

## JCB 1.9 Tonne Electric Mini Excavator 19C-1E

### SPECIFICATION SHEET



Our 19C-I 1.9 Tonne Electric Excavators are designed to withstand the toughest of job sites, offering high quality performance needed for excellent load hold capacity and a large footprint area for exceptional stability without compromising access to confined areas. Featuring a powerful digging force, wider working range, enhanced accessibility to sites e.g. roadside or residential areas and 100% electric with zero emissions, zero compromise on performance and significantly less noise.

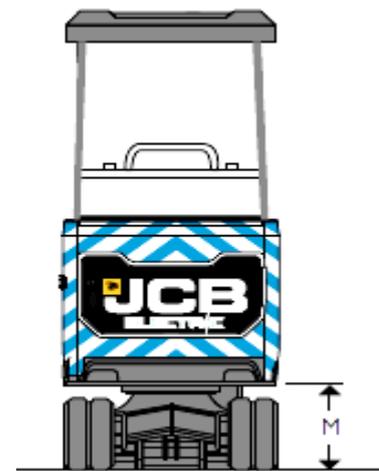
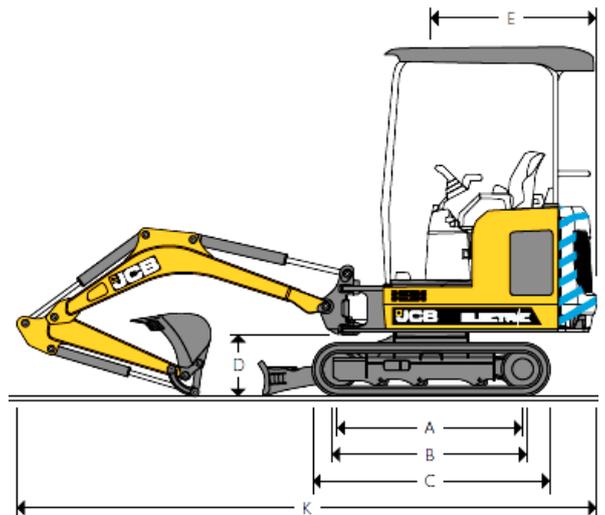
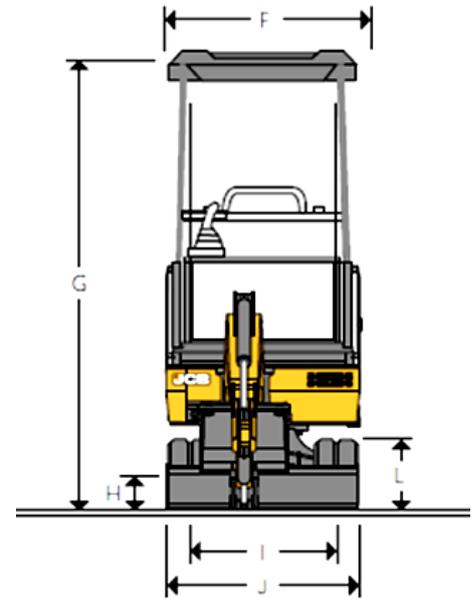
## Technical Data

Dimensions	
Sprocket Idler Centres (A)	1218 mm
Track Length on ground (B)	1220 mm
Undercarriage overall length – rubber (C)	1578 mm
Undercarriage overall length – steel	1578 mm
Kingpost clearance (D)	409 mm
Tailswing radius (E)	1103 mm
Overall width of superstructure (F)	996 mm
Height over canopy (G)	2345 mm
Ground clearance (H)	162 mm
Track gauge – retracted/extended (I)	750 – 1110 mm
Width over tracks / rubber / steel – retracted	980 mm
Width over tracks / rubber / steel - extended	1330 mm
Transport length (K)	3860 – 3815 mm
Track height (L)	367 mm
Counterweight Clearance (M)	434 mm

Power Source	
Battery type	Manganese laminated lithium-ion
Gross capacity	14.8 kWh (3 pack)
System voltage	48 V
Indicative run time	4 hours
Zero emissions at point of use	

Charging	
On-board charger allowing direct connection to AC mains power supply	
Indicative charge time 0-100% for a 3 battery pack machine, subject to environmental conditions	On-board @ 110V – 12 hours On Board @ 230V – 8 hours
Off-board fast charge (optional) @ 415 V	2 – 2.5 hours
Charging cable plug type	16A 110V (Yellow) 16A 230V (Blue) Add 16A 415V (Red)

Motor	
Motor type	DEUTZ
Motor power	TCD 3.6 L4
Operating modes	L: 1200 rpm G: 1600 rpm H: 1800 rpm



## Undercarriage

No. of bottom rollers	3
Track width rubber	230 mm
Travel speed – low	1.49 mph
Travel speed – high	2.55 mph
Tractive effort	13.2 kN

## Hydraulic System

Pump	18 cc
Nominal output @ max rpm	42 lpm
Excavator/track main relief pressure	235 bar
Slew main relief pressure	167 bar
Auxiliary hydraulic pressure (Aux 1)	200 bar
Auxiliary hydraulic pressure (Aux 2)	200 bar
Auxiliary hydraulic flow (Aux 1)	32 lpm
Auxiliary hydraulic flow (Aux 2)	32 lpm
Hydraulic pump	Piston

## Weights

Operating weight (3 battery pack)	1862 kg
Operating weight (4 battery pack)	1902 kg
Long dozer	9 kg
Mechanical quickhitch	14 kg
Hydraulic quickhitch (without hoses)	
Gravemaster dipper	
4 <sup>th</sup> battery pack	
Ground bearing pressure (rubber tracks)	
Transport weight (operator weight – 75kg)**	

\*Operator weight to ISO 6016 including canopy, rubber tracks, 950 dipper, 1100 dipper, 300mm bucket, 75kg operator. \*\*Transport weight to ISO 6016 is mass of the base machine without operator

## Service capabilities

Hydraulic system	28 L
Hydraulic tank	15 L

## Operator environment

Canopy height	1364 mm
Canopy length	1427 mm
Canopy width	978 mm

## Dozer

Dozer length (STD) centre of boss	3
Max. height above ground	239 mm
Dig depth below ground	225 mm
Approach angle	25.3 deg
Width (without wings)	980 mm
Width (with wings)	1340 mm
Height	234 mm

Working Range	
Boom length	1800 mm
Max. digging reach (A)	3899 mm
Max. digging reach on ground (B)	3834 mm
Max. digging depth – dozer up (C)	2271 mm
Max. digging depth – dozer down (C)	2426 mm
Max. digging height (D)	3556 mm
Max. dump/load-over height (E)	2598 mm
Max. height to dipper nose pivot pin (F)	3116 mm
Max. vertical wallcut depth (G)	1933 mm
Min. front swing radius (no offset) (H)	1488 mm
Min. front swing radius (fully offset) (H)	1171 mm
Boom swing left (I)	75°
Boom swing right (J)	55°
Bucket rotation	201°
Dipper rotation	126°
Bucket tearout (power position)	18 kN
Dipper tearout	10.1 kN
Slew speed	7.9 rpm

