

JCB 19C-1E

ELECTRIC MINI EXCAVATOR

Choose Zero emissions



Industry's first fully electric mini excavator with zero emissions

Choose Productivity



Four lithium-ion batteries power the machine for a full day on a single charge

Choose Quiet



Operator station noise is reduced by 10dB and external noise by 6dB

Choose Safety



JCB's 2GO system safely isolates all the controls as a secondary safety system

Choose Economical



Auto-idle and auto kick-up redistributes power to preserve battery life



To know more

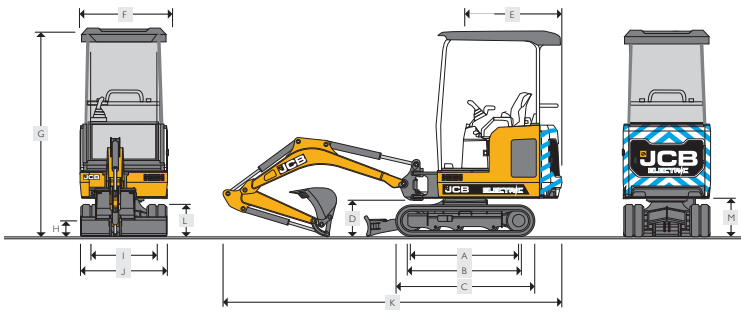


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Transport weight: 1,902 - 2,037kg
Battery Capacity: 19.8 kWh

SPECIFICATION: 19C-1E ELECTRIC MINI EXCAVATOR

STATIC DIMENSIONS



STATIC DIMENSIONS

Dimension	Description	Unit	Value
A	Sprocket idler centres	mm	1218
B	Track length on ground	mm	1220
C	Undercarriage overall length – rubber	mm	1578
	Undercarriage overall length – steel	mm	1578
D	Kingpost clearance	mm	409
E	Tailswing radius	mm	1103
F	Overall width of superstructure	mm	996
G	Height over canopy	mm	2345
G	Height over cab	mm	2328
H	Ground clearance	mm	162
I	Track gauge – retracted/extended	mm	750 – 1110
J	Width over tracks / rubber / steel – retracted	mm	980
	Width over tracks / rubber / steel – extended	mm	1330
K	Transport length	mm	3860 – 3815
L	Track height	mm	367
M	Counterweight clearance	mm	434

POWER SOURCE

Battery Type	Manganese laminated Lithium-ion
Gross Capacity	19.8 kWh
System Voltage	48V
Zero Emissions at point of use	

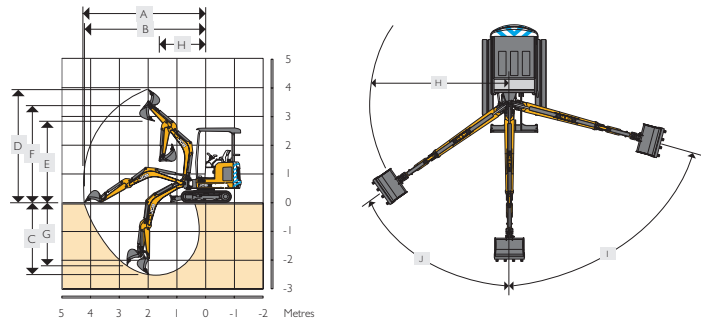
CHARGING

On-board charger allowing direct connection to AC mains power supply	
Indicative Charge Time - 20-80%, subject to environmental conditions.	On-board @ 110V – 10.5 hrs On-board @ 230V – 5 hrs
Off-board fast charge - 0-100% @ 415V	2.5 hrs
Charging cable plug type	I6A 110V (Yellow) I6A 230V (Blue) I6A 415V (Red)

MOTOR

Motor Type	3 Phase AC Permanent Magnet
Motor Power	7kW continuous, 20kW peak
Operating Modes	L: 1200rpm G: 1600rpm H: 1800rpm

WORKING RANGE



		1100mm Dipper	1344mm Gravemaster Dipper
	Boom length	mm	1800
A	Max. digging reach	mm	4043
B	Max. digging reach on ground	mm	3981
C	Max. digging depth – dozer up	mm	2421
	Max. digging depth – dozer down	mm	2576
D	Max. digging height	mm	3667
E	Max. dump/load-over height	mm	2637
F	Max. height to dipper nose pivot pin	mm	3154
G	Max. vertical wallcut depth	mm	2139
H	Min. front swing radius (no offset)	mm	1517
	Min. front swing radius (fully offset)	mm	1196
I	Boom swing left	degrees	75
J	Boom swing right	degrees	55
	Bucket rotation	degrees	201
	Dipper rotation	degrees	126
	Bucket tearout (power position)	kN	18
	Dipper tearout	kN	9.1
	Slew speed	rpm	7.9

WEIGHTS

		Canopy	Cab
Operating weight	kg	1902	2037
Long dozer	kg		9
Mechanical quickhitch	kg		14
Hydraulic quickhitch (without hoses)	kg		24
Gravemaster dipper	kg		5
Ground bearing pressure (rubber tracks)	kg/cm ²		0.36
Transport weight (operator weight – 75kg)**	kg	1827	1962

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

OPERATOR ENVIRONMENT

		Canopy	Cab
Canopy/cab height	mm	1364	1347
Canopy/cab length	mm	1427	1202
Canopy/cab width	mm	978	1040

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Dealer's stamp:

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