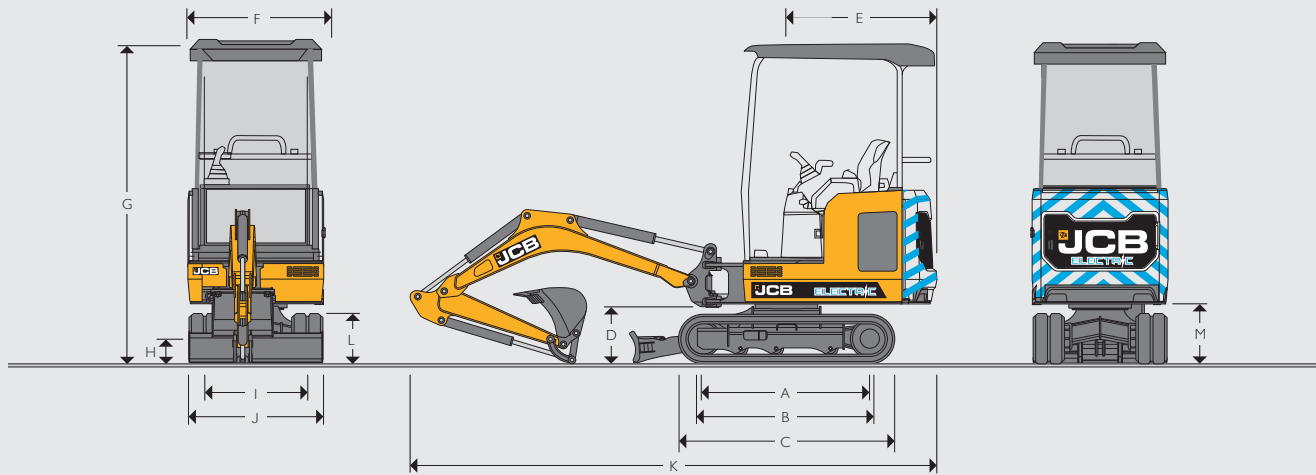


**STATIC DIMENSIONS**



**STATIC DIMENSIONS**

| Dimension | Description                                    | Unit       | Value                   |
|-----------|--|------------|-------------------------|
| A         | Sprocket idler centers                         | ft-in (mm) | 4-0 (1,218)             |
| B         | Track length on ground                         | ft-in (mm) | 4-0 (1,220)             |
| C         | Undercarriage overall length – rubber          | ft-in (mm) | 5-2 (1,578)             |
|           | Undercarriage overall length – steel           | ft-in (mm) | 5-2 (1,578)             |
| D         | Kingpost clearance                             | ft-in (mm) | 1-4 (409)               |
| E         | Tailswing radius                               | ft-in (mm) | 3-7 (1,103)             |
| F         | Overall width of superstructure                | ft-in (mm) | 3-3 (996)               |
| G         | Height over canopy                             | ft-in (mm) | 7-8 (2,345)             |
| H         | Ground clearance                               | ft-in (mm) | 0-6 (162)               |
| I         | Track gauge – retracted/extended               | ft-in (mm) | 2-5/3-7 (750/1,110)     |
| J         | Width over tracks / rubber / steel – retracted | ft-in (mm) | 3-2 (980)               |
|           | Width over tracks / rubber / steel – extended  | ft-in (mm) | 4-4 (1,330)             |
| K         | Transport length                               | ft-in (mm) | 12-6/12-8 (3,815/3,860) |
| L         | Track height                                   | ft-in (mm) | 1-2 (367)               |
| M         | Counterweight clearance                        | ft-in (mm) | 1-5 (434)               |

**POWER SOURCE**

|                                |   |
|--------------------------------|---|
| Battery type                   | Manganese laminated Lithium-ion         |
| Gross capacity                 | 19.8 kWh                                |
| System voltage                 | 48 V                                    |
| Indicative run time            | 5 hours, based upon typical duty cycle. |
| Zero emissions at point of use |   |

**CHARGING**

|  |  |
|--|--|
| On-board charger allowing direct connection to AC mains power supply |  |
| Indicative Charge Time 20-80% subject to environmental conditions    | On-board @ 110 V – 10.5 hrs                                      |
|  | On-board @ 230 V – 5 hrs   |
| Off-board fast charge (optional) @ 415 V                             | 2 – 2.5 hrs  |
| Charging cable plug type   | 16 A 110 V (Yellow)<br>16 A 230 V (Blue)<br>add 16 A 415 V (Red) |

**MOTOR**

|                 |  |
|-----------------|--|
| Motor Type      | 3 Phase AC Permanent Magnet                  |
| Motor Power     | 7 kW continuous, 20 kW peak                  |
| Operating Modes | L: 1,200 RPM<br>G: 1,600 RPM<br>H: 1,800 RPM |

**UNDERCARRIAGE**

|                     |            |              |
|---------------------|------------|--------------|
| Track width rubber  | ft-in (mm) | 0-9 (230)    |
| Travel speed – low  | mph (km/h) | 1.5 (2.4)    |
| Travel speed – high | mph (km/h) | 2.5 (4.1)    |
| Tractive effort     | lb (kN)    | 2,967 (13.2) |

**HYDRAULIC SYSTEM**

|                                      |             |             |
|--------------------------------------|-------------|-------------|
| Nominal output @ max. RPM            | gpm (l/min) | 11 (42)     |
| Excavator/track main relief pressure | psi (bar)   | 3,408 (235) |
| Slew main relief pressure            | psi (bar)   | 2,422 (167) |
| Auxiliary hydraulic pressure (Aux 1) | psi (bar)   | 2,900 (200) |
| Auxiliary hydraulic pressure (Aux 2) | psi (bar)   | 2,900 (200) |
| Auxiliary hydraulic flow (Aux 1)     | gpm (l/min) | 8 (32)      |
| Auxiliary hydraulic flow (Aux 2)     | gpm (l/min) | 8 (32)      |

**WEIGHTS**

|   |                           |               |
|---|---------------------------|---------------|
| Operating weight*                           | lb (kg)                   | 4,193 (1,902) |
| Long dozer                                  | lb (kg)                   | 19 (9)        |
| Mechanical quick hitch                      | lb (kg)                   | 30 (14)       |
| Hydraulic quick hitch (without hoses)       | lb (kg)                   | 52 (24)       |
| Gravemaster dipper                          | lb (kg)                   | 11 (5)        |
| Shipping weight**                           | lb (kg)                   | 3,899 (1,769) |
| Ground bearing pressure (rubber tracks)     | psi (kg/cm <sup>2</sup> ) | 5.1 (0.36)    |
| Transport weight (operator weight - 165 lb) | lb (kg)                   | 4,027 (1,827) |

\*Operator weight to ISO 6016 including canopy, rubber tracks, 3'1" dipper, 3'7" dipper, 11" bucket, 165 lb operator. \*\*Shipping weight to ISO 6016 is mass of the base machine without operator.

**SERVICE CAPACITIES**

|                  |         |        |
|------------------|---------|--------|
| Hydraulic system | gal (l) | 7 (28) |
| Hydraulic tank   | gal (l) | 3 (15) |

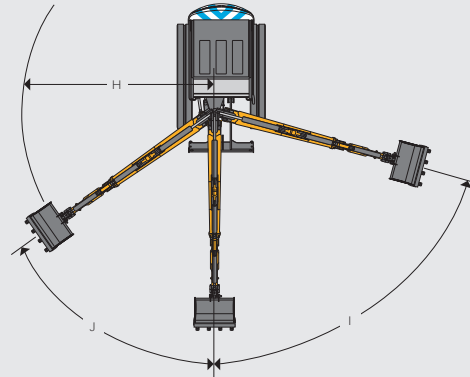
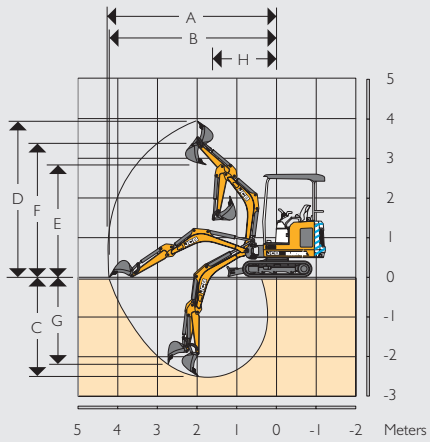
**OPERATOR ENVIRONMENT**

|               |            |             |
|---------------|------------|-------------|
| Canopy height | ft-in (mm) | 4-5 (1,364) |
| Canopy length | ft-in (mm) | 4-8 (1,427) |
| Canopy width  | ft-in (mm) | 3-2 (978)   |

**DOZER**

|                                   |            |             |
|-----------------------------------|------------|-------------|
| Dozer length (STD) center of boss | ft-in (mm) | 2-7 (787)   |
| Max. height above ground          | ft-in (mm) | 0-9 (239)   |
| Dig depth below ground            | ft-in (mm) | 0-8 (225)   |
| Approach angle                    | degrees    | 25.3        |
| Width (without wings)             | ft-in (mm) | 3-2 (980)   |
| Width (with wings)                | ft-in (mm) | 4-4 (1,340) |
| Height                            | ft-in (mm) | 0-9 (234)   |

WORKING RANGE



|   |  | 3'1" (950 mm) Dipper | 3'7" (1,100 mm) Dipper | 4'5" (1,344 mm) Gravemaster Dipper |               |
|---|--|----------------------|------------------------|------------------------------------|---------------|
|   | Boom length                            | ft-in (mm)           | 5-10 (1,800)           | 5-10 (1,800)                       | 5-10 (1,800)  |
| A | Max. digging reach                     | ft-in (mm)           | 12-9 (3,899)           | 13-3 (4,043)                       | 13-11 (4,247) |
| B | Max. digging reach on ground           | ft-in (mm)           | 12-7 (3,834)           | 13-0 (3,981)                       | 13-10 (4,220) |
| C | Max. digging depth – dozer up          | ft-in (mm)           | 7-5 (2,271)            | 7-11 (2,421)                       | 8-9 (2,665)   |
|   | Max. digging depth – dozer down        | ft-in (mm)           | 7-11 (2,426)           | 8-5 (2,576)                        | 9-3 (2,819)   |
| D | Max. digging height                    | ft-in (mm)           | 11-8 (3,556)           | 12-0 (3,667)                       | 12-7 (3,847)  |
| E | Max. dump/load-over height             | ft-in (mm)           | 8-6 (2,598)            | 8-7 (2,637)                        | 9-3 (2,818)   |
| F | Max. height to dipper nose pivot pin   | ft-in (mm)           | 10-2 (3,116)           | 10-4 (3,154)                       | 10-11 (3,335) |
| G | Max. vertical wallcut depth            | ft-in (mm)           | 6-4 (1,933)            | 7-0 (2,139)                        | 7-9 (2,375)   |
|   | Min. front swing radius (no offset)    | ft-in (mm)           | 4-10 (1,488)           | 4-11 (1,517)                       | 5-1 (1,565)   |
|   | Min. front swing radius (fully offset) | ft-in (mm)           | 3-10 (1,171)           | 3-11 (1,196)                       | 4-0 (1,236)   |
| I | Boom swing left                        | degrees              | 75                     | 75                                 | 75            |
| J | Boom swing right                       | degrees              | 55                     | 55                                 | 55            |
|   | Bucket rotation                        | degrees              | 201                    | 201                                | 201           |
|   | Dipper rotation                        | degrees              | 126                    | 126                                | 126           |
|   | Bucket tearout (power position)        | lb (kN)              | 4,046 (18)             | 4,046 (18)                         | 4,046 (18)    |
|   | Dipper tearout                         | lb (kN)              | 2,270 (10.1)           | 2,045 (9.1)                        | 1,775 (7.9)   |
|   | Slew speed                             | RPM                  | 7.9                    | 7.9                                | 7.9           |

EQUIPMENT

SERVICE AND MAINTENANCE

|                                      |   |
|--------------------------------------|---|
| Beacon ready kit                     | • |
| 500 hours dig end greasing intervals | • |
| Grease gun & cartridge               | + |
| Toolkit                              | + |

TRACKS AND UNDERCARRIAGE

|  |   |
|--|---|
| 230 mm short pitch rubber tracks       | • |
| Two-speed tracking                     | • |
| Retractable undercarriage              | • |
| Extendable dozer blade                 | • |
| Heavy-duty recoiled tracked tensioners | • |
| Long dozer blade                       | + |
| Auto kick-down track motors            | • |
| Auto kick-up                           | • |

OPERATOR STATION

|   |   |
|---|---|
| On-board charger  | • |
| LED worklights  | + |
| Full audio visual warning systems                         | • |
| Full control isolation                                    | • |
| 12 volt power socket                                      | • |
| ISO servo controls  | • |
| Static seat   | • |
| Electro-proportional thumb controlled dual flow auxiliary | + |
| Dual patterned controls (ISO/SAE changeover)              | + |
| Vinyl suspension seats                                    | + |
| Fire extinguisher   | + |
| Track lever pedals  | + |

POWER SOURCE

|               |   |
|---------------|---|
| 4 power packs | • |
|---------------|---|

HYDRAULICS

|                                  |   |
|----------------------------------|---|
| Hydraulic slew travel lock       | • |
| Single acting auxiliary circuit  | • |
| Variable displacement pump       | • |
| Straight line travel circuit     | • |
| ORFS hydraulics                  | • |
| Quick release auxiliary couplers | • |
| Double acting auxiliaries        | + |
| Auxiliary vent                   | • |

PROTECTION AND SAFETY

|                                       |   |
|---------------------------------------|---|
| ROPS, TOPS & FOGS certified canopy    | • |
| Internal lockable toolbox             | • |
| Protected boom work light             | • |
| 2GO hydraulic isolation               | • |
| Cesar Data Tag (UK ONLY)              | • |
| Disconnect switch                     | • |
| Rotating beacon                       | + |
| Seat belt engaged green beacon        | + |
| JCB LiveLink                          | • |
| Pin pad immobilizer                   | + |
| Polycarbonate front screen protection | + |
| Boom LED worklight guard              | + |
| FOGS guard level I                    | • |
| Travel alarm                          | + |

EXTERNAL EQUIPMENT

|                            |                     |
|----------------------------|---------------------|
| Charging leads 110 V       | •                   |
| Charging leads 230 V       | •                   |
| Standard dipper ft-in (mm) | 3-7 (1,100)         |
| Dipper options ft-in (mm)  | 3-1/4-5 (950/1,344) |
| Tie down points            | •                   |
| LED beacon                 | +                   |
| Heavy duty kingpost        | •                   |
| Exterior mirrors           | +                   |
| GP & bladed bucket range   | +                   |
| Mechanical quick hitch     | +                   |
| Hydraulic quick hitch      | +                   |
| Thumb ready dipper         | +                   |

STANDARD •  
OPTIONAL +

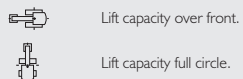
**LIFT CAPACITIES – 9" RUBBER TRACKS, 5'10" BOOM, 3'7" DIPPER, NO BUCKET. 19C-1E**

| Load Point | 4'11"   |   |   |   | 6'6"  |   |   |   | 8'2"  |   |   |   | 9'10"   |   |   |   | 11'5"   |   |   |   | Capacity at max. reach  |   |   |   | Distance     |
|------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------|
|            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |
| Height     | Extended  | Retracted   | Dozer Up  | Dozer Down  | Extended  | Retracted   | Dozer Up  | Dozer Down  | Extended  | Retracted   | Dozer Up  | Dozer Down  | Extended  | Retracted   | Dozer Up  | Dozer Down  | Extended  | Retracted   | Dozer Up  | Dozer Down  | Extended  | Retracted   | Dozer Up  | Dozer Down  | Distance     |
| ft-in      | lb  | lb  | lb  | lb  | lb  | lb  | lb  | lb  | lb  | lb  | lb  | lb  | lb  | lb  | lb  | lb  | lb  | lb  | lb  | lb  | lb  | lb  | lb  | lb  | ft-in (mm)   |
| 8-2        |   |   |   |   | 1,146*  | 919   | 1,190*  | 967*  | 731*  | 703*  | 643*  | 663*  |   |   |   |   |   |   |   |   |   |   |   |   | 8-10 (2,690) |
| 6-6        |   |   |   |   | 1,243*  | 903   | 1,291*  | 1,049*  | 736*  | 707*  | 654*  | 685*  | 822*  | 482   | 751   | 787*  |   |   |   |   |   |   |   |   | 9-10 (3,000) |
| 4-11       |   |   |   |   | 1,355*  | 873   | 1,397*  | 1,355*  | 886*  | 656   | 826*  | 864*  | 848*  | 485   | 784   | 826*  |   |   |   |   |   |   |   |   | 10-9 (3,300) |
| 3-3        | 1,518*  | 947   | 1,845   | 2,120*  | 1,419*  | 897   | 1,351*  | 1,424*  | 1,089*  | 630   | 1,016*  | 1,062*  | 870*  | 480   | 837   | 877*  | 604   | 374   | 582   | 740*  | 604   | 374   | 582   | 740*  | 11-5 (3,500) |
| 1-7        | 1,466   | 919   | 1,739   | 2,173*  | 1,302   | 791   | 1,397   | 1,790*  | 994   | 601   | 1,000   | 1,267*  | 747   | 460   | 859   | 954*  | 588   | 363   | 599   | 758*  | 588   | 363   | 599   | 758*  | 11-5 (3,500) |
| 0          | 1,719   | 1,080   | 1,752   | 2,112*  | 1,247   | 791   | 1,320   | 1,695*  | 934   | 588   | 967   | 1,216*  | 566   | 451   | 778   | 965*  |   |   |   |   |   |   |   |   | 11-1 (3,400) |
| -1-7       | 2,023*  | 1,089   | 1,988*  | 2,028*  | 1,483*  | 791   | 1,300   | 1,596*  | 1,084*  | 599   | 952   | 1,172*  | 817*  | 471   | 833   | 864*  |   |   |   |   |   |   |   |   | 10-7 (3,250) |
| -3-3       | 1,545*  | 1,056   | 1,554*  | 1,737*  | 1,214*  | 771   | 1,232*  | 1,313*  | 934*  | 586   | 928*  | 974*  | 639*  | 546*  | 712*  | 736*  |   |   |   |   |   |   |   |   | 9-10 (3,000) |
| -4-11      | 1,128*  | 1,049   | 1,058*  | 1,161*  | 1,014*  | 793   | 908*  | 943*  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 7-2 (2,200)  |

**NOISE/ VIBRATION 19C-E**

|  |       |             |        |   |
|--|-------|-------------|--------|---|
| Noise and vibration                      |       | Uncertainty |        | Measurement conditions                        |
| Noise at the operator station (LpA)      | 68 dB | (KpA)       | ± 1 dB | ISO 6396: 2008                                |
| Noise emission from the machine (LWA)    | 87 dB | (KWA)       | ± 1 dB | ISO 6395: 1988                                |
| Hand arm vibration (m/s <sup>2</sup> )   |       |             |        |   |
| Tracking duty                            | ≤ 2.5 | (K)         | *      | EN ISO 5349-2: 2001                           |
| Low idle & excavating duty               |       |             |        | Based upon a test cycle defined in SAE J 1166 |
| Whole body vibration (m/s <sup>2</sup> ) | 0.41  | (K)         | 0.21   | ISO 2631-1: 1997                              |

\* based on 50% uncertainty of measurement



- Notes:**
1. Lifting capacities are based on ISO 10567, that is: 75% of minimum tipping load or 87% of hydraulic lift capacity, whichever is the less. Lifting capacities marked\* are based on hydraulic capacity.
  2. Lift capacities assume that the machine is on firm level ground and equipped with an approved lifting point.
  3. A bucket must be fitted when lifting, the weight of this bucket must be deducted from the above lift capacities.
  4. Lift capacities may be limited by local regulations. Please refer to your dealer.