

# BOBCAT E10e ELECTRIC MINI-EXCAVATOR BUILT FOR INDOOR



## Battery powered, zero tail swing (ZTS) mini-excavator in the 1-tonne class!



### WORKS ALL DAY

Thanks to Lithium-Ion, maintenance-free battery packs, the E10e can operate throughout a full working day, using operator breaks to recharge the batteries.



### LIGHT AND COMPACT TO FIT INDOORS

With its width of just 71 cm and just over 1 tonne in weight, the E10e provides a very attractive solution for indoor projects.

**And it's zero-emission!**



### NEAR-SILENT

The E10e noise level is only 72 dBA vs 80 dBA for the standard diesel E10z machine. This is nearly half the noise of a similar diesel machine!



Bobcat has helped to inspire the increasing focus on electric construction machines, being one of the pioneers in this area.

There is a major opportunity for compact excavators in:

- indoor demolition,
- city center developments,
- night-time work,
- contracts in quiet areas such as hospitals, cemeteries, schools, etc.

Until now, there was no easy and effective solution that could blend compact size, low noise and zero emission to satisfy the needs of these applications.

The new E10e is a game changer in this domain. Designed for tough use in indoor demolition, it also excels at the jobs where disruption needs to be minimized.

All of the systems and components on the E10e have been optimized for work in harsh environments – all electric powertrain components are fully sealed and designed to meet construction equipment requirements for robustness.



### FULL-DAY PRODUCTIVITY

Following the daily working routine, the E10e can operate throughout a full working day. Using an external Supercharger functionality, the batteries can be recharged to 80% of battery capacity in around 1 hour. The batteries can also be recharged overnight by using the on-board charger from a standard 230 V grid.

0%

### ZERO-EMISSION

Safe, zero-emission design. The E10e provides a very attractive solution for indoor projects - for rental companies and contractors alike.

1/2

### HALF NOISE

The E10e offers very low noise levels on-site with an LpA (operator noise) of only 72 dB(A).



### HIGH PERFORMANCE

Thanks to the constant power curve provided by the electric powertrain, the E10e provides the same, or even better, performance as the E10z diesel machine. Thermal management system ensures that the batteries possess a wide temperature operation window.



### OPERATOR COMFORT

The E10e provides the unbeatable operator comfort enjoyed in the diesel version, plus several unique features for the electrical version only, including Smart Graphic Display.



### MULTIPLE ATTACHMENTS

The E10e can be operated with all E10z attachments including more advanced attachments thanks to double-acting auxiliary hydraulics.

Digging, grading buckets, and the famous Bobcat HB280 breaker make the E10e an effective partner for any tough project.



### COMPACT DESIGN

With the successful features of the standard E10z machine for working in confined spaces, the new E10e has the same ZTS profile and identical external dimensions. It's compact (71 cm) and light (just over 1 tonne) to go through standard doors and into construction elevators.

### BATTERY RUN TIME

#### Demolition



Hydraulic breaker



#### Trenching



Digging bucket



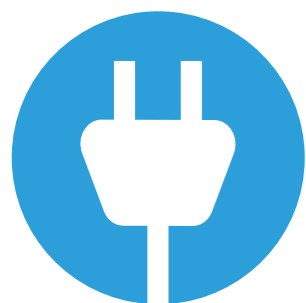
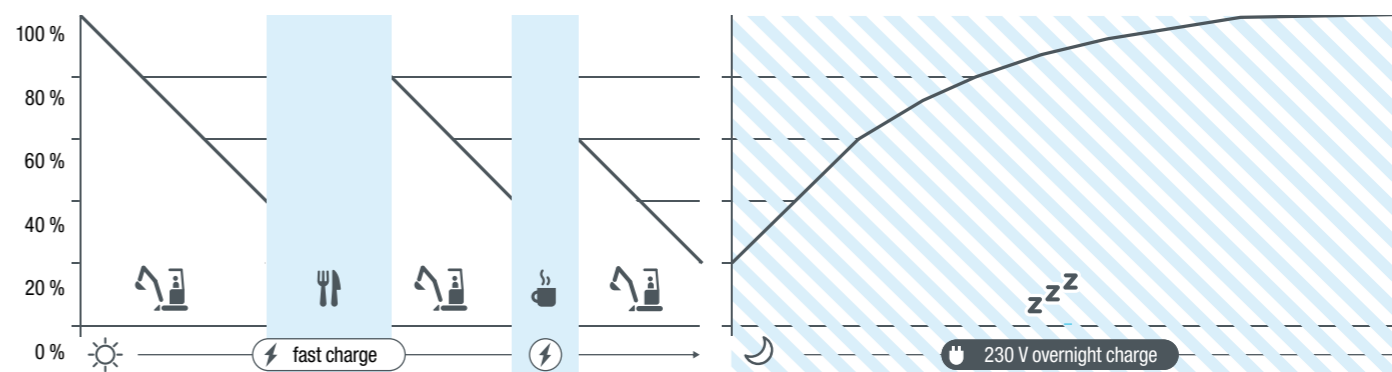
#### Levelling



Grading bucket



### CHARGING STRATEGY



# SPECIFICATIONS

## Weights

Operating mass with standard bucket (ISO 6016)	1201 kg
Transport mass (no attachment)	1102 kg
Ground pressure	28.8 kPa

## Engine

Make / Model	Schabmueller / Electric AM (TSA200)
Maximum power (SAE J1995)	7.5 kW (10.1 HP)
Maximum torque (SAE J1995)	30.0 Nm
Cooling system	Passive circulation
Voltage	32V alternating current

## Powertrain Battery

Model	Li-Ion
Voltage	48 V
Capacity	12.7 kWh

## Performance

Digging force, arm (ISO 6015)	5550 N
Digging force, bucket (ISO 6015)	8294 N
Drawbar pull	9905 N
Travel speed (low)	1.8 km/h
Travel speed (high)	2.9 km/h

## Hydraulic System

Pump type	Triple gear pump
Pump capacity	25.0 L/min
Auxiliary flow	20.0 L/min
Auxiliary relief	190.0 bar

## Fluid System

Hydraulic reservoir	2.6 L
Hydraulic system	9.4 L

## Environmental

Noise Level LpA(EU Directive 2006/42/EC)	72 dB(A)
Noise Level LWA(EU Directive 2006/42/EC)	85 dB(A)

## Swing System

Boom swing (left)	67.0°
Boom swing (right)	64.0°
Swing speed	10.2 RPM

## Standard Features

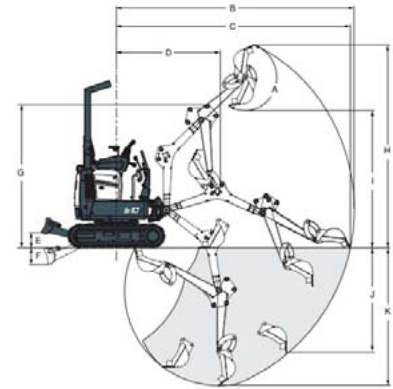
TOPS canopy <sup>1</sup>	Retractable seat belt
Manually extendable dozer blade from 710 to 1100 mm	Vinyl seat
180 mm rubber tracks	Two-speed travel
Double acting auxiliary hydraulics with quick couplers	Hydraulically expandable undercarriage from 710 to 1100 mm
Control console locks	Work LED lights
On-board Charger	Key ignition
Horn	Travel motion alarm
Lithium-ion batteries	

1. Tip Over Protective Structure (TOPS) – Meets requirements of ISO 12117

## Options

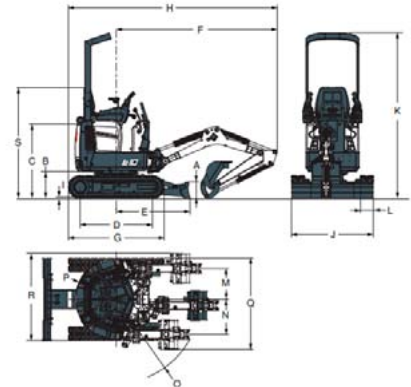
Demolition package	Grease gun set
Super charger unit 400V	

## Working Range



(A)	196.0°	(G)	1899.0 mm
(B)	3145.0 mm	(H)	2685.0 mm
(C)	3093.0 mm	(I)	1818.0 mm
(D)	1374.0 mm	(J)	1383.0 mm
(E)	196.0 mm	(K)	1820.0 mm
(F)	230.0 mm		

## Dimensions



(A)	220.0 mm	(J*)	710.0~1100.0 mm
(B)	363.0 mm	(K)	2209.0 mm
(C)	992.0 mm	(L)	180.0 mm
(D)	968.0 mm	(M)	413.0 mm
(E)	987.0 mm	(N)	471.0 mm
(F)	2153.0 mm	(O)	1121.0 mm
(G)	1280.0 mm	(P)	550.0 mm
(H)	2793.0 mm	(Q)	1221.0 mm
(I)	16.0 mm	(R)	1163.0 mm

\* Retractable track

**DOOSAN**

**Bobcat is a Doosan Company.**

Doosan is a global leader in construction equipment, power & water solutions, engines, and engineering proudly serving customers and communities for more than a century. | Bobcat and the Bobcat logo are registered trademarks of Bobcat Company in the United States and various other countries.  
©2021 Bobcat Company. All Rights Reserved.



**Bobcat**®

[www.bobcat.com](http://www.bobcat.com)

Certain specification(s) are based on engineering calculations and are not actual measurements. Specification(s) are provided for comparison purposes only and are subject to change without notice. Specification(s) for your individual Bobcat equipment will vary based on normal variations in design, manufacturing, operating conditions, and other factors. Pictures of Bobcat units may show other than standard equipment.

