

**V O L V O**



Volvo Electric Crawler Excavator 21.6 - 26.2 t / 47,540 - 57,680 lb

# **EC230 ELECTRIC**

Volvo Construction Equipment

# EC230 ELECTRIC

A general-purpose machine that will lower your total cost of ownership thanks to being electric.



# Quiet sustainable power

This is a general-purpose machine designed for extraction, earthmoving and grading for site preparation as well as waste- and scrap handling. The EC230 Electric is based on the conventional diesel-powered EC230, and will deliver the same performance, if not better, with the added benefits of zero emissions, low noise, and low total cost of ownership.



## Charging facts

- Operating time 7 to 8 hrs depending on application
- Fully compatible with a CCS 1-Plug
- 600 V Platform
- North America charging machine capacity: Max 250 kw
- Volvo Cube Battery



## Productivity

- Low vibrations and noise for operator
- Boom float function
- Volvo Smart View
- Attachment Management System



## Functions and options

- Dynamic rpm control (DRC) mode
- Cooling capacity (47°) and reversible fan
- Ready to run - battery pre-heating/cooling
- Parking climate function
- Auto lubrication system (ALS)
- Lower wiper, air gun & tool box-storage



## Serviceability

- Maintenance-free electric motor
- No engine-related components and maintenance requirements
- Ground-level service access
- Newly designed electric control cabinet-positioned on the side of upper frame



## A clean, smart choice

- No engine-related consumables
- A zero-emission, quiet power source that can work in low carbon zones
- Ability to work indoor and noise sensitive areas
- Work a full shift thanks to fast charge time

# Volvo EC230 Electric in detail

## Battery

|   |                               |           |
|---|-------------------------------|-----------|
| Battery Type                                  | Lithium-ion (NCA)             |           |
| Battery Voltage                               | V                             | 650       |
| Battery capacity (full package)               | kWh                           | 450       |
|   | Ah                            | 689       |
| Indicative runtime (depending on application) | hours                         | 7-8       |
| DC charging capacity                          | kW                            | up to 250 |
| Charging protocol                             | CCS1                          |           |
| Operating ambient temperature                 | -25 to 47°C<br>(-13 to 117°F) |           |

## Electrical Motor

|                          |  |           |
|--------------------------|--|-----------|
| Motor type               | PMSM<br>(Permanent Magnet Synchronous Motor) |           |
| Motor power (peak)       | kW (hp)                                      | 160 (215) |
| Motor power (continuous) | kW (hp)                                      | 110 (148) |

## Electrical system

Well protected high-capacity electrical system. 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.

|                  |    |        |
|------------------|----|--------|
| Voltage          | V  | 24     |
| Batteries        | V  | 2 x 12 |
| Battery capacity | Ah | 40     |

## Travel System

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.

|                          |             |              |
|--------------------------|-------------|--------------|
| Max. drawbar pull        | kN (lbf)    | 178 (40,016) |
| Max. travel speed (low)  | km/h (mi/h) | 3.4 (2.1)    |
| Max. travel speed (high) | km/h (mi/h) | 5.6 (3.5)    |
| Gradeability             | °           | 35           |

## Swing system

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

|                  |              |               |
|------------------|--------------|---------------|
| Max. slew speed  | r/min        | 11.5          |
| Max. slew torque | kNm (ft lbf) | 83.3 (61,430) |

## Service Refill

|                         |         |                 |
|-------------------------|---------|-----------------|
| Hydraulic system, total | l (gal) | 240 (63)        |
| Hydraulic tank          | l (gal) | 120 (32)        |
| Electric Motor Coolant  | l (gal) | 2.3 (1)         |
| Engine coolant          | l (gal) | 42 (11)         |
| Slew reduction unit     | l (gal) | 4 (1)           |
| Travel reduction unit   | l (gal) | 2 x 3.5 (2 x 1) |

## Cab

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. The front windshield can easily slide up into the ceiling, and the lower front glass can be removed and stored in the side door.

## Sound Level

|   |    |    |
|---|----|----|
| Sound level in cab according to ISO 6396                                    |    |    |
| L <sub>pA</sub>   | dB | 68 |
| External sound level according to ISO 6395, EU Noise Directive (2000/14/EC) |    |    |
| L <sub>WA</sub>   | dB | 96 |

## Undercarriage and structures

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

|                                 |         |  |
|---------------------------------|---------|--|
| Track shoes                     |         | 2 x 49   |
| Link pitch                      | mm (in) | 190 (7.5)  |
| Shoe width                      | mm (in) | 600 (24)   |
| Shoe width, triple grouser      | mm (in) | 500 / 600 / 700<br>/ 800 / 900<br>(20 / 24 / 28 / 32 / 36) |
| Shoe width, triple grouser (HD) | mm (in) | 600 (24)   |
| Shoe width, double grouser      | mm (in) | 700 (28)   |
| Bottom rollers                  |         | 2 x 8  |
| Top rollers                     |         | 2 x 2  |

## 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 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.

**Auto warm up:** Hydraulic oil temperature can be set below the threshold that has been set.

**Creep mode:** Lower travel speed (10%~50% of 1st full speed) can be set by creep switch on.

**Holding valves:** Boom and arm holding valves prevent the digging equipment from creeping.

### Main pump: 2 x Variable displacement axial piston pumps

|              |                 |                  |
|--------------|-----------------|------------------|
| Maximum flow | l/min (gal/min) | 2 x 208 (2 x 55) |
|--------------|-----------------|------------------|

### Pilot pump: Gear pump

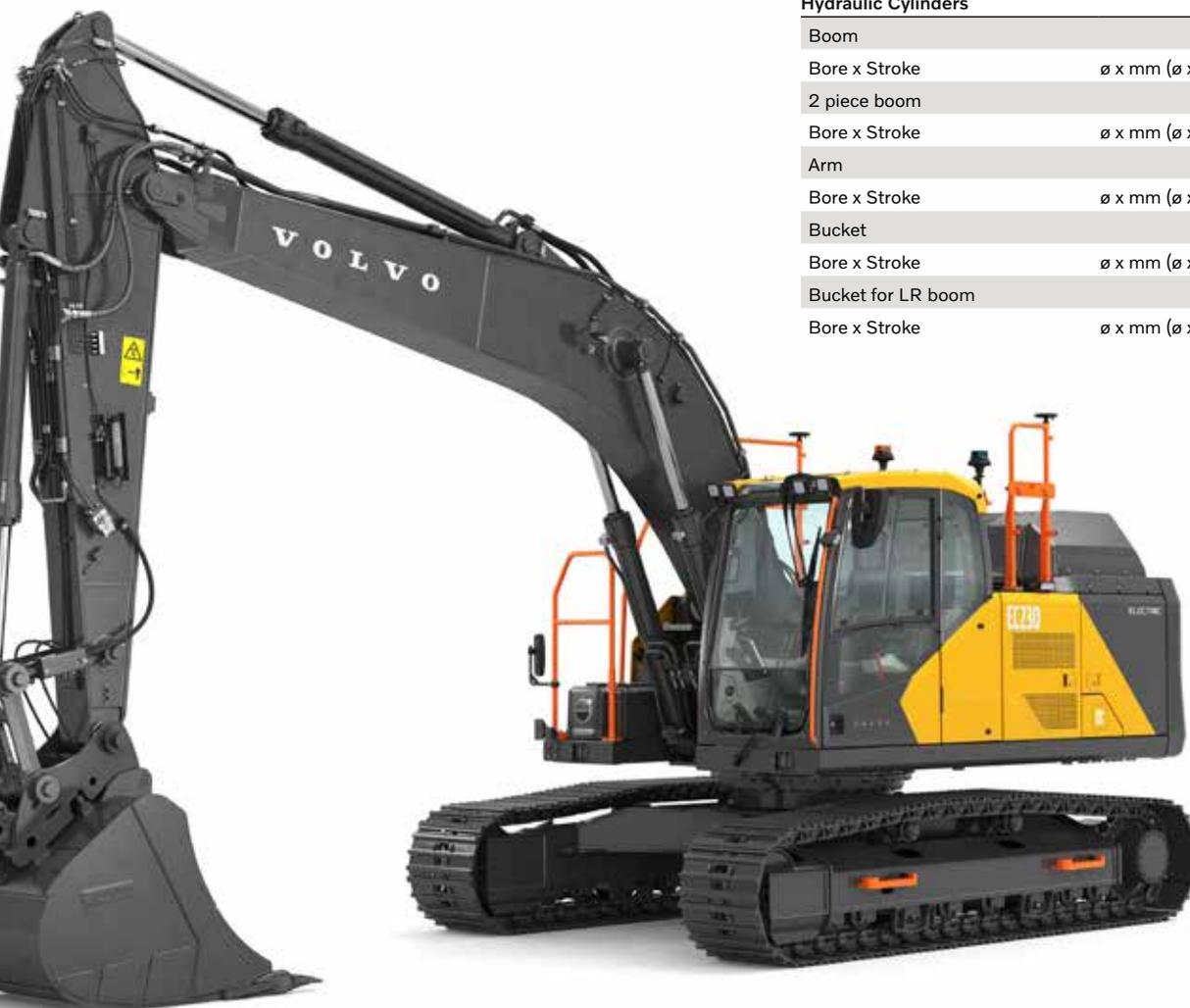
|              |                 |                |
|--------------|-----------------|----------------|
| Maximum flow | l/min (gal/min) | 1 x 16 (1 x 4) |
|--------------|-----------------|----------------|

### Max. pressure

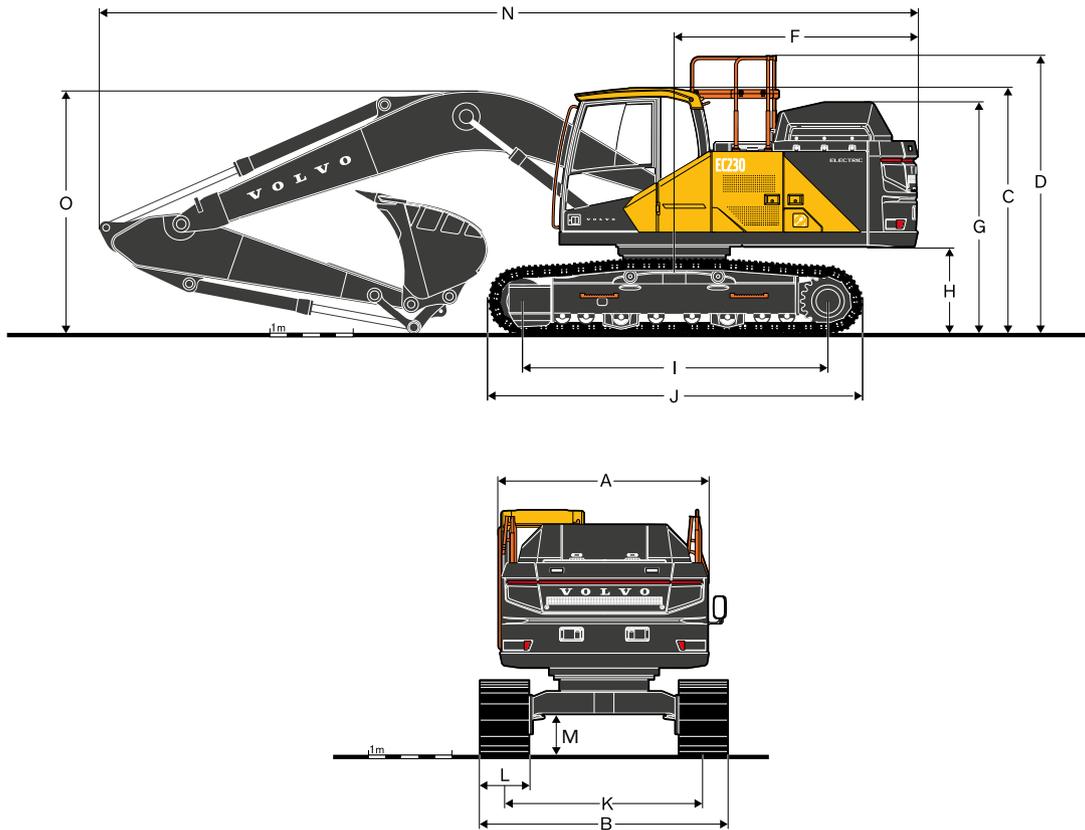
|                |           |                                |
|----------------|-----------|--------------------------------|
| Implement      | MPa (psi) | 34.3 / 36.3<br>(4,975 / 5,265) |
| Travel circuit | MPa (psi) | 34.3 (4,975)                   |
| Slew circuit   | MPa (psi) | 29.5 (4,279)                   |
| Pilot circuit  | MPa (psi) | 3.9 (57.0)                     |

## Hydraulic Cylinders

|                    |                 |                          |
|--------------------|-----------------|--------------------------|
| Boom               |                 | 2                        |
| Bore x Stroke      | ø x mm (ø x in) | 125 x 1 235 (4.9 x 48.6) |
| 2 piece boom       |                 | 1                        |
| Bore x Stroke      | ø x mm (ø x in) | 160 x 1 070 (6.3 x 42.1) |
| Arm                |                 | 1                        |
| Bore x Stroke      | ø x mm (ø x in) | 135 x 1 540 (5.3 x 60.6) |
| Bucket             |                 | 1                        |
| Bore x Stroke      | ø x mm (ø x in) | 120 x 1 065 (4.7 x 41.9) |
| Bucket for LR boom |                 | 1                        |
| Bore x Stroke      | ø x mm (ø x in) | 100 x 865 (3.9 x 34.1)   |



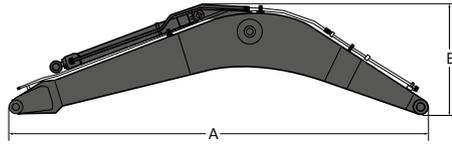
# Specifications



## DIMENSIONS

|                                     | Unit      |       | EC230F Electric L          |                   |                  |                  |                  |                  |                  |                  |
|-------------------------------------|-----------|-------|----------------------------|-------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|                                     | m (ft in) |       | 5.7 (18'8") / 5.57 (18'3") |                   |                  |                  |                  |                  |                  |                  |
| Boom                                | m         | ft in | 2.0                        | 6'7"              | 2.5              | 8'2"             | 2.9              | 9'6"             | 3.5              | 11'6"            |
| A. Overall width of upper structure | mm        | ft in | 2,500                      | 8'2"              | 2,500            | 8'2"             | 2,500            | 8'2"             | 2,500            | 8'2"             |
| B. Overall width                    | mm        | ft in | 2,990                      | 9'10"             | 2,990            | 9'10"            | 2,990            | 9'10"            | 2,990            | 9'10"            |
| C. Overall height of cab            | mm        | ft in | 2,950                      | 9'8"              | 2,950            | 9'8"             | 2,950            | 9'8"             | 2,950            | 9'8"             |
| D. Overall height of handrail       | mm        | ft in | 2,945                      | 9'8"              | 2,945            | 9'8"             | 2,945            | 9'8"             | 2,945            | 9'8"             |
| E. Overall height of guardrail      | mm        | ft in | 3,320                      | 10'11"            | 3,320            | 10'11"           | 3,320            | 10'11"           | 3,320            | 10'11"           |
| F. Tail swing radius                | mm        | ft in | 2,910                      | 9'7"              | 2,910            | 9'7"             | 2,910            | 9'7"             | 2,910            | 9'7"             |
| G. Overall height of engine hood    | mm        | ft in | 2,785                      | 9'2"              | 2,785            | 9'2"             | 2,785            | 9'2"             | 2,785            | 9'2"             |
| H. Counterweight clearance *        | mm        | ft in | 1,005                      | 3'4"              | 1,005            | 3'4"             | 1,005            | 3'4"             | 1,005            | 3'4"             |
| I. Tumbler length                   | mm        | ft in | 3,660                      | 12'0"             | 3,660            | 12'0"            | 3,660            | 12'0"            | 3,660            | 12'0"            |
| J. Track length                     | mm        | ft in | 4,460                      | 14'8"             | 4,460            | 14'8"            | 4,460            | 14'8"            | 4,460            | 14'8"            |
| K. Track gauge                      | mm        | ft in | 2,390                      | 7'10"             | 2,390            | 7'10"            | 2,390            | 7'10"            | 2,390            | 7'10"            |
| L. Shoe width                       | mm        | ft in | 600                        | 2'0"              | 600              | 2'0"             | 600              | 2'0"             | 600              | 2'0"             |
| M. Min. ground clearance *          | mm        | ft in | 455                        | 1'6"              | 455              | 1'6"             | 455              | 1'6"             | 455              | 1'6"             |
| N. Overall length                   | mm        | ft in | 9,860 /<br>9,720           | 32'4" /<br>31'11" | 9,805 /<br>9,670 | 32'2" /<br>31'9" | 9,745 /<br>9,635 | 32'0" /<br>31'7" | 9,780 /<br>9,620 | 32'1" /<br>31'7" |
| O. Overall height of boom           | mm        | ft in | 3,155 /<br>3,065           | 10'4" /<br>10'1"  | 3,175 /<br>3,050 | 10'5" /<br>10'0" | 3,035 /<br>2,955 | 9'11" /<br>9'8"  | 3,170 /<br>3,285 | 10'5" /<br>10'9" |

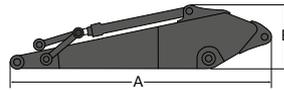
\* Without shoe grouser



**DIMENSIONS**

| Description | Unit      |       | Boom        |       |                      |       |
|-------------|-----------|-------|-------------|-------|----------------------|-------|
|             | m (ft in) |       | 5.7 (18'8") |       | 5.57 (18'3") 2-piece |       |
| A. Length   | mm        | ft in | 5,915       | 19'5" | 5,785                | 19'0" |
| B. Height   | mm        | ft in | 1,600       | 5'3"  | 1,420                | 4'8"  |
| Width       | mm        | ft in | 670         | 2'2"  | 670                  | 2'2"  |
| Weight      | kg        | lb    | 2,010       | 4,430 | 2,640                | 5,820 |

\* Includes cylinder, piping and pin, excludes boom cyl. Pin

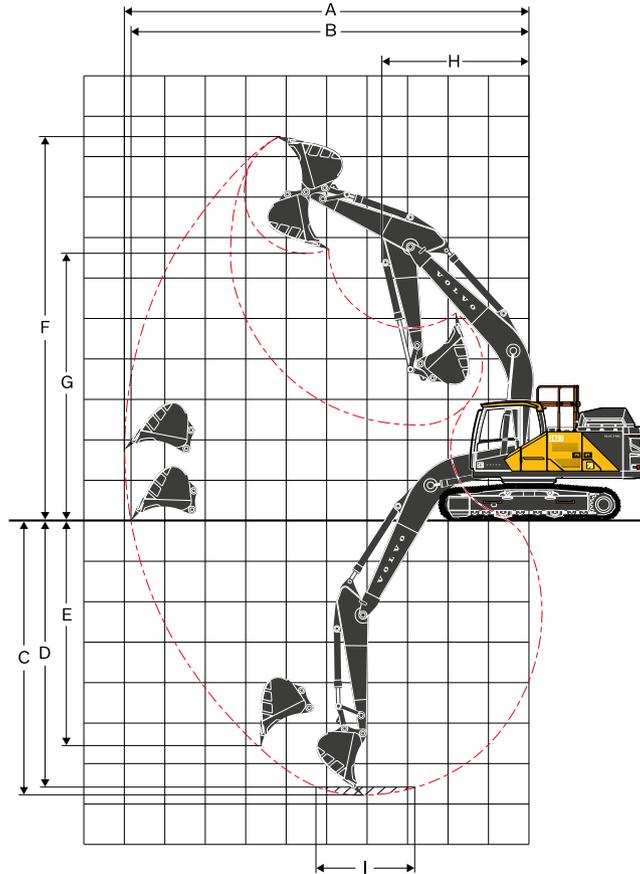


**DIMENSIONS**

| Description | Unit      |       | Arm        |       |            |       |            |       |             |        |
|-------------|-----------|-------|------------|-------|------------|-------|------------|-------|-------------|--------|
|             | m (ft in) |       | 2.0 (6'7") |       | 2.5 (8'2") |       | 2.9 (9'6") |       | 3.5 (11'6") |        |
| A. Length   | mm        | ft in | 3,070      | 10'1" | 3,530      | 11'7" | 3,895      | 12'9" | 4,540       | 14'11" |
| B. Height   | mm        | ft in | 980        | 3'3"  | 865        | 2'10" | 865        | 2'10" | 865         | 2'10"  |
| Width       | mm        | ft in | 440        | 1'5"  | 440        | 1'5"  | 440        | 1'5"  | 440         | 1'5"   |
| Weight      | kg        | lb    | 1,080      | 2,380 | 1,135      | 2,500 | 1,140      | 2,510 | 1,165       | 2,570  |

\* Includes cylinder, linkage and pin

# Specifications

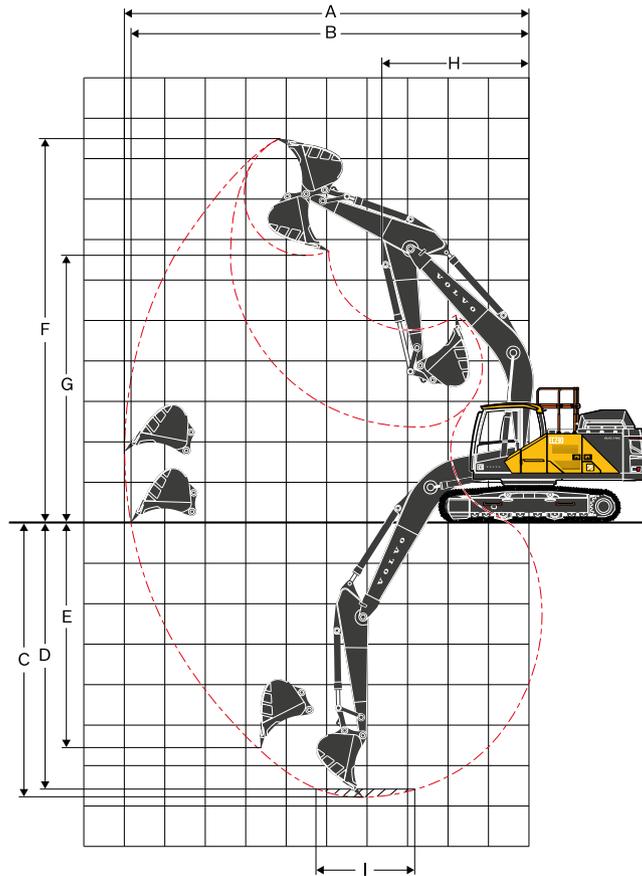


## WORKING RANGES WITH DIRECT FIT BUCKET

| Description                                   | Unit      |       | EC230F Electric L |        |        |       |        |        |        |        |
|---|-----------|-------|-------------------|--------|--------|-------|--------|--------|--------|--------|
|   | m (ft in) |       | 5.57 (18'3")      |        |        |       |        |        |        |        |
| Boom  |           |       |                   |        |        |       |        |        |        |        |
| Arm   | m         | ft in | 2.0               | 6'7"   | 2.5    | 8'2"  | 2.9    | 9'6"   | 3.5    | 11'6"  |
| A. Max. digging reach                         | mm        | ft in | 9,040             | 29'8"  | 9,505  | 31'2" | 9,900  | 32'6"  | 10,365 | 34'0"  |
| B. Max. digging reach on ground               | mm        | ft in | 8,870             | 29'1"  | 9,345  | 30'8" | 9,740  | 31'11" | 10,215 | 33'6"  |
| C. Max. digging depth                         | mm        | ft in | 5,505             | 18'1"  | 5,995  | 19'8" | 6,400  | 21'0"  | 6,945  | 22'9"  |
| D. Max. digging depth (l=2.44 m / 8'0" level) | mm        | ft in | 5,385             | 17'8"  | 5,885  | 19'4" | 6,295  | 20'8"  | 6,845  | 22'5"  |
| E. Max. vertical wall digging depth           | mm        | ft in | 4,125             | 13'6"  | 4,735  | 15'6" | 5,150  | 16'11" | 5,645  | 18'6"  |
| F. Max. cutting height                        | mm        | ft in | 10,015            | 32'10" | 10,395 | 34'1" | 10,715 | 35'2"  | 10,930 | 35'10" |
| G. Max. dumping height                        | mm        | ft in | 7,005             | 23'0"  | 7,365  | 24'2" | 7,680  | 25'2"  | 7,910  | 25'11" |
| H. Min. front swing radius                    | mm        | ft in | 2,895             | 9'6"   | 2,735  | 8'12" | 2,465  | 8'1"   | 2,740  | 8'12"  |

## DIGGING FORCES WITH DIRECT FIT BUCKET

| Bucket radius           |             |           | mm | ft in | 1,528 | 5'0"   | 1,528 | 5'0"   | 1,528 | 5'0"   | 1,528 | 5'0"   |
|-------------------------|-------------|-----------|----|-------|-------|--------|-------|--------|-------|--------|-------|--------|
| Breakout force (bucket) | Normal      | SAE J1179 | kN | lb    | 146   | 32,820 | 125   | 28,100 | 125   | 28,100 | 125   | 28,100 |
|                         | Power boost | SAE J1179 | kN | lb    | 154   | 34,620 | 132   | 29,670 | 132   | 29,670 | 132   | 29,670 |
|                         | Normal      | ISO 6015  | kN | lb    | 165   | 37,090 | 141   | 31,700 | 141   | 31,700 | 141   | 31,700 |
|                         | Power boost | ISO 6015  | kN | lb    | 174   | 39,120 | 149   | 33,500 | 149   | 33,500 | 149   | 33,500 |
| Tearout force (arm)     | Normal      | SAE J1179 | kN | lb    | 144   | 32,370 | 117   | 26,300 | 101   | 22,710 | 92    | 20,680 |
|                         | Power boost | SAE J1179 | kN | lb    | 153   | 34,400 | 124   | 27,880 | 107   | 24,050 | 97    | 21,810 |
|                         | Normal      | ISO 6015  | kN | lb    | 149   | 33,500 | 121   | 27,200 | 104   | 23,380 | 94    | 21,130 |
|                         | Power boost | ISO 6015  | kN | lb    | 158   | 35,520 | 128   | 28,780 | 110   | 24,730 | 99    | 22,260 |
| Rotation angle, bucket  |             |           | °  |       | 166   |        | 175   |        | 175   |        | 175   |        |



**WORKING RANGES WITH DIRECT FIT BUCKET**

| Description                                   | Unit      |       | EC230F Electric L |       |       |       |       |        |        |        |  |
|---|-----------|-------|-------------------|-------|-------|-------|-------|--------|--------|--------|--|
|   | m (ft in) |       | 5.7 (18'8")       |       |       |       |       |        |        |        |  |
| Boom  |           |       |                   |       |       |       |       |        |        |        |  |
| Arm   | m         | ft in | 2.0               | 6'7"  | 2.5   | 8'2"  | 2.9   | 9'6"   | 3.5    | 11'6"  |  |
| A. Max. digging reach                         | mm        | ft in | 9,145             | 30'0" | 9,605 | 31'6" | 9,995 | 32'10" | 10,450 | 34'3"  |  |
| B. Max. digging reach on ground               | mm        | ft in | 8,975             | 29'5" | 9,445 | 31'0" | 9,835 | 32'3"  | 10,305 | 33'10" |  |
| C. Max. digging depth                         | mm        | ft in | 5,925             | 19'5" | 6,425 | 21'1" | 6,825 | 22'5"  | 7,425  | 24'4"  |  |
| D. Max. digging depth (l=2.44 m / 8'0" level) | mm        | ft in | 5,670             | 18'7" | 6,205 | 20'4" | 6,635 | 21'9"  | 7,235  | 23'9"  |  |
| E. Max. vertical wall digging depth           | mm        | ft in | 4,315             | 14'2" | 5,070 | 16'8" | 5,535 | 18'2"  | 5,885  | 19'4"  |  |
| F. Max. cutting height                        | mm        | ft in | 8,925             | 29'3" | 9,205 | 30'2" | 9,445 | 31'0"  | 9,450  | 31'0"  |  |
| G. Max. dumping height                        | mm        | ft in | 6,090             | 20'0" | 6,330 | 20'9" | 6,555 | 21'6"  | 6,600  | 21'8"  |  |
| H. Min. front swing radius                    | mm        | ft in | 3,660             | 12'0" | 3,670 | 12'0" | 3,645 | 12'0"  | 3,630  | 11'11" |  |

**DIGGING FORCES WITH DIRECT FIT BUCKET**

| Bucket radius           |             |           | mm | ft in | 1,528 | 5'0"   | 1,528 | 5'0"   | 1,528 | 5'0"   | 1,528 | 5'0"   |
|-------------------------|-------------|-----------|----|-------|-------|--------|-------|--------|-------|--------|-------|--------|
| Breakout force (bucket) | Normal      | SAE J1179 | kN | lb    | 146   | 32,820 | 125   | 28,100 | 125   | 28,100 | 125   | 28,100 |
|                         | Power boost | SAE J1179 | kN | lb    | 154   | 34,620 | 132   | 29,670 | 132   | 29,670 | 132   | 29,670 |
|                         | Normal      | ISO 6015  | kN | lb    | 165   | 37,090 | 141   | 31,700 | 141   | 31,700 | 141   | 31,700 |
|                         | Power boost | ISO 6015  | kN | lb    | 174   | 39,120 | 149   | 33,500 | 149   | 33,500 | 149   | 33,500 |
| Tearout force (arm)     | Normal      | SAE J1179 | kN | lb    | 144   | 32,370 | 117   | 26,300 | 101   | 22,710 | 92    | 20,680 |
|                         | Power boost | SAE J1179 | kN | lb    | 153   | 34,400 | 124   | 27,880 | 107   | 24,050 | 97    | 21,810 |
|                         | Normal      | ISO 6015  | kN | lb    | 149   | 33,500 | 121   | 27,200 | 104   | 23,380 | 94    | 21,130 |
|                         | Power boost | ISO 6015  | kN | lb    | 158   | 35,520 | 128   | 28,780 | 110   | 24,730 | 99    | 22,260 |
| Rotation angle, bucket  |             |           | °  |       | 166   |        | 175   |        | 175   |        | 175   |        |

# Specifications

## GROUND PRESSURE

| Description    | Shoe width |         | Operating weight  |        | Ground pressure |       | Overall width |        | Operating weight   |        | Ground pressure |       | Overall width |       |
|----------------|------------|---------|---|--------|-----------------|-------|---------------|--------|--|--------|-----------------|-------|---------------|-------|
|                | mm         | in      | kg  | lb     | kPa             | psi   | mm            | ft in  | kg   | lb     | kPa             | psi   | mm            | ft in |
| Triple grouser | 500        | 20      | 22,690  | 50,030 | 56.9            | 8.2   | 2,890         | 9'6"   | 23,110   | 50,960 | 57.9            | 8.4   | 2,890         | 9'6"  |
|                | 600        | 24      | 22,950  | 50,600 | 48.0            | 7.0   | 2,990         | 9'10"  | 23,370   | 51,530 | 48.0            | 7.0   | 2,990         | 9'10" |
|                | 600 (HD)   | 24 (HD) | 23,120  | 50,980 | 48.0            | 7.0   | 2,990         | 9'10"  | 23,530   | 51,880 | 49.0            | 7.1   | 2,990         | 9'10" |
|                | 700        | 28      | 23,410  | 51,620 | 41.2            | 6.0   | 3,090         | 10'2"  | 23,820   | 52,520 | 42.2            | 6.1   | 3,090         | 10'2" |
|                | 800        | 32      | 23,690  | 52,240 | 37.3            | 5.4   | 3,190         | 10'6"  | 24,110   | 53,160 | 37.3            | 5.4   | 3,190         | 10'6" |
| 900            | 36         | 23,980  | 52,880  | 33.3   | 4.8             | 3,290 | 10'10"        | 24,390 | 53,780   | 33.3   | 4.8             | 3,290 | 10'10"        |       |
| Single grouser | 600        | 24      | 23,090  | 50,910 | 48.0            | 7.0   | 2,990         | 9'10"  | 23,500   | 51,820 | 49.0            | 7.1   | 2,990         | 9'10" |
| Double grouser | 700        | 28      | 23,670  | 52,190 | 42.2            | 6.1   | 3,090         | 10'2"  | 24,080   | 53,100 | 43.1            | 6.3   | 3,090         | 10'2" |
|                |            |         | EC230F Electric L, 5.7 m / 18'8" GP boom, 2.9 m / 9'6" GP arm, 909 kg / 2,000 lb bucket, 2,600 kg / 5,730 lb counterweight  |        |                 |       |               |        | EC230F Electric L, 5.57 m / 18'3" 2-pieces boom, 2.9 m / 9'6" GP arm, 909 kg / 2,000 lb bucket, 2,600 kg / 5,730 lb counterweight  |        |                 |       |               |       |
| Description    | Shoe width |         | Operating weight  |        | Ground pressure |       | Overall width |        | Operating weight   |        | Ground pressure |       | Overall width |       |
|                | mm         | in      | kg  | lb     | kPa             | psi   | mm            | ft in  | kg   | lb     | kPa             | psi   | mm            | ft in |
| Triple grouser | 500        | 20      | 22,810  | 50,300 | 56.9            | 8.2   | 2,890         | 9'6"   | 23,220   | 51,200 | 57.9            | 8.4   | 2,890         | 9'6"  |
|                | 600        | 24      | 23,060  | 50,850 | 48.0            | 7.0   | 2,990         | 9'10"  | 23,480   | 51,770 | 49.0            | 7.1   | 2,990         | 9'10" |
|                | 600 (HD)   | 24 (HD) | 23,230  | 51,220 | 48.0            | 7.0   | 2,990         | 9'10"  | 23,650   | 52,150 | 49.0            | 7.1   | 2,990         | 9'10" |
|                | 700        | 28      | 23,520  | 51,860 | 42.2            | 6.1   | 3,090         | 10'2"  | 23,930   | 52,770 | 42.2            | 6.1   | 3,090         | 10'2" |
|                | 800        | 32      | 23,810  | 52,500 | 37.3            | 5.4   | 3,190         | 10'6"  | 24,220   | 53,410 | 37.3            | 5.4   | 3,190         | 10'6" |
| 900            | 36         | 24,090  | 53,120  | 33.3   | 4.8             | 3,290 | 10'10"        | 24,510 | 54,040   | 34.3   | 5.0             | 3,290 | 10'10"        |       |
| Single grouser | 600        | 24      | 23,200  | 51,160 | 48.0            | 7.0   | 2,990         | 9'10"  | 23,610   | 52,060 | 49.0            | 7.1   | 2,990         | 9'10" |
| Double grouser | 700        | 28      | 23,780  | 52,430 | 42.2            | 6.1   | 3,090         | 10'2"  | 24,200   | 53,360 | 43.1            | 6.3   | 3,090         | 10'2" |
|                |            |         | EC230F Electric L, 5.7 m / 18'8" GP boom, 3.5 m / 11'6" GP arm, 909 kg / 2,000 lb bucket, 2,600 kg / 5,730 lb counterweight |        |                 |       |               |        | EC230F Electric L, 5.57 m / 18'3" 2-pieces boom, 3.5 m / 11'6" GP arm, 909 kg / 2,000 lb bucket, 2,600 kg / 5,730 lb counterweight |        |                 |       |               |       |

**BUCKET SELECTION GUIDE**

**EC230F Electric L with 600 mm (24") shoe, 4,600 kg (10,140 lb) counterweight**

| Bucket Type | Capacity |                 | Cutting width |       | Weight |       | Teeth | Recommended maximum material density (kg/m <sup>3</sup> / lb/yd <sup>3</sup> ) |                       |       |                  |       |                  |       |                  |       |                   |       |       |       |
|-------------|----------|-----------------|---------------|-------|--------|-------|-------|--|-----------------------|-------|------------------|-------|------------------|-------|------------------|-------|-------------------|-------|-------|-------|
|             | L        | yd <sup>3</sup> | mm            | ft in | kg     | lb    |       | EA   | 5.7 m (18'8") GP Boom |       |                  |       |                  |       |                  |       |                   |       |       |       |
|             |          |                 |               |       |        |       |       |  | 2.0 m (6'7") Arm      |       | 2.5 m (8'2") Arm |       | 2.9 m (9'6") Arm |       | 2.9 m (9'6") Arm |       | 3.5 m (11'6") Arm |       |       |       |
| V4          | GP       | 480             | 0.63          | 600   | 23.6   | 666   | 1,468 | 3  | 1,800                 | 3,100 | 1,800            | 3,100 | 1,800            | 3,100 | 1,800            | 3,100 | 1,800             | 3,100 | 1,800 | 3,100 |
|             |          | 590             | 0.77          | 750   | 29.5   | 711   | 1,568 | 3  | 1,800                 | 3,100 | 1,800            | 3,100 | 1,800            | 3,100 | 1,800            | 3,100 | 1,800             | 3,100 | 1,800 | 3,100 |
|             |          | 630             | 0.82          | 800   | 31.5   | 703   | 1,550 | 4  | 1,800                 | 3,100 | 1,800            | 3,100 | 1,800            | 3,100 | 1,800            | 3,100 | 1,800             | 3,100 | 1,800 | 3,100 |
|             |          | 750             | 0.98          | 900   | 35.4   | 749   | 1,652 | 4  | 1,800                 | 3,100 | 1,800            | 3,100 | 1,800            | 3,100 | 1,800            | 3,100 | 1,800             | 3,100 | 1,800 | 3,100 |
|             |          | 920             | 1.2           | 1,050 | 41.3   | 862   | 1,900 | 4  | 1,800                 | 3,100 | 1,800            | 3,100 | 1,800            | 3,100 | 1,800            | 3,100 | 1,800             | 3,100 | 1,800 | 3,100 |
|             |          | 920             | 1.2           | 1,050 | 41.3   | 819   | 1,806 | 4  | 1,800                 | 3,100 | 1,800            | 3,100 | 1,800            | 3,100 | 1,800            | 3,100 | 1,800             | 3,100 | 1,800 | 3,100 |
|             |          | 1,090           | 1.43          | 1,200 | 47.2   | 908   | 2,002 | 5  | 1,800                 | 3,100 | 1,800            | 3,100 | 1,800            | 3,100 | 1,800            | 3,100 | 1,800             | 3,100 | 1,800 | 3,100 |
|             |          | 1,090           | 1.43          | 1,200 | 47.2   | 951   | 2,096 | 5  | 1,800                 | 3,100 | 1,800            | 3,100 | 1,800            | 3,100 | 1,800            | 3,100 | 1,800             | 3,100 | 1,800 | 3,100 |
|             |          | 1,270           | 1.66          | 1,350 | 53.1   | 1,038 | 2,289 | 5  | 1,800                 | 3,100 | 1,800            | 3,100 | 1,800            | 3,100 | 1,800            | 3,100 | 1,800             | 3,100 | 1,700 | 2,865 |
|             |          | 1,270           | 1.66          | 1,350 | 53.1   | 995   | 2,195 | 5  | 1,800                 | 3,100 | 1,800            | 3,100 | 1,800            | 3,100 | 1,800            | 3,100 | 1,800             | 3,100 | 1,800 | 3,100 |
|             | 1,440    | 1.88            | 1,500         | 59.1  | 1,085  | 2,392 | 6     | 1,800  | 3,100                 | 1,800 | 3,100            | 1,700 | 2,865            | 1,700 | 2,865            | 1,500 | 2,500             |       |       |       |
|             | 1,320    | 1.73            | 1,420         | 55.9  | 999    | 2,202 | 5     | 1,800  | 3,100                 | 1,800 | 3,100            | 1,800 | 3,100            | 1,800 | 3,100            | 1,700 | 2,865             |       |       |       |
|             | 1,320    | 1.73            | 1,420         | 55.9  | 1,041  | 2,296 | 5     | 1,800  | 3,100                 | 1,800 | 3,100            | 1,800 | 3,100            | 1,800 | 3,100            | 1,600 | 2,700             |       |       |       |
|             | HD       | 480             | 0.63          | 600   | 23.6   | 738   | 1,628 | 3  | 2,100                 | 3,500 | 2,100            | 3,500 | 2,100            | 3,500 | 2,100            | 3,500 | 2,100             | 3,500 | 2,100 | 3,500 |
|             |          | 480             | 0.63          | 600   | 23.6   | 675   | 1,488 | 3  | 2,100                 | 3,500 | 2,100            | 3,500 | 2,100            | 3,500 | 2,100            | 3,500 | 2,100             | 3,500 | 2,100 | 3,500 |
|             |          | 750             | 0.98          | 900   | 35.4   | 872   | 1,922 | 4  | 2,100                 | 3,500 | 2,100            | 3,500 | 2,100            | 3,500 | 2,100            | 3,500 | 2,100             | 3,500 | 2,100 | 3,500 |
|             |          | 750             | 0.98          | 900   | 35.4   | 808   | 1,783 | 4  | 2,100                 | 3,500 | 2,100            | 3,500 | 2,100            | 3,500 | 2,100            | 3,500 | 2,100             | 3,500 | 2,100 | 3,500 |
|             |          | 920             | 1.2           | 1,050 | 41.3   | 951   | 2,098 | 4  | 2,100                 | 3,500 | 2,100            | 3,500 | 2,100            | 3,500 | 2,100            | 3,500 | 2,100             | 3,500 | 2,100 | 3,500 |
|             |          | 920             | 1.2           | 1,050 | 41.3   | 888   | 1,959 | 4  | 2,100                 | 3,500 | 2,100            | 3,500 | 2,100            | 3,500 | 2,100            | 3,500 | 2,100             | 3,500 | 2,100 | 3,500 |
|             |          | 1,090           | 1.43          | 1,200 | 47.2   | 1,046 | 2,307 | 5  | 2,100                 | 3,500 | 2,100            | 3,500 | 2,100            | 3,500 | 2,100            | 3,500 | 2,100             | 3,500 | 2,000 | 3,370 |
| 1,090       |          | 1.43            | 1,200         | 47.2  | 983    | 2,168 | 5     | 2,100  | 3,500                 | 2,100 | 3,500            | 2,100 | 3,500            | 2,100 | 3,500            | 2,100 | 3,500             | 2,100 | 3,500 |       |
| 1,270       |          | 1.66            | 1,380         | 54.3  | 1,045  | 2,305 | 5     | 2,100  | 3,500                 | 2,100 | 3,500            | 2,000 | 3,370            | 1,900 | 3,200            | 1,700 | 2,865             |       |       |       |
| 1,270       |          | 1.66            | 1,380         | 54.3  | 1,108  | 2,443 | 5     | 2,100  | 3,500                 | 2,100 | 3,500            | 1,900 | 3,200            | 1,900 | 3,200            | 1,700 | 2,865             |       |       |       |
| V4          | GP       | 480             | 0.63          | 600   | 23.6   | 666   | 1,468 | 3  | 1,800                 | 3,100 | 1,800            | 3,100 | 1,800            | 3,100 | 1,800            | 3,100 | 1,800             | 3,100 | 1,800 | 3,100 |
|             |          | 590             | 0.77          | 750   | 29.5   | 711   | 1,568 | 3  | 1,800                 | 3,100 | 1,800            | 3,100 | 1,800            | 3,100 | 1,800            | 3,100 | 1,800             | 3,100 | 1,800 | 3,100 |
|             |          | 630             | 0.82          | 800   | 31.5   | 703   | 1,550 | 4  | 1,800                 | 3,100 | 1,800            | 3,100 | 1,800            | 3,100 | 1,800            | 3,100 | 1,800             | 3,100 | 1,800 | 3,100 |
|             |          | 750             | 0.98          | 900   | 35.4   | 749   | 1,652 | 4  | 1,800                 | 3,100 | 1,800            | 3,100 | 1,800            | 3,100 | 1,800            | 3,100 | 1,800             | 3,100 | 1,800 | 3,100 |
|             |          | 920             | 1.2           | 1,050 | 41.3   | 862   | 1,900 | 4  | 1,800                 | 3,100 | 1,800            | 3,100 | 1,800            | 3,100 | 1,800            | 3,100 | 1,800             | 3,100 | 1,800 | 3,100 |
|             |          | 920             | 1.2           | 1,050 | 41.3   | 819   | 1,806 | 4  | 1,800                 | 3,100 | 1,800            | 3,100 | 1,800            | 3,100 | 1,800            | 3,100 | 1,800             | 3,100 | 1,800 | 3,100 |
|             |          | 1,090           | 1.43          | 1,200 | 47.2   | 908   | 2,002 | 5  | 1,800                 | 3,100 | 1,800            | 3,100 | 1,800            | 3,100 | 1,800            | 3,100 | 1,800             | 3,100 | 1,800 | 3,100 |
|             |          | 1,090           | 1.43          | 1,200 | 47.2   | 951   | 2,096 | 5  | 1,800                 | 3,100 | 1,800            | 3,100 | 1,800            | 3,100 | 1,800            | 3,100 | 1,800             | 3,100 | 1,800 | 3,100 |
|             |          | 1,270           | 1.66          | 1,350 | 53.1   | 1,038 | 2,289 | 5  | 1,800                 | 3,100 | 1,800            | 3,100 | 1,800            | 3,100 | 1,800            | 3,100 | 1,700             | 2,865 |       |       |
|             |          | 1,270           | 1.66          | 1,350 | 53.1   | 995   | 2,195 | 5  | 1,800                 | 3,100 | 1,800            | 3,100 | 1,800            | 3,100 | 1,800            | 3,100 | 1,800             | 3,100 | 1,800 | 3,100 |
|             | 1,440    | 1.88            | 1,500         | 59.1  | 1,085  | 2,392 | 6     | 1,800  | 3,100                 | 1,800 | 3,100            | 1,700 | 2,865            | 1,700 | 2,865            | 1,500 | 2,530             |       |       |       |
|             | 1,320    | 1.73            | 1,420         | 55.9  | 999    | 2,202 | 5     | 1,800  | 3,100                 | 1,800 | 3,100            | 1,800 | 3,100            | 1,800 | 3,100            | 1,700 | 2,865             |       |       |       |
|             | 1,320    | 1.73            | 1,420         | 55.9  | 1,041  | 2,296 | 5     | 1,800  | 3,100                 | 1,800 | 3,100            | 1,800 | 3,100            | 1,800 | 3,100            | 1,700 | 2,865             |       |       |       |
|             | HD       | 480             | 0.63          | 600   | 23.6   | 738   | 1,628 | 3  | 2,100                 | 3,500 | 2,100            | 3,500 | 2,100            | 3,500 | 2,100            | 3,500 | 2,100             | 3,500 | 2,100 | 3,500 |
|             |          | 480             | 0.63          | 600   | 23.6   | 675   | 1,488 | 3  | 2,100                 | 3,500 | 2,100            | 3,500 | 2,100            | 3,500 | 2,100            | 3,500 | 2,100             | 3,500 | 2,100 | 3,500 |
|             |          | 750             | 0.98          | 900   | 35.4   | 872   | 1,922 | 4  | 2,100                 | 3,500 | 2,100            | 3,500 | 2,100            | 3,500 | 2,100            | 3,500 | 2,100             | 3,500 | 2,100 | 3,500 |
|             |          | 750             | 0.98          | 900   | 35.4   | 808   | 1,783 | 4  | 2,100                 | 3,500 | 2,100            | 3,500 | 2,100            | 3,500 | 2,100            | 3,500 | 2,100             | 3,500 | 2,100 | 3,500 |
|             |          | 920             | 1.2           | 1,050 | 41.3   | 951   | 2,098 | 4  | 2,100                 | 3,500 | 2,100            | 3,500 | 2,100            | 3,500 | 2,100            | 3,500 | 2,100             | 3,500 | 2,100 | 3,500 |
|             |          | 920             | 1.2           | 1,050 | 41.3   | 888   | 1,959 | 4  | 2,100                 | 3,500 | 2,100            | 3,500 | 2,100            | 3,500 | 2,100            | 3,500 | 2,100             | 3,500 | 2,100 | 3,500 |
|             |          | 1,090           | 1.43          | 1,200 | 47.2   | 1,046 | 2,307 | 5  | 2,100                 | 3,500 | 2,100            | 3,500 | 2,100            | 3,500 | 2,100            | 3,500 | 2,100             | 3,500 | 2,000 | 3,370 |
| 1,090       |          | 1.43            | 1,200         | 47.2  | 983    | 2,168 | 5     | 2,100  | 3,500                 | 2,100 | 3,500            | 2,100 | 3,500            | 2,100 | 3,500            | 2,100 | 3,500             | 2,100 | 3,500 |       |
| 1,270       |          | 1.66            | 1,380         | 54.3  | 1,045  | 2,305 | 5     | 2,100  | 3,500                 | 2,100 | 3,500            | 2,000 | 3,370            | 2,000 | 3,370            | 1,700 | 2,865             |       |       |       |
| 1,270       |          | 1.66            | 1,380         | 54.3  | 1,108  | 2,443 | 5     | 2,100  | 3,500                 | 2,100 | 3,500            | 1,900 | 3,200            | 1,900 | 3,200            | 1,700 | 2,865             |       |       |       |

Please consult with your Volvo dealer for the proper match of buckets and attachments to suit the application. The recommendations are given as a guide only, based on typical operation conditions. Bucket capacity based on ISO 7451, heaped material with a 1:1 angle of repose.

**Maximum material density**  
 D: 2,100 kg/m<sup>3</sup> (3,500 lb/yd<sup>3</sup>)  
 C: 1,800 kg/m<sup>3</sup> (3,100 lb/yd<sup>3</sup>)  
 B: 1,500 kg/m<sup>3</sup> (2,500 lb/yd<sup>3</sup>)  
 A: 1,200 kg/m<sup>3</sup> (2,000 lb/yd<sup>3</sup>)  
 X : Not recommended

# Specifications

## LIFTING CAPACITY EC230F Electric L

Lifting capacity 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 coupler from the following values.

|   | Lifting hook related to ground level | 1.5 m / 5 ft |           | 3.0 m / 10 ft |           | 4.5 m / 15 ft |           | 6.0 m / 20 ft |           | 7.5 m / 25 ft |           | Max. reach |           | Max.    |         |         |
|---|--------------------------------------|--------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|------------|-----------|---------|---------|---------|
|   |                                      | Along UC     | Across UC | Along UC      | Across UC | Along UC      | Across UC | Along UC      | Across UC | Along UC      | Across UC | Along UC   | Across UC |         |         |         |
| Boom :<br>5.57 m VA<br>18'3" VA<br>Arm :<br>2.0 m ME<br>6'7" ME<br>Shoe :<br>500 mm<br>20"<br>CWT :<br>2,600 kg<br>5,730 lb | 7.5 m                                | kg           |           |               |           | *8,520        | *8,520    |               |           |               |           | *8,400     | 7,780     | 4.75 m  |         |         |
|   | 25 ft                                | lb           |           |               |           | *18,910       | 18,300    |               |           |               |           | *18,890    | 18,120    | 15.1 ft |         |         |
|   | 6 m                                  | kg           |           |               |           | *8,490        | *8,490    | *7,370        | 5,290     |               |           | *7,300     | 5,040     | 6.17 m  |         |         |
|   | 20 ft                                | lb           |           |               |           | *18,480       | 18,310    | *16,200       | 11,340    |               |           | *16,200    | 11,330    | 20.0 ft |         |         |
|   | 4.5 m                                | kg           |           |               |           | *9,450        | 8,020     | *7,560        | 5,160     |               |           | *6,860     | 4,030     | 6.99 m  |         |         |
|   | 15 ft                                | lb           |           |               |           | *20,430       | 17,320    | *16,450       | 11,120    |               |           | *15,160    | 8,950     | 22.8 ft |         |         |
|   | 3 m                                  | kg           |           |               |           | *10,730       | 7,350     | *8,010        | 4,900     |               |           | 6,140      | 3,570     | 7.41 m  |         |         |
|   | 10 ft                                | lb           |           |               |           | *23,170       | 15,890    | *17,370       | 10,570    |               |           | 13,580     | 7,890     | 24.3 ft |         |         |
|   | 1.5 m                                | kg           |           |               |           |               |           | 8,270         | 4,650     | 5,930         | 3,410     | 5,920      | 3,410     | 7.51 m  |         |         |
|   | 5 ft                                 | lb           |           |               |           |               |           | *24,470       | 14,820    | 17,810        | 10,050    |            | 13,050    | 7,520   | 24.6 ft |         |
|   | 0 m                                  | kg           |           |               |           |               |           | *10,700       | 6,700     | *8,030        | 4,520     |            | 6,110     | 3,500   | 7.3 m   |         |
|   | 0 ft                                 | lb           |           |               |           |               |           | *23,270       | 14,440    | *17,390       | 9,760     |            | 13,490    | 7,710   | 23.9 ft |         |
|   | -1.5 m                               | kg           |           |               |           |               |           | *9,200        | 6,730     | *6,990        | 4,520     |            | *5,760    | 3,900   | 6.75 m  |         |
|   | -5 ft                                | lb           |           |               | *22,450   | *22,450       | *19,990   | 14,510        | *15,050   | 9,770         |           |            | *12,690   | 8,630   | 22.1 ft |         |
| -3 m  | kg                                   |              |           |               |           |               | *6,550    | *6,550        |           |               |           |            |           | 5.75 m  |         |         |
| -10 ft  | lb                                   |              |           |               |           |               | *14,040   | *14,040       |           |               |           |            |           | 18.7 ft |         |         |
| Boom :<br>5.57 m VA<br>18'3" VA<br>Arm :<br>2.5 m HD<br>8'2" HD<br>Shoe :<br>500 mm<br>20"<br>CWT :<br>2,600 kg<br>5,730 lb | 7.5 m                                | kg           |           |               |           | *7,750        | *7,750    |               |           |               |           | *6,780     | 6,300     | 5.47 m  |         |         |
|   | 25 ft                                | lb           |           |               |           | *17,100       | *17,100   |               |           |               |           | *15,140    | 14,460    | 17.5 ft |         |         |
|   | 6 m                                  | kg           |           |               |           |               |           | *7,890        | *7,890    | *6,910        | 5,420     |            | *6,200    | 4,430   | 6.73 m  |         |
|   | 20 ft                                | lb           |           |               |           |               |           | *17,190       | *17,190   | *15,140       | 11,650    |            | *13,710   | 9,940   | 21.9 ft |         |
|   | 4.5 m                                | kg           |           |               | *12,530   | *12,530       | *8,890    | 8,210         | *7,230    | 5,250         |           |            | *6,070    | 3,640   | 7.49 m  |         |
|   | 15 ft                                | lb           |           |               | *26,820   | *26,820       | *19,230   | 17,730        | *15,720   | 11,320        |           |            | *13,390   | 8,100   | 24.5 ft |         |
|   | 3 m                                  | kg           |           |               |           |               |           | *10,290       | 7,540     | *7,770        | 4,970     | 6,070      | 3,540     | 5,610   | 3,260   | 7.88 m  |
|   | 10 ft                                | lb           |           |               |           |               |           | *22,220       | 16,300    | *16,860       | 10,720    | 13,070     | 7,620     | 12,390  | 7,220   | 25.8 ft |
|   | 1.5 m                                | kg           |           |               |           |               |           | *11,200       | 6,970     | *8,190        | 4,700     | 5,940      | 3,420     | 5,420   | 3,120   | 7.98 m  |
|   | 5 ft                                 | lb           |           |               |           |               |           | *24,250       | 15,060    | *17,750       | 10,140    | 12,800     | 7,380     | 11,950  | 6,890   | 26.2 ft |
|   | 0 m                                  | kg           |           |               |           |               |           | *11,030       | 6,710     | 8,120         | 4,520     | 5,850      | 3,340     | 5,560   | 3,180   | 7.78 m  |
|   | 0 ft                                 | lb           |           |               |           |               |           | *23,930       | 14,470    | 17,480        | 9,760     | 12,620     | 7,220     | 12,260  | 7,030   | 25.5 ft |
|   | -1.5 m                               | kg           |           |               | *11,380   | *11,380       | *9,860    | 6,680         | *7,420    | 4,470         |           |            | *5,550    | 3,500   | 7.26 m  |         |
|   | -5 ft                                | lb           |           |               | *26,030   | *26,030       | *21,400   | 14,390        | *16,020   | 9,660         |           |            | *12,220   | 7,730   | 23.8 ft |         |
| -3 m  | kg                                   |              |           |               |           |               | *7,640    | 6,810         | *5,530    | 4,580         |           |            | *4,860    | 4,270   | 6.35 m  |         |
| -10 ft  | lb                                   |              |           |               |           |               | *16,440   | 14,700        | *11,600   | 9,920         |           |            | *10,640   | 9,510   | 20.7 ft |         |
| Boom :<br>5.57 m VA<br>18'3" VA<br>Arm :<br>2.9 m HD<br>9'6" HD<br>Shoe :<br>500 mm<br>20"<br>CWT :<br>2,600 kg<br>5,730 lb | 9 m                                  | kg           |           |               |           |               |           |               |           |               |           | *6,130     | *6,130    | 4.02 m  |         |         |
|   | 30 ft                                | lb           |           |               |           |               |           |               |           |               |           | *14,050    | *14,050   | 12.3 ft |         |         |
|   | 7.5 m                                | kg           |           |               |           |               | *7,010    | *7,010        | *5,060    | *5,060        |           |            | *4,930    | *4,930  | 6.03 m  |         |
|   | 25 ft                                | lb           |           |               |           |               | *15,430   | *15,430       |           |               |           |            | *10,990   | *10,990 | 19.4 ft |         |
|   | 6 m                                  | kg           |           |               |           |               |           | *7,060        | *7,060    | *6,560        | 5,530     |            |           | *4,550  | 4,020   | 7.19 m  |
|   | 20 ft                                | lb           |           |               |           |               |           | *15,560       | *15,560   | *14,370       | 11,890    |            |           | *10,050 | 8,990   | 23.4 ft |
|   | 4.5 m                                | kg           |           |               | *9,020    | *9,020        | *8,420    | 8,410         | *6,950    | 5,340         | *6,090    | 3,700      | *4,450    | 3,370   | 7.9 m   |         |
|   | 15 ft                                | lb           |           |               | *18,930   | *18,930       | *18,240   | 18,140        | *15,120   | 11,520        | *12,650   | 7,940      | *9,820    | 7,470   | 25.8 ft |         |
|   | 3 m                                  | kg           |           |               |           |               |           | *9,890        | 7,710     | *7,560        | 5,040     | 6,120      | 3,580     | *4,550  | 3,040   | 8.28 m  |
|   | 10 ft                                | lb           |           |               |           |               |           | *21,360       | 16,660    | *16,400       | 10,890    | 13,180     | 7,710     | *10,010 | 6,720   | 27.1 ft |
|   | 1.5 m                                | kg           |           |               |           |               |           | *11,010       | 7,070     | *8,070        | 4,740     | 5,970      | 3,440     | *4,830  | 2,910   | 8.37 m  |
|   | 5 ft                                 | lb           |           |               |           |               |           | *23,830       | 15,270    | *17,500       | 10,240    | 12,850     | 7,410     | *10,640 | 6,430   | 27.5 ft |
|   | 0 m                                  | kg           |           |               | *5,880    | *5,880        | *11,140   | 6,720         | 8,140     | 4,530         | 5,850     | 3,330      | 5,170     | 2,960   | 8.18 m  |         |
|   | 0 ft                                 | lb           |           |               | *13,590   | *13,590       | *24,160   | 14,490        | 17,520    | 9,780         | 12,610    | 7,190      | 11,400    | 6,530   | 26.8 ft |         |
| -1.5 m  | kg                                   |              |           | *10,770       | *10,770   | *10,260       | 6,630     | *7,660        | 4,450     | *5,630        | 3,310     | *5,330     | 3,210     | 7.69 m  |         |         |
| -5 ft   | lb                                   |              |           | *24,540       | *24,540   | *22,250       | 14,290    | *16,570       | 9,600     | *11,960       | 7,170     | *11,730    | 7,100     | 25.2 ft |         |         |
| -3 m  | kg                                   |              |           | *10,650       | *10,650   | *8,360        | 6,720     | *6,190        | 4,510     |               |           | *4,810     | 3,830     | 6.84 m  |         |         |
| -10 ft  | lb                                   |              |           | *23,070       | *23,070   | *18,020       | 14,500    | *13,190       | 9,750     |               |           | *10,560    | 8,510     | 22.3 ft |         |         |

Notes: 1. Machine in "Fine Mode-F" (Power Boost) for lifting capacities. 2. The above loads are in compliance with SAE J1097 and ISO 10567 Hydraulic Excavator Lifting Capacity Standards. 3. Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. 4. Rated loads marked with an asterisk (\*) are limited by hydraulic capacity rather than tipping load.

**LIFTING CAPACITY EC230F Electric L**

Lifting capacity 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 coupler from the following values.

|  | Lifting hook related to ground level   |       | 1.5 m / 5 ft |           | 3.0 m / 10 ft |           | 4.5 m / 15 ft |           | 6.0 m / 20 ft |           | 7.5 m / 25 ft |           | Max. reach |           | Max.    |
|--|--|-------|--------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|------------|-----------|---------|
|  |  |       | Along UC     | Across UC | Along UC      | Across UC | Along UC      | Across UC | Along UC      | Across UC | Along UC      | Across UC | Along UC   | Across UC |         |
| <b>Boom :</b><br>5.57 m VA<br>18'3" VA<br><b>Arm :</b><br>3.5 m GP<br>11'6" GP<br><b>Shoe :</b><br>500 mm<br>20"<br><b>CWT :</b><br>2,600 kg<br>5,730 lb | 9 m  | kg    |              |           |               |           | *5,680        | *5,680    |               |           |               |           | *4,920     | *4,920    | 4.94 m  |
|  | 30 ft  | lb    |              |           |               |           | *11,760       | *11,760   |               |           |               |           | *11,120    | *11,120   | 15.5 ft |
|  | 7.5 m  | kg    |              |           |               |           |               |           | *5,400        | *5,400    |               |           | *4,200     | *4,200    | 6.67 m  |
|  | 25 ft  | lb    |              |           |               |           |               |           | *11,430       | *11,430   |               |           | *9,350     | *9,350    | 21.5 ft |
|  | 6 m  | kg    |              |           |               |           |               |           | *5,970        | 5,650     | *4,660        | 3,830     | *3,960     | 3,610     | 7.73 m  |
|  | 20 ft  | lb    |              |           |               |           |               |           | *13,060       | 12,150    | *9,200        | 8,190     | *8,740     | 8,070     | 25.2 ft |
|  | 4.5 m  | kg    |              |           |               |           | *6,700        | *6,700    | *6,460        | 5,450     | *5,730        | 3,760     | *3,920     | 3,070     | 8.4 m   |
|  | 15 ft  | lb    |              |           |               |           | *14,610       | *14,610   | *14,050       | 11,730    | *12,520       | 8,090     | *8,630     | 6,810     | 27.5 ft |
|  | 3 m  | kg    |              |           | *13,880       | *13,880   | *9,170        | 7,950     | *7,150        | 5,130     | *6,010        | 3,620     | *4,030     | 2,780     | 8.75 m  |
|  | 10 ft  | lb    |              |           | *29,760       | *29,760   | *19,830       | 17,160    | *15,520       | 11,070    | *13,090       | 7,790     | *8,870     | 6,160     | 28.7 ft |
|  | 1.5 m  | kg    |              |           |               |           | *10,600       | 7,240     | *7,820        | 4,800     | 5,980         | 3,450     | *4,300     | 2,670     | 8.84 m  |
|  | 5 ft   | lb    |              |           |               |           | *22,930       | 15,640    | *16,950       | 10,360    | 12,880        | 7,430     | *9,460     | 5,880     | 29.0 ft |
|  | 0 m  | kg    |              |           | *7,460        | *7,460    | *11,170       | 6,790     | *8,140        | 4,540     | 5,830         | 3,310     | 4,720      | 2,690     | 8.66 m  |
|  | 0 ft   | lb    |              |           | *17,100       | *17,100   | *24,200       | 14,630    | 17,560        | 9,800     | 12,560        | 7,150     | 10,410     | 5,930     | 28.4 ft |
|  | -1.5 m   | kg    | *6,240       | *6,240    | *10,720       | *10,720   | *10,710       | 6,600     | *7,900        | 4,410     | 5,760         | 3,250     | 5,080      | 2,880     | 8.2 m   |
|  | -5 ft  | lb    | *13,960      | *13,960   | *24,360       | *24,360   | *23,220       | 14,230    | *17,100       | 9,510     | 12,410        | 7,010     | 11,220     | 6,370     | 26.9 ft |
|  | -3 m   | kg    |              |           | *12,610       | *12,610   | *9,260        | 6,620     | *6,880        | 4,410     |               |           | *4,890     | 3,340     | 7.41 m  |
| -10 ft   | lb   |       |              | *27,290   | 27,090        | *19,990   | 14,270        | *14,770   | 9,520         |           |               | *10,750   | 7,420      | 24.2 ft   |         |
| -4.5 m   | kg   |       |              |           |               | *6,500    | *6,500        |           |               |           |               |           |            | 6.15 m    |         |
| -15 ft   | lb   |       |              |           |               | *13,730   | *13,730       |           |               |           |               |           |            | 19.9 ft   |         |
| <b>Boom :</b><br>5.57 m VA<br>18'3" VA<br><b>Arm :</b><br>2.0 m<br>6'7" ME<br><b>Shoe :</b><br>600 mm<br>24"<br><b>CWT :</b><br>2,600 kg<br>5,730 lb     | 7.5 m  | kg    |              |           |               |           | *8,520        | *8,520    |               |           |               |           | *8,400     | 8,000     | 4.75 m  |
|  | 25 ft  | lb    |              |           |               |           | *18,910       | 18,800    |               |           |               |           | *18,890    | 18,610    | 15.1 ft |
|  | 6 m  | kg    |              |           |               |           | *8,490        | *8,490    | *7,370        | 5,440     |               |           | *7,300     | 5,180     | 6.17 m  |
|  | 20 ft  | lb    |              |           |               |           | *18,480       | *18,480   | *16,200       | 11,660    |               |           | *16,200    | 11,640    | 20.0 ft |
|  | 4.5 m  | kg    |              |           |               |           | *9,450        | 8,240     | *7,560        | 5,300     |               |           | *6,860     | 4,140     | 6.99 m  |
|  | 15 ft  | lb    |              |           |               |           | *20,430       | 17,810    | *16,450       | 11,430    |               |           | *15,160    | 9,210     | 22.8 ft |
|  | 3 m  | kg    |              |           |               |           | *10,730       | 7,570     | *8,010        | 5,040     |               |           | 6,210      | 3,670     | 7.41 m  |
|  | 10 ft  | lb    |              |           |               |           | *23,170       | 16,380    | *17,370       | 10,880    |               |           | 13,720     | 8,120     | 24.3 ft |
|  | 1.5 m  | kg    |              |           |               |           |               |           | *8,270        | 4,800     | 5,990         | 3,520     | 5,980      | 3,510     | 7.51 m  |
|  | 5 ft   | lb    |              |           |               |           | *24,470       | 15,300    | *17,940       | 10,360    |               |           | 13,200     | 7,750     | 24.6 ft |
|  | 0 m  | kg    |              |           |               |           | *10,700       | 6,920     | *8,030        | 4,660     |               |           | 6,180      | 3,600     | 7.3 m   |
|  | 0 ft   | lb    |              |           |               |           | *23,270       | 14,920    | *17,390       | 10,070    |               |           | 13,640     | 7,950     | 23.9 ft |
|  | -1.5 m   | kg    |              |           |               |           | *9,200        | 6,950     | *6,990        | 4,660     |               |           | *5,760     | 4,020     | 6.75 m  |
|  | -5 ft  | lb    |              |           | *22,450       | *22,450   | *19,990       | 14,990    | *15,050       | 10,080    |               |           | *12,690    | 8,900     | 22.1 ft |
|  | -3 m   | kg    |              |           |               |           | *6,550        | *6,550    |               |           |               |           |            |           | 5.75 m  |
|  | -10 ft   | lb    |              |           |               |           | *14,040       | *14,040   |               |           |               |           |            |           | 18.7 ft |
|  | <b>Boom :</b><br>5.57 m VA<br>18'3" VA<br><b>Arm :</b><br>2.5 m<br>8'2" HD<br><b>Shoe :</b><br>600 mm<br>24"<br><b>CWT :</b><br>2,600 kg<br>5,730 lb | 7.5 m | kg           |           |               |           |               | *7,750    | *7,750        |           |               |           |            | *6,780    | 6,470   |
| 25 ft  |  | lb    |              |           |               |           | *17,100       | *17,100   |               |           |               |           | *15,140    | 14,850    | 17.5 ft |
| 6 m  |  | kg    |              |           |               |           | *7,890        | *7,890    | *6,910        | 5,570     |               |           | *6,200     | 4,560     | 6.73 m  |
| 20 ft  |  | lb    |              |           |               |           | *17,190       | *17,190   | *15,140       | 11,970    |               |           | *13,710    | 10,220    | 21.9 ft |
| 4.5 m  |  | kg    |              |           | *12,530       | *12,530   | *8,890        | 8,440     | *7,230        | 5,390     |               |           | *6,070     | 3,750     | 7.49 m  |
| 15 ft  |  | lb    |              |           | *26,820       | *26,820   | *19,230       | 18,230    | *15,720       | 11,630    |               |           | *13,390    | 8,330     | 24.5 ft |
| 3 m  |  | kg    |              |           |               |           | *10,290       | 7,760     | *7,770        | 5,110     | 6,140         | 3,650     | 5,670      | 3,360     | 7.88 m  |
| 10 ft  |  | lb    |              |           |               |           | *22,220       | 16,780    | *16,860       | 11,040    | 13,210        | 7,850     | 12,530     | 7,440     | 25.8 ft |
| 1.5 m  |  | kg    |              |           |               |           | *11,200       | 7,190     | *8,190        | 4,840     | 6,010         | 3,530     | 5,480      | 3,220     | 7.98 m  |
| 5 ft   |  | lb    |              |           |               |           | *24,250       | 15,540    | *17,750       | 10,450    | 12,940        | 7,600     | 12,080     | 7,110     | 26.2 ft |
| 0 m  |  | kg    |              |           |               |           | *11,030       | 6,930     | *8,150        | 4,660     | 5,920         | 3,450     | 5,620      | 3,280     | 7.78 m  |
| 0 ft   |  | lb    |              |           |               |           | *23,930       | 14,940    | *17,660       | 10,070    | 12,760        | 7,440     | 12,400     | 7,250     | 25.5 ft |
| -1.5 m   |  | kg    |              |           | *11,380       | *11,380   | *9,860        | 6,900     | *7,420        | 4,620     |               |           | *5,550     | 3,610     | 7.26 m  |
| -5 ft  |  | lb    |              |           | *26,030       | *26,030   | *21,400       | 14,870    | *16,020       | 9,970     |               |           | *12,220    | 7,970     | 23.8 ft |
| -3 m   |  | kg    |              |           |               |           | *7,640        | 7,040     | *5,530        | 4,720     |               |           | *4,860     | 4,410     | 6.35 m  |
| -10 ft   |  | lb    |              |           |               |           | *16,440       | 15,180    | *11,600       | 10,230    |               |           | *10,640    | 9,810     | 20.7 ft |

Notes: 1. Machine in "Fine Mode-F" (Power Boost) for lifting capacities. 2. The above loads are in compliance with SAE J1097 and ISO 10567 Hydraulic Excavator Lifting Capacity Standards. 3. Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. 4. Rated loads marked with an asterisk (\*) are limited by hydraulic capacity rather than tipping load.

# Specifications

## LIFTING CAPACITY EC230F Electric L

Lifting capacity 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 coupler from the following values.

|  | Lifting hook related to ground level |    | 1.5 m / 5 ft |           | 3.0 m / 10 ft |           | 4.5 m / 15 ft |           | 6.0 m / 20 ft |           | 7.5 m / 25 ft |           | Max. reach |           | Max.    |         |
|--|--------------------------------------|----|--------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|------------|-----------|---------|---------|
|  |                                      |    | Along UC     | Across UC | Along UC      | Across UC | Along UC      | Across UC | Along UC      | Across UC | Along UC      | Across UC | Along UC   | Across UC |         |         |
| <b>Boom :</b><br>5.57 m VA<br>18'3" VA<br><b>Arm :</b><br>2.9 m HD<br>9'6" HD<br><b>Shoe :</b><br>600 mm<br>24"<br><b>CWT :</b><br>2,600 kg<br>5,730 lb  | 9 m                                  | kg |              |           |               |           |               |           |               |           |               |           | *6,130     | *6,130    | 4.02 m  |         |
|  | 30 ft                                | lb |              |           |               |           |               |           |               |           |               |           | *14,050    | *14,050   | 12.3 ft |         |
|  | 7.5 m                                | kg |              |           |               |           | *7,010        | *7,010    | *5,060        | *5,060    |               |           | *4,930     | *4,930    | 6.03 m  |         |
|  | 25 ft                                | lb |              |           |               |           | *15,430       | *15,430   |               |           |               |           | *10,990    | *10,990   | 19.4 ft |         |
|  | 6 m                                  | kg |              |           |               |           | *7,060        | *7,060    | *6,560        | 5,680     |               |           | *4,550     | 4,130     | 7.19 m  |         |
|  | 20 ft                                | lb |              |           |               |           | *15,560       | *15,560   | *14,370       | 12,210    |               |           | *10,050    | 9,250     | 23.4 ft |         |
|  | 4.5 m                                | kg |              |           | *9,020        | *9,020    | *8,420        | *8,420    | *6,950        | 5,490     | *6,090        | 3,810     | *4,450     | 3,460     | 7.9 m   |         |
|  | 15 ft                                | lb |              |           | *18,930       | *18,930   | *18,240       | *18,240   | *15,120       | 11,830    | *12,650       | 8,170     | *9,820     | 7,690     | 25.8 ft |         |
|  | 3 m                                  | kg |              |           |               |           | *9,890        | 7,940     | *7,560        | 5,190     | 6,190         | 3,690     | *4,550     | 3,130     | 8.28 m  |         |
|  | 10 ft                                | lb |              |           |               |           | *21,360       | 17,150    | *16,400       | 11,200    | 13,320        | 7,940     | *10,010    | 6,920     | 27.1 ft |         |
|  | 1.5 m                                | kg |              |           |               |           | *11,010       | 7,290     | *8,070        | 4,890     | 6,030         | 3,540     | *4,830     | 3,000     | 8.37 m  |         |
|  | 5 ft                                 | lb |              |           |               |           | *23,830       | 15,750    | *17,500       | 10,550    | 12,990        | 7,640     | *10,640    | 6,630     | 27.5 ft |         |
|  | 0 m                                  | kg |              |           | *5,880        | *5,880    | *11,140       | 6,940     | *8,180        | 4,670     | 5,910         | 3,440     | 5,230      | 3,050     | 8.18 m  |         |
|  | 0 ft                                 | lb |              |           | *13,590       | *13,590   | *24,160       | 14,960    | 17,710        | 10,080    | 12,750        | 7,420     | 11,530     | 6,740     | 26.8 ft |         |
|  | -1.5 m                               | kg |              |           | *10,770       | *10,770   | *10,260       | 6,850     | *7,660        | 4,590     | *5,630        | 3,420     | *5,330     | 3,310     | 7.69 m  |         |
|  | -5 ft                                | lb |              |           | *24,540       | *24,540   | *22,250       | 14,760    | *16,570       | 9,910     | *11,960       | 7,390     | *11,730    | 7,330     | 25.2 ft |         |
| -3 m   | kg                                   |    |              | *10,650   | *10,650       | *8,360    | 6,940         | *6,190    | 4,650         |           |               | *4,810    | 3,950      | 6.84 m    |         |         |
| -10 ft   | lb                                   |    |              | *23,070   | *23,070       | *18,020   | 14,980        | *13,190   | 10,050        |           |               | *10,560   | 8,770      | 22.3 ft   |         |         |
| <b>Boom :</b><br>5.57 m VA<br>18'3" VA<br><b>Arm :</b><br>3.5 m GP<br>11'6" GP<br><b>Shoe :</b><br>600 mm<br>24"<br><b>CWT :</b><br>2,600 kg<br>5,730 lb | 9 m                                  | kg |              |           |               |           | *5,680        | *5,680    |               |           |               |           | *4,920     | *4,920    | 4.94 m  |         |
|  | 30 ft                                | lb |              |           |               |           | *11,760       | *11,760   |               |           |               |           | *11,120    | *11,120   | 15.5 ft |         |
|  | 7.5 m                                | kg |              |           |               |           |               |           | *5,400        | *5,400    |               |           | *4,200     | *4,200    | 6.67 m  |         |
|  | 25 ft                                | lb |              |           |               |           |               |           | *11,430       | *11,430   |               |           | *9,350     | *9,350    | 21.5 ft |         |
|  | 6 m                                  | kg |              |           |               |           |               |           | *5,970        | 5,800     | *4,660        | 3,940     | *3,960     | 3,710     | 7.73 m  |         |
|  | 20 ft                                | lb |              |           |               |           |               |           | *13,060       | 12,470    | *9,200        | 8,420     | *8,740     | 8,300     | 25.2 ft |         |
|  | 4.5 m                                | kg |              |           |               |           | *6,700        | *6,700    | *6,460        | 5,590     | *5,730        | 3,870     | *3,920     | 3,160     | 8.4 m   |         |
|  | 15 ft                                | lb |              |           |               |           | *14,610       | *14,610   | *14,050       | 12,050    | *12,520       | 8,320     | *8,630     | 7,010     | 27.5 ft |         |
|  | 3 m                                  | kg |              |           | *13,880       | *13,880   | *9,170        | 8,180     | *7,150        | 5,280     | *6,010        | 3,720     | *4,030     | 2,870     | 8.75 m  |         |
|  | 10 ft                                | lb |              |           | *29,760       | *29,760   | *19,830       | 17,660    | *15,520       | 11,390    | *13,090       | 8,020     | *8,870     | 6,350     | 28.7 ft |         |
|  | 1.5 m                                | kg |              |           |               |           | *10,600       | 7,470     | *7,820        | 4,950     | 6,050         | 3,560     | *4,300     | 2,750     | 8.84 m  |         |
|  | 5 ft                                 | lb |              |           |               |           | *22,930       | 16,120    | *16,950       | 10,670    | 13,030        | 7,660     | *9,460     | 6,070     | 29.0 ft |         |
|  | 0 m                                  | kg |              |           | *7,460        | *7,460    | *11,170       | 7,010     | *8,140        | 4,690     | 5,900         | 3,420     | *4,770     | 2,780     | 8.66 m  |         |
|  | 0 ft                                 | lb |              |           | *17,100       | *17,100   | *24,200       | 15,110    | *17,650       | 10,110    | 12,710        | 7,370     | *10,530    | 6,130     | 28.4 ft |         |
|  | -1.5 m                               | kg | *6,240       | *6,240    | *10,720       | *10,720   | *10,710       | 6,820     | *7,900        | 4,550     | 5,820         | 3,350     | 5,140      | 2,970     | 8.2 m   |         |
|  | -5 ft                                | lb | *13,960      | *13,960   | *24,360       | *24,360   | *23,220       | 14,700    | *17,100       | 9,820     | 12,550        | 7,230     | 11,350     | 6,570     | 26.9 ft |         |
| -3 m   | kg                                   |    |              | *12,610   | *12,610       | *9,260    | 6,840         | *6,880    | 4,550         |           |               | *4,890    | 3,450      | 7.41 m    |         |         |
| -10 ft   | lb                                   |    |              | *27,290   | *27,290       | *19,990   | 14,750        | *14,770   | 9,830         |           |               | *10,750   | 7,660      | 24.2 ft   |         |         |
| -4.5 m   | kg                                   |    |              |           |               | *6,500    | *6,500        |           |               |           |               |           |            |           | 6.15 m  |         |
| -15 ft   | lb                                   |    |              |           |               | *13,730   | *13,730       |           |               |           |               |           |            |           | 19.9 ft |         |
| <b>Boom :</b><br>5.57 m VA<br>18'3" VA<br><b>Arm :</b><br>2.0 m ME<br>6'7" ME<br><b>Shoe :</b><br>700 mm<br>28"<br><b>CWT :</b><br>2,600 kg<br>5,730 lb  | 7.5 m                                | kg |              |           |               |           | *8,520        | *8,520    |               |           |               |           | *8,400     | 8,280     | 4.75 m  |         |
|  | 25 ft                                | lb |              |           |               |           | *18,910       | *18,910   |               |           |               |           | *18,890    | *18,890   | 15.1 ft |         |
|  | 6 m                                  | kg |              |           |               |           | *8,490        | *8,490    | *7,370        | 5,640     |               |           | *7,300     | 5,370     | 6.17 m  |         |
|  | 20 ft                                | lb |              |           |               |           | *18,480       | *18,480   | *16,200       | 12,090    |               |           | *16,200    | 12,070    | 20.0 ft |         |
|  | 4.5 m                                | kg |              |           |               |           | *9,450        | 8,560     | *7,560        | 5,500     |               |           | *6,860     | 4,300     | 6.99 m  |         |
|  | 15 ft                                | lb |              |           |               |           | *20,430       | 18,480    | *16,450       | 11,860    |               |           | *15,160    | 9,570     | 22.8 ft |         |
|  | 3 m                                  | kg |              |           |               |           | *10,730       | 7,880     | *8,010        | 5,240     |               |           | 6,310      | 3,820     | 7.41 m  |         |
|  | 10 ft                                | lb |              |           |               |           | *23,170       | 17,040    | *17,370       | 11,310    |               |           | 13,960     | 8,450     | 24.3 ft |         |
|  | 1.5 m                                | kg |              |           |               |           |               |           | *8,270        | 4,990     | 6,100         | 3,660     | 6,090      | 3,660     | 7.51 m  |         |
|  | 5 ft                                 | lb |              |           |               |           | *24,470       | 15,950    | *17,940       | 10,790    |               |           | 13,430     | 8,070     | 24.6 ft |         |
|  | 0 m                                  | kg |              |           |               |           | *10,700       | 7,220     | *8,030        | 4,860     |               |           | *6,200     | 3,750     | 7.3 m   |         |
|  | 0 ft                                 | lb |              |           |               |           | *23,270       | 15,570    | *17,390       | 10,490    |               |           | *13,660    | 8,280     | 23.9 ft |         |
|  | -1.5 m                               | kg |              |           |               |           | *9,200        | 7,260     | *6,990        | 4,860     |               |           | *5,760     | 4,190     | 6.75 m  |         |
|  | -5 ft                                | lb |              |           | *22,450       | *22,450   | *19,990       | 15,640    | *15,050       | 10,500    |               |           | *12,690    | 9,270     | 22.1 ft |         |
|  | -3 m                                 | kg |              |           |               |           | *6,550        | *6,550    |               |           |               |           |            |           |         | 5.75 m  |
|  | -10 ft                               | lb |              |           |               |           | *14,040       | *14,040   |               |           |               |           |            |           |         | 18.7 ft |

Notes: 1. Machine in "Fine Mode-F" (Power Boost) for lifting capacities. 2. The above loads are in compliance with SAE J1097 and ISO 10567 Hydraulic Excavator Lifting Capacity Standards. 3. Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. 4. Rated loads marked with an asterisk (\*) are limited by hydraulic capacity rather than tipping load.

**LIFTING CAPACITY EC230F Electric L**

Lifting capacity 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 coupler from the following values.

|  | Lifting hook related to ground level |         | 1.5 m / 5 ft |           | 3.0 m / 10 ft |           | 4.5 m / 15 ft |           | 6.0 m / 20 ft |           | 7.5 m / 25 ft |           | Max. reach |           | Max.    |
|--|--------------------------------------|---------|--------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|------------|-----------|---------|
|  |                                      |         | Along UC     | Across UC | Along UC      | Across UC | Along UC      | Across UC | Along UC      | Across UC | Along UC      | Across UC | Along UC   | Across UC |         |
| <b>Boom :</b><br>5.57 m VA<br>18'3" VA<br><b>Arm :</b><br>2.5 m HD<br>8'2" HD<br><b>Shoe :</b><br>700 mm<br>28"<br><b>CWT :</b><br>2,600 kg<br>5,730 lb  | 7.5 m                                | kg      |              |           |               |           | *7,750        | *7,750    |               |           |               |           | *6,780     | 6,700     | 5.47 m  |
|  | 25 ft                                | lb      |              |           |               |           | *17,100       | *17,100   |               |           |               |           | *15,140    | *15,140   | 17.5 ft |
|  | 6 m                                  | kg      |              |           |               |           | *7,890        | *7,890    | *6,910        | 5,770     |               |           | *6,200     | 4,730     | 6.73 m  |
|  | 20 ft                                | lb      |              |           |               |           | *17,190       | *17,190   | *15,140       | 12,400    |               |           | *13,710    | 10,600    | 21.9 ft |
|  | 4.5 m                                | kg      |              |           | *12,530       | *12,530   | *8,890        | 8,760     | *7,230        | 5,600     |               |           | *6,070     | 3,900     | 7.49 m  |
|  | 15 ft                                | lb      |              |           | *26,820       | *26,820   | *19,230       | 18,910    | *15,720       | 12,060    |               |           | *13,390    | 8,660     | 24.5 ft |
|  | 3 m                                  | kg      |              |           |               |           | *10,290       | 8,080     | *7,770        | 5,310     | 6,240         | 3,790     | 5,770      | 3,500     | 7.88 m  |
|  | 10 ft                                | lb      |              |           |               |           | *22,220       | 17,450    | *16,860       | 11,470    | 13,440        | 8,160     | 12,740     | 7,740     | 25.8 ft |
|  | 1.5 m                                | kg      |              |           |               |           | *11,200       | 7,500     | *8,190        | 5,040     | 6,110         | 3,670     | 5,570      | 3,350     | 7.98 m  |
|  | 5 ft                                 | lb      |              |           |               |           | *24,250       | 16,190    | *17,750       | 10,870    | 13,160        | 7,920     | 12,290     | 7,400     | 26.2 ft |
|  | 0 m                                  | kg      |              |           |               |           | *11,030       | 7,230     | *8,150        | 4,860     | 6,020         | 3,590     | 5,720      | 3,420     | 7.78 m  |
|  | 0 ft                                 | lb      |              |           |               |           | *23,930       | 15,600    | *17,660       | 10,490    | 12,990        | 7,760     | 12,620     | 7,550     | 25.5 ft |
|  | -1.5 m                               | kg      |              |           | *11,380       | *11,380   | *9,860        | 7,200     | *7,420        | 4,810     |               |           | *5,550     | 3,760     | 7.26 m  |
|  | -5 ft                                | lb      |              |           | *26,030       | *26,030   | *21,400       | 15,520    | *16,020       | 10,390    |               |           | *12,220    | 8,310     | 23.8 ft |
| -3 m   | kg                                   |         |              |           |               | *7,640    | 7,340         | *5,530    | 4,920         |           |               | *4,860    | 4,590      | 6.35 m    |         |
| -10 ft   | lb                                   |         |              |           |               | *16,440   | 15,830        | *11,600   | 10,660        |           |               | *10,640   | 10,210     | 20.7 ft   |         |
| <b>Boom :</b><br>5.57 m VA<br>18'3" VA<br><b>Arm :</b><br>2.9 m HD<br>9'6" HD<br><b>Shoe :</b><br>700 mm<br>28"<br><b>CWT :</b><br>2,600 kg<br>5,730 lb  | 9 m                                  | kg      |              |           |               |           |               |           |               |           |               |           | *6,130     | *6,130    | 4.02 m  |
|  | 30 ft                                | lb      |              |           |               |           |               |           |               |           |               |           | *14,050    | *14,050   | 12.3 ft |
|  | 7.5 m                                | kg      |              |           |               |           | *7,010        | *7,010    | *5,060        | *5,060    |               |           | *4,930     | *4,930    | 6.03 m  |
|  | 25 ft                                | lb      |              |           |               |           | *15,430       | *15,430   |               |           |               |           | *10,990    | *10,990   | 19.4 ft |
|  | 6 m                                  | kg      |              |           |               |           | *7,060        | *7,060    | *6,560        | 5,880     |               |           | *4,550     | 4,290     | 7.19 m  |
|  | 20 ft                                | lb      |              |           |               |           | *15,560       | *15,560   | *14,370       | 12,640    |               |           | *10,550    | 9,590     | 23.4 ft |
|  | 4.5 m                                | kg      |              |           | *9,020        | *9,020    | *8,420        | *8,420    | *6,950        | 5,690     | *6,090        | 3,950     | *4,450     | 3,600     | 7.9 m   |
|  | 15 ft                                | lb      |              |           | *18,930       | *18,930   | *18,240       | *18,240   | *15,120       | 12,260    | *12,650       | 8,490     | *9,820     | 7,990     | 25.8 ft |
|  | 3 m                                  | kg      |              |           |               |           | *9,890        | 8,250     | *7,560        | 5,390     | *6,280        | 3,830     | *4,550     | 3,260     | 8.28 m  |
|  | 10 ft                                | lb      |              |           |               |           | *21,360       | 17,820    | *16,400       | 11,630    | 13,540        | 8,250     | *10,010    | 7,210     | 27.1 ft |
|  | 1.5 m                                | kg      |              |           |               |           | *11,010       | 7,600     | *8,070        | 5,080     | 6,130         | 3,690     | *4,830     | 3,130     | 8.37 m  |
|  | 5 ft                                 | lb      |              |           |               |           | *23,830       | 16,410    | *17,500       | 10,970    | 13,220        | 7,950     | *10,640    | 6,910     | 27.5 ft |
|  | 0 m                                  | kg      |              |           | *5,880        | *5,880    | *11,140       | 7,240     | *8,180        | 4,870     | 6,020         | 3,580     | 5,320      | 3,180     | 8.18 m  |
|  | 0 ft                                 | lb      |              |           | *13,590       | *13,590   | *24,160       | 15,620    | *17,740       | 10,510    | 12,970        | 7,730     | 11,730     | 7,020     | 26.8 ft |
| -1.5 m   | kg                                   |         |              | *10,770   | *10,770       | *10,260   | 7,150         | *7,660    | 4,780         | *5,630    | 3,560         | *5,330    | 3,450      | 7.69 m    |         |
| -5 ft  | lb                                   |         |              | *24,540   | *24,540       | *22,250   | 15,410        | *16,570   | 10,330        | *11,960   | 7,710         | *11,730   | 7,640      | 25.2 ft   |         |
| -3 m   | kg                                   |         |              | *10,650   | *10,650       | *8,360    | 7,250         | *6,190    | 4,850         |           |               | *4,810    | 4,110      | 6.84 m    |         |
| -10 ft   | lb                                   |         |              | *23,070   | *23,070       | *18,020   | 15,630        | *13,190   | 10,480        |           |               | *10,560   | 9,140      | 22.3 ft   |         |
| <b>Boom :</b><br>5.57 m VA<br>18'3" VA<br><b>Arm :</b><br>3.5 m GP<br>11'6" GP<br><b>Shoe :</b><br>700 mm<br>28"<br><b>CWT :</b><br>2,600 kg<br>5,730 lb | 9 m                                  | kg      |              |           |               |           | *5,680        | *5,680    |               |           |               |           | *4,920     | *4,920    | 4.94 m  |
|  | 30 ft                                | lb      |              |           |               |           | *11,760       | *11,760   |               |           |               |           | *11,120    | *11,120   | 15.5 ft |
|  | 7.5 m                                | kg      |              |           |               |           |               |           | *5,400        | *5,400    |               |           | *4,200     | *4,200    | 6.67 m  |
|  | 25 ft                                | lb      |              |           |               |           |               |           | *11,430       | *11,430   |               |           | *9,350     | *9,350    | 21.5 ft |
|  | 6 m                                  | kg      |              |           |               |           |               |           | *5,970        | *5,970    | *4,660        | 4,080     | *3,960     | 3,850     | 7.73 m  |
|  | 20 ft                                | lb      |              |           |               |           |               |           | *13,060       | 12,910    | *9,200        | 8,740     | *8,740     | 8,610     | 25.2 ft |
|  | 4.5 m                                | kg      |              |           |               |           | *6,700        | *6,700    | *6,460        | 5,790     | *5,730        | 4,020     | *3,920     | 3,290     | 8.4 m   |
|  | 15 ft                                | lb      |              |           |               |           | *14,610       | *14,610   | *14,050       | 12,490    | *12,520       | 8,630     | *8,630     | 7,290     | 27.5 ft |
|  | 3 m                                  | kg      |              |           | *13,880       | *13,880   | *9,170        | 8,490     | *7,150        | 5,480     | *6,010        | 3,870     | *4,030     | 2,990     | 8.75 m  |
|  | 10 ft                                | lb      |              |           | *29,760       | *29,760   | *19,830       | 18,330    | *15,520       | 11,820    | *13,090       | 8,330     | *8,870     | 6,610     | 28.7 ft |
|  | 1.5 m                                | kg      |              |           |               |           | *10,600       | 7,780     | *7,820        | 5,140     | 6,150         | 3,700     | *4,300     | 2,870     | 8.84 m  |
|  | 5 ft                                 | lb      |              |           |               |           | *22,930       | 16,790    | *16,950       | 11,100    | 13,250        | 7,980     | *9,460     | 6,330     | 29.0 ft |
|  | 0 m                                  | kg      |              |           | *7,460        | *7,460    | *11,170       | 7,310     | *8,140        | 4,880     | 6,000         | 3,560     | *4,770     | 2,900     | 8.66 m  |
|  | 0 ft                                 | lb      |              |           | *17,100       | *17,100   | *24,200       | 15,770    | *17,650       | 10,540    | 12,930        | 7,690     | *10,530    | 6,390     | 28.4 ft |
| -1.5 m   | kg                                   | *6,240  | *6,240       | *10,720   | *10,720       | *10,710   | 7,130         | *7,900    | 4,750         | 5,920     | 3,500         | *5,160    | 3,100      | 8.2 m     |         |
| -5 ft  | lb                                   | *13,960 | *13,960      | *24,360   | *24,360       | *23,220   | 15,350        | *17,100   | 10,240        | 12,770    | 7,550         | *11,370   | 6,860      | 26.9 ft   |         |
| -3 m   | kg                                   |         |              | *12,610   | *12,610       | *9,260    | 7,140         | *6,880    | 4,750         |           |               | *4,890    | 3,600      | 7.41 m    |         |
| -10 ft   | lb                                   |         |              | *27,290   | *27,290       | *19,990   | 15,400        | *14,770   | 10,250        |           |               | *10,750   | 7,980      | 24.2 ft   |         |
| -4.5 m   | kg                                   |         |              |           |               | *6,500    | *6,500        |           |               |           |               |           |            | 6.15 m    |         |
| -15 ft   | lb                                   |         |              |           |               | *13,730   | *13,730       |           |               |           |               |           |            | 19.9 ft   |         |

Notes: 1. Machine in "Fine Mode-F" (Power Boost) for lifting capacities. 2. The above loads are in compliance with SAE J1097 and ISO 10567 Hydraulic Excavator Lifting Capacity Standards. 3. Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. 4. Rated loads marked with an asterisk (\*) are limited by hydraulic capacity rather than tipping load.

# Specifications

## LIFTING CAPACITY EC230F Electric L

Lifting capacity 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 coupler from the following values.

|   | Lifting hook related to ground level |    | 1.5 m / 5 ft |           | 3.0 m / 10 ft |           | 4.5 m / 15 ft |           | 6.0 m / 20 ft |           | 7.5 m / 25 ft |           | Max. reach |           | Max.    |
|---|--------------------------------------|----|--------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|------------|-----------|---------|
|   |                                      |    | Along UC     | Across UC | Along UC      | Across UC | Along UC      | Across UC | Along UC      | Across UC | Along UC      | Across UC | Along UC   | Across UC |         |
| Boom :<br>5.57 m VA<br>18'3" VA<br>Arm :<br>2.0 m ME<br>6'7" ME<br>Shoe :<br>800 mm<br>32"<br>CWT :<br>2,600 kg<br>5,730 lb | 7.5 m                                | kg |              |           |               |           | *8,520        | *8,520    |               |           |               |           | *8,400     | *8,400    | 4.75 m  |
|   | 25 ft                                | lb |              |           |               |           | *18,910       | *18,910   |               |           |               |           | *18,890    | *18,890   | 15.1 ft |
|   | 6 m                                  | kg |              |           |               |           | *8,490        | *8,490    | *7,370        | 5,820     |               |           | *7,300     | 5,540     | 6.17 m  |
|   | 20 ft                                | lb |              |           |               |           | *18,480       | *18,480   | *16,200       | 12,470    |               |           | *16,200    | 12,460    | 20.0 ft |
|   | 4.5 m                                | kg |              |           |               |           | *9,450        | 8,840     | *7,560        | 5,680     |               |           | *6,860     | 4,450     | 6.99 m  |
|   | 15 ft                                | lb |              |           |               |           | *20,430       | 19,090    | *16,450       | 12,250    |               |           | *15,160    | 9,880     | 22.8 ft |
|   | 3 m                                  | kg |              |           |               |           | *10,730       | 8,160     | *8,010        | 5,420     |               |           | 6,390      | 3,950     | 7.41 m  |
|   | 10 ft                                | lb |              |           |               |           | *23,170       | 17,640    | *17,370       | 11,690    |               |           | 14,110     | 8,740     | 24.3 ft |
|   | 1.5 m                                | kg |              |           |               |           |               |           | *8,270        | 5,170     | 6,170         | 3,790     | 6,160      | 3,780     | 7.51 m  |
|   | 5 ft                                 | lb |              |           |               |           |               |           | *24,470       | 16,540    | *17,940       | 11,170    | 13,580     | 8,350     | 24.6 ft |
|   | 0 m                                  | kg |              |           |               |           | *10,700       | 7,500     | *8,030        | 5,030     |               |           | *6,200     | 3,890     | 7.3 m   |
|   | 0 ft                                 | lb |              |           |               |           | *23,270       | 16,160    | *17,390       | 10,870    |               |           | *13,660    | 8,580     | 23.9 ft |
|   | -1.5 m                               | kg |              |           |               |           | *9,200        | 7,530     | *6,990        | 5,030     |               |           | *5,760     | 4,340     | 6.75 m  |
|   | -5 ft                                | lb |              |           | *22,450       | *22,450   | *19,990       | 16,230    | *15,050       | 10,880    |               |           | *12,690    | 9,600     | 22.1 ft |
|   | -3 m                                 | kg |              |           |               |           | *6,550        | *6,550    |               |           |               |           |            |           | 5.75 m  |
|   | -10 ft                               | lb |              |           |               |           | *14,040       | *14,040   |               |           |               |           |            |           | 18.7 ft |
| Boom :<br>5.57 m VA<br>18'3" VA<br>Arm :<br>2.5 m HD<br>8'2" HD<br>Shoe :<br>800 mm<br>32"<br>CWT :<br>2,600 kg<br>5,730 lb | 7.5 m                                | kg |              |           |               |           | *7,750        | *7,750    |               |           |               |           | *6,780     | *6,780    | 5.47 m  |
|   | 25 ft                                | lb |              |           |               |           | *17,100       | *17,100   |               |           |               |           | *15,140    | *15,140   | 17.5 ft |
|   | 6 m                                  | kg |              |           |               |           | *7,890        | *7,890    | *6,910        | 5,950     |               |           | *6,200     | 4,880     | 6.73 m  |
|   | 20 ft                                | lb |              |           |               |           | *17,190       | *17,190   | *15,140       | 12,790    |               |           | *13,710    | 10,940    | 21.9 ft |
|   | 4.5 m                                | kg |              |           | *12,530       | *12,530   | *8,890        | *8,890    | *7,230        | 5,780     |               |           | *6,070     | 4,030     | 7.49 m  |
|   | 15 ft                                | lb |              |           | *26,820       | *26,820   | *19,230       | *19,230   | *15,720       | 12,450    |               |           | *13,390    | 8,950     | 24.5 ft |
|   | 3 m                                  | kg |              |           |               |           | *10,290       | 8,360     | *7,770        | 5,490     | 6,310         | 3,920     | 5,830      | 3,620     | 7.88 m  |
|   | 10 ft                                | lb |              |           |               |           | *22,220       | 18,050    | *16,860       | 11,850    | 13,590        | 8,440     | 12,890     | 8,000     | 25.8 ft |
|   | 1.5 m                                | kg |              |           |               |           | *11,200       | 7,780     | *8,190        | 5,210     | 6,180         | 3,800     | 5,640      | 3,470     | 7.98 m  |
|   | 5 ft                                 | lb |              |           |               |           | *24,250       | 16,790    | *17,750       | 11,260    | 13,320        | 8,190     | 12,440     | 7,660     | 26.2 ft |
|   | 0 m                                  | kg |              |           |               |           | *11,030       | 7,510     | *8,150        | 5,040     | 6,090         | 3,720     | 5,790      | 3,550     | 7.78 m  |
|   | 0 ft                                 | lb |              |           |               |           | *23,930       | 16,190    | *17,660       | 10,870    | 13,140        | 8,030     | 12,770     | 7,820     | 25.5 ft |
|   | -1.5 m                               | kg |              |           | *11,380       | *11,380   | *9,860        | 7,480     | *7,420        | 4,990     |               |           | *5,550     | 3,890     | 7.26 m  |
|   | -5 ft                                | lb |              |           | *26,030       | *26,030   | *21,400       | 16,110    | *16,020       | 10,770    |               |           | *12,220    | 8,600     | 23.8 ft |
|   | -3 m                                 | kg |              |           |               |           | *7,640        | 7,620     | *5,530        | 5,100     |               |           | *4,860     | 4,750     | 6.35 m  |
|   | -10 ft                               | lb |              |           |               |           | *16,440       | 16,420    | *11,600       | 11,040    |               |           | *10,640    | 10,570    | 20.7 ft |
| Boom :<br>5.57 m VA<br>18'3" VA<br>Arm :<br>2.9 m HD<br>9'6" HD<br>Shoe :<br>800 mm<br>32"<br>CWT :<br>2,600 kg<br>5,730 lb | 9 m                                  | kg |              |           |               |           |               |           |               |           |               |           | *6,130     | *6,130    | 4.02 m  |
|   | 30 ft                                | lb |              |           |               |           |               |           |               |           |               |           | *14,050    | *14,050   | 12.3 ft |
|   | 7.5 m                                | kg |              |           |               |           | *7,010        | *7,010    | *5,060        | *5,060    |               |           | *4,930     | *4,930    | 6.03 m  |
|   | 25 ft                                | lb |              |           |               |           | *15,430       | *15,430   |               |           |               |           | *10,990    | *10,990   | 19.4 ft |
|   | 6 m                                  | kg |              |           |               |           | *7,060        | *7,060    | *6,560        | 6,060     |               |           | *4,550     | 4,420     | 7.19 m  |
|   | 20 ft                                | lb |              |           |               |           | *15,560       | *15,560   | *14,370       | 13,030    |               |           | *10,050    | 9,900     | 23.4 ft |
|   | 4.5 m                                | kg |              |           | *9,020        | *9,020    | *8,420        | *8,420    | *6,950        | 5,870     | *6,090        | 4,080     | *4,450     | 3,720     | 7.9 m   |
|   | 15 ft                                | lb |              |           | *18,930       | *18,930   | *18,240       | *18,240   | *15,120       | 12,650    | *12,650       | 8,770     | *9,820     | 8,260     | 25.8 ft |
|   | 3 m                                  | kg |              |           |               |           | *9,890        | 8,530     | *7,560        | 5,570     | *6,280        | 3,960     | *4,550     | 3,370     | 8.28 m  |
|   | 10 ft                                | lb |              |           |               |           | *21,360       | 18,430    | *16,400       | 12,010    | *13,660       | 8,530     | *10,010    | 7,460     | 27.1 ft |
|   | 1.5 m                                | kg |              |           |               |           | *11,010       | 7,880     | *8,070        | 5,260     | 6,210         | 3,820     | *4,830     | 3,240     | 8.37 m  |
|   | 5 ft                                 | lb |              |           |               |           | *23,830       | 17,000    | *17,500       | 11,360    | 13,370        | 8,230     | *10,640    | 7,150     | 27.5 ft |
|   | 0 m                                  | kg |              |           | *5,880        | *5,880    | *11,140       | 7,520     | *8,180        | 5,040     | 6,090         | 3,710     | *5,370     | 3,300     | 8.18 m  |
|   | 0 ft                                 | lb |              |           | *13,590       | *13,590   | *24,160       | 16,210    | *17,740       | 10,890    | 13,120        | 8,010     | *11,830    | 7,270     | 26.8 ft |
|   | -1.5 m                               | kg |              |           | *10,770       | *10,770   | *10,260       | 7,430     | *7,660        | 4,960     | *5,630        | 3,690     | *5,330     | 3,580     | 7.69 m  |
|   | -5 ft                                | lb |              |           | *24,540       | *24,540   | *22,250       | 16,000    | *16,570       | 10,710    | *11,960       | 7,990     | *11,730    | 7,910     | 25.2 ft |
| -3 m  | kg                                   |    |              | *10,650   | *10,650       | *8,360    | 7,520         | *6,190    | 5,020         |           |               | *4,810    | 4,260      | 6.84 m    |         |
| -10 ft  | lb                                   |    |              | *23,070   | *23,070       | *18,020   | 16,220        | *13,190   | 10,860        |           |               | *10,560   | 9,460      | 22.3 ft   |         |

Notes: 1. Machine in "Fine Mode-F" (Power Boost) for lifting capacities. 2. The above loads are in compliance with SAE J1097 and ISO 10567 Hydraulic Excavator Lifting Capacity Standards. 3. Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. 4. Rated loads marked with an asterisk (\*) are limited by hydraulic capacity rather than tipping load.

**LIFTING CAPACITY EC230F Electric L**

Lifting capacity 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 coupler from the following values.

|  | Lifting hook related to ground level  |       | 1.5 m / 5 ft |           | 3.0 m / 10 ft |           | 4.5 m / 15 ft |           | 6.0 m / 20 ft |           | 7.5 m / 25 ft |           | Max. reach |           | Max.    |
|--|---|-------|--------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|------------|-----------|---------|
|  |   |       | Along UC     | Across UC | Along UC      | Across UC | Along UC      | Across UC | Along UC      | Across UC | Along UC      | Across UC | Along UC   | Across UC |         |
| <b>Boom :</b><br>5.57 m VA<br>18'3" VA<br><b>Arm :</b><br>3.5 m GP<br>11'6" GP<br><b>Shoe :</b><br>800 mm<br>32"<br><b>CWT :</b><br>2,600 kg<br>5,730 lb | 9 m   | kg    |              |           |               |           | *5,680        | *5,680    |               |           |               |           | *4,920     | *4,920    | 4.94 m  |
|  | 30 ft   | lb    |              |           |               |           | *11,760       | *11,760   |               |           |               |           | *11,120    | *11,120   | 15.5 ft |
|  | 7.5 m   | kg    |              |           |               |           |               |           | *5,400        | *5,400    |               |           | *4,200     | *4,200    | 6.67 m  |
|  | 25 ft   | lb    |              |           |               |           |               |           | *11,430       | *11,430   |               |           | *9,350     | *9,350    | 21.5 ft |
|  | 6 m   | kg    |              |           |               |           |               |           | *5,970        | *5,970    | *4,660        | 4,210     | *3,960     | *3,960    | 7.73 m  |
|  | 20 ft   | lb    |              |           |               |           |               |           | *13,060       | *13,060   | *9,200        | 9,020     | *8,740     | *8,740    | 25.2 ft |
|  | 4.5 m   | kg    |              |           |               |           | *6,700        | *6,700    | *6,460        | 5,980     | *5,730        | 4,150     | *3,920     | 3,400     | 8.4 m   |
|  | 15 ft   | lb    |              |           |               |           | *14,610       | *14,610   | *14,050       | 12,880    | *12,520       | 8,920     | *8,630     | 7,540     | 27.5 ft |
|  | 3 m   | kg    |              |           | *13,880       | *13,880   | *9,170        | 8,780     | *7,150        | 5,660     | *6,010        | 4,000     | *4,030     | 3,100     | 8.75 m  |
|  | 10 ft   | lb    |              |           | *29,760       | *29,760   | *19,830       | 18,940    | *15,520       | 12,200    | *13,090       | 8,610     | *8,870     | 6,840     | 28.7 ft |
|  | 1.5 m   | kg    |              |           |               |           | *10,600       | 8,060     | *7,820        | 5,320     | 6,220         | 3,830     | *4,300     | 2,970     | 8.84 m  |
|  | 5 ft  | lb    |              |           |               |           | *22,930       | 17,390    | *16,950       | 11,480    | 13,400        | 8,260     | *9,460     | 6,560     | 29.0 ft |
|  | 0 m   | kg    |              |           | *7,460        | *7,460    | *11,170       | 7,590     | *8,140        | 5,060     | 6,070         | 3,690     | *4,770     | 3,000     | 8.66 m  |
|  | 0 ft  | lb    |              |           | *17,100       | *17,100   | *24,200       | 16,360    | *17,650       | 10,920    | 13,080        | 7,960     | *10,530    | 6,630     | 28.4 ft |
|  | -1.5 m  | kg    | *6,240       | *6,240    | *10,720       | *10,720   | *10,710       | 7,400     | *7,900        | 4,920     | 6,000         | 3,620     | *5,160     | 3,220     | 8.2 m   |
|  | -5 ft   | lb    | *13,960      | *13,960   | *24,360       | *24,360   | *23,220       | 15,940    | *17,100       | 10,620    | *12,910       | 7,820     | *11,370    | 7,110     | 26.9 ft |
|  | -3 m  | kg    |              |           | *12,610       | *12,610   | *9,260        | 7,420     | *6,880        | 4,920     |               |           | *4,890     | 3,730     | 7.41 m  |
| -10 ft   | lb  |       |              | *27,290   | *27,290       | *19,990   | 15,990        | *14,770   | 10,630        |           |               | *10,750   | 8,270      | 24.2 ft   |         |
| -4.5 m   | kg  |       |              |           |               | *6,500    | *6,500        |           |               |           |               |           |            | 6.15 m    |         |
| -15 ft   | lb  |       |              |           |               | *13,730   | *13,730       |           |               |           |               |           |            | 19.9 ft   |         |
| <b>Boom :</b><br>5.57 m VA<br>18'3" VA<br><b>Arm :</b><br>2.0 m ME<br>6'7" ME<br><b>Shoe :</b><br>900 mm<br>36"<br><b>CWT :</b><br>2,600 kg<br>5,730 lb  | 7.5 m   | kg    |              |           |               |           | *8,520        | *8,520    |               |           |               |           | *8,400     | *8,400    | 4.75 m  |
|  | 25 ft   | lb    |              |           |               |           | *18,910       | *18,910   |               |           |               |           | *18,890    | *18,890   | 15.1 ft |
|  | 6 m   | kg    |              |           |               |           | *8,490        | *8,490    | *7,370        | 6,000     |               |           | *7,300     | 5,720     | 6.17 m  |
|  | 20 ft   | lb    |              |           |               |           | *18,480       | *18,480   | *16,200       | 12,870    |               |           | *16,200    | 12,850    | 20.0 ft |
|  | 4.5 m   | kg    |              |           |               |           | *9,450        | 9,130     | *7,560        | 5,860     |               |           | *6,860     | 4,590     | 6.99 m  |
|  | 15 ft   | lb    |              |           |               |           | *20,430       | 19,720    | *16,450       | 12,640    |               |           | *15,160    | 10,210    | 22.8 ft |
|  | 3 m   | kg    |              |           |               |           | *10,730       | 8,440     | *8,010        | 5,600     |               |           | 6,460      | 4,090     | 7.41 m  |
|  | 10 ft   | lb    |              |           |               |           | *23,170       | 18,250    | *17,370       | 12,080    |               |           | 14,270     | 9,040     | 24.3 ft |
|  | 1.5 m   | kg    |              |           |               |           |               |           | *8,270        | 5,350     | 6,240         | 3,920     | 6,230      | 3,920     | 7.51 m  |
|  | 5 ft  | lb    |              |           |               |           | *24,470       | 17,150    | *17,940       | 11,550    |               |           | 13,740     | 8,640     | 24.6 ft |
|  | 0 m   | kg    |              |           |               |           | *10,700       | 7,780     | *8,030        | 5,210     |               |           | *6,200     | 4,020     | 7.3 m   |
|  | 0 ft  | lb    |              |           |               |           | *23,270       | 16,760    | *17,390       | 11,250    |               |           | *13,660    | 8,870     | 23.9 ft |
|  | -1.5 m  | kg    |              |           |               |           | *9,200        | 7,810     | *6,990        | 5,210     |               |           | *5,760     | 4,490     | 6.75 m  |
|  | -5 ft   | lb    |              |           | *22,450       | *22,450   | *19,990       | 16,830    | *15,050       | 11,260    |               |           | *12,690    | 9,930     | 22.1 ft |
|  | -3 m  | kg    |              |           |               |           | *6,550        | *6,550    |               |           |               |           |            |           | 5.75 m  |
|  | -10 ft  | lb    |              |           |               |           | *14,040       | *14,040   |               |           |               |           |            |           | 18.7 ft |
|  | <b>Boom :</b><br>5.57 m VA<br>18'3" VA<br><b>Arm :</b><br>2.5 m HD<br>8'2" HD<br><b>Shoe :</b><br>900 mm<br>36"<br><b>CWT :</b><br>2,600 kg<br>5,730 lb | 7.5 m | kg           |           |               |           |               | *7,750    | *7,750        |           |               |           |            | *6,780    | *6,780  |
| 25 ft  |   | lb    |              |           |               |           | *17,100       | *17,100   |               |           |               |           | *15,140    | *15,140   | 17.5 ft |
| 6 m  |   | kg    |              |           |               |           | *7,890        | *7,890    | *6,910        | 6,140     |               |           | *6,200     | 5,030     | 6.73 m  |
| 20 ft  |   | lb    |              |           |               |           | *17,190       | *17,190   | *15,140       | 13,190    |               |           | *13,710    | 11,280    | 21.9 ft |
| 4.5 m  |   | kg    |              |           | *12,530       | *12,530   | *8,890        | *8,890    | *7,230        | 5,960     |               |           | *6,070     | 4,160     | 7.49 m  |
| 15 ft  |   | lb    |              |           | *26,820       | *26,820   | *19,230       | *19,230   | *15,720       | 12,840    |               |           | *13,390    | 9,240     | 24.5 ft |
| 3 m  |   | kg    |              |           |               |           | *10,290       | 8,640     | *7,770        | 5,670     | 6,380         | 4,050     | 5,900      | 3,740     | 7.88 m  |
| 10 ft  |   | lb    |              |           |               |           | *22,220       | 18,670    | *16,860       | 12,240    | 13,740        | 8,730     | 13,040     | 8,280     | 25.8 ft |
| 1.5 m  |   | kg    |              |           |               |           | *11,200       | 8,060     | *8,190        | 5,390     | 6,250         | 3,930     | 5,700      | 3,590     | 7.98 m  |
| 5 ft   |   | lb    |              |           |               |           | *24,250       | 17,390    | *17,750       | 11,640    | 13,470        | 8,480     | 12,580     | 7,930     | 26.2 ft |
| 0 m  |   | kg    |              |           |               |           | *11,030       | 7,790     | *8,150        | 5,210     | 6,160         | 3,850     | *5,840     | 3,670     | 7.78 m  |
| 0 ft   |   | lb    |              |           |               |           | *23,930       | 16,790    | *17,660       | 11,250    | 13,290        | 8,320     | *12,890    | 8,090     | 25.5 ft |
| -1.5 m   |   | kg    |              |           | *11,380       | *11,380   | *9,860        | 7,760     | *7,420        | 5,170     |               |           | *5,550     | 4,030     | 7.26 m  |
| -5 ft  |   | lb    |              |           | *26,030       | *26,030   | *21,400       | 16,710    | *16,020       | 11,150    |               |           | *12,220    | 8,900     | 23.8 ft |
| -3 m   |   | kg    |              |           |               |           | *7,640        | *7,640    | *5,530        | 5,280     |               |           | *4,860     | *4,860    | 6.35 m  |
| -10 ft   |   | lb    |              |           |               |           | *16,440       | *16,440   | *11,600       | 11,420    |               |           | *10,640    | *10,640   | 20.7 ft |

Notes: 1. Machine in "Fine Mode-F" (Power Boost) for lifting capacities. 2. The above loads are in compliance with SAE J1097 and ISO 10567 Hydraulic Excavator Lifting Capacity Standards. 3. Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. 4. Rated loads marked with an asterisk (\*) are limited by hydraulic capacity rather than tipping load.

# Specifications

## LIFTING CAPACITY EC230F Electric L

Lifting capacity 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 coupler from the following values.

|  | Lifting hook related to ground level |    | 1.5 m / 5 ft |           | 3.0 m / 10 ft |           | 4.5 m / 15 ft |           | 6.0 m / 20 ft |           | 7.5 m / 25 ft |           | Max. reach |           | Max.    |
|--|--------------------------------------|----|--------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|------------|-----------|---------|
|  |                                      |    | Along UC     | Across UC | Along UC      | Across UC | Along UC      | Across UC | Along UC      | Across UC | Along UC      | Across UC | Along UC   | Across UC |         |
| <b>Boom :</b><br>5.57 m VA<br>18'3" VA<br><b>Arm :</b><br>2.9 m HD<br>9'6" HD<br><b>Shoe :</b><br>900 mm<br>36"<br><b>CWT :</b><br>2,600 kg<br>5,730 lb  | 9 m                                  | kg |              |           |               |           |               |           |               |           |               |           | *6,130     | *6,130    | 4.02 m  |
|  | 30 ft                                | lb |              |           |               |           |               |           |               |           |               |           | *14,050    | *14,050   | 12.3 ft |
|  | 7.5 m                                | kg |              |           |               |           | *7,010        | *7,010    | *5,060        | *5,060    |               |           | *4,930     | *4,930    | 6.03 m  |
|  | 25 ft                                | lb |              |           |               |           | *15,430       | *15,430   |               |           |               |           | *10,990    | *10,990   | 19.4 ft |
|  | 6 m                                  | kg |              |           |               |           | *7,060        | *7,060    | *6,560        | 6,250     |               |           | *4,550     | *4,550    | 7.19 m  |
|  | 20 ft                                | lb |              |           |               |           | *15,560       | *15,560   | *14,370       | 13,430    |               |           | *10,050    | *10,050   | 23.4 ft |
|  | 4.5 m                                | kg |              |           | *9,020        | *9,020    | *8,420        | *8,420    | *6,950        | 6,050     | *6,090        | 4,210     | *4,450     | 3,840     | 7.9 m   |
|  | 15 ft                                | lb |              |           | *18,930       | *18,930   | *18,240       | *18,240   | *15,120       | 13,050    | *12,650       | 9,050     | *9,820     | 8,530     | 25.8 ft |
|  | 3 m                                  | kg |              |           |               |           | *9,890        | 8,820     | *7,560        | 5,750     | *6,280        | 4,090     | *4,550     | 3,490     | 8.28 m  |
|  | 10 ft                                | lb |              |           |               |           | *21,360       | 19,050    | *16,400       | 12,400    | *13,660       | 8,810     | *10,010    | 7,710     | 27.1 ft |
|  | 1.5 m                                | kg |              |           |               |           | *11,010       | 8,160     | *8,070        | 5,440     | 6,280         | 3,950     | *4,830     | 3,350     | 8.37 m  |
|  | 5 ft                                 | lb |              |           |               |           | *23,830       | 17,610    | *17,500       | 11,740    | 13,520        | 8,520     | *10,640    | 7,400     | 27.5 ft |
|  | 0 m                                  | kg |              |           | *5,880        | *5,880    | *11,140       | 7,800     | *8,180        | 5,220     | 6,160         | 3,840     | *5,370     | 3,410     | 8.18 m  |
|  | 0 ft                                 | lb |              |           | *13,590       | *13,590   | *24,160       | 16,810    | *17,740       | 11,270    | 13,280        | 8,290     | *11,830    | 7,530     | 26.8 ft |
|  | -1.5 m                               | kg |              |           | *10,770       | *10,770   | *10,260       | 7,710     | *7,660        | 5,140     | *5,630        | 3,820     | *5,330     | 3,710     | 7.69 m  |
|  | -5 ft                                | lb |              |           | *24,540       | *24,540   | *22,250       | 16,600    | *16,570       | 11,090    | *11,960       | 8,270     | *11,730    | 8,190     | 25.2 ft |
|  | -3 m                                 | kg |              |           | *10,650       | *10,650   | *8,360        | 7,800     | *6,190        | 5,200     |               |           | *4,810     | 4,410     | 6.84 m  |
|  | -10 ft                               | lb |              |           | *23,070       | *23,070   | *18,020       | 16,830    | *13,190       | 11,240    |               |           | *10,560    | 9,790     | 22.3 ft |
| <b>Boom :</b><br>5.57 m VA<br>18'3" VA<br><b>Arm :</b><br>3.5 m GP<br>11'6" GP<br><b>Shoe :</b><br>900 mm<br>36"<br><b>CWT :</b><br>2,600 kg<br>5,730 lb | 9 m                                  | kg |              |           |               |           | *5,680        | *5,680    |               |           |               |           | *4,920     | *4,920    | 4.94 m  |
|  | 30 ft                                | lb |              |           |               |           | *11,760       | *11,760   |               |           |               |           | *11,120    | *11,120   | 15.5 ft |
|  | 7.5 m                                | kg |              |           |               |           |               |           | *5,400        | *5,400    |               |           | *4,200     | *4,200    | 6.67 m  |
|  | 25 ft                                | lb |              |           |               |           |               |           | *11,430       | *11,430   |               |           | *9,350     | *9,350    | 21.5 ft |
|  | 6 m                                  | kg |              |           |               |           |               |           | *5,970        | *5,970    | *4,660        | 4,350     | *3,960     | *3,960    | 7.73 m  |
|  | 20 ft                                | lb |              |           |               |           |               |           | *13,060       | *13,060   | *9,200        | *9,200    | *8,740     | *8,740    | 25.2 ft |
|  | 4.5 m                                | kg |              |           |               |           | *6,700        | *6,700    | *6,460        | 6,160     | *5,730        | 4,280     | *3,920     | 3,510     | 8.4 m   |
|  | 15 ft                                | lb |              |           |               |           | *14,610       | *14,610   | *14,050       | 13,270    | *12,520       | 9,200     | *8,630     | 7,790     | 27.5 ft |
|  | 3 m                                  | kg |              |           | *13,880       | *13,880   | *9,170        | 9,070     | *7,150        | 5,840     | *6,010        | 4,130     | *4,030     | 3,200     | 8.75 m  |
|  | 10 ft                                | lb |              |           | *29,760       | *29,760   | *19,830       | 19,570    | *15,520       | 12,600    | *13,090       | 8,900     | *8,870     | 7,080     | 28.7 ft |
|  | 1.5 m                                | kg |              |           |               |           | *10,600       | 8,340     | *7,820        | 5,500     | *6,290        | 3,960     | *4,300     | 3,080     | 8.84 m  |
|  | 5 ft                                 | lb |              |           |               |           | *22,930       | 18,000    | *16,950       | 11,870    | 13,560        | 8,540     | *9,460     | 6,790     | 29.0 ft |
|  | 0 m                                  | kg |              |           | *7,460        | *7,460    | *11,170       | 7,870     | *8,140        | 5,240     | 6,140         | 3,820     | *4,770     | 3,110     | 8.66 m  |
|  | 0 ft                                 | lb |              |           | *17,100       | *17,100   | *24,200       | 16,960    | *17,650       | 11,300    | 13,230        | 8,250     | *10,530    | 6,870     | 28.4 ft |
|  | -1.5 m                               | kg | *6,240       | *6,240    | *10,720       | *10,720   | *10,710       | 7,680     | *7,900        | 5,100     | *6,000        | 3,750     | *5,160     | 3,330     | 8.2 m   |
|  | -5 ft                                | lb | *13,960      | *13,960   | *24,360       | *24,360   | *23,220       | 16,550    | *17,100       | 11,010    | *12,910       | 8,110     | *11,370    | 7,370     | 26.9 ft |
|  | -3 m                                 | kg |              |           | *12,610       | *12,610   | *9,260        | 7,700     | *6,880        | 5,100     |               |           | *4,890     | 3,860     | 7.41 m  |
|  | -10 ft                               | lb |              |           | *27,290       | *27,290   | *19,990       | 16,590    | *14,770       | 11,010    |               |           | *10,750    | 8,570     | 24.2 ft |
| -4.5 m   | kg                                   |    |              |           |               | *6,500    | *6,500        |           |               |           |               |           |            | 6.15 m    |         |
| -15 ft   | lb                                   |    |              |           |               | *13,730   | *13,730       |           |               |           |               |           |            | 19.9 ft   |         |

Notes: 1. Machine in "Fine Mode-F" (Power Boost) for lifting capacities. 2. The above loads are in compliance with SAE J1097 and ISO 10567 Hydraulic Excavator Lifting Capacity Standards. 3. Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. 4. Rated loads marked with an asterisk (\*) are limited by hydraulic capacity rather than tipping load.

**LIFTING CAPACITY EC230F Electric L**

Lifting capacity 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 coupler from the following values.

|  | Lifting hook related to ground level |         | 1.5 m / 5 ft |           | 3.0 m / 10 ft |           | 4.5 m / 15 ft |           | 6.0 m / 20 ft |           | 7.5 m / 25 ft |           | Max. reach |           | Max.    |
|--|--------------------------------------|---------|--------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|------------|-----------|---------|
|  |                                      |         | Along UC     | Across UC | Along UC      | Across UC | Along UC      | Across UC | Along UC      | Across UC | Along UC      | Across UC | Along UC   | Across UC |         |
| Boom :<br>5.7 m GP<br>18'8" GP<br>Arm :<br>2.0 m ME<br>6'7" ME<br>Shoe :<br>500 mm<br>20"<br>CWT :<br>2,600 kg<br>5,730 lb | 7.5 m                                | kg      |              |           |               |           |               |           |               |           |               |           | *6,210     | *6,210    | 4.92 m  |
|  | 25 ft                                | lb      |              |           |               |           |               |           |               |           |               |           | *13,800    | *13,800   | 15.6 ft |
|  | 6 m                                  | kg      |              |           |               |           |               |           | *5,950        | 5,350     |               |           | *5,990     | 4,940     | 6.29 m  |
|  | 20 ft                                | lb      |              |           |               |           |               |           | *13,150       | 11,500    |               |           | *13,220    | 11,090    | 20.4 ft |
|  | 4.5 m                                | kg      |              |           |               |           | *7,550        | *7,550    | *6,330        | 5,200     |               |           | *6,030     | 4,000     | 7.1 m   |
|  | 15 ft                                | lb      |              |           |               |           | *16,270       | *16,270   | *13,790       | 11,230    |               |           | *13,280    | 8,880     | 23.2 ft |
|  | 3 m                                  | kg      |              |           |               |           | *9,500        | 7,390     | *7,120        | 4,960     | 6,050         | 3,570     | 6,030      | 3,560     | 7.51 m  |
|  | 10 ft                                | lb      |              |           |               |           | *20,410       | 16,000    | *15,440       | 10,710    |               |           | 13,340     | 7,880     | 24.6 ft |
|  | 1.5 m                                | kg      |              |           |               |           |               |           | *7,890        | 4,730     | 5,950         | 3,480     | 5,820      | 3,410     | 7.61 m  |
|  | 5 ft                                 | lb      |              |           |               |           |               |           | *17,100       | 10,220    |               |           | 12,850     | 7,530     | 25.0 ft |
|  | 0 m                                  | kg      |              |           |               |           | *11,400       | 6,820     | 8,140         | 4,610     |               |           | 6,010      | 3,500     | 7.4 m   |
|  | 0 ft                                 | lb      |              |           |               |           | *24,710       | 14,710    | 17,530        | 9,950     |               |           | 13,250     | 7,710     | 24.3 ft |
|  | -1.5 m                               | kg      |              |           |               |           | *11,020       | 6,850     | 8,130         | 4,600     |               |           | 6,710      | 3,880     | 6.86 m  |
|  | -5 ft                                | lb      |              |           |               |           | *23,920       | 14,760    | 17,510        | 9,930     |               |           | 14,840     | 8,580     | 22.5 ft |
| -3 m   | kg                                   |         |              | *13,170   | *13,170       | *9,790    | 7,010         |           |               |           |               | *7,230    | 4,870      | 5.89 m    |         |
| -10 ft   | lb                                   |         |              | *28,600   | *28,600       | *21,140   | 15,120        |           |               |           |               | *15,960   | 10,850     | 19.2 ft   |         |
| Boom :<br>5.7 m GP<br>18'8" GP<br>Arm :<br>2.5 m HD<br>8'2" HD<br>Shoe :<br>500 mm<br>20"<br>CWT :<br>2,600 kg<br>5,730 lb | 7.5 m                                | kg      |              |           |               |           |               |           |               |           |               |           | *5,560     | *5,560    | 5.61 m  |
|  | 25 ft                                | lb      |              |           |               |           |               |           |               |           |               |           | *12,310    | *12,310   | 18.0 ft |
|  | 6 m                                  | kg      |              |           |               |           |               |           | *5,380        | *5,380    |               |           | *5,480     | 4,370     | 6.85 m  |
|  | 20 ft                                | lb      |              |           |               |           |               |           | *11,840       | 11,740    |               |           | *12,080    | 9,790     | 22.3 ft |
|  | 4.5 m                                | kg      |              |           |               |           | *6,830        | *6,830    | *5,880        | 5,280     | *5,550        | 3,700     | *5,550     | 3,630     | 7.59 m  |
|  | 15 ft                                | lb      |              |           |               |           | *14,750       | *14,750   | *12,800       | 11,390    |               |           | *12,230    | 8,060     | 24.8 ft |
|  | 3 m                                  | kg      |              |           |               |           | *8,800        | 7,570     | *6,740        | 5,020     | *5,840        | 3,610     | 5,520      | 3,270     | 7.98 m  |
|  | 10 ft                                | lb      |              |           |               |           | *18,930       | 16,360    | *14,610       | 10,840    | *12,770       | 7,770     | 12,210     | 7,230     | 26.2 ft |
|  | 1.5 m                                | kg      |              |           |               |           | *10,530       | 7,060     | *7,610        | 4,770     | 5,960         | 3,490     | 5,340      | 3,140     | 8.07 m  |
|  | 5 ft                                 | lb      |              |           |               |           | *22,720       | 15,250    | *16,500       | 10,300    | 12,840        | 7,530     | 11,780     | 6,920     | 26.5 ft |
|  | 0 m                                  | kg      |              |           |               |           | *11,310       | 6,830     | 8,140         | 4,610     | 5,870         | 3,410     | 5,480      | 3,190     | 7.88 m  |
|  | 0 ft                                 | lb      |              |           |               |           | *24,500       | 14,730    | 17,530        | 9,940     | 12,660        | 7,360     | 12,080     | 7,050     | 25.8 ft |
|  | -1.5 m                               | kg      |              |           | *10,740       | *10,740   | *11,240       | 6,800     | 8,080         | 4,560     |               |           | 6,020      | 3,490     | 7.37 m  |
|  | -5 ft                                | lb      |              |           | *24,540       | *24,540   | *24,360       | 14,660    | 17,410        | 9,840     |               |           | 13,300     | 7,710     | 24.1 ft |
| -3 m   | kg                                   |         |              | *14,460   | 13,200        | *10,330   | 6,910         | *7,610    | 4,640         |           |               | *6,830    | 4,210      | 6.48 m    |         |
| -10 ft   | lb                                   |         |              | *31,360   | 28,320        | *22,350   | 14,900        | *16,350   | 10,030        |           |               | *15,080   | 9,370      | 21.1 ft   |         |
| -4.5 m   | kg                                   |         |              | *11,160   | *11,160       | *7,960    | 7,210         |           |               |           |               | *6,960    | 6,270      | 4.98 m    |         |
| -15 ft   | lb                                   |         |              | *23,840   | *23,840       | *16,810   | 15,600        |           |               |           |               | *15,320   | 14,250     | 16.0 ft   |         |
| Boom :<br>5.7 m GP<br>18'8" GP<br>Arm :<br>2.9 m HD<br>9'6" HD<br>Shoe :<br>500 mm<br>20"<br>CWT :<br>2,600 kg<br>5,730 lb | 7.5 m                                | kg      |              |           |               |           |               |           | *5,070        | *5,070    |               |           | *4,900     | *4,900    | 6.16 m  |
|  | 25 ft                                | lb      |              |           |               |           |               |           |               |           |               |           | *10,900    | *10,900   | 19.8 ft |
|  | 6 m                                  | kg      |              |           |               |           |               |           | *4,960        | *4,960    |               |           | *4,560     | 3,970     | 7.3 m   |
|  | 20 ft                                | lb      |              |           |               |           |               |           | *10,900       | *10,900   |               |           | *10,080    | 8,890     | 23.8 ft |
|  | 4.5 m                                | kg      |              |           |               |           |               |           | *5,510        | 5,360     | *5,200        | 3,760     | *4,500     | 3,360     | 8.0 m   |
|  | 15 ft                                | lb      |              |           |               |           |               |           | *12,010       | 11,570    | *11,440       | 8,080     | *9,920     | 7,450     | 26.2 ft |
|  | 3 m                                  | kg      |              |           |               |           | *8,220        | 7,720     | *6,410        | 5,080     | *5,590        | 3,640     | *4,620     | 3,050     | 8.37 m  |
|  | 10 ft                                | lb      |              |           |               |           | *17,700       | 16,690    | *13,910       | 10,980    | *12,200       | 7,840     | *10,170    | 6,740     | 27.4 ft |
|  | 1.5 m                                | kg      |              |           |               |           | *10,090       | 7,140     | *7,350        | 4,810     | 5,980         | 3,500     | *4,940     | 2,930     | 8.46 m  |
|  | 5 ft                                 | lb      |              |           |               |           | *21,770       | 15,430    | *15,940       | 10,380    | 12,890        | 7,560     | *10,860    | 6,460     | 27.8 ft |
|  | 0 m                                  | kg      |              |           | *5,360        | *5,360    | *11,130       | 6,830     | *8,040        | 4,610     | 5,870         | 3,400     | 5,100      | 2,970     | 8.27 m  |
|  | 0 ft                                 | lb      |              |           | *12,420       | *12,420   | *24,080       | 14,740    | *17,440       | 9,960     | 12,650        | 7,340     | 11,250     | 6,560     | 27.1 ft |
|  | -1.5 m                               | kg      | *6,200       | *6,200    | *10,250       | *10,250   | *11,290       | 6,750     | 8,060         | 4,530     | 5,830         | 3,370     | 5,540      | 3,210     | 7.79 m  |
|  | -5 ft                                | lb      | *13,910      | *13,910   | *23,320       | *23,320   | *24,470       | 14,550    | 17,360        | 9,780     | 12,590        | 7,290     | 12,240     | 7,100     | 25.5 ft |
| -3 m   | kg                                   | *11,310 | *11,310      | *15,270   | 12,990        | *10,650   | 6,830         | *7,870    | 4,570         |           |               | *6,470    | 3,790      | 6.95 m    |         |
| -10 ft   | lb                                   | *25,420 | *25,420      | *33,100   | 27,890        | *23,040   | 14,720        | *16,980   | 9,880         |           |               | *14,280   | 8,420      | 22.7 ft   |         |
| -4.5 m   | kg                                   |         |              | *12,420   | *12,420       | *8,820    | 7,070         |           |               |           |               | *6,710    | 5,260      | 5.59 m    |         |
| -15 ft   | lb                                   |         |              | *26,640   | *26,640       | *18,830   | 15,290        |           |               |           |               | *14,820   | 11,870     | 18.1 ft   |         |

Notes: 1. Machine in "Fine Mode-F" (Power Boost) for lifting capacities. 2. The above loads are in compliance with SAE J1097 and ISO 10567 Hydraulic Excavator Lifting Capacity Standards. 3. Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. 4. Rated loads marked with an asterisk (\*) are limited by hydraulic capacity rather than tipping load.

# Specifications

## LIFTING CAPACITY EC230F Electric L

Lifting capacity 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 coupler from the following values.

|  | Lifting hook related to ground level |         | 1.5 m / 5 ft |           | 3.0 m / 10 ft |           | 4.5 m / 15 ft |           | 6.0 m / 20 ft |           | 7.5 m / 25 ft |           | Max. reach |           | Max.    |        |
|--|--------------------------------------|---------|--------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|------------|-----------|---------|--------|
|  |                                      |         | Along UC     | Across UC | Along UC      | Across UC | Along UC      | Across UC | Along UC      | Across UC | Along UC      | Across UC | Along UC   | Across UC |         |        |
| Boom :<br>5.7 m GP<br>18'8" GP<br>Arm :<br>3.5 m GP<br>1'6" GP<br>Shoe :<br>500 mm<br>20"<br>CWT :<br>2,600 kg<br>5,730 lb | 7.5 m                                | kg      |              |           |               |           |               |           |               |           |               |           | *4,190     | *4,190    | 6.78 m  |        |
|  | 25 ft                                | lb      |              |           |               |           |               |           |               |           |               |           | *9,300     | *9,300    | 21.9 ft |        |
|  | 6 m                                  | kg      |              |           |               |           |               |           |               |           |               |           |            |           |         |        |
|  | 20 ft                                | lb      |              |           |               |           |               |           |               |           |               | *4,500    | 3,880      | *3,970    | 3,580   | 7.83 m |
|  | 4.5 m                                | kg      |              |           |               |           |               |           | *4,900        | *4,900    | *4,700        | 3,800     | *3,960     | 3,070     | 8.49 m  |        |
|  | 15 ft                                | lb      |              |           |               |           |               |           | *10,690       | *10,690   | *10,330       | 8,180     | *8,720     | 6,810     | 27.8 ft |        |
|  | 3 m                                  | kg      |              |           | *11,100       | *11,100   | *7,280        | *7,280    | *5,860        | 5,160     | *5,170        | 3,660     | *4,090     | 2,800     | 8.84 m  |        |
|  | 10 ft                                | lb      |              |           | *23,600       | *23,600   | *15,690       | *15,690   | *12,710       | 11,130    | *11,290       | 7,890     | *9,000     | 6,190     | 29.0 ft |        |
|  | 1.5 m                                | kg      |              |           |               |           | *9,350        | 7,300     | *6,900        | 4,860     | *5,730        | 3,510     | *4,380     | 2,690     | 8.92 m  |        |
|  | 5 ft                                 | lb      |              |           |               |           | *20,180       | 15,760    | *14,970       | 10,480    | *12,470       | 7,560     | *9,640     | 5,930     | 29.3 ft |        |
|  | 0 m                                  | kg      |              |           | *6,980        | *6,980    | *10,750       | 6,890     | *7,750        | 4,620     | 5,850         | 3,380     | *4,670     | 2,710     | 8.74 m  |        |
|  | 0 ft                                 | lb      |              |           | *16,000       | *16,000   | *23,260       | 14,860    | *16,810       | 9,970     | 12,600        | 7,290     | 10,300     | 5,980     | 28.7 ft |        |
|  | -1.5 m                               | kg      | *6,140       | *6,140    | *10,240       | *10,240   | *11,270       | 6,730     | 8,030         | 4,500     | 5,770         | 3,310     | 5,010      | 2,890     | 8.29 m  |        |
|  | -5 ft                                | lb      | *13,740      | *13,740   | *23,260       | *23,260   | *24,420       | 14,500    | 17,280        | 9,700     | 12,450        | 7,150     | 11,070     | 6,400     | 27.2 ft |        |
|  | -3 m                                 | kg      | *10,060      | *10,060   | *15,150       | 12,820    | *10,990       | 6,740     | 8,020         | 4,490     | 5,800         | 3,340     | 5,790      | 3,330     | 7.51 m  |        |
| -10 ft   | lb                                   | *22,580 | *22,580      | *34,460   | 27,510        | *23,790   | 14,520        | 17,260    | 9,690         |           |               |           | 12,860     | 7,400     | 24.5 ft |        |
| -4.5 m   | kg                                   | *15,090 | *15,090      | *14,010   | 13,150        | *9,720    | 6,900         | *7,010    | 4,620         |           |               |           | *6,550     | 4,360     | 6.27 m  |        |
| -15 ft   | lb                                   | *34,090 | *34,090      | *30,160   | 28,260        | *20,890   | 14,890        | *14,890   | 10,000        |           |               |           | *14,490    | 9,790     | 20.3 ft |        |
| Boom :<br>5.7 m GP<br>18'8" GP<br>Arm :<br>2.0 m ME<br>6'7" ME<br>Shoe :<br>600 mm<br>24"<br>CWT :<br>2,600 kg<br>5,730 lb | 7.5 m                                | kg      |              |           |               |           |               |           |               |           |               |           | *6,210     | *6,210    | 4.92 m  |        |
|  | 25 ft                                | lb      |              |           |               |           |               |           |               |           |               |           | *13,800    | *13,800   | 15.6 ft |        |
|  | 6 m                                  | kg      |              |           |               |           |               |           | *5,950        | 5,500     |               |           | *5,990     | 5,070     | 6.29 m  |        |
|  | 20 ft                                | lb      |              |           |               |           |               |           | *13,150       | 11,810    |               |           | *13,220    | 11,390    | 20.4 ft |        |
|  | 4.5 m                                | kg      |              |           |               |           | *7,550        | *7,550    | *6,330        | 5,350     |               |           | *6,030     | 4,110     | 7.1 m   |        |
|  | 15 ft                                | lb      |              |           |               |           | *16,270       | *16,270   | *13,790       | 11,530    |               |           | *13,280    | 9,130     | 23.2 ft |        |
|  | 3 m                                  | kg      |              |           |               |           | *9,500        | 7,620     | *7,120        | 5,100     | 6,120         | 3,680     | 6,100      | 3,670     | 7.51 m  |        |
|  | 10 ft                                | lb      |              |           |               |           | *20,410       | 16,470    | *15,440       | 11,010    |               |           | 13,480     | 8,110     | 24.6 ft |        |
|  | 1.5 m                                | kg      |              |           |               |           |               |           | *7,890        | 4,870     | 6,020         | 3,590     | 5,890      | 3,510     | 7.61 m  |        |
|  | 5 ft                                 | lb      |              |           |               |           |               |           | *17,100       | 10,530    |               |           | 12,990     | 7,750     | 25.0 ft |        |
|  | 0 m                                  | kg      |              |           |               |           | *11,400       | 7,040     | 8,230         | 4,750     |               |           | 6,070      | 3,600     | 7.4 m   |        |
|  | 0 ft                                 | lb      |              |           |               |           | *24,710       | 15,180    | 17,720        | 10,250    |               |           | 13,400     | 7,940     | 24.3 ft |        |
|  | -1.5 m                               | kg      |              |           |               |           | *11,020       | 7,070     | *8,200        | 4,740     |               |           | 6,790      | 4,000     | 6.86 m  |        |
|  | -5 ft                                | lb      |              |           |               |           | *23,920       | 15,230    | 17,700        | 10,230    |               |           | 15,010     | 8,830     | 22.5 ft |        |
|  | -3 m                                 | kg      |              |           | *13,170       | *13,170   | *9,790        | 7,230     |               |           |               |           | *7,230     | 5,010     | 5.89 m  |        |
| -10 ft   | lb                                   |         |              | *28,600   | *28,600       | *21,140   | 15,590        |           |               |           |               | *15,960   | 11,170     | 19.2 ft   |         |        |
| Boom :<br>5.7 m GP<br>18'8" GP<br>Arm :<br>2.5 m HD<br>8'2" HD<br>Shoe :<br>600 mm<br>24"<br>CWT :<br>2,600 kg<br>5,730 lb | 7.5 m                                | kg      |              |           |               |           |               |           |               |           |               |           | *5,560     | *5,560    | 5.61 m  |        |
|  | 25 ft                                | lb      |              |           |               |           |               |           |               |           |               |           | *12,310    | *12,310   | 18.0 ft |        |
|  | 6 m                                  | kg      |              |           |               |           |               |           | *5,380        | *5,380    |               |           | *5,480     | 4,490     | 6.85 m  |        |
|  | 20 ft                                | lb      |              |           |               |           |               |           | *11,840       | *11,840   |               |           | *12,080    | 10,050    | 22.3 ft |        |
|  | 4.5 m                                | kg      |              |           |               |           | *6,830        | *6,830    | *5,880        | 5,430     | *5,550        | 3,810     | *5,550     | 3,730     | 7.59 m  |        |
|  | 15 ft                                | lb      |              |           |               |           | *14,750       | *14,750   | *12,800       | 11,700    |               |           | *12,230    | 8,290     | 24.8 ft |        |
|  | 3 m                                  | kg      |              |           |               |           | *8,800        | 7,790     | *6,740        | 5,160     | *5,840        | 3,710     | 5,580      | 3,360     | 7.98 m  |        |
|  | 10 ft                                | lb      |              |           |               |           | *18,930       | 16,840    | *14,610       | 11,140    | *12,770       | 7,990     | 12,340     | 7,440     | 26.2 ft |        |
|  | 1.5 m                                | kg      |              |           |               |           | *10,530       | 7,280     | *7,610        | 4,910     | 6,030         | 3,590     | 5,400      | 3,230     | 8.07 m  |        |
|  | 5 ft                                 | lb      |              |           |               |           | *22,720       | 15,720    | *16,500       | 10,600    | 12,990        | 7,750     | 11,920     | 7,130     | 26.5 ft |        |
|  | 0 m                                  | kg      |              |           |               |           | *11,310       | 7,050     | *8,190        | 4,750     | 5,940         | 3,510     | 5,540      | 3,290     | 7.88 m  |        |
|  | 0 ft                                 | lb      |              |           |               |           | *24,500       | 15,200    | 17,730        | 10,250    | 12,800        | 7,590     | 12,220     | 7,260     | 25.8 ft |        |
|  | -1.5 m                               | kg      |              |           | *10,740       | *10,740   | *11,240       | 7,020     | 8,170         | 4,700     |               |           | 6,080      | 3,590     | 7.37 m  |        |
|  | -5 ft                                | lb      |              |           | *24,540       | *24,540   | *24,360       | 15,130    | 17,600        | 10,140    |               |           | 13,450     | 7,940     | 24.1 ft |        |
|  | -3 m                                 | kg      |              |           | *14,460       | 13,670    | *10,330       | 7,130     | *7,610        | 4,780     |               |           | *6,830     | 4,340     | 6.48 m  |        |
| -10 ft   | lb                                   |         |              | *31,360   | 29,330        | *22,350   | 15,370        | *16,350   | 10,330        |           |               | *15,080   | 9,650      | 21.1 ft   |         |        |
| -4.5 m   | kg                                   |         |              | *11,160   | *11,160       | *7,960    | 7,430         |           |               |           |               | *6,960    | 6,460      | 4.98 m    |         |        |
| -15 ft   | lb                                   |         |              | *23,840   | *23,840       | *16,810   | 16,080        |           |               |           |               | *15,320   | 14,680     | 16.0 ft   |         |        |

Notes: 1. Machine in "Fine Mode-F" (Power Boost) for lifting capacities. 2. The above loads are in compliance with SAE J1097 and ISO 10567 Hydraulic Excavator Lifting Capacity Standards. 3. Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. 4. Rated loads marked with an asterisk (\*) are limited by hydraulic capacity rather than tipping load.

**LIFTING CAPACITY EC230F Electric L**

Lifting capacity 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 coupler from the following values.

|   | Lifting hook related to ground level |         | 1.5 m / 5 ft |           | 3.0 m / 10 ft |           | 4.5 m / 15 ft |           | 6.0 m / 20 ft |           | 7.5 m / 25 ft |           | Max. reach |           | Max.    |
|---|--------------------------------------|---------|--------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|------------|-----------|---------|
|   |                                      |         | Along UC     | Across UC | Along UC      | Across UC | Along UC      | Across UC | Along UC      | Across UC | Along UC      | Across UC | Along UC   | Across UC |         |
| Boom :<br>5.7 m GP<br>18'8" GP<br>Arm :<br>2.9 m HD<br>9'6" HD<br>Shoe :<br>600 mm<br>24"<br>CWT :<br>2,600 kg<br>5,730 lb  | 7.5 m                                | kg      |              |           |               |           |               |           | *5,070        | *5,070    |               |           | *4,900     | *4,900    | 6.16 m  |
|   | 25 ft                                | lb      |              |           |               |           |               |           |               |           |               |           | *10,900    | *10,900   | 19.8 ft |
|   | 6 m                                  | kg      |              |           |               |           |               |           | *4,960        | *4,960    |               |           | *4,560     | 4,080     | 7.3 m   |
|   | 20 ft                                | lb      |              |           |               |           |               |           | *10,900       | *10,900   |               |           | *10,080    | 9,130     | 23.8 ft |
|   | 4.5 m                                | kg      |              |           |               |           |               |           | *5,510        | 5,510     | *5,200        | 3,860     | *4,500     | 3,450     | 8.0 m   |
|   | 15 ft                                | lb      |              |           |               |           |               |           | *12,010       | 11,880    | *11,440       | 8,300     | *9,920     | 7,670     | 26.2 ft |
|   | 3 m                                  | kg      |              |           |               |           | *8,220        | 7,950     | *6,410        | 5,230     | *5,590        | 3,740     | *4,620     | 3,140     | 8.37 m  |
|   | 10 ft                                | lb      |              |           |               |           | *17,700       | 17,170    | *13,910       | 11,280    | *12,200       | 8,060     | *10,170    | 6,940     | 27.4 ft |
|   | 1.5 m                                | kg      |              |           |               |           | *10,090       | 7,360     | *7,350        | 4,950     | 6,050         | 3,610     | *4,940     | 3,020     | 8.46 m  |
|   | 5 ft                                 | lb      |              |           |               |           | *21,770       | 15,900    | *15,940       | 10,680    | 13,030        | 7,780     | *10,860    | 6,660     | 27.8 ft |
|   | 0 m                                  | kg      |              |           | *5,360        | *5,360    | *11,130       | 7,050     | *8,040        | 4,750     | 5,930         | 3,510     | 5,160      | 3,060     | 8.27 m  |
|   | 0 ft                                 | lb      |              |           | *12,420       | *12,420   | *24,080       | 15,210    | *17,440       | 10,260    | 12,790        | 7,570     | 11,370     | 6,760     | 27.1 ft |
|   | -1.5 m                               | kg      | *6,200       | *6,200    | *10,250       | *10,250   | *11,290       | 6,970     | 8,150         | 4,670     | 5,900         | 3,470     | 5,600      | 3,310     | 7.79 m  |
|   | -5 ft                                | lb      | *13,910      | *13,910   | *23,320       | *23,320   | *24,470       | 15,020    | 17,550        | 10,080    | 12,730        | 7,510     | 12,380     | 7,320     | 25.5 ft |
|   | -3 m                                 | kg      | *11,310      | *11,310   | *15,270       | 13,460    | *10,650       | 7,040     | *7,870        | 4,710     |               |           | *6,470     | 3,900     | 6.95 m  |
| -10 ft  | lb                                   | *25,420 | *25,420      | *33,100   | 28,890        | *23,040   | 15,190        | *16,980   | 10,190        |           |               | *14,280   | 8,680      | 22.7 ft   |         |
| -4.5 m  | kg                                   |         |              | *12,420   | *12,420       | *8,820    | 7,290         |           |               |           |               | *6,710    | 5,420      | 5.59 m    |         |
| -15 ft  | lb                                   |         |              | *26,640   | *26,640       | *18,830   | 15,760        |           |               |           |               | *14,820   | 12,220     | 18.1 ft   |         |
| Boom :<br>5.7 m GP<br>18'8" GP<br>Arm :<br>3.5 m GP<br>11'6" GP<br>Shoe :<br>600 mm<br>24"<br>CWT :<br>2,600 kg<br>5,730 lb | 7.5 m                                | kg      |              |           |               |           |               |           |               |           |               |           | *4,190     | *4,190    | 6.78 m  |
|   | 25 ft                                | lb      |              |           |               |           |               |           |               |           |               |           | *9,300     | *9,300    | 21.9 ft |
|   | 6 m                                  | kg      |              |           |               |           |               |           |               |           | *4,500        | 3,980     | *3,970     | 3,680     | 7.83 m  |
|   | 20 ft                                | lb      |              |           |               |           |               |           |               |           | *9,830        | 8,540     | *8,780     | 8,220     | 25.5 ft |
|   | 4.5 m                                | kg      |              |           |               |           |               |           | *4,900        | *4,900    | *4,700        | 3,910     | *3,960     | 3,160     | 8.49 m  |
|   | 15 ft                                | lb      |              |           |               |           |               |           | *10,690       | *10,690   | *10,330       | 8,410     | *8,720     | 7,010     | 27.8 ft |
|   | 3 m                                  | kg      |              |           | *11,100       | *11,100   | *7,280        | *7,280    | *5,860        | 5,300     | *5,170        | 3,770     | *4,090     | 2,880     | 8.84 m  |
|   | 10 ft                                | lb      |              |           | *23,600       | *23,600   | *15,690       | *15,690   | *12,710       | 11,440    | *11,290       | 8,120     | *9,000     | 6,370     | 29.0 ft |
|   | 1.5 m                                | kg      |              |           |               |           | *9,350        | 7,520     | *6,900        | 5,000     | *5,730        | 3,610     | *4,380     | 2,770     | 8.92 m  |
|   | 5 ft                                 | lb      |              |           |               |           | *20,180       | 16,230    | *14,970       | 10,790    | *12,470       | 7,790     | *9,640     | 6,110     | 29.3 ft |
|   | 0 m                                  | kg      |              |           | *6,980        | *6,980    | *10,750       | 7,110     | *7,750        | 4,760     | 5,920         | 3,480     | 4,730      | 2,800     | 8.74 m  |
|   | 0 ft                                 | lb      |              |           | *16,000       | *16,000   | *23,260       | 15,330    | *16,810       | 10,280    | 12,750        | 7,520     | 10,420     | 6,170     | 28.7 ft |
|   | -1.5 m                               | kg      | *6,140       | *6,140    | *10,240       | *10,240   | *11,270       | 6,940     | 8,120         | 4,640     | 5,840         | 3,420     | 5,070      | 2,980     | 8.29 m  |
|   | -5 ft                                | lb      | *13,740      | *13,740   | *23,260       | *23,260   | *24,420       | 14,970    | 17,470        | 10,010    | 12,590        | 7,370     | 11,200     | 6,600     | 27.2 ft |
|   | -3 m                                 | kg      | *10,060      | *10,060   | *15,150       | 13,290    | *10,990       | 6,950     | *8,080        | 4,630     | 5,870         | 3,440     | 5,860      | 3,440     | 7.51 m  |
| -10 ft  | lb                                   | *22,580 | *22,580      | *34,460   | 28,510        | *23,790   | 14,990        | 17,460    | 9,990         |           |               | 13,000    | 7,630      | 24.5 ft   |         |
| -4.5 m  | kg                                   | *15,090 | *15,090      | *14,010   | 13,630        | *9,720    | 7,120         | *7,010    | 4,760         |           |               | *6,550    | 4,490      | 6.27 m    |         |
| -15 ft  | lb                                   | *34,090 | *34,090      | *30,160   | 29,270        | *20,890   | 15,360        | *14,890   | 10,310        |           |               | *14,490   | 10,090     | 20.3 ft   |         |
| Boom :<br>5.7 m GP<br>18'8" GP<br>Arm :<br>2.0 m ME<br>6'7" ME<br>Shoe :<br>700 mm<br>28"<br>CWT :<br>2,600 kg<br>5,730 lb  | 7.5 m                                | kg      |              |           |               |           |               |           |               |           |               |           | *6,210     | *6,210    | 4.92 m  |
|   | 25 ft                                | lb      |              |           |               |           |               |           |               |           |               |           | *13,800    | *13,800   | 15.6 ft |
|   | 6 m                                  | kg      |              |           |               |           |               |           | *5,950        | 5,700     |               |           | *5,990     | 5,260     | 6.29 m  |
|   | 20 ft                                | lb      |              |           |               |           |               |           | *13,150       | 12,240    |               |           | *13,220    | 11,800    | 20.4 ft |
|   | 4.5 m                                | kg      |              |           |               |           | *7,550        | *7,550    | *6,330        | 5,550     |               |           | *6,030     | 4,260     | 7.1 m   |
|   | 15 ft                                | lb      |              |           |               |           | *16,270       | *16,270   | *13,790       | 11,960    |               |           | *13,280    | 9,470     | 23.2 ft |
|   | 3 m                                  | kg      |              |           |               |           | *9,500        | 7,920     | *7,120        | 5,290     | *6,180        | 3,820     | *6,170     | 3,810     | 7.51 m  |
|   | 10 ft                                | lb      |              |           |               |           | *20,410       | 17,130    | *15,440       | 11,440    |               |           | *13,600    | 8,430     | 24.6 ft |
|   | 1.5 m                                | kg      |              |           |               |           |               |           | *7,890        | 5,070     | 6,120         | 3,730     | 5,990      | 3,650     | 7.61 m  |
|   | 5 ft                                 | lb      |              |           |               |           |               |           | *17,100       | 10,950    |               |           | 13,210     | 8,060     | 25.0 ft |
|   | 0 m                                  | kg      |              |           |               |           | *11,400       | 7,340     | *8,320        | 4,940     |               |           | 6,180      | 3,750     | 7.4 m   |
|   | 0 ft                                 | lb      |              |           |               |           | *24,710       | 15,830    | 18,020        | 10,670    |               |           | 13,630     | 8,260     | 24.3 ft |
|   | -1.5 m                               | kg      |              |           |               |           | *11,020       | 7,370     | *8,200        | 4,930     |               |           | 6,900      | 4,160     | 6.86 m  |
|   | -5 ft                                | lb      |              |           |               |           | *23,920       | 15,880    | *17,760       | 10,650    |               |           | 15,260     | 9,190     | 22.5 ft |
|   | -3 m                                 | kg      |              |           | *13,170       | *13,170   | *9,790        | 7,530     |               |           |               |           | *7,230     | 5,210     | 5.89 m  |
| -10 ft  | lb                                   |         |              | *28,600   | *28,600       | *21,140   | 16,240        |           |               |           |               | *15,960   | 11,620     | 19.2 ft   |         |

Notes: 1. Machine in "Fine Mode-F" (Power Boost) for lifting capacities. 2. The above loads are in compliance with SAE J1097 and ISO 10567 Hydraulic Excavator Lifting Capacity Standards. 3. Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. 4. Rated loads marked with an asterisk (\*) are limited by hydraulic capacity rather than tipping load.

# Specifications

## LIFTING CAPACITY EC230F Electric L

Lifting capacity 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 coupler from the following values.

|   | Lifting hook related to ground level |         | 1.5 m / 5 ft |           | 3.0 m / 10 ft |           | 4.5 m / 15 ft |           | 6.0 m / 20 ft |           | 7.5 m / 25 ft |           | Max. reach |           | Max.    |
|---|--------------------------------------|---------|--------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|------------|-----------|---------|
|   |                                      |         | Along UC     | Across UC | Along UC      | Across UC | Along UC      | Across UC | Along UC      | Across UC | Along UC      | Across UC | Along UC   | Across UC |         |
| Boom :<br>5.7 m GP<br>18'8" GP<br>Arm :<br>2.5 m HD<br>8'2" HD<br>Shoe :<br>700 mm<br>28"<br>CWT :<br>2,600 kg<br>5,730 lb  | 7.5 m                                | kg      |              |           |               |           |               |           |               |           |               |           | *5,560     | *5,560    | 5.61 m  |
|   | 25 ft                                | lb      |              |           |               |           |               |           |               |           |               |           | *12,310    | *12,310   | 18.0 ft |
|   | 6 m                                  | kg      |              |           |               |           |               | *5,380    | *5,380        |           |               |           | *5,480     | 4,650     | 6.85 m  |
|   | 20 ft                                | lb      |              |           |               |           |               | *11,840   | *11,840       |           |               |           | *12,080    | 10,420    | 22.3 ft |
|   | 4.5 m                                | kg      |              |           |               |           | *6,830        | *6,830    | *5,880        | 5,620     | *5,550        | 3,950     | *5,550     | 3,870     | 7.59 m  |
|   | 15 ft                                | lb      |              |           |               |           | *14,750       | *14,750   | *12,800       | 12,130    |               |           | *12,230    | 8,600     | 24.8 ft |
|   | 3 m                                  | kg      |              |           |               |           | *8,800        | 8,100     | *6,740        | 5,360     | *5,840        | 3,850     | 5,680      | 3,500     | 7.98 m  |
|   | 10 ft                                | lb      |              |           |               |           | *18,930       | 17,500    | *14,610       | 11,570    | *12,770       | 8,300     | 12,550     | 7,730     | 26.2 ft |
|   | 1.5 m                                | kg      |              |           |               |           | *10,530       | 7,580     | *7,610        | 5,110     | 6,130         | 3,740     | 5,500      | 3,360     | 8.07 m  |
|   | 5 ft                                 | lb      |              |           |               |           | *22,720       | 16,370    | *16,500       | 11,020    | 13,210        | 8,060     | 12,120     | 7,410     | 26.5 ft |
|   | 0 m                                  | kg      |              |           |               |           | *11,310       | 7,350     | *8,190        | 4,940     | 6,040         | 3,660     | 5,640      | 3,420     | 7.88 m  |
|   | 0 ft                                 | lb      |              |           |               |           | *24,500       | 15,850    | *17,760       | 10,670    | 13,030        | 7,900     | 12,430     | 7,560     | 25.8 ft |
|   | -1.5 m                               | kg      |              |           | *10,740       | *10,740   | *11,240       | 7,320     | *8,280        | 4,890     |               |           | 6,190      | 3,740     | 7.37 m  |
|   | -5 ft                                | lb      |              |           | *24,540       | *24,540   | *24,360       | 15,770    | 17,910        | 10,560    |               |           | 13,680     | 8,270     | 24.1 ft |
|   | -3 m                                 | kg      |              |           | *14,460       | 14,320    | *10,330       | 7,430     | *7,610        | 4,970     |               |           | *6,830     | 4,520     | 6.48 m  |
| -10 ft  | lb                                   |         |              | *31,360   | 30,710        | *22,350   | 16,020        | *16,350   | 10,750        |           |               | *15,080   | 10,040     | 21.1 ft   |         |
| -4.5 m  | kg                                   |         |              | *11,160   | *11,160       | *7,960    | 7,740         |           |               |           |               | *6,960    | 6,720      | 4.98 m    |         |
| -15 ft  | lb                                   |         |              | *23,840   | *23,840       | *16,810   | 16,730        |           |               |           |               | *15,320   | 15,270     | 16.0 ft   |         |
| Boom :<br>5.7 m GP<br>18'8" GP<br>Arm :<br>2.9 m HD<br>9'6" HD<br>Shoe :<br>700 mm<br>28"<br>CWT :<br>2,600 kg<br>5,730 lb  | 7.5 m                                | kg      |              |           |               |           |               |           | *5,070        | *5,070    |               |           | *4,900     | *4,900    | 6.16 m  |
|   | 25 ft                                | lb      |              |           |               |           |               |           |               |           |               |           | *10,900    | *10,900   | 19.8 ft |
|   | 6 m                                  | kg      |              |           |               |           |               |           | *4,960        | *4,960    |               |           | *4,560     | 4,230     | 7.3 m   |
|   | 20 ft                                | lb      |              |           |               |           |               |           | *10,900       | *10,900   |               |           | *10,080    | 9,470     | 23.8 ft |
|   | 4.5 m                                | kg      |              |           |               |           |               |           | *5,510        | *5,510    | *5,200        | 4,010     | *4,500     | 3,590     | 8.0 m   |
|   | 15 ft                                | lb      |              |           |               |           |               |           | *12,010       | *12,010   | *11,440       | 8,610     | *9,920     | 7,960     | 26.2 ft |
|   | 3 m                                  | kg      |              |           |               |           | *8,220        | *8,220    | *6,410        | 5,420     | *5,590        | 3,890     | *4,620     | 3,260     | 8.37 m  |
|   | 10 ft                                | lb      |              |           |               |           | *17,700       | *17,700   | *13,910       | 11,710    | *12,200       | 8,370     | *10,170    | 7,210     | 27.4 ft |
|   | 1.5 m                                | kg      |              |           |               |           | *10,090       | 7,670     | *7,350        | 5,140     | *6,060        | 3,750     | *4,940     | 3,140     | 8.46 m  |
|   | 5 ft                                 | lb      |              |           |               |           | *21,770       | 16,550    | *15,940       | 11,110    | *13,190       | 8,090     | *10,860    | 6,930     | 27.8 ft |
|   | 0 m                                  | kg      |              |           | *5,360        | *5,360    | *11,130       | 7,350     | *8,040        | 4,950     | 6,040         | 3,650     | 5,250      | 3,190     | 8.27 m  |
|   | 0 ft                                 | lb      |              |           | *12,420       | *12,420   | *24,080       | 15,850    | *17,440       | 10,680    | 13,020        | 7,880     | 11,570     | 7,040     | 27.1 ft |
|   | -1.5 m                               | kg      | *6,200       | *6,200    | *10,250       | *10,250   | *11,290       | 7,270     | *8,280        | 4,870     | 6,000         | 3,620     | 5,700      | 3,450     | 7.79 m  |
|   | -5 ft                                | lb      | *13,910      | *13,910   | *23,320       | *23,320   | *24,470       | 15,670    | 17,860        | 10,500    | 12,960        | 7,820     | 12,590     | 7,620     | 25.5 ft |
|   | -3 m                                 | kg      | *11,310      | *11,310   | *15,270       | 14,110    | *10,650       | 7,350     | *7,870        | 4,910     |               |           | *6,470     | 4,060     | 6.95 m  |
| -10 ft  | lb                                   | *25,420 | *25,420      | *33,100   | 30,260        | *23,040   | 15,840        | *16,980   | 10,610        |           |               | *14,280   | 9,030      | 22.7 ft   |         |
| -4.5 m  | kg                                   |         |              | *12,420   | *12,420       | *8,820    | 7,600         |           |               |           |               | *6,710    | 5,630      | 5.59 m    |         |
| -15 ft  | lb                                   |         |              | *26,640   | *26,640       | *18,830   | 16,410        |           |               |           |               | *14,820   | 12,710     | 18.1 ft   |         |
| Boom :<br>5.7 m GP<br>18'8" GP<br>Arm :<br>3.5 m GP<br>11'6" GP<br>Shoe :<br>700 mm<br>28"<br>CWT :<br>2,600 kg<br>5,730 lb | 7.5 m                                | kg      |              |           |               |           |               |           |               |           |               |           | *4,190     | *4,190    | 6.78 m  |
|   | 25 ft                                | lb      |              |           |               |           |               |           |               |           |               |           | *9,300     | *9,300    | 21.9 ft |
|   | 6 m                                  | kg      |              |           |               |           |               |           |               |           | *4,500        | 4,130     | *3,970     | 3,820     | 7.83 m  |
|   | 20 ft                                | lb      |              |           |               |           |               |           |               |           | *9,830        | 8,850     | *8,780     | 8,530     | 25.5 ft |
|   | 4.5 m                                | kg      |              |           |               |           |               |           | *4,900        | *4,900    | *4,700        | 4,050     | *3,960     | 3,280     | 8.49 m  |
|   | 15 ft                                | lb      |              |           |               |           |               |           | *10,690       | *10,690   | *10,330       | 8,720     | *8,720     | 7,280     | 27.8 ft |
|   | 3 m                                  | kg      |              |           | *11,100       | *11,100   | *7,280        | *7,280    | *5,860        | 5,500     | *5,170        | 3,910     | *4,090     | 3,000     | 8.84 m  |
|   | 10 ft                                | lb      |              |           | *23,600       | *23,600   | *15,690       | *15,690   | *12,710       | 11,870    | *11,290       | 8,430     | *9,000     | 6,630     | 29.0 ft |
|   | 1.5 m                                | kg      |              |           |               |           | *9,350        | 7,820     | *6,900        | 5,190     | *5,730        | 3,760     | *4,380     | 2,880     | 8.92 m  |
|   | 5 ft                                 | lb      |              |           |               |           | *20,180       | 16,890    | *14,970       | 11,210    | *12,470       | 8,100     | *9,640     | 6,360     | 29.3 ft |
|   | 0 m                                  | kg      |              |           | *6,980        | *6,980    | *10,750       | 7,410     | *7,750        | 4,960     | 6,020         | 3,630     | 4,810      | 2,910     | 8.74 m  |
|   | 0 ft                                 | lb      |              |           | *16,000       | *16,000   | *23,260       | 15,980    | *16,810       | 10,700    | 12,970        | 7,830     | 10,610     | 6,430     | 28.7 ft |
|   | -1.5 m                               | kg      | *6,140       | *6,140    | *10,240       | *10,240   | *11,270       | 7,250     | *8,190        | 4,830     | 5,940         | 3,560     | 5,160      | 3,110     | 8.29 m  |
|   | -5 ft                                | lb      | *13,740      | *13,740   | *23,260       | *23,260   | *24,420       | 15,610    | *17,760       | 10,420    | 12,810        | 7,680     | 11,400     | 6,870     | 27.2 ft |
|   | -3 m                                 | kg      | *10,060      | *10,060   | *15,150       | 13,930    | *10,990       | 7,250     | *8,080        | 4,820     | 5,970         | 3,580     | 5,960      | 3,580     | 7.51 m  |
| -10 ft  | lb                                   | *22,580 | *22,580      | *34,460   | 29,880        | *23,790   | 15,640        | *17,470   | 10,410        |           |               | 13,230    | 7,940      | 24.5 ft   |         |
| -4.5 m  | kg                                   | *15,090 | *15,090      | *14,010   | *14,010       | *9,720    | 7,420         | *7,010    | 4,950         |           |               | *6,550    | 4,670      | 6.27 m    |         |
| -15 ft  | lb                                   | *34,090 | *34,090      | *30,160   | *30,160       | *20,890   | 16,010        | *14,890   | 10,730        |           |               | *14,490   | 10,500     | 20.3 ft   |         |

Notes: 1. Machine in "Fine Mode-F" (Power Boost) for lifting capacities. 2. The above loads are in compliance with SAE J1097 and ISO 10567 Hydraulic Excavator Lifting Capacity Standards. 3. Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. 4. Rated loads marked with an asterisk (\*) are limited by hydraulic capacity rather than tipping load.

**LIFTING CAPACITY EC230F Electric L**

Lifting capacity 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 coupler from the following values.

|  | Lifting hook related to ground level |         | 1.5 m / 5 ft |           | 3.0 m / 10 ft |           | 4.5 m / 15 ft |           | 6.0 m / 20 ft |           | 7.5 m / 25 ft |           | Max. reach |           | Max.    |
|--|--------------------------------------|---------|--------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|------------|-----------|---------|
|  |                                      |         | Along UC     | Across UC | Along UC      | Across UC | Along UC      | Across UC | Along UC      | Across UC | Along UC      | Across UC | Along UC   | Across UC |         |
| Boom :<br>5.7 m GP<br>18'8" GP<br>Arm :<br>2.0 m ME<br>6'7" ME<br>Shoe :<br>800 mm<br>32"<br>CWT :<br>2,600 kg<br>5,730 lb | 7.5 m                                | kg      |              |           |               |           |               |           |               |           |               |           | *6,210     | *6,210    | 4.92 m  |
|  | 25 ft                                | lb      |              |           |               |           |               |           |               |           |               |           | *13,800    | *13,800   | 15.6 ft |
|  | 6 m                                  | kg      |              |           |               |           |               |           | *5,950        | 5,870     |               |           | *5,990     | 5,420     | 6.29 m  |
|  | 20 ft                                | lb      |              |           |               |           |               |           | *13,150       | 12,620    |               |           | *13,220    | 12,170    | 20.4 ft |
|  | 4.5 m                                | kg      |              |           |               |           | *7,550        | *7,550    | *6,330        | 5,720     |               |           | *6,030     | 4,400     | 7.1 m   |
|  | 15 ft                                | lb      |              |           |               |           | *16,270       | *16,270   | *13,790       | 12,340    |               |           | *13,280    | 9,780     | 23.2 ft |
|  | 3 m                                  | kg      |              |           |               |           | *9,500        | 8,200     | *7,120        | 5,470     | *6,180        | 3,950     | *6,170     | 3,940     | 7.51 m  |
|  | 10 ft                                | lb      |              |           |               |           | *20,410       | 17,720    | *15,440       | 11,810    |               |           | *13,600    | 8,710     | 24.6 ft |
|  | 1.5 m                                | kg      |              |           |               |           |               |           | *7,890        | 5,240     | 6,190         | 3,860     | 6,060      | 3,780     | 7.61 m  |
|  | 5 ft                                 | lb      |              |           |               |           |               |           | *17,100       | 11,320    |               |           | 13,360     | 8,340     | 25.0 ft |
|  | 0 m                                  | kg      |              |           |               |           | *11,400       | 7,610     | *8,320        | 5,110     |               |           | 6,250      | 3,880     | 7.4 m   |
|  | 0 ft                                 | lb      |              |           |               |           | *24,710       | 16,410    | *18,040       | 11,040    |               |           | 13,790     | 8,550     | 24.3 ft |
|  | -1.5 m                               | kg      |              |           |               |           | *11,020       | 7,640     | *8,200        | 5,100     |               |           | *6,970     | 4,300     | 6.86 m  |
|  | -5 ft                                | lb      |              |           |               |           | *23,920       | 16,460    | *17,760       | 11,030    |               |           | *15,390    | 9,510     | 22.5 ft |
|  | -3 m                                 | kg      |              |           | *13,170       | *13,170   | *9,790        | 7,800     |               |           |               |           | *7,230     | 5,390     | 5.89 m  |
| -10 ft   | lb                                   |         |              | *28,600   | *28,600       | *21,140   | 16,830        |           |               |           |               | *15,960   | 12,020     | 19.2 ft   |         |
| Boom :<br>5.7 m GP<br>18'8" GP<br>Arm :<br>2.5 m HD<br>8'2" HD<br>Shoe :<br>800 mm<br>32"<br>CWT :<br>2,600 kg<br>5,730 lb | 7.5 m                                | kg      |              |           |               |           |               |           |               |           |               |           | *5,560     | *5,560    | 5.61 m  |
|  | 25 ft                                | lb      |              |           |               |           |               |           |               |           |               |           | *12,310    | *12,310   | 18.0 ft |
|  | 6 m                                  | kg      |              |           |               |           |               |           | *5,380        | *5,380    |               |           | *5,480     | 4,800     | 6.85 m  |
|  | 20 ft                                | lb      |              |           |               |           |               |           | *11,840       | *11,840   |               |           | *12,080    | 10,750    | 22.3 ft |
|  | 4.5 m                                | kg      |              |           |               |           | *6,830        | *6,830    | *5,880        | 5,800     | *5,550        | 4,080     | *5,550     | 4,000     | 7.59 m  |
|  | 15 ft                                | lb      |              |           |               |           | *14,750       | *14,750   | *12,800       | 12,510    |               |           | *12,230    | 8,880     | 24.8 ft |
|  | 3 m                                  | kg      |              |           |               |           | *8,800        | 8,380     | *6,740        | 5,530     | *5,840        | 3,980     | *5,710     | 3,610     | 7.98 m  |
|  | 10 ft                                | lb      |              |           |               |           | *18,930       | 18,100    | *14,610       | 11,950    | *12,770       | 8,580     | *12,580    | 7,990     | 26.2 ft |
|  | 1.5 m                                | kg      |              |           |               |           | *10,530       | 7,860     | *7,610        | 5,280     | 6,200         | 3,860     | 5,560      | 3,470     | 8.07 m  |
|  | 5 ft                                 | lb      |              |           |               |           | *22,720       | 16,960    | *16,500       | 11,400    | 13,360        | 8,340     | 12,260     | 7,670     | 26.5 ft |
|  | 0 m                                  | kg      |              |           |               |           | *11,310       | 7,620     | *8,190        | 5,120     | 6,110         | 3,780     | 5,700      | 3,540     | 7.88 m  |
|  | 0 ft                                 | lb      |              |           |               |           | *24,500       | 16,430    | *17,760       | 11,040    | 13,180        | 8,170     | 12,580     | 7,820     | 25.8 ft |
|  | -1.5 m                               | kg      |              |           | *10,740       | *10,740   | *11,240       | 7,590     | *8,280        | 5,060     |               |           | 6,260      | 3,870     | 7.37 m  |
|  | -5 ft                                | lb      |              |           | *24,540       | *24,540   | *24,360       | 16,360    | *17,950       | 10,940    |               |           | 13,840     | 8,550     | 24.1 ft |
|  | -3 m                                 | kg      |              |           | *14,460       | *14,460   | *10,330       | 7,700     | *7,610        | 5,150     |               |           | *6,830     | 4,670     | 6.48 m  |
| -10 ft   | lb                                   |         |              | *31,360   | *31,360       | *22,350   | 16,600        | *16,350   | 11,130        |           |               | *15,080   | 10,390     | 21.1 ft   |         |
| -4.5 m   | kg                                   |         |              | *11,160   | *11,160       | *7,960    | *7,960        |           |               |           |               | *6,960    | 6,950      | 4.98 m    |         |
| -15 ft   | lb                                   |         |              | *23,840   | *23,840       | *16,810   | *16,810       |           |               |           |               | *15,320   | *15,320    | 16.0 ft   |         |
| Boom :<br>5.7 m GP<br>18'8" GP<br>Arm :<br>2.9 m HD<br>9'6" HD<br>Shoe :<br>800 mm<br>32"<br>CWT :<br>2,600 kg<br>5,730 lb | 7.5 m                                | kg      |              |           |               |           |               |           | *5,070        | *5,070    |               |           | *4,900     | *4,900    | 6.16 m  |
|  | 25 ft                                | lb      |              |           |               |           |               |           |               |           |               |           | *10,900    | *10,900   | 19.8 ft |
|  | 6 m                                  | kg      |              |           |               |           |               |           | *4,960        | *4,960    |               |           | *4,560     | 4,370     | 7.3 m   |
|  | 20 ft                                | lb      |              |           |               |           |               |           | *10,900       | *10,900   |               |           | *10,080    | 9,760     | 23.8 ft |
|  | 4.5 m                                | kg      |              |           |               |           |               |           | *5,510        | *5,510    | *5,200        | 4,130     | *4,500     | 3,700     | 8.0 m   |
|  | 15 ft                                | lb      |              |           |               |           |               |           | *12,010       | *12,010   | *11,440       | 8,890     | *9,920     | 8,220     | 26.2 ft |
|  | 3 m                                  | kg      |              |           |               |           | *8,220        | *8,220    | *6,410        | 5,600     | *5,590        | 4,010     | *4,620     | 3,370     | 8.37 m  |
|  | 10 ft                                | lb      |              |           |               |           | *17,700       | *17,700   | *13,910       | 12,090    | *12,200       | 8,650     | *10,170    | 7,460     | 27.4 ft |
|  | 1.5 m                                | kg      |              |           |               |           | *10,090       | 7,940     | *7,350        | 5,320     | *6,060        | 3,880     | *4,940     | 3,250     | 8.46 m  |
|  | 5 ft                                 | lb      |              |           |               |           | *21,770       | 17,140    | *15,940       | 11,480    | *13,190       | 8,370     | *10,860    | 7,170     | 27.8 ft |
|  | 0 m                                  | kg      |              |           | *5,360        | *5,360    | *11,130       | 7,620     | *8,040        | 5,120     | 6,110         | 3,780     | 5,310      | 3,300     | 8.27 m  |
|  | 0 ft                                 | lb      |              |           | *12,420       | *12,420   | *24,080       | 16,440    | *17,440       | 11,050    | 13,170        | 8,150     | 11,710     | 7,280     | 27.1 ft |
|  | -1.5 m                               | kg      | *6,200       | *6,200    | *10,250       | *10,250   | *11,290       | 7,540     | *8,280        | 5,040     | 6,070         | 3,740     | 5,770      | 3,570     | 7.79 m  |
|  | -5 ft                                | lb      | *13,910      | *13,910   | *23,320       | *23,320   | *24,470       | 16,250    | *17,950       | 10,880    | 13,110        | 8,100     | 12,740     | 7,890     | 25.5 ft |
|  | -3 m                                 | kg      | *11,310      | *11,310   | *15,270       | 14,710    | *10,650       | 7,620     | *7,870        | 5,080     |               |           | *6,470     | 4,200     | 6.95 m  |
| -10 ft   | lb                                   | *25,420 | *25,420      | *33,100   | 31,540        | *23,040   | 16,420        | *16,980   | 10,980        |           |               | *14,280   | 9,340      | 22.7 ft   |         |
| -4.5 m   | kg                                   |         |              | *12,420   | *12,420       | *8,820    | 7,870         |           |               |           |               | *6,710    | 5,830      | 5.59 m    |         |
| -15 ft   | lb                                   |         |              | *26,640   | *26,640       | *18,830   | 17,000        |           |               |           |               | *14,820   | 13,150     | 18.1 ft   |         |

Notes: 1. Machine in "Fine Mode-F" (Power Boost) for lifting capacities. 2. The above loads are in compliance with SAE J1097 and ISO 10567 Hydraulic Excavator Lifting Capacity Standards. 3. Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. 4. Rated loads marked with an asterisk (\*) are limited by hydraulic capacity rather than tipping load.

# Specifications

## LIFTING CAPACITY EC230F Electric L

Lifting capacity 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 coupler from the following values.

|   | Lifting hook related to ground level |         | 1.5 m / 5 ft |           | 3.0 m / 10 ft |           | 4.5 m / 15 ft |           | 6.0 m / 20 ft |           | 7.5 m / 25 ft |           | Max. reach |           | Max.    |         |
|---|--------------------------------------|---------|--------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|------------|-----------|---------|---------|
|   |                                      |         | Along UC     | Across UC | Along UC      | Across UC | Along UC      | Across UC | Along UC      | Across UC | Along UC      | Across UC | Along UC   | Across UC |         |         |
| <b>Boom :</b><br>5.7 m GP<br>18'8" GP<br><b>Arm :</b><br>3.5 m GP<br>11'6" GP<br><b>Shoe :</b><br>800 mm<br>32"<br><b>CWT :</b><br>2,600 kg<br>5,730 lb | 7.5 m                                | kg      |              |           |               |           |               |           |               |           |               |           | *4,190     | *4,190    | 6.78 m  |         |
|   | 25 ft                                | lb      |              |           |               |           |               |           |               |           |               |           | *9,300     | *9,300    | 21.9 ft |         |
|   | 6 m                                  | kg      |              |           |               |           |               |           |               |           |               | 4,500     | 4,260      | *3,970    | 3,940   | 7.83 m  |
|   | 20 ft                                | lb      |              |           |               |           |               |           |               |           |               | *9,830    | 9,130      | *8,780    | *8,780  | 25.5 ft |
|   | 4.5 m                                | kg      |              |           |               |           |               |           | *4,900        | *4,900    | *4,700        | 4,180     | *3,960     | 3,390     | 8.49 m  |         |
|   | 15 ft                                | lb      |              |           |               |           |               |           | *10,690       | *10,690   | *10,330       | 9,000     | *8,720     | 7,520     | 27.8 ft |         |
|   | 3 m                                  | kg      |              |           | *11,100       | *11,100   | *7,280        | *7,280    | *5,860        | 5,680     | *5,170        | 4,040     | *4,090     | 3,100     | 8.84 m  |         |
|   | 10 ft                                | lb      |              |           | *23,600       | *23,600   | *15,690       | *15,690   | *12,710       | 12,250    | *11,290       | 8,710     | *9,000     | 6,860     | 29.0 ft |         |
|   | 1.5 m                                | kg      |              |           |               |           | *9,350        | 8,100     | *6,900        | 5,370     | *5,730        | 3,880     | *4,380     | 2,980     | 8.92 m  |         |
|   | 5 ft                                 | lb      |              |           |               |           | *20,180       | 17,480    | *14,970       | 11,590    | *12,470       | 8,380     | *9,640     | 6,590     | 29.3 ft |         |
|   | 0 m                                  | kg      |              |           | *6,980        | *6,980    | *10,750       | 7,690     | *7,750        | 5,130     | 6,090         | 3,760     | 4,870      | 3,020     | 8.74 m  |         |
|   | 0 ft                                 | lb      |              |           | *16,000       | *16,000   | *23,260       | 16,570    | *16,810       | 11,070    | 13,120        | 8,100     | 10,740     | 6,660     | 28.7 ft |         |
|   | -1.5 m                               | kg      | *6,140       | *6,140    | *10,240       | *10,240   | *11,270       | 7,520     | *8,190        | 5,010     | 6,010         | 3,690     | 5,220      | 3,220     | 8.29 m  |         |
|   | -5 ft                                | lb      | *13,740      | *13,740   | *23,260       | *23,260   | *24,420       | 16,200    | *17,760       | 10,800    | 12,960        | 7,960     | 11,540     | 7,120     | 27.2 ft |         |
|   | -3 m                                 | kg      | *10,060      | *10,060   | *15,150       | 14,530    | *10,990       | 7,530     | *8,080        | 4,990     | 6,040         | 3,710     | 6,030      | 3,710     | 7.51 m  |         |
| -10 ft  | lb                                   | *22,580 | *22,580      | *34,460   | 31,150        | *23,790   | 16,220        | *17,470   | 10,780        |           |               | 13,390    | 8,230      | 24.5 ft   |         |         |
| -4.5 m  | kg                                   | *15,090 | *15,090      | *14,010   | *14,010       | *9,720    | 7,690         | *7,010    | 5,130         |           |               | *6,550    | 4,840      | 6.27 m    |         |         |
| -15 ft  | lb                                   | *34,090 | *34,090      | *30,160   | *30,160       | *20,890   | 16,600        | *14,890   | 11,100        |           |               | *14,490   | 10,870     | 20.3 ft   |         |         |
| <b>Boom :</b><br>5.7 m GP<br>18'8" GP<br><b>Arm :</b><br>2.0 m ME<br>6'7" ME<br><b>Shoe :</b><br>900 mm<br>36"<br><b>CWT :</b><br>2,600 kg<br>5,730 lb  | 7.5 m                                | kg      |              |           |               |           |               |           |               |           |               |           | *6,210     | *6,210    | 4.92 m  |         |
|   | 25 ft                                | lb      |              |           |               |           |               |           |               |           |               |           | *13,800    | *13,800   | 15.6 ft |         |
|   | 6 m                                  | kg      |              |           |               |           |               |           | *5,950        | *5,950    |               |           | *5,990     | 5,590     | 6.29 m  |         |
|   | 20 ft                                | lb      |              |           |               |           |               |           | *13,150       | 13,010    |               |           | *13,220    | 12,550    | 20.4 ft |         |
|   | 4.5 m                                | kg      |              |           |               |           | *7,550        | *7,550    | *6,330        | 5,900     |               |           | *6,030     | 4,540     | 7.1 m   |         |
|   | 15 ft                                | lb      |              |           |               |           | *16,270       | *16,270   | *13,790       | 12,730    |               |           | *13,280    | 10,090    | 23.2 ft |         |
|   | 3 m                                  | kg      |              |           |               |           | *9,500        | 8,480     | *7,120        | 5,650     | *6,180        | 4,080     | *6,170     | 4,070     | 7.51 m  |         |
|   | 10 ft                                | lb      |              |           |               |           | *20,410       | 18,330    | *15,440       | 12,200    |               |           | *13,600    | 8,990     | 24.6 ft |         |
|   | 1.5 m                                | kg      |              |           |               |           |               |           | *7,890        | 5,420     | 6,260         | 3,990     | 6,130      | 3,910     | 7.61 m  |         |
|   | 5 ft                                 | lb      |              |           |               |           |               |           | *17,100       | 11,700    |               |           | 13,520     | 8,620     | 25.0 ft |         |
|   | 0 m                                  | kg      |              |           |               |           | *11,400       | 7,890     | *8,320        | 5,290     |               |           | 6,320      | 4,010     | 7.4 m   |         |
|   | 0 ft                                 | lb      |              |           |               |           | *24,710       | 17,000    | *18,040       | 11,420    |               |           | 13,950     | 8,840     | 24.3 ft |         |
|   | -1.5 m                               | kg      |              |           |               |           | *11,020       | 7,920     | *8,200        | 5,280     |               |           | *6,970     | 4,450     | 6.86 m  |         |
|   | -5 ft                                | lb      |              |           |               |           | *23,920       | 17,060    | *17,760       | 11,410    |               |           | *15,390    | 9,830     | 22.5 ft |         |
|   | -3 m                                 | kg      |              |           | *13,170       | *13,170   | *9,790        | 8,080     |               |           |               |           | *7,230     | 5,570     | 5.89 m  |         |
| -10 ft  | lb                                   |         |              | *28,600   | *28,600       | *21,140   | 17,430        |           |               |           |               | *15,960   | 12,420     | 19.2 ft   |         |         |
| <b>Boom :</b><br>5.7 m GP<br>18'8" GP<br><b>Arm :</b><br>2.5 m HD<br>8'2" HD<br><b>Shoe :</b><br>900 mm<br>36"<br><b>CWT :</b><br>2,600 kg<br>5,730 lb  | 7.5 m                                | kg      |              |           |               |           |               |           |               |           |               |           | *5,560     | *5,560    | 5.61 m  |         |
|   | 25 ft                                | lb      |              |           |               |           |               |           |               |           |               |           | *12,310    | *12,310   | 18.0 ft |         |
|   | 6 m                                  | kg      |              |           |               |           |               |           | *5,380        | *5,380    |               |           | *5,480     | 4,950     | 6.85 m  |         |
|   | 20 ft                                | lb      |              |           |               |           |               |           | *11,840       | *11,840   |               |           | *12,080    | 11,080    | 22.3 ft |         |
|   | 4.5 m                                | kg      |              |           |               |           | *6,830        | *6,830    | *5,880        | *5,880    | *5,550        | 4,210     | *5,550     | 4,130     | 7.59 m  |         |
|   | 15 ft                                | lb      |              |           |               |           | *14,750       | *14,750   | *12,800       | *12,800   |               |           | *12,230    | 9,160     | 24.8 ft |         |
|   | 3 m                                  | kg      |              |           |               |           | *8,800        | 8,660     | *6,740        | 5,710     | *5,840        | 4,110     | *5,710     | 3,730     | 7.98 m  |         |
|   | 10 ft                                | lb      |              |           |               |           | *18,930       | 18,710    | *14,610       | 12,330    | *12,770       | 8,860     | *12,580    | 8,250     | 26.2 ft |         |
|   | 1.5 m                                | kg      |              |           |               |           | *10,530       | 8,130     | *7,610        | 5,460     | *6,250        | 3,990     | 5,620      | 3,590     | 8.07 m  |         |
|   | 5 ft                                 | lb      |              |           |               |           | *22,720       | 17,560    | *16,500       | 11,780    | 13,510        | 8,610     | 12,410     | 7,920     | 26.5 ft |         |
|   | 0 m                                  | kg      |              |           |               |           | *11,310       | 7,900     | *8,190        | 5,290     | 6,180         | 3,910     | 5,770      | 3,660     | 7.88 m  |         |
|   | 0 ft                                 | lb      |              |           |               |           | *24,500       | 17,030    | *17,760       | 11,420    | 13,330        | 8,450     | 12,730     | 8,080     | 25.8 ft |         |
|   | -1.5 m                               | kg      |              |           | *10,740       | *10,740   | *11,240       | 7,870     | *8,280        | 5,240     |               |           | 6,330      | 4,000     | 7.37 m  |         |
|   | -5 ft                                | lb      |              |           | *24,540       | *24,540   | *24,360       | 16,950    | *17,950       | 11,310    |               |           | 14,000     | 8,850     | 24.1 ft |         |
|   | -3 m                                 | kg      |              |           | *14,460       | *14,460   | *10,330       | 7,980     | *7,610        | 5,320     |               |           | *6,830     | 4,830     | 6.48 m  |         |
| -10 ft  | lb                                   |         |              | *31,360   | *31,360       | *22,350   | 17,200        | *16,350   | 11,510        |           |               | *15,080   | 10,740     | 21.1 ft   |         |         |
| -4.5 m  | kg                                   |         |              | *11,160   | *11,160       | *7,960    | *7,960        |           |               |           |               | *6,960    | *6,960     | 4.98 m    |         |         |
| -15 ft  | lb                                   |         |              | *23,840   | *23,840       | *16,810   | *16,810       |           |               |           |               | *15,320   | *15,320    | 16.0 ft   |         |         |

Notes: 1. Machine in "Fine Mode-F" (Power Boost) for lifting capacities. 2. The above loads are in compliance with SAE J1097 and ISO 10567 Hydraulic Excavator Lifting Capacity Standards. 3. Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. 4. Rated loads marked with an asterisk (\*) are limited by hydraulic capacity rather than tipping load.

**LIFTING CAPACITY EC230F Electric L**

Lifting capacity 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 coupler from the following values.

|   | Lifting hook related to ground level |         | 1.5 m / 5 ft |           | 3.0 m / 10 ft |           | 4.5 m / 15 ft |           | 6.0 m / 20 ft |           | 7.5 m / 25 ft |           | Max. reach |           | Max.    |         |
|---|--------------------------------------|---------|--------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|------------|-----------|---------|---------|
|   |                                      |         | Along UC     | Across UC | Along UC      | Across UC | Along UC      | Across UC | Along UC      | Across UC | Along UC      | Across UC | Along UC   | Across UC |         |         |
| Boom :<br>5.7 m GP<br>18'8" GP<br>Arm :<br>2.9 m HD<br>9'6" HD<br>Shoe :<br>900 mm<br>36"<br>CWT :<br>2,600 kg<br>5,730 lb  | 7.5 m                                | kg      |              |           |               |           |               |           | *5,070        | *5,070    |               |           | *4,900     | *4,900    | 6.16 m  |         |
|   | 25 ft                                | lb      |              |           |               |           |               |           |               |           |               |           | *10,900    | *10,900   | 19.8 ft |         |
|   | 6 m                                  | kg      |              |           |               |           |               |           | *4,960        | *4,960    |               |           | *4,560     | 4,500     | 7.3 m   |         |
|   | 20 ft                                | lb      |              |           |               |           |               |           | *10,900       | *10,900   |               |           | *10,080    | 10,070    | 23.8 ft |         |
|   | 4.5 m                                | kg      |              |           |               |           |               |           | *5,510        | *5,510    | *5,200        | 4,260     | *4,500     | 3,820     | 8.0 m   |         |
|   | 15 ft                                | lb      |              |           |               |           |               |           | *12,010       | *12,010   | *11,440       | 9,170     | *9,920     | 8,480     | 26.2 ft |         |
|   | 3 m                                  | kg      |              |           |               |           | *8,220        | *8,220    | *6,410        | 5,780     | *5,590        | 4,140     | *4,620     | 3,480     | 8.37 m  |         |
|   | 10 ft                                | lb      |              |           |               |           | *17,700       | *17,700   | *13,910       | 12,480    | *12,200       | 8,930     | *10,170    | 7,700     | 27.4 ft |         |
|   | 1.5 m                                | kg      |              |           |               |           | *10,090       | 8,220     | *7,350        | 5,500     | *6,060        | 4,010     | *4,940     | 3,360     | 8.46 m  |         |
|   | 5 ft                                 | lb      |              |           |               |           | *21,770       | 17,740    | *15,940       | 11,870    | *13,190       | 8,640     | *10,860    | 7,410     | 27.8 ft |         |
|   | 0 m                                  | kg      |              |           | *5,360        | *5,360    | *11,130       | 7,900     | *8,040        | 5,300     | 6,180         | 3,900     | 5,370      | 3,410     | 8.27 m  |         |
|   | 0 ft                                 | lb      |              |           | *12,420       | *12,420   | *24,080       | 17,030    | *17,440       | 11,440    | 13,320        | 8,430     | 11,850     | 7,530     | 27.1 ft |         |
|   | -1.5 m                               | kg      | *6,200       | *6,200    | *10,250       | *10,250   | *11,290       | 7,820     | *8,280        | 5,220     | 6,140         | 3,870     | 5,830      | 3,690     | 7.79 m  |         |
|   | -5 ft                                | lb      | *13,910      | *13,910   | *23,320       | *23,320   | *24,470       | 16,840    | *17,950       | 11,260    | 13,260        | 8,370     | 12,890     | 8,160     | 25.5 ft |         |
|   | -3 m                                 | kg      | *11,310      | *11,310   | *15,270       | *15,270   | *10,650       | 7,900     | *7,870        | 5,260     |               |           | *6,470     | 4,350     | 6.95 m  |         |
|   | -10 ft                               | lb      | *25,420      | *25,420   | *33,100       | 32,850    | *23,040       | 17,020    | *16,980       | 11,360    |               |           | *14,280    | 9,660     | 22.7 ft |         |
| -4.5 m  | kg                                   |         |              | *12,420   | *12,420       | *8,820    | 8,150         |           |               |           |               | *6,710    | 6,020      | 5.59 m    |         |         |
| -15 ft  | lb                                   |         |              | *26,640   | *26,640       | *18,830   | 17,600        |           |               |           |               | *14,820   | 13,600     | 18.1 ft   |         |         |
| Boom :<br>5.7 m GP<br>18'8" GP<br>Arm :<br>3.5 m GP<br>11'6" GP<br>Shoe :<br>900 mm<br>36"<br>CWT :<br>2,600 kg<br>5,730 lb | 7.5 m                                | kg      |              |           |               |           |               |           |               |           |               |           | *4,190     | *4,190    | 6.78 m  |         |
|   | 25 ft                                | lb      |              |           |               |           |               |           |               |           |               |           |            | *9,300    | *9,300  | 21.9 ft |
|   | 6 m                                  | kg      |              |           |               |           |               |           |               |           | *4,500        | 4,390     | *3,970     | *3,970    | 7.83 m  |         |
|   | 20 ft                                | lb      |              |           |               |           |               |           |               |           | *9,830        | 9,410     | *8,780     | *8,780    | 25.5 ft |         |
|   | 4.5 m                                | kg      |              |           |               |           |               |           | *4,900        | *4,900    | *4,700        | 4,310     | *3,960     | 3,500     | 8.49 m  |         |
|   | 15 ft                                | lb      |              |           |               |           |               |           | *10,690       | *10,690   | *10,330       | 9,280     | *8,720     | 7,760     | 27.8 ft |         |
|   | 3 m                                  | kg      |              |           | *11,100       | *11,100   | *7,280        | *7,280    | *5,860        | *5,860    | *5,170        | 4,170     | *4,090     | 3,210     | 8.84 m  |         |
|   | 10 ft                                | lb      |              |           | *23,600       | *23,600   | *15,690       | *15,690   | *12,710       | 12,640    | *11,290       | 8,990     | *9,000     | 7,090     | 29.0 ft |         |
|   | 1.5 m                                | kg      |              |           |               |           | *9,350        | 8,380     | *6,900        | 5,550     | *5,730        | 4,010     | *4,380     | 3,090     | 8.92 m  |         |
|   | 5 ft                                 | lb      |              |           |               |           | *20,180       | 18,090    | *14,970       | 11,970    | *12,470       | 8,650     | *9,640     | 6,810     | 29.3 ft |         |
|   | 0 m                                  | kg      |              |           | *6,980        | *6,980    | *10,750       | 7,960     | *7,750        | 5,310     | 6,160         | 3,880     | *4,890     | 3,120     | 8.74 m  |         |
|   | 0 ft                                 | lb      |              |           | *16,000       | *16,000   | *23,260       | 17,170    | *16,810       | 11,460    | 13,270        | 8,380     | *10,780    | 6,890     | 28.7 ft |         |
|   | -1.5 m                               | kg      | *6,140       | *6,140    | *10,240       | *10,240   | *11,270       | 7,790     | *8,190        | 5,180     | 6,080         | 3,810     | 5,280      | 3,330     | 8.29 m  |         |
|   | -5 ft                                | lb      | *13,740      | *13,740   | *23,260       | *23,260   | *24,420       | 16,790    | *17,760       | 11,180    | 13,120        | 8,230     | 11,670     | 7,370     | 27.2 ft |         |
|   | -3 m                                 | kg      | *10,060      | *10,060   | *15,150       | 15,140    | *10,990       | 7,800     | *8,080        | 5,170     | 6,110         | 3,840     | 6,100      | 3,830     | 7.51 m  |         |
|   | -10 ft                               | lb      | *22,580      | *22,580   | *34,460       | 32,460    | *23,790       | 16,810    | *17,470       | 11,160    |               |           | *13,520    | 8,510     | 24.5 ft |         |
| -4.5 m  | kg                                   | *15,090 | *15,090      | *14,010   | *14,010       | *9,720    | 7,970         | *7,010    | 5,300         |           |               | *6,550    | 5,000      | 6.27 m    |         |         |
| -15 ft  | lb                                   | *34,090 | *34,090      | *30,160   | *30,160       | *20,890   | 17,200        | *14,890   | 11,480        |           |               | *14,490   | 11,240     | 20.3 ft   |         |         |

Notes: 1. Machine in "Fine Mode-F" (Power Boost) for lifting capacities. 2. The above loads are in compliance with SAE J1097 and ISO 10567 Hydraulic Excavator Lifting Capacity Standards. 3. Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. 4. Rated loads marked with an asterisk (\*) are limited by hydraulic capacity rather than tipping load.

# Equipment

## STANDARD AND OPTIONAL EQUIPMENT

• = Standard / o = Optional

### Electric / Electronic control system

|  |   |
|--|---|
| Anti-theft with code lock system                   | • |
| Automatic idling system                            | • |
| Lock Out / Tag Out function on battery main switch | • |
| Standard light                                     | o |
| Basic light package                                | o |
| Advanced light package                             | o |
| Deluxe light package                               | o |
| Arm light  | o |
| LH light   | o |

### Electric powertrain

|                             |   |
|-----------------------------|---|
| Standard fan drive          | • |
| Reversible fan drive        | o |
| New work mode with 10 steps | • |
| Automatic machine shutdown  | o |

### Undercarriage / Superstructure

|   |   |
|---|---|
| 3-point side access   | • |
| Openable 1 piece hood   | • |
| Platform handrail fixed & Guardrail, foldable                     | • |
| SIPS (Side Impact Protection Steel)                               | o |
| HD S/door & hood, Demo  | o |
| Lowr frame L, N, NL   | o |
| Link 500/600/700/800/900 mm (20/24/28/32/36") triple grouser shoe | o |
| Link 600 mm (24") triple grouser shoe, HD                         | o |
| Link 600 mm (24") single grouser shoe                             | o |
| Link 600 mm (24") add rubber pad shoe                             | o |
| Link 700 mm (28") double grouser shoe                             | o |
| Full track guard  | o |
| Counterweight 2,600 kg (5,730 lb)                                 | • |

## STANDARD AND OPTIONAL EQUIPMENT

• = Standard / o = Optional

### Hydraulic System

|   |   |
|---|---|
| EH-positive (Electro-Hydraulic) control system                              | • |
| Boom up & swing priority  | • |
| Auto warm up  | • |
| Auto power boost  | • |
| One touch power boost   | • |
| Priority Adjustment   | • |
| Boom down speed control   | • |
| Shock reduction function  | • |
| Joystick, Semi-long / 4 switch / 4 switch & 1 proportional / Simple L8 / L8 | o |
| Hydraulic oil mineral, 32 / 46 / 68   | o |
| Longlife hyd oil mineral, 32 / 46 / 68                                      | o |
| Hydraulic oil bio 46  | o |
| Pattern change  | • |
| Boom float function   | • |
| Straight travel pedal   | • |
| Comfort driving control   | o |
| Creep mode  | • |
| Variable X3 P-Q control   | o |
| Hose rupture valve for boom   | o |
| Hose rupture valve for arm  | o |

### Digging equipment

|  |   |
|--|---|
| GP 5.7 m (18'8") boom  | • |
| HD 5.7 m (18'8") boom/ VA 5.57 m (18'3") boom  | o |
| GP 2.9 m (9'6") arm  | • |
| HD 2.9 m (9'6") arm/ ME 2.0 m (6'7"), arm/ HD 2.5 m (8'2") arm/ GP 3.5 m (11'6") arm | o |

### Machine controls

|   |   |
|---|---|
| Kinematic sensor package                            | • |
| Volvo Co-Pilot 2nd display, 12.8" touchable Full HD | • |
| Dig Assist, Start                                   | • |
| Dig Assist, 2D                                      | o |
| Dig Assist, In-Field Design                         | o |
| Dig Assist, Topcon 3D-MC                            | o |
| Dig Assist, Trimble Earthworks                      | o |
| Dig Assist, Infield-Design Advanced                 | o |
| Dig Assist, On-Board Weighing                       | o |
| Dig Assist, Laser Receiver                          | • |
| Volvo Active Control                                | o |
| Dig Assist, Boundary Limit                          | • |

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**STANDARD AND OPTIONAL EQUIPMENT**

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• = Standard / o = Optional

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**Safety**

|   |   |
|---|---|
| Travel alarm, white noise                 | • |
| Flashing beacon, LED                      | • |
| Green light beacon                        | o |
| Rear view camera                          | o |
| Side view camera                          | o |
| HD VSV (Volvo Smart View)                 | • |
| HD VSV with obstacle detection            | o |
| Provision, HD VSV with obstacle detection | • |

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**Cab, interior**

|  |   |
|--|---|
| Keyless machine start and stop                               | • |
| 8" HD display  | • |
| ROPS certified cab   | • |
| Tiltable left console  | • |
| Digital hour meter   | • |
| Wireless mobile charger with Kinematic sensor package option | • |
| Various storage space with cool/heated                       | • |
| Cleaning air gun   | o |
| 1 piece wind shield cab                                      | o |
| High visibility cab  | o |
| Cabin large mirror   | • |
| Cabin large mirror, Heated                                   | o |
| Basic / Premium / Deluxe seat                                | o |
| Seat belt, 2 inch 2 point / 3 inch 2 point / 3 inch 3 point  | o |
| Climate control-HEPA filter                                  | o |
| Radio with MP3/USB/Bluetooth                                 | o |
| Front rain shield  | o |
| Sun screen   | • |
| Lower wiper  | o |
| Sun shield, roof hatch                                       | o |
| Foot rest, High mount  | • |
| FOG (Falling Object Guard)                                   | o |
| FOPS (Falling Object Protection Structure)                   | o |
| Safety net   | o |

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**Service and Maintenance**

|                                     |   |
|-------------------------------------|---|
| Quick Hydraulic Oil Fill connection | • |
| Auto lubrication system             | o |
| Tool kit                            | o |

**V O L V O**