |              |              |               |              |               |              |             | *23,479      | *23,479 | 14.4 ft |         |
|                                                                                                   | 13.5 m                                                                                     | kg           |              |              |              |              | *10,250      | *10,250      |              |              |              |               |              |               |              |             | *7,720       | *7,720  | 7.5 m   |         |
|                                                                                                   | 45 ft                                                                                      | lb           |              |              |              |              | *22,597      | *22,597      |              |              |              |               |              |               |              |             | *17,020      | *17,020 | 24.6 ft |         |
|                                                                                                   | 12.0 m                                                                                     | kg           |              |              |              |              | *9,530       | *9,530       | *9,610       | *9,610       | *8,220       | *8,220        |              |               |              |             | *6,660       | *6,660  | 9.4 m   |         |
|                                                                                                   | 40 ft                                                                                      | lb           |              |              |              |              | *21,010      | *21,010      | *21,186      | *21,186      | *18,122      | *18,122       |              |               |              |             | *14,683      | *14,683 | 30.8 ft |         |
|                                                                                                   | 10.5 m                                                                                     | kg           |              |              |              |              | *9,000       | *9,000       | *9,550       | *9,550       | *8,330       | *8,330        | *7,420       | *7,420        |              |             | *6,100       | *6,100  | 10.8 m  |         |
|                                                                                                   | 35 ft                                                                                      | lb           |              |              |              |              | *19,842      | *19,842      | *21,054      | *21,054      | *18,364      | *18,364       | *16,358      | *16,358       |              |             | *13,448      | *13,448 | 35.4 ft |         |
|                                                                                                   | 9.0 m                                                                                      | kg           |              |              | *8,410       | *8,410       | *9,430       | *9,430       | *9,810       | *9,810       | *8,400       | *8,400        | *7,380       | *7,380        |              |             | *5,790       | *5,790  | 11.8 m  |         |
|                                                                                                   | 30 ft                                                                                      | lb           |              |              | *18,541      | *18,541      | *20,790      | *20,790      | *21,627      | *21,627      | *18,519      | *18,519       | *16,270      | *16,270       |              |             | *12,765      | *12,765 | 38.7 ft |         |
|                                                                                                   | 7.5 m                                                                                      | kg           |              |              |              |              | *12,580      | *12,580      | *10,170      | *10,170      | *8,580       | *8,580        | *7,430       | *7,430        | *6,540       | 5,820       | *5,620       | 5,300   | 12.5 m  |         |
|                                                                                                   | 25 ft                                                                                      | lb           |              |              |              |              | *27,734      | *27,734      | *22,421      | *22,421      | *18,916      | *18,916       | *16,380      | *16,380       | *14,418      | 12,831      | *12,390      | 11,684  | 41.0 ft |         |
|                                                                                                   | 6.0 m                                                                                      | kg           |              |              |              |              |              |              | *10,600      | *10,600      | *8,800       | *8,800        | *7,520       | 7,180         | *6,530       | 5,700       | *5,560       | 4,820   | 13.1 m  |         |
|                                                                                                   | 20 ft                                                                                      | lb           |              |              |              |              |              |              | *23,369      | *23,369      | *19,401      | *19,401       | *16,579      | 15,829        | *14,396      | 12,566      | *12,258      | 10,626  | 43.0 ft |         |
|                                                                                                   | 4.5 m                                                                                      | kg           |              |              |              |              |              |              | *10,950      | *10,950      | *8,970       | 8,660         | *7,580       | 6,860         | *6,520       | 5,520       | *5,560       | 4,510   | 13.4 m  |         |
|                                                                                                   | 15 ft                                                                                      | lb           |              |              |              |              |              |              | *24,141      | *24,141      | *19,775      | 19,092        | *16,711      | 15,124        | *14,374      | 12,170      | *12,258      | 9,943   | 44.0 ft |         |
|                                                                                                   | 3.0 m                                                                                      | kg           |              |              |              |              |              |              | *11,000      | 10,430       | *9,000       | 8,160         | *7,560       | 6,550         | *6,430       | 5,340       | *5,250       | 4,340   | 13.6 m  |         |
|                                                                                                   | 10 ft                                                                                      | lb           |              |              |              |              |              |              | *24,251      | 22,994       | *19,842      | 17,990        | *16,667      | 14,440        | *14,176      | 11,773      | *11,574      | 9,568   | 44.6 ft |         |
|                                                                                                   | 1.5 m                                                                                      | kg           |              |              |              |              |              |              | *10,640      | 9,900        | *8,820       | 7,780         | *7,390       | 6,290         | *6,230       | 5,180       | *4,930       | 4,280   | 13.6 m  |         |
|                                                                                                   | 5 ft                                                                                       | lb           |              |              |              |              |              |              | *23,457      | 21,826       | *19,445      | 17,152        | *16,292      | 13,867        | *13,735      | 11,420      | *10,869      | 9,436   | 44.6 ft |         |
|                                                                                                   | 0.0 m                                                                                      | kg           |              |              |              |              |              |              | *9,890       | 9,660        | *8,370       | 7,540         | *7,040       | 6,110         | *5,870       | 5,070       | *4,560       | 4,330   | 13.4 m  |         |
|                                                                                                   | 0 ft                                                                                       | lb           |              |              |              |              |              |              | *21,804      | 21,297       | *18,453      | 16,623        | *15,521      | 13,470        | *12,941      | 11,177      | *10,053      | 9,546   | 44.0 ft |         |
|                                                                                                   | -1.5 m                                                                                     | kg           |              |              |              |              |              |              | *8,820       | *8,820       | *7,630       | 7,450         | *6,440       | 6,030         | *5,260       | 5,030       | *4,100       | *4,100  | 13.1 m  |         |
|                                                                                                   | -5 ft                                                                                      | lb           |              |              |              |              |              |              | *19,445      | *19,445      | *16,821      | 16,424        | *14,198      | 13,294        | *11,596      | 11,089      | *9,039       | *9,039  | 43.0 ft |         |
|                                                                                                   | -3.0 m                                                                                     | kg           |              |              |              |              | *7,520       | *7,520       | *7,450       | *7,450       | *6,580       | *6,580        | *5,530       | *5,530        | *4,270       | *4,270      | *3,500       | *3,500  | 12.6 m  |         |
|                                                                                                   | -10 ft                                                                                     | lb           |              |              |              |              | *16,579      | *16,579      | *16,424      | *16,424      | *14,506      | *14,506       | *12,192      | *12,192       | *9,414       | *9,414      | *7,716       | *7,716  | 41.3 ft |         |
|                                                                                                   | -4.5 m                                                                                     | kg           |              |              |              |              |              |              | *5,750       | *5,750       | *5,150       | *5,150        | *4,180       | *4,180        |              |             | *2,670       | *2,670  | 11.8 m  |         |
|                                                                                                   | -15 ft                                                                                     | lb           |              |              |              |              |              |              | *12,677      | *12,677      | *11,354      | *11,354       | *9,215       | *9,215        |              |             | *5,886       | *5,886  | 38.7 ft |         |
|                                                                                                   | Straight & Bent boom<br>Arm<br>3.9 m (12'10")<br>Shoe<br>600 mm (24")<br>CWT<br>& Add. CWT | 12.0 m       | kg           |              |              |              |              |              | *7,670       | *7,670       |              |               |              |               |              |             |              | *6,210  | *6,210  | 8.0 m   |
|                                                                                                   |                                                                                            | 40 ft        | lb           |              |              |              |              |              | *16,909      | *16,909      |              |               |              |               |              |             |              | *13,691 | *13,691 | 26.2 ft |
| 10.5 m                                                                                            |                                                                                            | kg           |              |              |              |              |              | *8,770       | *8,770       | *7,660       | *7,660       |               |              |               |              |             | *5,780       | *5,780  | 9.6 m   |         |
| 35 ft                                                                                             |                                                                                            | lb           |              |              |              |              |              | *19,335      | *19,335      | *16,887      | *16,887      |               |              |               |              |             | *12,743      | *12,743 | 31.5 ft |         |
| 9.0 m                                                                                             |                                                                                            | kg           |              |              |              |              |              | *8,960       | *8,960       | *7,870       | *7,870       | *6,600        | *6,600       |               |              |             | *5,600       | *5,600  | 10.7 m  |         |
| 30 ft                                                                                             |                                                                                            | lb           |              |              |              |              |              | *19,753      | *19,753      | *17,350      | *17,350      | *14,550       | *14,550      |               |              |             | *12,346      | *12,346 | 35.1 ft |         |
| 7.5 m                                                                                             |                                                                                            | kg           |              |              |              |              | *11,330      | *11,330      | *9,370       | *9,370       | *8,070       | *8,070        | *7,150       | *7,150        |              |             | *5,560       | *5,560  | 11.6 m  |         |
| 25 ft                                                                                             |                                                                                            | lb           |              |              |              |              | *24,978      | *24,978      | *20,657      | *20,657      | *17,791      | *17,791       | *15,763      | *15,763       |              |             | *12,258      | *12,258 | 38.1 ft |         |
| 6.0 m                                                                                             |                                                                                            | kg           |              |              |              |              | *12,410      | *12,410      | *9,930       | *9,930       | *8,370       | *8,370        | *7,290       | *7,290        | *6,450       | 5,910       | *5,630       | *5,630  | 12.1 m  |         |
| 20 ft                                                                                             |                                                                                            | lb           |              |              |              |              | *27,359      | *27,359      | *21,892      | *21,892      | *18,453      | *18,453       | *16,072      | *16,072       | *14,220      | 13,029      | *12,412      | *12,412 | 39.7 ft |         |
| 4.5 m                                                                                             |                                                                                            | kg           |              |              |              |              | *13,510      | *13,510      | *10,510      | *10,510      | *8,690       | *8,690        | *7,440       | 7,210         | *6,520       | 5,740       | *5,810       | 5,310   | 12.5 m  |         |
| 15 ft                                                                                             |                                                                                            | lb           |              |              |              |              | *29,784      | *29,784      | *23,171      | *23,171      | *19,158      | *19,158       | *16,402      | 15,895        | *14,374      | 12,655      | *12,809      | 11,707  | 41.0 ft |         |
| 3.0 m                                                                                             |                                                                                            | kg           |              |              |              |              | *12,030      | *12,030      | *10,920      | *10,920      | *8,930       | 8,630         | *7,560       | 6,870         | *6,530       | 5,550       | *6,090       | 5,020   | 12.7 m  |         |
| 10 ft                                                                                             |                                                                                            | lb           |              |              |              |              | *26,522      | *26,522      | *24,074      | *24,074      | *19,687      | 19,026        | *16,667      | 15,146        | *14,396      | 12,236      | *13,426      | 11,067  | 41.7 ft |         |
| 1.5 m                                                                                             |                                                                                            | kg           |              |              |              |              | *9,440       | *9,440       | *11,020      | 10,430       | *9,010       | 8,170         | *7,580       | 6,560         | *6,460       | 5,360       | *5,960       | 4,890   | 12.7 m  |         |
| 5 ft                                                                                              |                                                                                            | lb           |              |              |              |              | *20,812      | *20,812      | *24,295      | 22,994       | *19,864      | 18,012        | *16,711      | 14,462        | *14,242      | 11,817      | *13,140      | 10,781  | 41.7 ft |         |
| 0.0 m                                                                                             |                                                                                            | kg           |              |              |              |              | *11,220      | *11,220      | *10,750      | 10,020       | *8,870       | 7,840         | *7,440       | 6,330         | *6,250       | 5,220       | *5,810       | 4,890   | 12.5 m  |         |
| 0 ft                                                                                              |                                                                                            | lb           |              |              |              |              | *24,736      | *24,736      | *23,700      | 22,090       | *19,555      | 17,284        | *16,402      | 13,955        | *13,779      | 11,508      | *12,809      | 10,781  | 41.0 ft |         |
| -1.5 m                                                                                            |                                                                                            | kg           |              |              |              |              | *11,900      | *11,900      | *10,140      | 9,840        | *8,470       | 7,650         | *7,070       | 6,190         | *5,800       | 5,150       | *5,630       | 5,050   | 12.2 m  |         |
| -5 ft                                                                                             |                                                                                            | lb           |              |              |              |              | *26,235      | *26,235      | *22,355      | 21,693       | *18,673      | 16,865        | *15,587      | 13,647        | *12,787      | 11,354      | *12,412      | 11,133  | 40.0 ft |         |
| -3.0 m                                                                                            |                                                                                            | kg           |              |              | *10,570      | *10,570      | *10,550      | *10,550      | *9,180       | *9,180       | *7,740       | 7,600         | *6,410       | 6,160         |              |             | *5,350       | *5,350  | 11.6 m  |         |
| -10 ft                                                                                            |                                                                                            | lb           |              |              | *23,303      | *23,303      | *23,259      | *23,259      | *20,238      | *20,238      | *17,064      | 16,755        | *14,132      | 13,580        |              |             | *11,795      | *11,795 | 38.1 ft |         |
| -4.5 m                                                                                            | kg                                                                                         |              |              | *8,850       | *8,850       | *8,830       | *8,830       | *7,830       | *7,830       | *6,610       | *6,610       | *5,250        | *5,250       |               |              | *4,900      | *4,900       | 10.8 m  |         |         |
| -15 ft                                                                                            | lb                                                                                         |              |              | *19,511      | *19,511      | *19,467      | *19,467      | *17,262      | *17,262      | *14,573      | *14,573      | *11,574       | *11,574      |               |              | *10,803     | *10,803      | 35.4 ft |         |         |
| -6.0 m                                                                                            | kg                                                                                         |              |              |              |              | *6,560       | *6,560       | *5,930       | *5,930       | *4,840       | *4,840       |               |              |               |              | *4,100      | *4,100       | 9.7 m   |         |         |
| -20 ft                                                                                            | lb                                                                                         |              |              |              |              | *14,462      | *14,462      | *13,073      | *13,073      | *10,670      | *10,670      |               |              |               |              | *9,039      | *9,039       | 31.8 ft |         |         |

Notes: 1. The above loads are in compliance with SAE and ISO Hydraulic Excavator Lift Capacity Standards. 2. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. 3. Rated loads marked with an asterisk (\*) are limited by hydraulic capacity rather than tipping load.

# Specifications

## LIFTING CAPACITY EC380EHR with hydraulically retractable undercarriage

At the arm end without bucket. For lifting capacity including bucket, simply subtract actual weight of the direct fit bucket or the bucket with quick fit from the following values.

| With Boom extension                                                                  | Lifting hook related to ground level | 3.0 m, 10 ft |           | 4.5 m, 15 ft |           | 6.0 m, 20 ft |           | 7.5 m, 25 ft |           | 9.0 m, 30 ft |           | 10.5 m, 35 ft |           | 12.0 m, 40 ft |           | Max. reach |           |         |
|--------------------------------------------------------------------------------------|--------------------------------------|--------------|-----------|--------------|-----------|--------------|-----------|--------------|-----------|--------------|-----------|---------------|-----------|---------------|-----------|------------|-----------|---------|
|                                                                                      |                                      | Along UC     | Across UC | Along UC     | Across UC | Along UC     | Across UC | Along UC     | Across UC | Along UC     | Across UC | Along UC      | Across UC | Along UC      | Across UC | Along UC   | Across UC | Max.    |
| Bent & Straight boom<br>Arm 3.9 m (12'10")<br>Shoe 600 mm (24")<br>CWT<br>& Add. CWT | 12.0 m                               | kg           |           |              |           |              |           |              |           |              |           |               |           |               |           | *6,460     | *6,460    | 8.6 m   |
|                                                                                      | 40 ft                                | lb           |           |              |           |              |           |              |           |              |           |               |           |               |           | *14,242    | *14,242   | 28.2 ft |
|                                                                                      | 10.5 m                               | kg           |           |              |           |              |           |              |           | *6,650       | *6,650    |               |           |               |           | *5,940     | *5,940    | 10.1 m  |
|                                                                                      | 35 ft                                | lb           |           |              |           |              |           |              |           | *14,661      | *14,661   |               |           |               |           | *13,095    | *13,095   | 33.1 ft |
|                                                                                      | 9.0 m                                | kg           |           |              |           |              |           |              |           | *6,710       | *6,710    | *6,240        | *6,240    |               |           | *5,690     | *5,690    | 11.1 m  |
|                                                                                      | 30 ft                                | lb           |           |              |           |              |           |              |           | *14,793      | *14,793   | *13,757       | *13,757   |               |           | *12,544    | *12,544   | 36.4 ft |
|                                                                                      | 7.5 m                                | kg           |           |              |           |              |           | *7,950       | *7,950    | *6,980       | *6,980    | *6,330        | *6,330    |               |           | *5,570     | *5,570    | 11.9 m  |
|                                                                                      | 25 ft                                | lb           |           |              |           |              |           | *17,527      | *17,527   | *15,388      | *15,388   | *13,955       | *13,955   |               |           | *12,280    | *12,280   | 39.0 ft |
|                                                                                      | 6.0 m                                | kg           |           |              |           | *10,800      | *10,800   | *8,680       | *8,680    | *7,400       | *7,400    | *6,550        | *6,550    | *5,990        | 5,970     | *5,570     | 5,490     | 12.5 m  |
|                                                                                      | 20 ft                                | lb           |           |              |           | *23,810      | *23,810   | *19,136      | *19,136   | *16,314      | *16,314   | *14,440       | *14,440   | *13,206       | 13,162    | *12,280    | 12,103    | 41.0 ft |
|                                                                                      | 4.5 m                                | kg           |           |              |           |              |           | *9,490       | *9,490    | *7,870       | *7,870    | *6,830        | *6,830    | *6,110        | 5,800     | *5,660     | 5,080     | 12.9 m  |
|                                                                                      | 15 ft                                | lb           |           |              |           |              |           | *20,922      | *20,922   | *17,350      | *17,350   | *15,058       | *15,058   | *13,470       | 12,787    | *12,478    | 11,199    | 42.3 ft |
|                                                                                      | 3.0 m                                | kg           |           |              |           |              |           | *10,210      | *10,210   | *8,320       | *8,320    | *7,100        | 6,910     | *6,250        | 5,600     | *5,790     | 4,840     | 13.0 m  |
|                                                                                      | 10 ft                                | lb           |           |              |           |              |           | *22,509      | *22,509   | *18,342      | *18,342   | *15,653       | 15,234    | *13,779       | 12,346    | *12,765    | 10,670    | 42.7 ft |
|                                                                                      | 1.5 m                                | kg           |           |              |           |              |           | *10,670      | 10,470    | *8,660       | 8,210     | *7,320        | 6,610     | *6,360        | 5,410     | *5,790     | 4,730     | 13.1 m  |
|                                                                                      | 5 ft                                 | lb           |           |              |           |              |           | *23,523      | 23,082    | *19,092      | 18,100    | *16,138       | 14,573    | *14,021       | 11,927    | *12,765    | 10,428    | 43.0 ft |
|                                                                                      | 0.0 m                                | kg           |           |              |           |              |           | *10,800      | 10,090    | *8,810       | 7,890     | *7,420        | 6,390     | *6,370        | 5,270     | *5,800     | 4,750     | 12.9 m  |
|                                                                                      | 0 ft                                 | lb           |           |              |           |              |           | *23,810      | 22,245    | *19,423      | 17,394    | *16,358       | 14,088    | *14,043       | 11,618    | *12,787    | 10,472    | 42.3 ft |
|                                                                                      | -1.5 m                               | kg           |           |              |           | *11,860      | *11,860   | *10,620      | 9,920     | *8,750       | 7,720     | *7,350        | 6,250     | *6,220        | 5,200     | *5,800     | 4,900     | 12.5 m  |
|                                                                                      | -5 ft                                | lb           |           |              |           | *26,147      | *26,147   | *23,413      | 21,870    | *19,290      | 17,020    | *16,204       | 13,779    | *13,713       | 11,464    | *12,787    | 10,803    | 41.0 ft |
|                                                                                      | -3.0 m                               | kg           |           | *9,690       | *9,690    | *12,190      | *12,190   | *10,140      | 9,910     | *8,430       | 7,670     | *7,050        | 6,220     |               |           | *5,760     | 5,240     | 12.0 m  |
|                                                                                      | -10 ft                               | lb           |           | *21,363      | *21,363   | *26,874      | *26,874   | *22,355      | 21,848    | *18,585      | 16,909    | *15,543       | 13,713    |               |           | *12,699    | 11,552    | 39.4 ft |
|                                                                                      | -4.5 m                               | kg           |           | *12,670      | *12,670   | *11,060      | *11,060   | *9,320       | *9,320    | *7,780       | 7,750     | *6,390        | 6,310     |               |           | *5,630     | *5,630    | 11.2 m  |
|                                                                                      | -15 ft                               | lb           |           | *27,933      | *27,933   | *24,383      | *24,383   | *20,547      | *20,547   | *17,152      | 17,086    | *14,088       | 13,911    |               |           | *12,412    | *12,412   | 36.7 ft |
|                                                                                      | -6.0 m                               | kg           |           | *10,710      | *10,710   | *9,460       | *9,460    | *8,040       | *8,040    | *6,620       | *6,620    |               |           |               |           | *5,330     | *5,330    | 10.2 m  |
|                                                                                      | -20 ft                               | lb           |           | *23,611      | *23,611   | *20,856      | *20,856   | *17,725      | *17,725   | *14,595      | *14,595   |               |           |               |           | *11,751    | *11,751   | 33.5 ft |
|                                                                                      | -7.5 m                               | kg           |           |              |           | *7,120       | *7,120    | *5,970       | *5,970    |              |           |               |           |               |           | *4,610     | *4,610    | 8.7 m   |
|                                                                                      | -25 ft                               | lb           |           |              |           | *15,697      | *15,697   | *13,162      | *13,162   |              |           |               |           |               |           | *10,163    | *10,163   | 28.5 ft |
| Bent & Bent boom<br>Arm 3.9 m (12'10")<br>Shoe 600 mm (24")<br>CWT<br>& Add. CWT     | 9.0 m                                | kg           |           |              |           |              |           |              |           |              |           |               |           |               |           | *5,570     | *5,570    | 9.7 m   |
|                                                                                      | 30 ft                                | lb           |           |              |           |              |           |              |           |              |           |               |           |               |           | *12,280    | *12,280   | 31.8 ft |
|                                                                                      | 7.5 m                                | kg           |           |              |           |              |           |              |           | *6,080       | *6,080    | *5,820        | *5,820    |               |           | *5,580     | *5,580    | 10.6 m  |
|                                                                                      | 25 ft                                | lb           |           |              |           |              |           |              |           | *13,404      | *13,404   | *12,831       | *12,831   |               |           | *12,302    | *12,302   | 34.8 ft |
|                                                                                      | 6.0 m                                | kg           |           |              |           |              |           | *7,350       | *7,350    | *6,520       | *6,520    | *6,020        | *6,020    |               |           | *5,710     | *5,710    | 11.3 m  |
|                                                                                      | 20 ft                                | lb           |           |              |           |              |           | *16,204      | *16,204   | *14,374      | *14,374   | *13,272       | *13,272   |               |           | *12,588    | *12,588   | 37.1 ft |
|                                                                                      | 4.5 m                                | kg           |           |              |           | *10,480      | *10,480   | *8,300       | *8,300    | *7,080       | *7,080    | *6,340        | *6,340    |               |           | *5,970     | *5,970    | 11.7 m  |
|                                                                                      | 15 ft                                | lb           |           |              |           | *23,104      | *23,104   | *18,298      | *18,298   | *15,609      | *15,609   | *13,977       | *13,977   |               |           | *13,162    | *13,162   | 38.4 ft |
|                                                                                      | 3.0 m                                | kg           |           |              |           | *12,180      | *12,180   | *9,280       | *9,280    | *7,690       | *7,690    | *6,720        | *6,720    |               |           | *6,170     | 5,940     | 11.9 m  |
|                                                                                      | 10 ft                                | lb           |           |              |           | *26,852      | *26,852   | *20,459      | *20,459   | *16,954      | *16,954   | *14,815       | *14,815   |               |           | *13,603    | 13,095    | 39.0 ft |
|                                                                                      | 1.5 m                                | kg           |           |              |           | *13,380      | *13,380   | *10,120      | *10,120   | *8,250       | *8,250    | *7,090        | 6,960     |               |           | *6,380     | 5,730     | 11.9 m  |
|                                                                                      | 5 ft                                 | lb           |           |              |           | *29,498      | *29,498   | *22,311      | *22,311   | *18,188      | *18,188   | *15,631       | 15,344    |               |           | *14,065    | 12,632    | 39.0 ft |
|                                                                                      | 0.0 m                                | kg           |           |              |           | *13,940      | *13,940   | *10,690      | 10,670    | *8,690       | 8,320     | *7,380        | 6,690     |               |           | *6,650     | 5,700     | 11.7 m  |
|                                                                                      | 0 ft                                 | lb           |           |              |           | *30,732      | *30,732   | *23,567      | 23,523    | *19,158      | 18,342    | *16,270       | 14,749    |               |           | *14,661    | 12,566    | 38.4 ft |
|                                                                                      | -1.5 m                               | kg           |           | *11,730      | *11,730   | *14,030      | *14,030   | *10,960      | 10,340    | *8,940       | 8,050     | *7,540        | 6,500     |               |           | *6,960     | 5,860     | 11.3 m  |
|                                                                                      | -5 ft                                | lb           |           | *25,860      | *25,860   | *30,931      | *30,931   | *24,163      | 22,796    | *19,709      | 17,747    | *16,623       | 14,330    |               |           | *15,344    | 12,919    | 37.1 ft |
|                                                                                      | -3.0 m                               | kg           | *12,330   | *12,330      | *16,500   | *16,500      | *13,760   | *13,760      | *10,930   | 10,200       | *8,950    | 7,920         | *7,490    | 6,420         |           | *7,320     | 6,270     | 10.7 m  |
|                                                                                      | -10 ft                               | lb           | *27,183   | *27,183      | *36,376   | *36,376      | *30,336   | *30,336      | *24,096   | 22,487       | *19,731   | 17,461        | *16,513   | 14,154        |           | *16,138    | 13,823    | 35.1 ft |
|                                                                                      | -4.5 m                               | kg           | *16,830   | *16,830      | *16,720   | *16,720      | *13,120   | *13,120      | *10,540   | 10,240       | *8,620    | 7,940         |           |               |           | *7,750     | 7,090     | 9.8 m   |
|                                                                                      | -15 ft                               | lb           | *37,104   | *37,104      | *36,861   | *36,861      | *28,925   | *28,925      | *23,237   | 22,575       | *19,004   | 17,505        |           |               |           | *17,086    | 15,631    | 32.2 ft |
|                                                                                      | -6.0 m                               | kg           | *19,630   | *19,630      | *15,040   | *15,040      | *11,950   | *11,950      | *9,630    | *9,630       |           |               |           |               |           | *8,210     | *8,210    | 8.6 m   |
|                                                                                      | -20 ft                               | lb           | *43,277   | *43,277      | *33,157   | *33,157      | *26,345   | *26,345      | *21,230   | *21,230      |           |               |           |               |           | *18,100    | *18,100   | 28.2 ft |
|                                                                                      | -7.5 m                               | kg           | *15,710   | *15,710      | *12,340   | *12,340      | *9,840    | *9,840       |           |              |           |               |           |               |           | *8,640     | *8,640    | 6.8 m   |
|                                                                                      | -25 ft                               | lb           | *34,635   | *34,635      | *27,205   | *27,205      | *21,693   | *21,693      |           |              |           |               |           |               |           | *19,048    | *19,048   | 22.3 ft |

Notes: 1. The above loads are in compliance with SAE and ISO Hydraulic Excavator Lift Capacity Standards. 2. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. 3. Rated loads marked with an asterisk (\*) are limited by hydraulic capacity rather than tipping load.

# LIFTING CAPACITY EC480EHR with hydraulically retractable undercarriage

At the arm end without bucket. For lifting capacity including bucket, simply subtract actual weight of the direct fit bucket or the bucket with quick fit from the following values.

| Without Boom extension                                                                 | Lifting hook related to ground level | 3.0 m, 10 ft |           | 4.5 m, 15 ft |           | 6.0 m, 20 ft |           | 7.5 m, 25 ft |           | 9.0 m, 30 ft |           | 10.5 m, 35 ft |           | 12.0 m, 40 ft |           | Max. reach |           |         |         |
|----------------------------------------------------------------------------------------|--------------------------------------|--------------|-----------|--------------|-----------|--------------|-----------|--------------|-----------|--------------|-----------|---------------|-----------|---------------|-----------|------------|-----------|---------|---------|
|                                                                                        |                                      | Along UC     | Across UC | Along UC     | Across UC | Along UC     | Across UC | Along UC     | Across UC | Along UC     | Across UC | Along UC      | Across UC | Along UC      | Across UC | Along UC   | Across UC | Max.    |         |
| Bent boom<br>Arm<br>3.9 m (12'10")<br>Shoe<br>600 mm (24")<br>CWT<br>& no Add. CWT     | 9.0 m                                | kg           |           |              |           |              |           |              |           |              |           |               |           |               |           |            | *7,870    | *7,870  | 8.3 m   |
|                                                                                        | 30 ft                                | lb           |           |              |           |              |           |              |           |              |           |               |           |               |           |            | *17,350   | *17,350 | 27.2 ft |
|                                                                                        | 7.5 m                                | kg           |           |              |           |              |           |              |           |              |           | *9,310        | *9,310    |               |           |            | *7,520    | *7,520  | 9.3 m   |
|                                                                                        | 25 ft                                | lb           |           |              |           |              |           |              |           |              |           | *20,525       | *20,525   |               |           |            | *16,579   | *16,579 | 30.5 ft |
|                                                                                        | 6.0 m                                | kg           |           |              |           |              |           |              |           | *11,820      | *11,820   | *11,240       | *11,240   |               |           |            | *7,430    | *7,430  | 10.0 m  |
|                                                                                        | 20 ft                                | lb           |           |              |           |              |           |              |           | *26,059      | *26,059   | *24,780       | *24,780   |               |           |            | *16,380   | *16,380 | 32.8 ft |
|                                                                                        | 4.5 m                                | kg           |           |              |           |              |           |              | *15,320   | *15,320      | *13,160   | *13,160       | *11,920   | 11,470        |           |            | *7,540    | *7,540  | 10.4 m  |
|                                                                                        | 15 ft                                | lb           |           |              |           |              |           |              | *33,775   | *33,775      | *29,013   | *29,013       | *26,279   | 25,287        |           |            | *16,623   | *16,623 | 34.1 ft |
|                                                                                        | 3.0 m                                | kg           |           |              |           |              | *25,080   | *25,080      | *18,080   | *18,080      | *14,700   | 14,620        | *12,790   | 11,100        | *8,940    | 8,720      | *7,850    | *7,850  | 10.6 m  |
|                                                                                        | 10 ft                                | lb           |           |              |           |              | *55,292   | *55,292      | *39,860   | *39,860      | *32,408   | 32,232        | *28,197   | 24,471        | *19,709   | 19,224     | *17,306   | *17,306 | 34.8 ft |
|                                                                                        | 1.5 m                                | kg           |           |              |           |              | *21,910   | *21,910      | *20,420   | 19,380       | *16,120   | 14,010        | *13,630   | 10,750        | *9,400    | 8,540      | *8,370    | *8,370  | 10.6 m  |
|                                                                                        | 5 ft                                 | lb           |           |              |           |              | *48,303   | *48,303      | *45,018   | 42,726       | *35,538   | 30,887        | *30,049   | 23,700        | *20,723   | 18,827     | *18,453   | *18,453 | 34.8 ft |
|                                                                                        | 0.0 m                                | kg           |           |              | *8,450    | *8,450       | *22,190   | *22,190      | *21,870   | 18,690       | *17,140   | 13,560        | 13,560    | 10,480        |           |            | *9,210    | 8,590   | 10.3 m  |
|                                                                                        | 0 ft                                 | lb           |           |              | *18,629   | *18,629      | *48,921   | *48,921      | *48,215   | 41,204       | *37,787   | 29,895        | 29,895    | 23,104        |           |            | *20,305   | 18,938  | 33.8 ft |
|                                                                                        | -1.5 m                               | kg           | *10,980   | *10,980      | *15,030   | *15,030      | *27,700   | *27,700      | *22,310   | 18,350       | 17,460    | 13,300        | 13,400    | 10,320        |           |            | *10,540   | 9,110   | 9.9 m   |
|                                                                                        | -5 ft                                | lb           | *24,207   | *24,207      | *33,135   | *33,135      | *61,068   | *61,068      | *49,185   | 40,455       | 38,493    | 29,321        | 29,542    | 22,752        |           |            | *23,237   | 20,084  | 32.5 ft |
|                                                                                        | -3.0 m                               | kg           | *17,290   | *17,290      | *22,480   | *22,480      | *28,670   | *28,670      | *21,690   | 18,300       | *17,100   | 13,240        | 13,420    | 10,340        |           |            | *12,830   | 10,160  | 9.1 m   |
|                                                                                        | -10 ft                               | lb           | *38,118   | *38,118      | *49,560   | *49,560      | *63,206   | *63,206      | *47,818   | 40,345       | *37,699   | 29,189        | 29,586    | 22,796        |           |            | *28,285   | 22,399  | 29.9 ft |
|                                                                                        | -4.5 m                               | kg           |           |              | *32,210   | *32,210      | *25,680   | *25,680      | *19,710   | 18,520       | *15,260   | 13,440        |           |               |           |            | *13,700   | 12,270  | 8.0 m   |
|                                                                                        | -15 ft                               | lb           |           |              | *71,011   | *71,011      | *56,615   | *56,615      | *43,453   | 40,830       | *33,643   | 29,630        |           |               |           |            | *30,203   | 27,051  | 26.2 ft |
|                                                                                        | -6.0 m                               | kg           |           |              |           |              | *20,180   | *20,180      | *15,100   | *15,100      |           |               |           |               |           |            | *13,650   | *13,650 | 6.4 m   |
|                                                                                        | -20 ft                               | lb           |           |              |           |              | *44,489   | *44,489      | *33,290   | *33,290      |           |               |           |               |           |            | *30,093   | *30,093 | 21.0 ft |
| Straight boom<br>Arm<br>3.9 m (12'10")<br>Shoe<br>600 mm (24")<br>CWT<br>& no Add. CWT | 12.0 m                               | kg           |           |              |           |              |           |              |           |              |           |               |           |               |           |            | *10,420   | *10,420 | 6.0 m   |
|                                                                                        | 40 ft                                | lb           |           |              |           |              |           |              |           |              |           |               |           |               |           |            | *22,972   | *22,972 | 19.7 ft |
|                                                                                        | 10.5 m                               | kg           |           |              |           |              |           |              |           | *10,970      | *10,970   |               |           |               |           |            | *8,570    | *8,570  | 7.9 m   |
|                                                                                        | 35 ft                                | lb           |           |              |           |              |           |              |           | *24,185      | *24,185   |               |           |               |           |            | *18,894   | *18,894 | 25.9 ft |
|                                                                                        | 9.0 m                                | kg           |           |              |           |              |           |              |           | *12,320      | *12,320   | *9,600        | *9,600    |               |           |            | *7,730    | *7,730  | 9.2 m   |
|                                                                                        | 30 ft                                | lb           |           |              |           |              |           |              |           | *27,161      | *27,161   | *21,164       | *21,164   |               |           |            | *17,042   | *17,042 | 30.2 ft |
|                                                                                        | 7.5 m                                | kg           |           |              |           |              |           |              | *12,200   | *12,200      | *12,880   | *12,880       | *12,170   | 11,590        |           |            | *7,300    | *7,300  | 10.2 m  |
|                                                                                        | 25 ft                                | lb           |           |              |           |              |           |              | *26,896   | *26,896      | *28,396   | *28,396       | *26,830   | 25,552        |           |            | *16,094   | *16,094 | 33.5 ft |
|                                                                                        | 6.0 m                                | kg           |           |              |           |              | *14,580   | *14,580      | *14,860   | *14,860      | *14,630   | *14,630       | *12,960   | 11,370        | *9,770    | 8,780      | *7,090    | *7,090  | 10.8 m  |
|                                                                                        | 20 ft                                | lb           |           |              |           |              | *32,143   | *32,143      | *32,761   | *32,761      | *32,254   | *32,254       | *28,572   | 25,067        | *21,539   | 19,357     | *15,631   | *15,631 | 35.4 ft |
|                                                                                        | 4.5 m                                | kg           |           |              |           |              |           |              | *19,200   | *19,200      | *15,690   | 14,620        | *13,480   | 11,050        | 11,100    | 8,650      | *7,070    | *7,070  | 11.2 m  |
|                                                                                        | 15 ft                                | lb           |           |              |           |              |           |              | *42,329   | *42,329      | *34,590   | 32,232        | *29,718   | 24,361        | 24,471    | 19,070     | *15,587   | *15,587 | 36.7 ft |
|                                                                                        | 3.0 m                                | kg           |           |              |           |              |           |              | *21,080   | 19,400       | *16,700   | 13,980        | 13,790    | 10,690        | 10,910    | 8,470      | *7,200    | *7,200  | 11.4 m  |
|                                                                                        | 10 ft                                | lb           |           |              |           |              |           |              | *46,473   | 42,770       | *36,817   | 30,821        | 30,402    | 23,567        | 24,052    | 18,673     | *15,873   | *15,873 | 37.4 ft |
|                                                                                        | 1.5 m                                | kg           |           |              |           |              |           |              | *22,100   | 18,500       | *17,340   | 13,440        | 13,450    | 10,370        | 10,730    | 8,310      | *7,480    | 7,410   | 11.4 m  |
|                                                                                        | 5 ft                                 | lb           |           |              |           |              |           |              | *48,722   | 40,785       | *38,228   | 29,630        | 29,652    | 22,862        | 23,656    | 18,320     | *16,491   | 16,336  | 37.4 ft |
|                                                                                        | 0.0 m                                | kg           |           |              |           |              | *11,880   | *11,880      | *21,970   | 18,020       | 17,230    | 13,090        | 13,220    | 10,150        | 10,620    | 8,200      | *7,950    | 7,580   | 11.1 m  |
|                                                                                        | 0 ft                                 | lb           |           |              |           |              | *26,191   | *26,191      | *48,436   | 39,727       | 37,986    | 28,858        | 29,145    | 22,377        | 23,413    | 18,078     | *17,527   | 16,711  | 36.4 ft |
|                                                                                        | -1.5 m                               | kg           |           |              |           |              | *17,680   | *17,680      | *20,710   | 17,870       | *16,590   | 12,930        | 13,120    | 10,060        | *10,450   | 8,210      | *8,710    | 8,030   | 10.7 m  |
|                                                                                        | -5 ft                                | lb           |           |              |           |              | *38,978   | *38,978      | *45,658   | 39,397       | *36,575   | 28,506        | 28,925    | 22,178        | *23,038   | 18,100     | *19,202   | 17,703  | 35.1 ft |
|                                                                                        | -3.0 m                               | kg           |           |              |           |              | *22,290   | *22,290      | *18,340   | 17,980       | *14,850   | 12,980        | *11,730   | 10,120        |           |            | *9,030    | 8,880   | 10.0 m  |
|                                                                                        | -10 ft                               | lb           |           |              |           |              | *49,141   | *49,141      | *40,433   | 39,639       | *32,739   | 28,616        | *25,860   | 22,311        |           |            | *19,908   | 19,577  | 32.8 ft |
| -4.5 m                                                                                 | kg                                   |              |           |              |           |              |           | *14,620      | *14,620   | *11,710      | *11,710   |               |           |               |           |            |           | 9.0 m   |         |
| -15 ft                                                                                 | lb                                   |              |           |              |           |              |           | *32,232      | *32,232   | *25,816      | *25,816   |               |           |               |           |            |           | 29.5 ft |         |

Notes: 1. The above loads are in compliance with SAE and ISO Hydraulic Excavator Lift Capacity Standards. 2. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. 3. Rated loads marked with an asterisk (\*) are limited by hydraulic capacity rather than tipping load.

# Specifications

## LIFTING CAPACITY EC480EHR with hydraulically retractable undercarriage

At the arm end without bucket. For lifting capacity including bucket, simply subtract actual weight of the direct fit bucket or the bucket with quick fit from the following values.

| With Boom extension                                                                 | Lifting hook related to ground level | 4.5 m, 15 ft |           | 6.0 m, 20 ft |           | 7.5 m, 25 ft |           | 9.0 m, 30 ft |           | 10.5 m, 35 ft |           | 12.0 m, 40 ft |           | 13.5 m, 45 ft |           | Max. reach |           |         |
|-------------------------------------------------------------------------------------|--------------------------------------|--------------|-----------|--------------|-----------|--------------|-----------|--------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|------------|-----------|---------|
|                                                                                     |                                      | Along UC     | Across UC | Along UC     | Across UC | Along UC     | Across UC | Along UC     | Across UC | Along UC      | Across UC | Along UC      | Across UC | Along UC      | Across UC | Along UC   | Across UC | Max.    |
| Straight boom<br>Arm<br>3.9 m (12'10")<br>Shoe<br>600 mm (24")<br>CWT<br>& Add. CWT | 15.0 m kg                            |              |           |              |           |              |           |              |           |               |           |               |           |               |           | *10,170    | *10,170   | 7.1 m   |
|                                                                                     | 50 ft lb                             |              |           |              |           |              |           |              |           |               |           |               |           |               |           | *22,421    | *22,421   | 23.3 ft |
|                                                                                     | 13.5 m kg                            |              |           |              |           | *12,260      | *12,260   | *10,110      | *10,110   |               |           |               |           |               |           | *8,780     | *8,780    | 9.3 m   |
|                                                                                     | 45 ft lb                             |              |           |              |           | *27,029      | *27,029   | *22,289      | *22,289   |               |           |               |           |               |           | *19,357    | *19,357   | 30.5 ft |
|                                                                                     | 12.0 m kg                            |              |           |              |           | *12,270      | *12,270   | *10,620      | *10,620   | *9,430        | *9,430    |               |           |               |           | *8,090     | *8,090    | 10.9 m  |
|                                                                                     | 40 ft lb                             |              |           |              |           | *27,051      | *27,051   | *23,413      | *23,413   | *20,790       | *20,790   |               |           |               |           | *17,835    | *17,835   | 35.8 ft |
|                                                                                     | 10.5 m kg                            |              |           | *12,390      | *12,390   | *12,490      | *12,490   | *10,690      | *10,690   | *9,390        | *9,390    | *8,090        | 7,650     |               |           | *7,700     | 7,570     | 12.1 m  |
|                                                                                     | 35 ft lb                             |              |           | *27,315      | *27,315   | *27,536      | *27,536   | *23,567      | *23,567   | *20,701       | *20,701   | *17,835       | 16,865    |               |           | *16,976    | 16,689    | 39.7 ft |
|                                                                                     | 9.0 m kg                             | *19,510      | *19,510   | *15,960      | *15,960   | *12,920      | *12,920   | *10,910      | *10,910   | *9,470        | *9,470    | *8,380        | 7,640     |               |           | *7,500     | 6,510     | 13.0 m  |
|                                                                                     | 30 ft lb                             | *43,012      | *43,012   | *35,186      | *35,186   | *28,484      | *28,484   | *24,052      | *24,052   | *20,878       | *20,878   | *18,475       | 16,843    |               |           | *16,535    | 14,352    | 42.7 ft |
|                                                                                     | 7.5 m kg                             |              |           | *17,100      | *17,100   | *13,480      | *13,480   | *11,200      | *11,200   | *9,610        | 9,350     | *8,410        | 7,440     | *7,430        | 5,920     | *7,350     | 5,800     | 13.6 m  |
|                                                                                     | 25 ft lb                             |              |           | *37,699      | *37,699   | *29,718      | *29,718   | *24,692      | *24,692   | *21,186       | 20,613    | *18,541       | 16,402    | *16,380       | 13,051    | *16,204    | 12,787    | 44.6 ft |
|                                                                                     | 6.0 m kg                             |              |           |              |           | *14,030      | *14,030   | *11,490      | *11,490   | *9,750        | 8,870     | *8,460        | 7,160     | *7,400        | 5,800     | *6,990     | 5,320     | 14.1 m  |
|                                                                                     | 20 ft lb                             |              |           |              |           | *30,931      | *30,931   | *25,331      | 24,648    | *21,495       | 19,555    | *18,651       | 15,785    | *16,314       | 12,787    | *15,410    | 11,729    | 46.3 ft |
|                                                                                     | 4.5 m kg                             |              |           |              |           | *14,280      | 13,040    | *11,660      | 10,390    | *9,830        | 8,380     | *8,460        | 6,840     | *7,330        | 5,630     | *6,660     | 4,990     | 14.4 m  |
|                                                                                     | 15 ft lb                             |              |           |              |           | *31,482      | 28,748    | *25,706      | 22,906    | *21,671       | 18,475    | *18,651       | 15,080    | *16,160       | 12,412    | *14,683    | 11,001    | 47.2 ft |
|                                                                                     | 3.0 m kg                             |              |           |              |           |              |           | *11,590      | 9,730     | *9,770        | 7,930     | *8,360        | 6,550     | *7,190        | 5,450     | *6,340     | 4,810     | 14.5 m  |
|                                                                                     | 10 ft lb                             |              |           |              |           |              |           | *25,552      | 21,451    | *21,539       | 17,483    | *18,431       | 14,440    | *15,851       | 12,015    | *13,977    | 10,604    | 47.6 ft |
|                                                                                     | 1.5 m kg                             |              |           |              |           |              |           | *11,210      | 9,280     | *9,520        | 7,590     | *8,140        | 6,310     | *6,930        | 5,300     | *6,010     | 4,730     | 14.5 m  |
|                                                                                     | 5 ft lb                              |              |           |              |           |              |           | *24,714      | 20,459    | *20,988       | 16,733    | *17,946       | 13,911    | *15,278       | 11,684    | *13,250    | 10,428    | 47.6 ft |
|                                                                                     | 0.0 m kg                             |              |           |              |           | *10,210      | *10,210   | *10,510      | 9,030     | *9,050        | 7,360     | *7,730        | 6,140     | *6,480        | 5,200     | *5,630     | 4,770     | 14.4 m  |
|                                                                                     | 0 ft lb                              |              |           |              |           | *22,509      | *22,509   | *23,171      | 19,908    | *19,952       | 16,226    | *17,042       | 13,536    | *14,286       | 11,464    | *12,412    | 10,516    | 47.2 ft |
|                                                                                     | -1.5 m kg                            |              |           |              |           | *10,280      | *10,280   | *9,540       | 8,960     | *8,310        | 7,260     | *7,080        | 6,060     | *5,770        | 5,180     | *5,160     | 4,940     | 14.0 m  |
|                                                                                     | -5 ft lb                             |              |           |              |           | *22,663      | *22,663   | *21,032      | 19,753    | *18,320       | 16,006    | *15,609       | 13,360    | *12,721       | 11,420    | *11,376    | 10,891    | 45.9 ft |
|                                                                                     | -3.0 m kg                            |              |           |              |           | *8,720       | *8,720    | *8,270       | *8,270    | *7,280        | 7,270     | *6,130        | 6,080     | *4,580        | *4,580    | *4,560     | *4,560    | 13.5 m  |
|                                                                                     | -10 ft lb                            |              |           |              |           | *19,224      | *19,224   | *18,232      | *18,232   | *16,050       | 16,028    | *13,514       | 13,404    | *10,097       | *10,097   | *10,053    | *10,053   | 44.3 ft |
|                                                                                     | -4.5 m kg                            |              |           |              |           | *6,840       | *6,840    | *6,660       | *6,660    | *5,880        | *5,880    | *4,710        | *4,710    |               |           | *3,730     | *3,730    | 12.8 m  |
|                                                                                     | -15 ft lb                            |              |           |              |           | *15,080      | *15,080   | *14,683      | *14,683   | *12,963       | *12,963   | *10,384       | *10,384   |               |           | *8,223     | *8,223    | 42.0 ft |
| Bent boom<br>Arm<br>3.9 m (12'10")<br>Shoe<br>600 mm (24")<br>CWT<br>& Add. CWT     | 12.0 m kg                            |              |           |              |           |              |           | *8,370       | *8,370    |               |           |               |           |               |           | *7,760     | *7,760    | 9.2 m   |
|                                                                                     | 40 ft lb                             |              |           |              |           |              |           | *18,453      | *18,453   |               |           |               |           |               |           | *17,108    | *17,108   | 30.2 ft |
|                                                                                     | 10.5 m kg                            |              |           |              |           |              |           | *9,670       | *9,670    | *7,650        | *7,650    |               |           |               |           | *7,490     | *7,490    | 10.5 m  |
|                                                                                     | 35 ft lb                             |              |           |              |           |              |           | *21,319      | *21,319   | *16,865       | *16,865   |               |           |               |           | *16,513    | *16,513   | 34.4 ft |
|                                                                                     | 9.0 m kg                             |              |           |              |           | *11,370      | *11,370   | *9,880       | *9,880    | *8,830        | *8,830    |               |           |               |           | *7,430     | *7,430    | 11.5 m  |
|                                                                                     | 30 ft lb                             |              |           |              |           | *25,067      | *25,067   | *21,782      | *21,782   | *19,467       | *19,467   |               |           |               |           | *16,380    | *16,380   | 37.7 ft |
|                                                                                     | 7.5 m kg                             | *20,120      | *20,120   | *14,910      | *14,910   | *12,070      | *12,070   | *10,260      | *10,260   | *9,010        | *9,010    | *8,110        | 7,790     |               |           | *7,510     | 7,420     | 12.3 m  |
|                                                                                     | 25 ft lb                             | *44,357      | *44,357   | *32,871      | *32,871   | *26,610      | *26,610   | *22,619      | *22,619   | *19,864       | *19,864   | *17,879       | 17,174    |               |           | *16,557    | 16,358    | 40.4 ft |
|                                                                                     | 6.0 m kg                             |              |           | *16,580      | *16,580   | *12,910      | *12,910   | *10,740      | *10,740   | *9,270        | *9,270    | *8,220        | 7,560     |               |           | *7,740     | 6,670     | 12.8 m  |
|                                                                                     | 20 ft lb                             |              |           | *36,553      | *36,553   | *28,462      | *28,462   | *23,678      | *23,678   | *20,437       | *20,437   | *18,122       | 16,667    |               |           | *17,064    | 14,705    | 42.0 ft |
|                                                                                     | 4.5 m kg                             |              |           |              |           | *13,710      | *13,710   | *11,200      | *11,200   | *9,540        | 8,980     | *8,350        | 7,250     |               |           | *7,610     | 6,160     | 13.2 m  |
|                                                                                     | 15 ft lb                             |              |           |              |           | *30,225      | *30,225   | *24,692      | *24,692   | *21,032       | 19,797    | *18,409       | 15,983    |               |           | *16,777    | 13,580    | 43.3 ft |
|                                                                                     | 3.0 m kg                             |              |           |              |           | *14,200      | 13,290    | *11,540      | 10,530    | *9,740        | 8,500     | *8,440        | 6,940     |               |           | *7,510     | 5,840     | 13.3 m  |
|                                                                                     | 10 ft lb                             |              |           |              |           | *31,306      | 29,299    | *25,441      | 23,215    | *21,473       | 18,739    | *18,607       | 15,300    |               |           | *16,557    | 12,875    | 43.6 ft |
|                                                                                     | 1.5 m kg                             |              |           |              |           | *14,210      | 12,520    | *11,660      | 9,940     | *9,810        | 8,080     | *8,430        | 6,660     |               |           | *7,430     | 5,670     | 13.3 m  |
|                                                                                     | 5 ft lb                              |              |           |              |           | *31,328      | 27,602    | *25,706      | 21,914    | *21,627       | 17,813    | *18,585       | 14,683    |               |           | *16,380    | 12,500    | 43.6 ft |
|                                                                                     | 0.0 m kg                             |              |           |              |           | *13,800      | 12,120    | *11,500      | 9,540     | *9,700        | 7,770     | *8,290        | 6,440     |               |           | *7,340     | 5,660     | 13.1 m  |
|                                                                                     | 0 ft lb                              |              |           |              |           | *30,424      | 26,720    | *25,353      | 21,032    | *21,385       | 17,130    | *18,276       | 14,198    |               |           | *16,182    | 12,478    | 43.0 ft |
|                                                                                     | -1.5 m kg                            |              |           | *14,320      | *14,320   | *13,040      | 11,960    | *11,050      | 9,320     | *9,360        | 7,580     | *7,920        | 6,310     |               |           | *7,230     | 5,810     | 12.7 m  |
|                                                                                     | -5 ft lb                             |              |           | *31,570      | *31,570   | *28,748      | 26,367    | *24,361      | 20,547    | *20,635       | 16,711    | *17,461       | 13,911    |               |           | *15,939    | 12,809    | 41.7 ft |
|                                                                                     | -3.0 m kg                            |              |           | *13,300      | *13,300   | *11,970      | *11,970   | *10,280      | 9,260     | *8,720        | 7,510     | *7,230        | 6,290     |               |           | *7,040     | 6,170     | 12.2 m  |
|                                                                                     | -10 ft lb                            |              |           | *29,321      | *29,321   | *26,389      | *26,389   | *22,663      | 20,415    | *19,224       | 16,557    | *15,939       | 13,867    |               |           | *15,521    | 13,603    | 40.0 ft |
|                                                                                     | -4.5 m kg                            |              |           | *11,570      | *11,570   | *10,530      | *10,530   | *9,120       | *9,120    | *7,650        | 7,580     |               |           |               |           | *6,700     | *6,700    | 11.4 m  |
|                                                                                     | -15 ft lb                            |              |           | *25,507      | *25,507   | *23,215      | *23,215   | *20,106      | *20,106   | *16,865       | 16,711    |               |           |               |           | *14,771    | *14,771   | 37.4 ft |
|                                                                                     | -6.0 m kg                            |              |           | *9,230       | *9,230    | *8,550       | *8,550    | *7,390       | *7,390    |               |           |               |           |               |           | *6,060     | *6,060    | 10.3 m  |
|                                                                                     | -20 ft lb                            |              |           | *20,349      | *20,349   | *18,850      | *18,850   | *16,292      | *16,292   |               |           |               |           |               |           | *13,360    | *13,360   | 33.8 ft |

Notes: 1. The above loads are in compliance with SAE and ISO Hydraulic Excavator Lift Capacity Standards. 2. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. 3. Rated loads marked with an asterisk (\*) are limited by hydraulic capacity rather than tipping load.

## LIFTING CAPACITY EC750EHR

At the arm end without bucket. For lifting capacity including bucket, simply subtract actual weight of the direct fit bucket or the bucket with quick fit from the following values.

| Without Boom extension                                                                             | Lifting hook related to ground level | 3.0 m, 10 ft |           | 4.5 m, 15 ft |           | 6.0 m, 20 ft |           | 7.5 m, 25 ft |           | 9.0 m, 30 ft |           | 10.5 m, 35 ft |           | 12.0 m, 40 ft |           | Max. reach |           |         |
|----------------------------------------------------------------------------------------------------|--------------------------------------|--------------|-----------|--------------|-----------|--------------|-----------|--------------|-----------|--------------|-----------|---------------|-----------|---------------|-----------|------------|-----------|---------|
|                                                                                                    |                                      | Along UC     | Across UC | Along UC     | Across UC | Along UC     | Across UC | Along UC     | Across UC | Along UC     | Across UC | Along UC      | Across UC | Along UC      | Across UC | Along UC   | Across UC | Max.    |
| Bent boom<br>Arm<br>4.2 m (13'9")<br>Shoe<br>900 mm (36")<br>Hyd. Removal CWT<br>& no Add. CWT     | 10.5 m kg                            |              |           |              |           |              |           |              |           |              |           |               |           |               |           | *11,030    | *11,030   | 8.3 m   |
|                                                                                                    | 35 ft lb                             |              |           |              |           |              |           |              |           |              |           |               |           |               |           | *24,317    | *24,317   | 27.2 ft |
|                                                                                                    | 9 m kg                               |              |           |              |           |              |           |              |           | *13,480      | *13,480   |               |           |               |           | *10,330    | *10,330   | 9.5 m   |
|                                                                                                    | 30 ft lb                             |              |           |              |           |              |           |              |           | *29,718      | *29,718   |               |           |               |           | *22,774    | *22,774   | 31.2 ft |
|                                                                                                    | 7.5 m kg                             |              |           |              |           |              |           |              |           | *16,280      | *16,280   |               |           |               |           | *10,030    | *10,030   | 10.4 m  |
|                                                                                                    | 25 ft lb                             |              |           |              |           |              |           |              |           | *35,891      | *35,891   |               |           |               |           | *22,112    | *22,112   | 34.1 ft |
|                                                                                                    | 6 m kg                               |              |           |              |           |              |           | *21,010      | *21,010   | *18,880      | *18,880   | *13,860       | *13,860   |               |           | *10,000    | *10,000   | 11.0 m  |
|                                                                                                    | 20 ft lb                             |              |           |              |           |              |           | *46,319      | *46,319   | *41,623      | *41,623   | *30,556       | *30,556   |               |           | *22,046    | *22,046   | 36.1 ft |
|                                                                                                    | 4.5 m kg                             |              |           | *40,660      | *40,660   | *30,390      | *30,390   | *24,910      | *24,910   | *21,510      | *21,510   | *16,830       | 16,570    |               |           | *10,180    | *10,180   | 11.3 m  |
|                                                                                                    | 15 ft lb                             |              |           | *89,640      | *89,640   | *66,998      | *66,998   | *54,917      | *54,917   | *47,421      | *47,421   | *37,104       | 36,531    |               |           | *22,443    | *22,443   | 37.1 ft |
|                                                                                                    | 3 m kg                               |              |           |              |           | *33,680      | *33,680   | *26,770      | *26,770   | *22,550      | 20,630    | *19,610       | 15,910    |               |           | *10,600    | *10,600   | 11.5 m  |
|                                                                                                    | 10 ft lb                             |              |           |              |           | *74,252      | *74,252   | *59,018      | *59,018   | *49,714      | 45,481    | *43,233       | 35,076    |               |           | *23,369    | *23,369   | 37.7 ft |
|                                                                                                    | 1.5 m kg                             |              |           |              |           | *35,820      | *35,820   | *28,140      | 25,930    | *23,330      | 19,540    | 19,220        | 15,260    |               |           | *11,280    | *11,280   | 11.5 m  |
|                                                                                                    | 5 ft lb                              |              |           |              |           | *78,969      | *78,969   | *62,038      | 57,166    | *51,434      | 43,078    | 42,373        | 33,643    |               |           | *24,868    | *24,868   | 37.7 ft |
|                                                                                                    | 0 m kg                               |              |           | *23,020      | *23,020   | *36,370      | 34,780    | *28,680      | 24,580    | *23,590      | 18,660    | 18,660        | 14,730    |               |           | *12,320    | *12,320   | 11.2 m  |
|                                                                                                    | 0 ft lb                              |              |           | *50,750      | *50,750   | *80,182      | 76,677    | *63,229      | 54,190    | *52,007      | 41,138    | 41,138        | 32,474    |               |           | *27,161    | *27,161   | 36.7 ft |
|                                                                                                    | -1.5 m kg                            | *17,320      | *17,320   | *30,250      | *30,250   | *35,370      | 33,760    | *28,190      | 23,750    | *23,070      | 18,080    | 18,330        | 14,410    |               |           | *13,900    | *13,900   | 10.8 m  |
|                                                                                                    | -5 ft lb                             | *38,184      | *38,184   | *66,690      | *66,690   | *77,977      | 74,428    | *62,148      | 52,360    | *50,861      | 39,860    | 40,411        | 31,769    |               |           | *30,644    | *30,644   | 35.4 ft |
|                                                                                                    | -3 m kg                              | *26,390      | *26,390   | *40,850      | *40,850   | *32,840      | *32,840   | *26,420      | 23,410    | *21,360      | 17,870    |               |           |               |           | *16,470    | 15,300    | 10.1 m  |
|                                                                                                    | -10 ft lb                            | *58,180      | *58,180   | *90,059      | *90,059   | *72,400      | *72,400   | *58,246      | 51,610    | *47,091      | 39,397    |               |           |               |           | *36,310    | 33,731    | 33.1 ft |
|                                                                                                    | -4.5 m kg                            | *37,440      | *37,440   | *35,150      | *35,150   | *28,460      | *28,460   | *22,860      | *22,860   | *17,340      |           |               |           |               |           | *17,070    | *17,070   | 9.1 m   |
|                                                                                                    | -15 ft lb                            | *82,541      | *82,541   | *77,492      | *77,492   | *62,743      | *62,743   | *50,398      | *50,398   | *38,228      | *38,228   |               |           |               |           | *37,633    | *37,633   | 29.9 ft |
|                                                                                                    | -6 m kg                              |              |           |              |           | *21,180      | *21,180   | *15,700      | *15,700   |              |           |               |           |               |           |            |           | 7.6 m   |
|                                                                                                    | -20 ft lb                            |              |           |              |           | *46,694      | *46,694   | *34,613      | *34,613   |              |           |               |           |               |           |            |           | 24.9 ft |
| Straight boom<br>Arm<br>4.2 m (13'9")<br>Shoe<br>900 mm (36")<br>Hyd. Removal CWT<br>& no Add. CWT | 13.5 m kg                            |              |           |              |           |              |           |              |           |              |           |               |           |               |           | *16,030    | *16,030   | 5.7 m   |
|                                                                                                    | 45 ft lb                             |              |           |              |           |              |           |              |           |              |           |               |           |               |           | *35,340    | *35,340   | 18.7 ft |
|                                                                                                    | 12 m kg                              |              |           |              |           |              |           | *15,460      | *15,460   |              |           |               |           |               |           | *12,820    | *12,820   | 8.0 m   |
|                                                                                                    | 40 ft lb                             |              |           |              |           |              |           | *34,083      | *34,083   |              |           |               |           |               |           | *28,263    | *28,263   | 26.2 ft |
|                                                                                                    | 10.5 m kg                            |              |           |              |           |              |           | *16,230      | *16,230   | *14,450      | *14,450   |               |           |               |           | *11,370    | *11,370   | 9.5 m   |
|                                                                                                    | 35 ft lb                             |              |           |              |           |              |           | *35,781      | *35,781   | *31,857      | *31,857   |               |           |               |           | *25,067    | *25,067   | 31.2 ft |
|                                                                                                    | 9 m kg                               |              |           |              |           |              |           | *16,080      | *16,080   | *16,170      | *16,170   | *11,340       | *11,340   |               |           | *10,590    | *10,590   | 10.6 m  |
|                                                                                                    | 30 ft lb                             |              |           |              |           |              |           | *35,450      | *35,450   | *35,649      | *35,649   | *25,000       | *25,000   |               |           | *23,347    | *23,347   | 34.8 ft |
|                                                                                                    | 7.5 m kg                             |              |           |              |           | *15,940      | *15,940   | *17,110      | *17,110   | *17,300      | *17,300   | *15,450       | *15,450   |               |           | *10,180    | *10,180   | 11.3 m  |
|                                                                                                    | 25 ft lb                             |              |           |              |           | *35,142      | *35,142   | *37,721      | *37,721   | *38,140      | *38,140   | *34,061       | *34,061   |               |           | *22,443    | *22,443   | 37.1 ft |
|                                                                                                    | 6 m kg                               |              |           |              |           | *22,910      | *22,910   | *21,010      | *21,010   | *19,700      | *19,700   | *17,580       | 15,940    |               |           | *9,990     | *9,990    | 11.9 m  |
|                                                                                                    | 20 ft lb                             |              |           |              |           | *50,508      | *50,508   | *46,319      | *46,319   | *43,431      | *43,431   | *38,757       | 35,142    |               |           | *22,024    | *22,024   | 39.0 ft |
|                                                                                                    | 4.5 m kg                             |              |           |              |           | *34,970      | *34,970   | *27,870      | 27,010    | *23,290      | 19,970    | 19,270        | 15,360    | *12,910       | 12,010    | *10,000    | *10,000   | 12.2 m  |
|                                                                                                    | 15 ft lb                             |              |           |              |           | *77,096      | *77,096   | *61,443      | 59,547    | *51,346      | 44,026    | 42,483        | 33,863    | *28,462       | 26,477    | *22,046    | *22,046   | 40.0 ft |
|                                                                                                    | 3 m kg                               |              |           |              |           | *36,300      | 35,670    | *28,600      | 25,130    | *23,580      | 18,880    | 18,610        | 14,720    | 14,870        | 11,720    | *10,220    | *10,220   | 12.4 m  |
|                                                                                                    | 10 ft lb                             |              |           |              |           | *80,028      | 78,639    | *63,052      | 55,402    | *51,985      | 41,623    | 41,028        | 32,452    | 32,783        | 25,838    | *22,531    | *22,531   | 40.7 ft |
|                                                                                                    | 1.5 m kg                             |              |           |              |           | *34,430      | 33,290    | *28,480      | 23,630    | 22,930       | 17,950    | 18,020        | 14,160    | 14,600        | 11,460    | *10,610    | *10,610   | 12.3 m  |
|                                                                                                    | 5 ft lb                              |              |           |              |           | *75,905      | 73,392    | *62,788      | 52,095    | 50,552       | 39,573    | 39,727        | 31,217    | 32,187        | 25,265    | *23,391    | *23,391   | 40.4 ft |
|                                                                                                    | 0 m kg                               |              |           |              |           | *33,050      | 32,120    | *27,250      | 22,670    | 22,230       | 17,290    | 17,600        | 13,760    | *13,370       | 11,320    | *11,240    | 11,190    | 12.1 m  |
|                                                                                                    | 0 ft lb                              |              |           |              |           | *72,863      | 70,812    | *60,076      | 49,979    | 49,009       | 38,118    | 38,801        | 30,336    | *29,476       | 24,956    | *24,780    | 24,670    | 39.7 ft |
|                                                                                                    | -1.5 m kg                            |              |           | *17,550      | *17,550   | *29,750      | *29,750   | *24,810      | 22,240    | *20,450      | 16,960    | *16,460       | 13,590    |               |           | *12,190    | 11,810    | 11.7 m  |
|                                                                                                    | -5 ft lb                             |              |           | *38,691      | *38,691   | *65,587      | *65,587   | *54,697      | 49,031    | *45,084      | 37,390    | *36,288       | 29,961    |               |           | *26,874    | 26,037    | 38.4 ft |
|                                                                                                    | -3 m kg                              |              |           | *26,470      | *26,470   | *24,610      | *24,610   | *21,040      | *21,040   | *17,240      | 16,980    | *12,910       | *12,910   |               |           | *10,420    | *10,420   | 11.0 m  |
|                                                                                                    | -10 ft lb                            |              |           | *58,356      | *58,356   | *54,256      | *54,256   | *46,385      | *46,385   | *38,008      | 37,434    | *28,462       | *28,462   |               |           | *22,972    | *22,972   | 36.1 ft |
|                                                                                                    | -4.5 m kg                            |              |           |              |           |              |           | *15,580      | *15,580   | *12,110      | *12,110   |               |           |               |           |            |           | 10.1 m  |
|                                                                                                    | -15 ft lb                            |              |           |              |           |              |           | *34,348      | *34,348   | *26,698      | *26,698   |               |           |               |           |            |           | 33.1 ft |

Notes: 1. The above loads are in compliance with SAE and ISO Hydraulic Excavator Lift Capacity Standards. 2. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. 3. Rated loads marked with an asterisk (\*) are limited by hydraulic capacity rather than tipping load.

# Specifications

## LIFTING CAPACITY EC750EHR

At the arm end without bucket. For lifting capacity including bucket, simply subtract actual weight of the direct fit bucket or the bucket with quick fit from the following values.

| Without Boom extension                                                                             | Lifting hook related to ground level | 3.0 m, 10 ft |           | 4.5 m, 15 ft |           | 6.0 m, 20 ft |           | 7.5 m, 25 ft |           | 9.0 m, 30 ft |           | 10.5 m, 35 ft |           | 12.0 m, 40 ft |           | Max. reach |           |         |
|----------------------------------------------------------------------------------------------------|--------------------------------------|--------------|-----------|--------------|-----------|--------------|-----------|--------------|-----------|--------------|-----------|---------------|-----------|---------------|-----------|------------|-----------|---------|
|                                                                                                    |                                      | Along UC     | Across UC | Along UC     | Across UC | Along UC     | Across UC | Along UC     | Across UC | Along UC     | Across UC | Along UC      | Across UC | Along UC      | Across UC | Along UC   | Across UC | Max.    |
| Bent boom<br>Arm<br>4.2 m (13'9")<br>Shoe<br>750 mm (30")<br>Hyd. Removal CWT<br>& no Add. CWT     | 10.5 m kg                            |              |           |              |           |              |           |              |           |              |           |               |           |               |           | *11,030    | *11,030   | 8.3 m   |
|                                                                                                    | 35 ft lb                             |              |           |              |           |              |           |              |           |              |           |               |           |               |           | *24,317    | *24,317   | 27.2 ft |
|                                                                                                    | 9 m kg                               |              |           |              |           |              |           |              |           | *13,480      | *13,480   |               |           |               |           | *10,330    | *10,330   | 9.5 m   |
|                                                                                                    | 30 ft lb                             |              |           |              |           |              |           |              |           | *29,718      | *29,718   |               |           |               |           | *22,774    | *22,774   | 31.2 ft |
|                                                                                                    | 7.5 m kg                             |              |           |              |           |              |           |              |           | *16,280      | *16,280   |               |           |               |           | *10,030    | *10,030   | 10.4 m  |
|                                                                                                    | 25 ft lb                             |              |           |              |           |              |           |              |           | *35,891      | *35,891   |               |           |               |           | *22,112    | *22,112   | 34.1 ft |
|                                                                                                    | 6 m kg                               |              |           |              |           |              |           | *21,010      | *21,010   | *18,880      | *18,880   | *13,860       | *13,860   |               |           | *10,000    | *10,000   | 11.0 m  |
|                                                                                                    | 20 ft lb                             |              |           |              |           |              |           | *46,319      | *46,319   | *41,623      | *41,623   | *30,556       | *30,556   |               |           | *22,046    | *22,046   | 36.1 ft |
|                                                                                                    | 4.5 m kg                             |              |           | *40,660      | *40,660   | *30,390      | *30,390   | *24,910      | *24,910   | *21,510      | *21,510   | *16,830       | 16,340    |               |           | *10,180    | *10,180   | 11.3 m  |
|                                                                                                    | 15 ft lb                             |              |           | *89,640      | *89,640   | *66,998      | *66,998   | *54,917      | *54,917   | *47,421      | *47,421   | *37,104       | 36,023    |               |           | *22,443    | *22,443   | 37.1 ft |
|                                                                                                    | 3 m kg                               |              |           |              |           | *33,680      | *33,680   | *26,770      | *26,770   | *22,550      | 20,340    | 19,600        | 15,680    |               |           | *10,600    | *10,600   | 11.5 m  |
|                                                                                                    | 10 ft lb                             |              |           |              |           | *74,252      | *74,252   | *59,018      | *59,018   | *49,714      | 44,842    | 43,211        | 34,568    |               |           | *23,369    | *23,369   | 37.7 ft |
|                                                                                                    | 1.5 m kg                             |              |           |              |           | *35,820      | *35,820   | *28,140      | 25,550    | *23,330      | 19,250    | 18,920        | 15,020    |               |           | *11,280    | *11,280   | 11.5 m  |
|                                                                                                    | 5 ft lb                              |              |           |              |           | *78,969      | *78,969   | *62,038      | 56,328    | *51,434      | 42,439    | 41,711        | 33,113    |               |           | *24,868    | *24,868   | 37.7 ft |
|                                                                                                    | 0 m kg                               |              |           | *23,020      | *23,020   | *36,370      | 34,250    | *28,680      | 24,200    | 23,370       | 18,370    | 18,360        | 14,490    |               |           | *12,320    | *12,320   | 11.2 m  |
|                                                                                                    | 0 ft lb                              |              |           | *50,750      | *50,750   | *80,182      | 75,508    | *63,229      | 53,352    | 51,522       | 40,499    | 40,477        | 31,945    |               |           | *27,161    | *27,161   | 36.7 ft |
|                                                                                                    | -1.5 m kg                            | *17,320      | *17,320   | *30,250      | *30,250   | *35,370      | 33,230    | *28,190      | 23,370    | 22,760       | 17,790    | 18,030        | 14,170    |               |           | *13,900    | 13,680    | 10.8 m  |
|                                                                                                    | -5 ft lb                             | *38,184      | *38,184   | *66,690      | *66,690   | *77,977      | 73,260    | *62,148      | 51,522    | 50,177       | 39,220    | 39,749        | 31,239    |               |           | *30,644    | 30,159    | 35.4 ft |
|                                                                                                    | -3 m kg                              | *26,390      | *26,390   | *40,850      | *40,850   | *32,840      | *32,840   | *26,420      | 23,040    | *21,360      | 17,580    |               |           |               |           | *16,470    | 15,050    | 10.1 m  |
|                                                                                                    | -10 ft lb                            | *58,180      | *58,180   | *90,059      | *90,059   | *72,400      | *72,400   | *58,246      | 50,794    | *47,091      | 38,757    |               |           |               |           | *36,310    | 33,180    | 33.1 ft |
|                                                                                                    | -4.5 m kg                            | *37,440      | *37,440   | *35,150      | *35,150   | *28,460      | *28,460   | *22,860      | *22,860   | *17,340      |           |               |           |               |           | *17,070    | *17,070   | 9.1 m   |
|                                                                                                    | -15 ft lb                            | *82,541      | *82,541   | *77,492      | *77,492   | *62,743      | *62,743   | *50,398      | *50,398   | *38,228      | *38,228   |               |           |               |           | *37,633    | *37,633   | 29.9 ft |
|                                                                                                    | -6 m kg                              |              |           |              |           | *21,180      | *21,180   | *15,700      | *15,700   |              |           |               |           |               |           |            |           | 7.6 m   |
|                                                                                                    | -20 ft lb                            |              |           |              |           | *46,694      | *46,694   | *34,613      | *34,613   |              |           |               |           |               |           |            |           | 24.9 ft |
| Straight boom<br>Arm<br>4.2 m (13'9")<br>Shoe<br>750 mm (30")<br>Hyd. Removal CWT<br>& no Add. CWT | 13.5 m kg                            |              |           |              |           |              |           |              |           |              |           |               |           |               |           | *16,030    | *16,030   | 5.7 m   |
|                                                                                                    | 45 ft lb                             |              |           |              |           |              |           |              |           |              |           |               |           |               |           | *35,340    | *35,340   | 18.7 ft |
|                                                                                                    | 12 m kg                              |              |           |              |           |              |           | *15,460      | *15,460   |              |           |               |           |               |           | *12,820    | *12,820   | 8.0 m   |
|                                                                                                    | 40 ft lb                             |              |           |              |           |              |           | *34,083      | *34,083   |              |           |               |           |               |           | *28,263    | *28,263   | 26.2 ft |
|                                                                                                    | 10.5 m kg                            |              |           |              |           |              |           | *16,230      | *16,230   | *14,450      | *14,450   |               |           |               |           | *11,370    | *11,370   | 9.5 m   |
|                                                                                                    | 35 ft lb                             |              |           |              |           |              |           | *35,781      | *35,781   | *31,857      | *31,857   |               |           |               |           | *25,067    | *25,067   | 31.2 ft |
|                                                                                                    | 9 m kg                               |              |           |              |           |              |           | *16,080      | *16,080   | *16,170      | *16,170   | *11,340       | *11,340   |               |           | *10,590    | *10,590   | 10.6 m  |
|                                                                                                    | 30 ft lb                             |              |           |              |           |              |           | *35,450      | *35,450   | *35,649      | *35,649   | *25,000       | *25,000   |               |           | *23,347    | *23,347   | 34.8 ft |
|                                                                                                    | 7.5 m kg                             |              |           |              |           | *15,940      | *15,940   | *17,110      | *17,110   | *17,300      | *17,300   | *15,450       | *15,450   |               |           | *10,180    | *10,180   | 11.3 m  |
|                                                                                                    | 25 ft lb                             |              |           |              |           | *35,142      | *35,142   | *37,721      | *37,721   | *38,140      | *38,140   | *34,061       | *34,061   |               |           | *22,443    | *22,443   | 37.1 ft |
|                                                                                                    | 6 m kg                               |              |           |              |           | *22,910      | *22,910   | *21,010      | *21,010   | *19,700      | *19,700   | *17,580       | 15,940    |               |           | *9,990     | *9,990    | 11.9 m  |
|                                                                                                    | 20 ft lb                             |              |           |              |           | *50,508      | *50,508   | *46,319      | *46,319   | *43,431      | *43,431   | *38,757       | 35,142    |               |           | *22,024    | *22,024   | 39.0 ft |
|                                                                                                    | 4.5 m kg                             |              |           |              |           | *34,970      | *34,970   | *27,870      | 27,010    | *23,290      | 19,970    | 19,270        | 15,360    | *12,910       | 12,010    | *10,000    | *10,000   | 12.2 m  |
|                                                                                                    | 15 ft lb                             |              |           |              |           | *77,096      | *77,096   | *61,443      | 59,547    | *51,346      | 44,026    | 42,483        | 33,863    | *28,462       | 26,477    | *22,046    | *22,046   | 40.0 ft |
|                                                                                                    | 3 m kg                               |              |           |              |           | *36,300      | 35,670    | *28,600      | 25,130    | *23,580      | 18,880    | 18,610        | 14,720    | 14,870        | 11,720    | *10,220    | *10,220   | 12.4 m  |
|                                                                                                    | 10 ft lb                             |              |           |              |           | *80,028      | 78,639    | *63,052      | 55,402    | *51,985      | 41,623    | 41,028        | 32,452    | 32,783        | 25,838    | *22,531    | *22,531   | 40.7 ft |
|                                                                                                    | 1.5 m kg                             |              |           |              |           | *34,430      | 33,290    | *28,480      | 23,630    | 22,930       | 17,950    | 18,020        | 14,160    | 14,600        | 11,460    | *10,610    | *10,610   | 12.3 m  |
|                                                                                                    | 5 ft lb                              |              |           |              |           | *75,905      | 73,392    | *62,788      | 52,095    | 50,552       | 39,573    | 39,727        | 31,217    | 32,187        | 25,265    | *23,391    | *23,391   | 40.4 ft |
|                                                                                                    | 0 m kg                               |              |           |              |           | *33,050      | 32,120    | *27,250      | 22,670    | 22,230       | 17,290    | 17,600        | 13,760    | *13,370       | 11,320    | *11,240    | 11,190    | 12.1 m  |
|                                                                                                    | 0 ft lb                              |              |           |              |           | *72,863      | 70,812    | *60,076      | 49,979    | 49,009       | 38,118    | 38,801        | 30,336    | *29,476       | 24,956    | *24,780    | 24,670    | 39.7 ft |
|                                                                                                    | -1.5 m kg                            |              |           | *17,550      | *17,550   | *29,750      | *29,750   | *24,810      | 22,240    | *20,450      | 16,960    | *16,460       | 13,590    |               |           | *12,190    | 11,810    | 11.7 m  |
|                                                                                                    | -5 ft lb                             |              |           | *38,691      | *38,691   | *65,587      | *65,587   | *54,697      | 49,031    | *45,084      | 37,390    | *36,288       | 29,961    |               |           | *26,874    | 26,037    | 38.4 ft |
|                                                                                                    | -3 m kg                              |              |           | *26,470      | *26,470   | *24,610      | *24,610   | *21,040      | *21,040   | *17,240      | 16,980    | *12,910       | *12,910   |               |           | *10,420    | *10,420   | 11.0 m  |
|                                                                                                    | -10 ft lb                            |              |           | *58,356      | *58,356   | *54,256      | *54,256   | *46,385      | *46,385   | *38,008      | 37,434    | *28,462       | *28,462   |               |           | *22,972    | *22,972   | 36.1 ft |
|                                                                                                    | -4.5 m kg                            |              |           |              |           |              |           | *15,580      | *15,580   | *12,110      | *12,110   |               |           |               |           |            |           | 10.1 m  |
|                                                                                                    | -15 ft lb                            |              |           |              |           |              |           | *34,348      | *34,348   | *26,698      | *26,698   |               |           |               |           |            |           | 33.1 ft |

Notes: 1. The above loads are in compliance with SAE and ISO Hydraulic Excavator Lift Capacity Standards. 2. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. 3. Rated loads marked with an asterisk (\*) are limited by hydraulic capacity rather than tipping load.



## LIFTING CAPACITY EC750EHR

At the arm end without bucket. For lifting capacity including bucket, simply subtract actual weight of the direct fit bucket or the bucket with quick fit from the following values.

| Without Boom extension                                                                             | Lifting hook related to ground level | 3.0 m, 10 ft |           | 4.5 m, 15 ft |           | 6.0 m, 20 ft |           | 7.5 m, 25 ft |           | 9.0 m, 30 ft |           | 10.5 m, 35 ft |           | 12.0 m, 40 ft |           | Max. reach |           |         |
|----------------------------------------------------------------------------------------------------|--------------------------------------|--------------|-----------|--------------|-----------|--------------|-----------|--------------|-----------|--------------|-----------|---------------|-----------|---------------|-----------|------------|-----------|---------|
|                                                                                                    |                                      | Along UC     | Across UC | Along UC     | Across UC | Along UC     | Across UC | Along UC     | Across UC | Along UC     | Across UC | Along UC      | Across UC | Along UC      | Across UC | Along UC   | Across UC | Max.    |
| Bent boom<br>Arm<br>4.2 m (13'9")<br>Shoe<br>650 mm (26")<br>Hyd. Removal CWT<br>& no Add. CWT     | 10.5 m kg                            |              |           |              |           |              |           |              |           |              |           |               |           |               |           | *11,030    | *11,030   | 8.3 m   |
|                                                                                                    | 35 ft lb                             |              |           |              |           |              |           |              |           |              |           |               |           |               |           | *24,317    | *24,317   | 27.2 ft |
|                                                                                                    | 9 m kg                               |              |           |              |           |              |           |              |           | *13,480      | *13,480   |               |           |               |           | *10,330    | *10,330   | 9.5 m   |
|                                                                                                    | 30 ft lb                             |              |           |              |           |              |           |              |           | *29,718      | *29,718   |               |           |               |           | *22,774    | *22,774   | 31.2 ft |
|                                                                                                    | 7.5 m kg                             |              |           |              |           |              |           |              |           | *16,280      | *16,280   |               |           |               |           | *10,030    | *10,030   | 10.4 m  |
|                                                                                                    | 25 ft lb                             |              |           |              |           |              |           |              |           | *35,891      | *35,891   |               |           |               |           | *22,112    | *22,112   | 34.1 ft |
|                                                                                                    | 6 m kg                               |              |           |              |           |              |           | *21,010      | *21,010   | *18,880      | *18,880   | *13,860       | *13,860   |               |           | *10,000    | *10,000   | 11.0 m  |
|                                                                                                    | 20 ft lb                             |              |           |              |           |              |           | *46,319      | *46,319   | *41,623      | *41,623   | *30,556       | *30,556   |               |           | *22,046    | *22,046   | 36.1 ft |
|                                                                                                    | 4.5 m kg                             |              |           | *40,660      | *40,660   | *30,390      | *30,390   | *24,910      | *24,910   | *21,510      | 21,310    | *16,830       | 16,180    |               |           | *10,180    | *10,180   | 11.3 m  |
|                                                                                                    | 15 ft lb                             |              |           | *89,640      | *89,640   | *66,998      | *66,998   | *54,917      | *54,917   | *47,421      | 46,980    | *37,104       | 35,671    |               |           | *22,443    | *22,443   | 37.1 ft |
|                                                                                                    | 3 m kg                               |              |           |              |           | *33,680      | *33,680   | *26,770      | *26,770   | *22,550      | 20,150    | 19,400        | 15,520    |               |           | *10,600    | *10,600   | 11.5 m  |
|                                                                                                    | 10 ft lb                             |              |           |              |           | *74,252      | *74,252   | *59,018      | *59,018   | *49,714      | 44,423    | 42,770        | 34,216    |               |           | *23,369    | *23,369   | 37.7 ft |
|                                                                                                    | 1.5 m kg                             |              |           |              |           | *35,820      | *35,820   | *28,140      | 25,300    | *23,330      | 19,050    | 18,720        | 14,860    |               |           | *11,280    | *11,280   | 11.5 m  |
|                                                                                                    | 5 ft lb                              |              |           |              |           | *78,969      | *78,969   | *62,038      | 55,777    | *51,434      | 41,998    | 41,270        | 32,761    |               |           | *24,868    | *24,868   | 37.7 ft |
|                                                                                                    | 0 m kg                               |              |           | *23,020      | *23,020   | *36,370      | 33,900    | *28,680      | 23,950    | 23,120       | 18,170    | 18,160        | 14,330    |               |           | *12,320    | *12,320   | 11.2 m  |
|                                                                                                    | 0 ft lb                              |              |           | *50,750      | *50,750   | *80,182      | 74,737    | *63,229      | 52,801    | 50,971       | 40,058    | 40,036        | 31,592    |               |           | *27,161    | *27,161   | 36.7 ft |
|                                                                                                    | -1.5 m kg                            | *17,320      | *17,320   | *30,250      | *30,250   | *35,370      | 32,880    | *28,190      | 23,120    | 22,510       | 17,590    | 17,840        | 14,010    |               |           | *13,900    | 13,530    | 10.8 m  |
|                                                                                                    | -5 ft lb                             | *38,184      | *38,184   | *66,690      | *66,690   | *77,977      | 72,488    | *62,148      | 50,971    | 49,626       | 38,779    | 39,330        | 30,887    |               |           | *30,644    | 29,829    | 35.4 ft |
|                                                                                                    | -3 m kg                              | *26,390      | *26,390   | *40,850      | *40,850   | *32,840      | 32,580    | *26,420      | 22,790    | *21,360      | 17,380    |               |           |               |           | *16,470    | 14,880    | 10.1 m  |
|                                                                                                    | -10 ft lb                            | *58,180      | *58,180   | *90,059      | *90,059   | *72,400      | 71,827    | *58,246      | 50,243    | *47,091      | 38,316    |               |           |               |           | *36,310    | 32,805    | 33.1 ft |
|                                                                                                    | -4.5 m kg                            | *37,440      | *37,440   | *35,150      | *35,150   | *28,460      | *28,460   | *22,860      | *22,860   | *17,340      |           |               |           |               |           | *17,070    | *17,070   | 9.1 m   |
|                                                                                                    | -15 ft lb                            | *82,541      | *82,541   | *77,492      | *77,492   | *62,743      | *62,743   | *50,398      | *50,398   | *38,228      | *38,228   |               |           |               |           | *37,633    | *37,633   | 29.9 ft |
|                                                                                                    | -6 m kg                              |              |           |              |           | *21,180      | *21,180   | *15,700      | *15,700   |              |           |               |           |               |           |            |           | 7.6 m   |
|                                                                                                    | -20 ft lb                            |              |           |              |           | *46,694      | *46,694   | *34,613      | *34,613   |              |           |               |           |               |           |            |           | 24.9 ft |
| Straight boom<br>Arm<br>4.2 m (13'9")<br>Shoe<br>650 mm (26")<br>Hyd. Removal CWT<br>& no Add. CWT | 13.5 m kg                            |              |           |              |           |              |           |              |           |              |           |               |           |               |           | *16,030    | *16,030   | 5.7 m   |
|                                                                                                    | 45 ft lb                             |              |           |              |           |              |           |              |           |              |           |               |           |               |           | *35,340    | *35,340   | 18.7 ft |
|                                                                                                    | 12 m kg                              |              |           |              |           |              |           | *15,460      | *15,460   |              |           |               |           |               |           | *12,820    | *12,820   | 8.0 m   |
|                                                                                                    | 40 ft lb                             |              |           |              |           |              |           | *34,083      | *34,083   |              |           |               |           |               |           | *28,263    | *28,263   | 26.2 ft |
|                                                                                                    | 10.5 m kg                            |              |           |              |           |              |           | *16,230      | *16,230   | *14,450      | *14,450   |               |           |               |           | *11,370    | *11,370   | 9.5 m   |
|                                                                                                    | 35 ft lb                             |              |           |              |           |              |           | *35,781      | *35,781   | *31,857      | *31,857   |               |           |               |           | *25,067    | *25,067   | 31.2 ft |
|                                                                                                    | 9 m kg                               |              |           |              |           |              |           | *16,080      | *16,080   | *16,170      | *16,170   | *11,340       | *11,340   |               |           | *10,590    | *10,590   | 10.6 m  |
|                                                                                                    | 30 ft lb                             |              |           |              |           |              |           | *35,450      | *35,450   | *35,649      | *35,649   | *25,000       | *25,000   |               |           | *23,347    | *23,347   | 34.8 ft |
|                                                                                                    | 7.5 m kg                             |              |           |              |           | *15,940      | *15,940   | *17,110      | *17,110   | *17,300      | *17,300   | *15,450       | *15,450   |               |           | *10,180    | *10,180   | 11.3 m  |
|                                                                                                    | 25 ft lb                             |              |           |              |           | *35,142      | *35,142   | *37,721      | *37,721   | *38,140      | *38,140   | *34,061       | *34,061   |               |           | *22,443    | *22,443   | 37.1 ft |
|                                                                                                    | 6 m kg                               |              |           |              |           | *22,910      | *22,910   | *21,010      | *21,010   | *19,700      | *19,700   | *17,580       | 15,780    |               |           | *9,990     | *9,990    | 11.9 m  |
|                                                                                                    | 20 ft lb                             |              |           |              |           | *50,508      | *50,508   | *46,319      | *46,319   | *43,431      | *43,431   | *38,757       | 34,789    |               |           | *22,024    | *22,024   | 39.0 ft |
|                                                                                                    | 4.5 m kg                             |              |           |              |           | *34,970      | *34,970   | *27,870      | 26,750    | *23,290      | 19,780    | 19,070        | 15,200    | *12,910       | 11,870    | *10,000    | *10,000   | 12.2 m  |
|                                                                                                    | 15 ft lb                             |              |           |              |           | *77,096      | *77,096   | *61,443      | 58,974    | *51,346      | 43,607    | 42,042        | 33,510    | *28,462       | 26,169    | *22,046    | *22,046   | 40.0 ft |
|                                                                                                    | 3 m kg                               |              |           |              |           | *36,300      | 35,320    | *28,600      | 24,880    | *23,580      | 18,690    | 18,410        | 14,560    | 14,710        | 11,590    | *10,220    | *10,220   | 12.4 m  |
|                                                                                                    | 10 ft lb                             |              |           |              |           | *80,028      | 77,867    | *63,052      | 54,851    | *51,985      | 41,204    | 40,587        | 32,099    | 32,430        | 25,552    | *22,531    | *22,531   | 40.7 ft |
|                                                                                                    | 1.5 m kg                             |              |           |              |           | *34,430      | 32,940    | *28,480      | 23,380    | 22,680       | 17,750    | 17,820        | 14,000    | 14,430        | 11,320    | *10,610    | *10,610   | 12.3 m  |
|                                                                                                    | 5 ft lb                              |              |           |              |           | *75,905      | 72,620    | *62,788      | 51,544    | 50,001       | 39,132    | 39,286        | 30,865    | 31,813        | 24,956    | *23,391    | *23,391   | 40.4 ft |
|                                                                                                    | 0 m kg                               |              |           |              |           | *33,050      | 31,770    | *27,250      | 22,420    | 21,990       | 17,090    | 17,410        | 13,600    | *13,370       | 11,190    | *11,240    | 11,050    | 12.1 m  |
|                                                                                                    | 0 ft lb                              |              |           |              |           | *72,863      | 70,041    | *60,076      | 49,428    | 48,480       | 37,677    | 38,382        | 29,983    | *29,476       | 24,670    | *24,780    | 24,361    | 39.7 ft |
|                                                                                                    | -1.5 m kg                            |              |           | *17,550      | *17,550   | *29,750      | *29,750   | *24,810      | 21,990    | *20,450      | 16,760    | *16,460       | 13,440    |               |           | *12,190    | 11,670    | 11.7 m  |
|                                                                                                    | -5 ft lb                             |              |           | *38,691      | *38,691   | *65,587      | *65,587   | *54,697      | 48,480    | *45,084      | 36,949    | *36,288       | 29,630    |               |           | *26,874    | 25,728    | 38.4 ft |
|                                                                                                    | -3 m kg                              |              |           | *26,470      | *26,470   | *24,610      | *24,610   | *21,040      | *21,040   | *17,240      | 16,790    | *12,910       | *12,910   |               |           | *10,420    | *10,420   | 11.0 m  |
|                                                                                                    | -10 ft lb                            |              |           | *58,356      | *58,356   | *54,256      | *54,256   | *46,385      | *46,385   | *38,008      | 37,016    | *28,462       | *28,462   |               |           | *22,972    | *22,972   | 36.1 ft |
|                                                                                                    | -4.5 m kg                            |              |           |              |           |              |           | *15,580      | *15,580   | *12,110      | *12,110   |               |           |               |           |            |           | 10.1 m  |
|                                                                                                    | -15 ft lb                            |              |           |              |           |              |           | *34,348      | *34,348   | *26,698      | *26,698   |               |           |               |           |            |           | 33.1 ft |

Notes: 1. The above loads are in compliance with SAE and ISO Hydraulic Excavator Lift Capacity Standards. 2. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. 3. Rated loads marked with an asterisk (\*) are limited by hydraulic capacity rather than tipping load.

[illegible]

## LIFTING CAPACITY EC750EHR

At the arm end without bucket. For lifting capacity including bucket, simply subtract actual weight of the direct fit bucket or the bucket with quick fit from the following values.

| With Boom extension                                         | Lifting hook related to ground level | 4.5 m, 15 ft |           | 6.0 m, 20 ft |           | 7.5 m, 25 ft |           | 9.0 m, 30 ft |           | 10.5 m, 35 ft |           | 12.0 m, 40 ft |           | 13.5 m, 45 ft |           | 15.0 m, 50 ft |           | 16.5 m, 55 ft |           | Max. reach |           |         |         |         |         |         |  |
|-------------------------------------------------------------|--------------------------------------|--------------|-----------|--------------|-----------|--------------|-----------|--------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|------------|-----------|---------|---------|---------|---------|---------|--|
|                                                             |                                      | Along UC     | Across UC | Along UC     | Across UC | Along UC     | Across UC | Along UC     | Across UC | Along UC      | Across UC | Along UC      | Across UC | Along UC      | Across UC | Along UC      | Across UC | Along UC      | Across UC | Along UC   | Across UC | Max.    |         |         |         |         |  |
| Straight & boom                                             | 18 m                                 | kg           |           |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            | *16,660   | *16,660 | 61 m    |         |         |         |  |
|                                                             | 60 ft                                | lb           |           |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            | *36,729   | *36,729 | 20.0 ft |         |         |         |  |
|                                                             | 16.5 m                               | kg           |           |              |           |              | *16,850   | *16,850      | *13,590   | *13,590       |           |               |           |               |           |               |           |               |           |            | *13,390   | *13,390 | 9.0 m   |         |         |         |  |
|                                                             | 55 ft                                | lb           |           |              |           |              | *37,148   | *37,148      | *29,961   | *29,961       |           |               |           |               |           |               |           |               |           |            | *29,520   | *29,520 | 29.5 ft |         |         |         |  |
|                                                             | 15 m                                 | kg           |           |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            | *11,900   | *11,900 | 11.0 m  |         |         |         |  |
|                                                             | 50 ft                                | lb           |           |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            | *26,235   | *26,235 | 36.1 ft |         |         |         |  |
|                                                             | 13.5 m                               | kg           |           |              |           |              | *15,550   | *15,550      | *16,160   | *16,160       | *16,060   | *16,060       | *13,820   | *13,820       |           |               |           |               |           |            | *11,040   | *11,040 | 12.5 m  |         |         |         |  |
|                                                             | 45 ft                                | lb           |           |              |           |              | *34,282   | *34,282      | *35,627   | *35,627       | *35,406   | *35,406       | *30,468   | *30,468       |           |               |           |               |           |            | *24,339   | *24,339 | 41.0 ft |         |         |         |  |
|                                                             | 12 m                                 | kg           |           |              |           |              | *16,110   | *16,110      | *16,750   | *16,750       | *16,660   | *16,660       | *14,590   | *14,590       | *12,020   | 11,820        |           |               |           |            | *10,520   | *10,520 | 13.7 m  |         |         |         |  |
|                                                             | 40 ft                                | lb           |           |              |           |              | *35,516   | *35,516      | *36,927   | *36,927       | *36,729   | *36,729       | *32,165   | *32,165       | *26,500   | 26,059        |           |               |           |            | *23,193   | *23,193 | 44.9 ft |         |         |         |  |
| Straight boom                                               | 10.5 m                               | kg           |           |              |           | *21,980      | *21,980   | *20,160      | *20,160   | *19,360       | *19,360   | *16,750       | *16,750   | *14,600       | *14,600   | *12,850       | 11,800    |               |           |            |           | *10,200 | 9,800   | 14.6 m  |         |         |  |
|                                                             | 35 ft                                | lb           |           |              |           | *48,458      | *48,458   | *44,445      | *44,445   | *42,681       | *42,681   | *36,927       | *36,927   | *32,187       | *32,187   | *28,329       | 26,015    |               |           |            |           | *22,487 | 21,605  | 47.9 ft |         |         |  |
| Arm                                                         | 9 m                                  | kg           |           |              |           |              | *24,070   | *24,070      | *19,850   | *19,850       | *16,870   | *16,870       | *14,610   | 14,290        | *12,810   | 11,490        | *11,220   | 9,190         |           |            |           |         | *10,040 | 8,680   | 15.3 m  |         |  |
|                                                             | 30 ft                                | lb           |           |              |           |              | *53,065   | *53,065      | *43,762   | *43,762       | *37,192   | *37,192       | *32,209   | 31,504        | *28,241   | 25,331        | *24,736   | 20,260        |           |            |           |         | *22,134 | 19,136  | 50.2 ft |         |  |
| 4.2 m (13'9")                                               | 7.5 m                                | kg           |           |              |           |              |           |              |           | *20,030       | *20,030   | *16,920       | 16,800    | *14,590       | 13,540    | *12,730       | 11,030    | *11,120       | 8,990     |            |           |         |         | *9,980  | 7,880   | 15.9 m  |  |
| Shoe                                                        | 25 ft                                | lb           |           |              |           |              |           |              |           | *44,159       | *44,159   | *37,302       | 37,038    | *32,165       | 29,851    | *28,065       | 24,317    | *24,515       | 19,820    |            |           |         |         | *22,002 | 17,372  | 52.2 ft |  |
| 900 mm (36")                                                | 6 m                                  | kg           |           |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         |         |         |         |  |
|                                                             | 20 ft                                | lb           |           |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         |         |         |         |  |
| Hyd.                                                        | 4.5 m                                | kg           |           |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         |         |         |         |  |
|                                                             | 15 ft                                | lb           |           |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         |         |         |         |  |
| Removal CWT & Add. CWT                                      | 3 m                                  | kg           |           |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         |         |         |         |  |
|                                                             | 10 ft                                | lb           |           |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         |         |         |         |  |
|                                                             | 1.5 m                                | kg           |           |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         |         |         |         |  |
|                                                             | 5 ft                                 | lb           |           |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         |         |         |         |  |
|                                                             | 0 m                                  | kg           |           |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         |         |         |         |  |
|                                                             | 0 ft                                 | lb           |           |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         |         |         |         |  |
|                                                             | -1.5 m                               | kg           |           |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         |         |         |         |  |
|                                                             | -5 ft                                | lb           |           |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         |         |         |         |  |
|                                                             | -3 m                                 | kg           |           |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         |         |         |         |  |
|                                                             | -10 ft                               | lb           |           |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         |         |         |         |  |
| Bent & Bent boom Arm                                        | -4.5 m                               | kg           |           |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         |         |         |         |  |
|                                                             | -15 ft                               | lb           |           |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         |         |         |         |  |
|                                                             | 10.5 m                               | kg           |           |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         |         |         |         |  |
|                                                             | 35 ft                                | lb           |           |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         |         |         |         |  |
|                                                             | 9 m                                  | kg           |           |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         |         |         |         |  |
|                                                             | 30 ft                                | lb           |           |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         |         |         |         |  |
|                                                             | 7.5 m                                | kg           |           |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         |         |         |         |  |
|                                                             | 25 ft                                | lb           |           |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         |         |         |         |  |
|                                                             | 6 m                                  | kg           |           |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         |         |         |         |  |
|                                                             | 20 ft                                | lb           |           |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         |         |         |         |  |
| 4.2 m (13'9") Shoe 750 mm (30") Hyd. Removal CWT & Add. CWT | 4.5 m                                | kg           |           |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         |         |         |         |  |
|                                                             | 15 ft                                | lb           |           |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         |         |         |         |  |
|                                                             | 3 m                                  | kg           |           |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         |         |         |         |  |
|                                                             | 10 ft                                | lb           |           |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         |         |         |         |  |
|                                                             | 1.5 m                                | kg           |           |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         |         |         |         |  |
|                                                             | 5 ft                                 | lb           |           |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         |         |         |         |  |
|                                                             | 0 m                                  | kg           |           |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         |         |         |         |  |
|                                                             | 0 ft                                 | lb           |           |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         |         |         |         |  |
|                                                             | -1.5 m                               | kg           |           |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         |         |         |         |  |

Notes: 1. The above loads are in compliance with SAE and ISO Hydraulic Excavator Lift Capacity Standards. 2. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. 3.

Rated loads marked with an asterisk (\*) are limited by hydraulic capacity rather than tipping load.

# Specifications

## LIFTING CAPACITY EC750EHR

At the arm end without bucket. For lifting capacity including bucket, simply subtract actual weight of the direct fit bucket or the bucket with quick fit from the following values.

| With Boom extension  | Lifting hook related to ground level | 4.5 m, 15 ft |           | 6.0 m, 20 ft |           | 7.5 m, 25 ft |           | 9.0 m, 30 ft |           | 10.5 m, 35 ft |           | 12.0 m, 40 ft |           | 13.5 m, 45 ft |           | 15.0 m, 50 ft |           | 16.5 m, 55 ft |           | Max. reach |           |         |         |         |         |         |         |         |
|----------------------|--------------------------------------|--------------|-----------|--------------|-----------|--------------|-----------|--------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|------------|-----------|---------|---------|---------|---------|---------|---------|---------|
|                      |                                      | Along UC     | Across UC | Along UC     | Across UC | Along UC     | Across UC | Along UC     | Across UC | Along UC      | Across UC | Along UC      | Across UC | Along UC      | Across UC | Along UC      | Across UC | Along UC      | Across UC | Along UC   | Across UC | Max.    |         |         |         |         |         |         |
| Bent & Straight boom | 13.5 m                               | kg           |           |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            | *10,790   | *10,790 | 11.5 m  |         |         |         |         |         |
|                      | 45 ft                                | lb           |           |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           | *23,788 | *23,788 | 37.7 ft |         |         |         |         |
|                      | 12 m                                 | kg           |           |              |           |              |           |              |           |               |           |               | *11,940   | *11,940       |           |               |           |               |           |            |           | *10,320 | *10,320 | 12.7 m  |         |         |         |         |
|                      | 40 ft                                | lb           |           |              |           |              |           |              |           |               |           |               | *26,323   | *26,323       |           |               |           |               |           |            |           | *22,752 | *22,752 | 41.7 ft |         |         |         |         |
|                      | 10.5 m                               | kg           |           |              |           |              |           |              |           |               | *13,240   | *13,240       | *12,000   | *12,000       | *11,120   | *11,120       |           |               |           |            |           | *10,070 | *10,070 | 13.7 m  |         |         |         |         |
|                      | 35 ft                                | lb           |           |              |           |              |           |              |           |               | *29,189   | *29,189       | *26,455   | *26,455       | *24,515   | *24,515       |           |               |           |            |           | *22,201 | *22,201 | 44.9 ft |         |         |         |         |
|                      | 9 m                                  | kg           |           |              |           |              |           |              | *15,670   | *15,670       | *13,670   | *13,670       | *12,230   | *12,230       | *11,160   | *11,160       |           |               |           |            |           | *9,980  | *9,980  | 14.5 m  |         |         |         |         |
|                      | 30 ft                                | lb           |           |              |           |              |           |              | *34,546   | *34,546       | *30,137   | *30,137       | *26,963   | *26,963       | *24,604   | *24,604       |           |               |           |            |           | *22,002 | *22,002 | 47.6 ft |         |         |         |         |
|                      | 7.5 m                                | kg           |           |              |           |              | *20,190   | *20,190      | *16,570   | *16,570       | *14,210   | *14,210       | *12,550   | *12,550       | *11,330   | *11,330       | *10,420   | 9,530         |           |            |           | *10,020 | 9,430   | 15.1 m  |         |         |         |         |
|                      | 25 ft                                | lb           |           |              |           |              | *44,511   | *44,511      | *36,531   | *36,531       | *31,328   | *31,328       | *27,668   | *27,668       | *24,978   | *24,978       | *22,972   | 21,010        |           |            |           | *22,090 | 20,790  | 49.5 ft |         |         |         |         |
|                      | 6 m                                  | kg           |           |              |           |              |           |              | *17,510   | *17,510       | *14,800   | *14,800       | *12,920   | *12,920       | *11,530   | 11,350        | *10,480   | 9,290         |           |            |           | *10,170 | 8,670   | 15.5 m  |         |         |         |         |
|                      | 20 ft                                | lb           |           |              |           |              |           |              | *38,603   | *38,603       | *32,628   | *32,628       | *28,484   | *28,484       | *25,419   | 25,022        | *23,104   | 20,481        |           |            |           | *22,421 | 19,114  | 50.9 ft |         |         |         |         |
|                      | 4.2 m (13'9")                        | 4.5 m        | kg        |              |           |              |           |              |           | *18,320       | *18,320   | *15,330       | *15,330   | *13,260       | 13,040    | *11,740       | 10,810    | *10,560       | 8,970     |            |           |         | *10,060 | 8,140   | 15.7 m  |         |         |         |
|                      | 15 ft                                | lb           |           |              |           |              |           |              | *40,389   | *40,389       | *33,797   | *33,797       | *29,233   | 28,748        | *25,882   | 23,832        | *23,281   | 19,775        |           |            |           | *22,178 | 17,946  | 51.5 ft |         |         |         |         |
|                      | Shoe                                 | 3 m          | kg        |              |           |              |           |              |           | *18,770       | 17,940    | *15,700       | 14,810    | *13,520       | 12,310    | *11,890       | 10,300    | *10,610       | 8,640     |            |           |         | *9,960  | 7,790   | 15.9 m  |         |         |         |
|                      | 750 mm (30")                         | 10 ft        | lb        |              |           |              |           |              |           | *41,381       | 39,551    | *34,613       | 32,650    | *29,806       | 27,139    | *26,213       | 22,708    | *23,391       | 19,048    |            |           |         | *21,958 | 17,174  | 52.2 ft |         |         |         |
|                      | Hyd.                                 | 1.5 m        | kg        |              |           |              |           |              |           | *18,790       | 17,040    | *15,860       | 14,010    | *13,650       | 11,700    | *11,950       | 9,850     | *10,580       | 8,340     |            |           |         | *9,870  | 7,610   | 15.8 m  |         |         |         |
|                      | Removal CWT                          | 5 ft         | lb        |              |           |              |           |              |           | *41,425       | 37,567    | *34,965       | 30,887    | *30,093       | 25,794    | *26,345       | 21,716    | *23,325       | 18,387    |            |           |         | *21,760 | 16,777  | 51.8 ft |         |         |         |
|                      | & Add. CWT                           | 0 m          | kg        |              |           |              |           |              |           | *18,440       | 16,580    | *15,760       | 13,490    | *13,600       | 11,250    | *11,880       | 9,510     | *10,420       | 8,120     |            |           |         | *9,790  | 7,600   | 15.7 m  |         |         |         |
|                      |                                      | 0 ft         | lb        |              |           |              |           |              |           | *40,653       | 36,553    | *34,745       | 29,740    | *29,983       | 24,802    | *26,191       | 20,966    | *22,972       | 17,902    |            |           |         | *21,583 | 16,755  | 51.5 ft |         |         |         |
|                      |                                      | -1.5 m       | kg        |              |           |              |           |              |           | *17,780       | 16,400    | *15,380       | 13,200    | *13,330       | 10,970    | *11,610       | 9,300     | *10,050       | 8,000     |            |           |         | *9,680  | 7,760   | 15.3 m  |         |         |         |
|                      |                                      | -5 ft        | lb        |              |           |              |           |              |           | *39,198       | 36,156    | *33,907       | 29,101    | *29,388       | 24,185    | *25,596       | 20,503    | *22,156       | 17,637    |            |           |         | *21,341 | 17,108  | 50.2 ft |         |         |         |
| -3 m                 |                                      | kg           |           |              |           |              | *18,650   | *18,650      | *16,860   | 16,430        | *14,730   | 13,110        | *12,800   | 10,860        | *11,090   | 9,220         |           |               |           |            |           | *9,510  | 8,130   | 14.8 m  |         |         |         |         |
| -10 ft               |                                      | lb           |           |              |           |              |           |              | *41,116   | *41,116       | *37,170   | 36,222        | *32,474   | 28,903        | *28,219   | 23,942        | *24,449   | 20,327        |           |            |           | *20,966 | 17,924  | 48.6 ft |         |         |         |         |
| -4.5 m               |                                      | kg           |           |              |           |              |           |              |           | *17,130       | *17,130   | *17,230       | *17,230   | *15,620       | *15,620   | *13,750       | 13,200    | *11,940       | 10,920    |            |           |         | *9,250  | 8,770   | 14.2 m  |         |         |         |
| -15 ft               |                                      | lb           |           |              |           |              |           |              |           | *37,765       | *37,765   | *37,986       | *37,986   | *34,436       | *34,436   | *30,314       | 29,101    | *26,323       | 24,074    |            |           |         | *22,443 | 20,547  |         |         |         |         |
| -6 m                 |                                      | kg           |           |              |           |              |           |              |           | *15,610       | *15,610   | *15,340       | *15,340   | *13,990       | *13,990   | *12,350       | *12,350   | *10,610       | *10,610   |            |           |         | *8,790  | *8,790  | 13.3 m  |         |         |         |
| -20 ft               |                                      | lb           |           |              |           |              |           |              |           | *34,414       | *34,414   | *33,819       | *33,819   | *30,843       | *30,843   | *27,227       | *27,227   | *23,391       | *23,391   |            |           |         | *19,379 | *19,379 | 43.6 ft |         |         |         |
| -7.5 m               |                                      | kg           |           |              |           |              |           |              |           | *12,850       | *12,850   | *11,790       | *11,790   | *10,320       | *10,320   | *8,400        | *8,400    |               |           |            |           |         | *8,000  | *8,000  | 12.2 m  |         |         |         |
| -25 ft               |                                      | lb           |           |              |           |              |           |              |           | *28,329       | *28,329   | *25,992       | *25,992   | *22,752       | *22,752   | *18,519       | *18,519   |               |           |            |           |         | *17,637 | *17,637 | 40.0 ft |         |         |         |
| Straight & Bent boom |                                      | 15 m         | kg        |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         | *11,140 | *11,140 | 8.9 m   |         |         |         |
|                      |                                      | 50 ft        | lb        |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         | *24,559 | *24,559 | 29.2 ft |         |         |         |
|                      | 13.5 m                               | kg           |           |              |           |              |           |              |           |               |           |               | *11,360   | *11,360       |           |               |           |               |           |            |           | *10,440 | *10,440 | 10.7 m  |         |         |         |         |
|                      | 45 ft                                | lb           |           |              |           |              |           |              |           |               |           |               | *25,044   | *25,044       |           |               |           |               |           |            |           | *23,016 | *23,016 | 35.1 ft |         |         |         |         |
|                      | 12 m                                 | kg           |           |              |           |              |           |              |           |               |           |               | *15,330   | *15,330       | *10,390   | *10,390       |           |               |           |            |           | *10,100 | *10,100 | 12.0 m  |         |         |         |         |
|                      | 40 ft                                | lb           |           |              |           |              |           |              |           |               |           |               | *37,611   | *37,611       | *33,797   | *33,797       | *22,906   | *22,906       |           |            |           | *22,267 | *22,267 | 39.4 ft |         |         |         |         |
|                      | 10.5 m                               | kg           |           |              |           |              |           |              |           |               |           |               | *18,120   | *18,120       | *15,790   | *15,790       | *14,020   | *14,020       |           |            |           | *9,980  | *9,980  | 13.1 m  |         |         |         |         |
|                      | 35 ft                                | lb           |           |              |           |              |           |              |           |               |           |               | *39,948   | *39,948       | *34,811   | *34,811       | *30,909   | *30,909       |           |            |           | *22,002 | *22,002 | 43.0 ft |         |         |         |         |
|                      | 9 m                                  | kg           |           |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         | *10,020 | *10,020 | 13.9 m  |         |         |         |
|                      | 30 ft                                | lb           |           |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         | *22,090 | *22,090 | 45.6 ft |         |         |         |
|                      | 7.5 m                                | kg           |           |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         | *10,200 | 10,120  | 14.5 m  |         |         |         |
|                      | Arm                                  | 25 ft        | lb        |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         | *22,487 | 22,311  | 47.6 ft |         |         |
|                      | 4.2 m (13'9")                        | 6 m          | kg        |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         | *10,500 | 9,230   | 14.9 m  |         |         |
|                      | 20 ft                                | lb           |           |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         | *23,149 | 20,349  | 48.9 ft |         |         |
|                      | Shoe                                 | 4.5 m        | kg        |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         |         | *10,830 | 8,600   | 15.2 m  |         |
|                      | 750 mm (30")                         | 15 ft        | lb        |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         |         | *23,876 | 18,960  | 49.9 ft |         |
|                      | Hyd.                                 | 3 m          | kg        |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         |         | *10,470 | 8,180   | 15.3 m  |         |
|                      | Removal CWT                          | 10 ft        | lb        |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         |         | *23,082 | 18,034  | 50.2 ft |         |
|                      | & Add. CWT                           | 1.5 m        | kg        |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         |         |         | *10,100 | 7,960   | 15.3 m  |
|                      |                                      | 5 ft         | lb        |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         |         |         | *22,267 | 17,549  | 50.2 ft |
|                      |                                      | 0 m          | kg        |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         |         |         | *9,700  | 7,920   | 15.1 m  |
|                      |                                      | 0 ft         | lb        |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         |         |         | *21,385 | 17,461  | 49.5 ft |
| -1.5 m               |                                      | kg           |           |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         |         | *9,220  | 8,070   | 14.8 m  |         |
| -5 ft                |                                      | lb           |           |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         |         | *20,327 | 17,791  | 48.6 ft |         |
| -3 m                 |                                      | kg           |           |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         |         | *8,610  | 8,460   | 14.3 m  |         |
| -10 ft               |                                      | lb           |           |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         |         | *18,982 | 18,651  | 46.9 ft |         |
| -4.5 m               |                                      | kg           |           |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         |         | *7,770  | *7,770  | 13.6 m  |         |
| -15 ft               |                                      | lb           |           |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         |         | *17,130 | *17,130 | 44.6 ft |         |
| -6 m                 |                                      | kg           |           |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         |         |         | *6,550  | *6,550  | 12.7 m  |
| -20 ft               |                                      | lb           |           |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         |         |         | *14,440 | *14,440 | 41.7 ft |

## LIFTING CAPACITY EC750EHR

At the arm end without bucket. For lifting capacity including bucket, simply subtract actual weight of the direct fit bucket or the bucket with quick fit from the following values.

| With Boom extension                | Lifting hook related to ground level | 4.5 m, 15 ft |           | 6.0 m, 20 ft |           | 7.5 m, 25 ft |           | 9.0 m, 30 ft |           | 10.5 m, 35 ft |           | 12.0 m, 40 ft |           | 13.5 m, 45 ft |           | 15.0 m, 50 ft |           | 16.5 m, 55 ft |           | Max. reach |           |         |         |         |         |         |         |         |         |        |
|------------------------------------|--------------------------------------|--------------|-----------|--------------|-----------|--------------|-----------|--------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|------------|-----------|---------|---------|---------|---------|---------|---------|---------|---------|--------|
|                                    |                                      | Along UC     | Across UC | Along UC     | Across UC | Along UC     | Across UC | Along UC     | Across UC | Along UC      | Across UC | Along UC      | Across UC | Along UC      | Across UC | Along UC      | Across UC | Along UC      | Across UC | Along UC   | Across UC | Max.    |         |         |         |         |         |         |         |        |
| Straight &                         | 18 m                                 | kg           |           |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            | *16,660   | *16,660 | 61m     |         |         |         |         |         |         |        |
|                                    | 60 ft                                | lb           |           |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            | *36,729   | *36,729 | 20.0ft  |         |         |         |         |         |         |        |
|                                    | 16.5 m                               | kg           |           |              |           |              | *16,850   | *16,850      | *13,590   | *13,590       |           |               |           |               |           |               |           |               |           |            | *13,390   | *13,390 | 9.0m    |         |         |         |         |         |         |        |
|                                    | 55 ft                                | lb           |           |              |           |              | *37,148   | *37,148      | *29,961   | *29,961       |           |               |           |               |           |               |           |               |           |            | *29,520   | *29,520 | 29.5ft  |         |         |         |         |         |         |        |
|                                    | 15 m                                 | kg           |           |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            | *11,900   | *11,900 | 11.0m   |         |         |         |         |         |         |        |
|                                    | 50 ft                                | lb           |           |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            | *26,235   | *26,235 | 36.1ft  |         |         |         |         |         |         |        |
|                                    | 13.5 m                               | kg           |           |              |           |              | *15,550   | *15,550      | *16,160   | *16,160       | *16,060   | *16,060       | *13,820   | *13,820       |           |               |           |               |           |            | *11,040   | *11,040 | 12.5m   |         |         |         |         |         |         |        |
|                                    | 45 ft                                | lb           |           |              |           |              | *34,282   | *34,282      | *35,627   | *35,627       | *35,406   | *35,406       | *30,468   | *30,468       |           |               |           |               |           |            | *24,339   | *24,339 | 41.0ft  |         |         |         |         |         |         |        |
|                                    | 12 m                                 | kg           |           |              |           |              | *16,110   | *16,110      | *16,750   | *16,750       | *16,660   | *16,660       | *14,590   | *14,590       | *12,020   | 11,820        |           |               |           |            | *10,520   | *10,520 | 13.7m   |         |         |         |         |         |         |        |
|                                    | 40 ft                                | lb           |           |              |           |              | *35,516   | *35,516      | *36,927   | *36,927       | *36,729   | *36,729       | *32,165   | *32,165       | *26,500   | 26,059        |           |               |           |            | *23,193   | *23,193 | 44.9ft  |         |         |         |         |         |         |        |
| Straight boom                      | 10.5 m                               | kg           |           |              |           | *21,980      | *21,980   | *20,160      | *20,160   | *19,360       | *19,360   | *16,750       | *16,750   | *14,600       | *14,600   | *12,850       | 11,800    |               |           |            |           | *10,200 | 9,800   | 14.6m   |         |         |         |         |         |        |
|                                    | 35 ft                                | lb           |           |              |           |              | *48,458   | *48,458      | *44,445   | *44,445       | *42,681   | *42,681       | *36,927   | *36,927       | *32,187   | *32,187       | *28,329   | 26,015        |           |            |           |         | *22,487 | 21,605  | 47.9ft  |         |         |         |         |        |
| Arm                                | 9 m                                  | kg           |           |              |           |              | *24,070   | *24,070      | *19,850   | *19,850       | *16,870   | *16,870       | *14,610   | 14,290        | *12,810   | 11,490        | *11,220   | 9,190         |           |            |           |         | *10,040 | 8,680   | 15.3m   |         |         |         |         |        |
|                                    | 30 ft                                | lb           |           |              |           |              | *53,065   | *53,065      | *43,762   | *43,762       | *37,192   | *37,192       | *32,209   | 31,504        | *28,241   | 25,331        | *24,736   | 20,260        |           |            |           |         | *22,134 | 19,136  | 50.2ft  |         |         |         |         |        |
| 4.2 m (13'9")                      | 7.5 m                                | kg           |           |              |           |              |           |              |           | *20,030       | *20,030   | *16,920       | 16,800    | *14,590       | 13,540    | *12,730       | 11,030    | *11,120       | 8,990     |            |           |         |         | *9,980  | 7,880   | 15.9m   |         |         |         |        |
|                                    | 25 ft                                | lb           |           |              |           |              |           |              |           | *44,159       | *44,159   | *37,302       | 37,038    | *32,165       | 29,851    | *28,065       | 24,317    | *24,515       | 19,820    |            |           |         |         | *22,002 | 17,372  | 52.2ft  |         |         |         |        |
| 750 mm (30")                       | 6 m                                  | kg           |           |              |           |              |           |              |           |               |           |               |           | *16,820       | 15,550    | *14,460       | 12,730    | *12,570       | 10,500    | *10,940    | 8,690     |         |         |         | *9,490  | 7,310   | 16.3m   |         |         |        |
|                                    | 20 ft                                | lb           |           |              |           |              |           |              |           |               |           |               |           | *37,082       | 34,282    | *31,879       | 28,065    | *27,712       | 23,149    | *24,119    | 19,158    |         |         |         | *20,922 | 16,116  | 53.5ft  |         |         |        |
| Hyd.                               | 4.5 m                                | kg           |           |              |           |              |           |              |           |               |           |               |           | *16,460       | 14,410    | *14,180       | 11,960    | *12,300       | 9,980     | *10,660    | 8,350     | *8,910  | 6,960   |         |         | *8,870  | 6,930   | 16.5m   |         |        |
|                                    | 15 ft                                | lb           |           |              |           |              |           |              |           |               |           |               |           | *36,288       | 31,769    | *31,262       | 26,367    | *27,117       | 22,002    | *23,501    | 18,409    | *19,643 | 15,344  |         |         | *19,555 | 15,278  | 54.1ft  |         |        |
| Removal CWT                        | 3 m                                  | kg           |           |              |           |              |           |              |           |               |           |               |           | *15,760       | 13,500    | *13,680       | 11,290    | *11,870       | 9,510     | *10,230    | 8,040     | *8,460  | 6,800   |         |         | *8,240  | 6,700   | 16.6m   |         |        |
|                                    | 10 ft                                | lb           |           |              |           |              |           |              |           |               |           |               |           | *34,745       | 29,762    | *30,159       | 24,890    | *26,169       | 20,966    | *22,553    | 17,725    | *18,651 | 14,991  |         |         | *18,166 | 14,771  | 54.5ft  |         |        |
| & Add. CWT                         | 1.5 m                                | kg           |           |              |           |              |           |              |           |               |           |               |           | *14,710       | 12,890    | *12,930       | 10,790    | *11,240       | 9,130     | *9,630     | 7,780     | *7,760  | 6,680   |         |         | *7,570  | 6,610   | 16.6m   |         |        |
|                                    | 5 ft                                 | lb           |           |              |           |              |           |              |           |               |           |               |           | *32,430       | 28,418    | *28,506       | 23,788    | *24,780       | 20,128    | *21,230    | 17,152    | *17,108 | 14,727  |         |         | *16,689 | 14,573  | 54.5ft  |         |        |
|                                    | 0 m                                  | kg           |           |              |           |              |           |              |           |               |           |               |           | *13,330       | 12,560    | *11,900       | 10,460    | *10,360       | 8,870     | *8,790     | 7,610     |         |         |         | *6,810  | 6,660   | 16.4m   |         |         |        |
|                                    | 0 ft                                 | lb           |           |              |           |              |           |              |           |               |           |               |           | *29,388       | 27,690    | *26,235       | 23,060    | *22,840       | 19,555    | *19,379    | 16,777    |         |         |         | *15,013 | 14,683  | 53.8ft  |         |         |        |
|                                    | -1.5 m                               | kg           |           |              |           |              |           |              |           |               |           |               |           | *11,670       | *11,670   | *10,580       | 10,310    | *9,210        | 8,740     | *7,650     | 7,540     |         |         |         | *5,930  | *5,930  | 16.1m   |         |         |        |
|                                    | -5 ft                                | lb           |           |              |           |              |           |              |           |               |           |               |           | *25,816       | *25,816   | *25,728       | *25,728   | *23,325       | 22,730    | *20,305    | 19,268    | *16,865 | 16,623  |         |         | *13,073 | *13,073 | 52.8ft  |         |        |
|                                    | -3 m                                 | kg           |           |              |           |              |           |              |           |               |           |               |           | *9,460        | *9,460    | *9,710        | *9,710    | *8,930        | *8,930    | *7,710     | *7,710    | *6,070  | *6,070  |         |         | *4,870  | *4,870  | 15.7m   |         |        |
|                                    | -10 ft                               | lb           |           |              |           |              |           |              |           |               |           |               |           | *20,856       | *20,856   | *21,407       | *21,407   | *19,687       | *19,687   | *16,998    | *16,998   | *13,382 | *13,382 |         |         | *10,736 | *10,736 | 51.5ft  |         |        |
|                                    | -4.5 m                               | kg           |           |              |           |              |           |              |           |               |           |               |           | *7,420        | *7,420    | *6,900        | *6,900    | *5,770        | *5,770    | *3,670     | *3,670    |         |         |         | *3,530  | *3,530  | 15.1m   |         |         |        |
|                                    | -15 ft                               | lb           |           |              |           |              |           |              |           |               |           |               |           | *16,358       | *16,358   | *15,212       | *15,212   | *12,721       | *12,721   | *8,091     | *8,091    |         |         |         | *7,782  | *7,782  | 49.5ft  |         |         |        |
| Bent & Bent boom Arm 4.2 m (13'9") | 10.5 m                               | kg           |           |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         |         |         |         | *9,980  | *9,980  | 11.8m   |        |
|                                    | 35 ft                                | lb           |           |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         |         |         |         | *22,002 | *22,002 | 38.7ft  |        |
|                                    | 9 m                                  | kg           |           |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         |         |         |         | *10,090 | *10,090 | 12.7m   |        |
|                                    | 30 ft                                | lb           |           |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         |         |         |         | *22,245 | *22,245 | 41.7ft  |        |
|                                    | 7.5 m                                | kg           |           |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         |         |         |         | *10,360 | *10,360 | 13.3m   |        |
|                                    | 25 ft                                | lb           |           |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         |         |         |         | *22,840 | *22,840 | 43.6ft  |        |
|                                    | 6 m                                  | kg           |           |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         |         |         |         | *10,800 | *10,800 | 13.8m   |        |
|                                    | 20 ft                                | lb           |           |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         |         |         |         | *23,810 | *23,810 | 45.3ft  |        |
|                                    | 4.5 m                                | kg           |           |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         |         |         |         | *11,150 | 10,580  | 14.1m   |        |
|                                    | 15 ft                                | lb           |           |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         |         |         |         | *24,582 | 23,325  | 46.3ft  |        |
|                                    | 3 m                                  | kg           |           |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         |         |         |         | *11,310 | 9,990   | 14.2m   |        |
|                                    | 10 ft                                | lb           |           |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         |         |         |         | *24,934 | 22,024  | 46.6ft  |        |
|                                    | 1.5 m                                | kg           |           |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         |         |         |         | *11,530 | 9,630   | 14.2m   |        |
|                                    | Shoe 650 mm (26")                    | 5 ft         | lb        |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         |         |         |         |         | *25,419 | 21,230  | 46.6ft |
|                                    |                                      | 0 m          | kg        |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         |         |         |         |         | *11,800 | 9,520   | 14.0m  |
|                                    |                                      | 0 ft         | lb        |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         |         |         |         |         | *26,015 | 20,988  | 45.9ft |
|                                    | Hyd.                                 | -1.5 m       | kg        |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         |         |         |         |         | *12,130 | 9,650   | 13.6m  |
|                                    |                                      | -5 ft        | lb        |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         |         |         |         |         | *26,742 | 21,275  | 44.6ft |
|                                    | Removal CWT                          | -3 m         | kg        |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         |         |         |         |         | *12,490 | 10,090  | 13.1m  |
|                                    |                                      | -10 ft       | lb        |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         |         |         |         |         | *27,536 | 22,245  | 43.0ft |
|                                    | & Add. CWT                           | -4.5 m       | kg        |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         |         |         |         |         | *12,870 | 10,950  | 12.3m  |
|                                    |                                      | -15 ft       | lb        |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         |         |         |         |         | *28,373 | 24,141  | 40.4ft |
|                                    |                                      | -6 m         | kg        |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         |         |         |         |         | *13,240 | 12,500  | 11.3m  |
|                                    |                                      | -20 ft       | lb        |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         |         |         |         |         | *29,189 | 27,558  | 37.1ft |
|                                    |                                      | -7.5 m       | kg        |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         |         |         |         |         | *13,480 | *13,480 | 10.0m  |
|                                    |                                      | -25 ft       | lb        |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         |         |         |         |         | *29,718 | *29,718 | 32.8ft |
|                                    |                                      | -9 m         | kg        |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         |         |         |         |         | *13,250 | *13,250 | 8.2m   |
|                                    |                                      | -30 ft       | lb        |              |           |              |           |              |           |               |           |               |           |               |           |               |           |               |           |            |           |         |         |         |         |         |         | *29,211 | *29,211 | 26.9ft |

Notes: 1. The above loads are in compliance with SAE and ISO Hydraulic Excavator Lift Capacity Standards. 2. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. 3.

Rated loads marked with an asterisk (\*) are limited by hydraulic capacity rather than tipping load.

## LIFTING CAPACITY EC750EHR

[illegible]

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# Equipment

## STANDARD EQUIPMENT EC380EHR, EC480EHR, EC750EHR

### Engine

|                                                                                                                                  |
|----------------------------------------------------------------------------------------------------------------------------------|
| Turbocharged, 4 stroke diesel engine with water cooling, direct injection and charged air cooler that meets Tier4f requirements. |
| Air intake heater                                                                                                                |
| Fuel filter and water separator                                                                                                  |
| Fuel filler pump: 50 l/min (13.2 gal/min) , with automatic shut-off                                                              |
| Alternator, 80 A                                                                                                                 |
| Precleaner, Cyclone                                                                                                              |
| Block heater: 120 V, 240 V                                                                                                       |
| Water separator with heater                                                                                                      |

### Electric/Electronic control system

|                                                          |
|----------------------------------------------------------|
| Contronics                                               |
| Advanced mode control system                             |
| Self-diagnostic system                                   |
| Machine status indication                                |
| Engine speed sensing power control                       |
| Automatic idling system                                  |
| One-touch power boost                                    |
| Safety stop/start function                               |
| Adjustable two LCD color monitors                        |
| Master electrical disconnect switch                      |
| Engine restart prevention circuit                        |
| High-capacity halogen lights(Optional selection to LED): |
| Frame-mounted 2                                          |
| Boom-mounted 4                                           |
| Batteries, 2 x 12 V / 200 Ah                             |
| Start motor, 24 V / 7 kW                                 |
| CareTrack                                                |
| Engine emergency stop switch                             |
| Overload Warning (TMI & Slew limitation)                 |
| Extra lights(halogen or LED):                            |
| Cab mounted x2 (front) x1 (rear)                         |
| Counterweight mounted x1                                 |
| Travel alarm                                             |
| Rotating warning beacon                                  |
| Side view camera                                         |
| Front camera for demolition                              |
| Rear view camera on counterweight                        |
| Cleaning air gun                                         |
| Dust suppression system                                  |

### Hydraulic system

|                                                              |
|--------------------------------------------------------------|
| Hose rupture valve for UHR:                                  |
| boom cylinder and arm                                        |
| Hydraulic piping:                                            |
| Work tool management system (Up to 20 programmable memories) |
| Grapple for digging boom                                     |
| Quick fit piping for digging boom                            |
| Hammer & shear:                                              |
| Two pump flow                                                |
| Slope & rotorator                                            |
| Oil leak (drain) line                                        |
| Quick fit piping                                             |
| Additional return filter                                     |
| Overload warning device                                      |
| Automatic sensing hydraulic system                           |
| Summation system                                             |
| Boom priority                                                |
| Arm priority                                                 |
| Swing priority                                               |
| Boom and arm regeneration valves                             |
| Slew anti-rebound valves                                     |
| Boom and arm holding valves                                  |
| Multi-stage filtering system                                 |
| Cylinder cushioning                                          |
| Cylinder contamination seals                                 |
| Auxiliary hydraulic valve                                    |
| Automatic two-speed travel motors                            |
| Hydraulic oil, ISO VG 46                                     |
| Straight travel pedal                                        |
| Boom cylinder guard                                          |
| Bucket cylinder guard                                        |

### Superstructure

|                                                                                           |
|-------------------------------------------------------------------------------------------|
| Full height counterweight: 7,250 kg (15,984 lb) (EC380EHR)                                |
| Full height counterweight: 9,750 kg (21,495 lb) (EC480EHR)                                |
| Full height counterweight: 11,200 kg (24,692 lb) (EC750EHR)                               |
| Additional counterweight for high reach: 2,750 kg (6,063 lb) (EC380EHR)                   |
| Additional counterweight for high reach: 3,350 kg (7,385 lb) (EC480EHR manual CWT)        |
| Additional counterweight for high reach: 3,500 kg (7,716 lb) (EC480EHR hyd removable CWT) |
| Additional counterweight for high reach: 4,186 kg (9,229 lb) (EC750EHR hyd removable CWT) |
| HD undercover plate (8 mm / 0.31 in)                                                      |
| HD double thickness side doors with micro mesh                                            |
| Access way with handrail                                                                  |
| Punched metal anti-slip plates                                                            |
| Tool storage area                                                                         |
| Side Impact Protection System                                                             |
| Side walk-way for tilting cab                                                             |

## STANDARD EQUIPMENT EC380EHR, EC480EHR, EC750EHR

### Undercarriage

|                                                    |
|----------------------------------------------------|
| Fixed undercarriage (EC380EHR and EC480EHR)        |
| Hydraulically retractable undercarriage (EC750EHR) |
| Swing ring guard                                   |
| HD Undercover plate (10 mm / 0.39 in)              |
| Hydraulic track adjusters                          |
| Greased and sealed track link                      |
| Standard track guards                              |
| Foot support bar                                   |

### Tilting cab, and interior

|                                                             |
|-------------------------------------------------------------|
| Tilting cab                                                 |
| Control Joystick with 3 switch & 1 prop. control            |
| Air-conditioner climate control                             |
| Silicon oil and rubber mounts with spring                   |
| Adjustable operator seat and joystick control console       |
| AM/FM stereo with CD Player and MP3 input with bluetooth    |
| Flexible antenna                                            |
| Hydraulic safety lock lever                                 |
| Cab, all-weather sound suppressed, includes:                |
| Cup holder                                                  |
| Door locks                                                  |
| Tinted glass                                                |
| Floor mat                                                   |
| Horn                                                        |
| Large storage area                                          |
| Seat belt, 3 inch retractable                               |
| Safety glass(front and side)                                |
| LEXAN glass(roof)                                           |
| Sun shields, front, roof, rear                              |
| Windshield wipers with intermittent feature(front and roof) |
| Master key                                                  |
| Frame mounted Falling object guard (FOG)                    |
| Pilot control pattern change                                |
| Hepa filter                                                 |

### Track shoes

|                                              |
|----------------------------------------------|
| 750 mm (30") double grouser shoes (EC750EHR) |
|----------------------------------------------|

### Digging equipment

|                                                                     |
|---------------------------------------------------------------------|
| Digging boom Straight 6.8 m (22'4") / Bent 6.5 m (21'4") (EC380EHR) |
| Arm: 3.2 m (10'6") / 3.9 m (12'10") (EC380EHR)                      |
| Digging boom Straight 7.5 m (24'7") / Bent 7.0 m (23'0") (EC480EHR) |
| Arm: 3.35 m (11'0") / 3.9 m (12'10") (EC480EHR)                     |
| Digging boom Straight 8.3 m (27'3") / Bent 7.7 m (25'3") (EC750EHR) |
| Arm: 4.2 m (13'9") (EC750EHR)                                       |
| Boom extension 3.0 m (9'10") (EC380EHR)                             |
| Boom extension 3.4m (11'2") (EC480EHR)                              |
| Boom extension 4.0 m (13'1") (EC750EHR)                             |
| Manual centralized lubrication                                      |

### High reach

|                                             |
|---------------------------------------------|
| Boom HR-3 piece: 23 m (75.5 ft) (EC380EHR)  |
| Boom HR-3 piece: 28 m (91.9 ft) (EC480EHR)  |
| Boom HR-3 piece: 26 m (85.3 ft) (EC750EHR)  |
| Boom HR-3 piece: 36 m (118.1 ft) (EC750EHR) |

### Service

|                             |
|-----------------------------|
| Tool kit, daily maintenance |
|-----------------------------|

## OPTIONAL EQUIPMENT EC380EHR, EC480EHR, EC750EHR

### Engine

|                                                |
|------------------------------------------------|
| Oil bath pre-cleaner                           |
| Diesel coolant heater ,10kW                    |
| Reversible cooling fan (EC380EHR and EC480EHR) |

### Electric/Electronic control system

|                   |
|-------------------|
| Anti-theft system |
|-------------------|

### Hydraulic system

|                                                                             |
|-----------------------------------------------------------------------------|
| Hose rupture valve for digging boom : Arm                                   |
| Volvo hydraulic quick fit, (SQF S3,VQC-HU,DR38) for digging boom (EC380EHR) |
| Volvo hydraulic quick fit, (SQF S3,VQC-HU,DR48) for digging boom (EC480EHR) |
| Hydraulic oil, ISO VG 32, 68                                                |
| Hydraulic oil, biodegradable 46                                             |
| Hydraulic oil, longlife oil 32, 46, 68                                      |

### Tilting cab, and interior

|                                                |
|------------------------------------------------|
| Smoker kit (ashtray & lighter)                 |
| Specific key                                   |
| Luxury seat with wider armrest and ventilation |

### Undercarriage

|                                                   |
|---------------------------------------------------|
| Hydraulically retractable undercarriage           |
| Mechanically retractable undercarriage (EC480EHR) |
| Full track guards                                 |

### Track shoes

|                                                                                   |
|-----------------------------------------------------------------------------------|
| 600/700/800/900 mm (24"/28"/32"/36") triple grouser shoes (EC380EHR and EC480EHR) |
| 600 mm (24") double grouser shoes (EC380EHR and EC480EHR)                         |
| 650/900 mm (26"/36") double grouser shoes (EC750EHR)                              |

### Service

|                      |
|----------------------|
| Spare parts          |
| Tool kit, full scale |

Not all products are available in all markets. Under our policy of continuous improvement, we reserve the right to change specifications and design without prior notice. The illustrations do not necessarily show the standard version of the machine.

**VOLVO**

**Volvo Construction Equipment**

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