

TB20e

electric power

2125/1930KG



COMPACT ELECTRIC EXCAVATOR



100% BATTERY POWERED

3-YEAR / 3,000 HOUR
WARRANTY AS STANDARD*

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NEW ELECTRIC compact excavator

The TB20e is the latest innovation in the Takeuchi excavator line-up. A fully electric machine, and the first Takeuchi excavator to feature electro-hydraulic controls. Built with the same all steel construction, heavy duty boom and retractable under carriage, matching the performance of its diesel TB216 equivalent.

The TB20e is ideal for applications in noise sensitive areas such as schools or hospitals, operating at 80dB and 15% quieter than a diesel excavator. This environmentally friendly option offers a more sustainable choice.



980mm \longleftrightarrow 1300mm
Expanding undercarriage



Now available - Cab and Canopy

The NEW Takeuchi TB20e now available in cab and canopy designed for low emission zones for carbon free excavating. Engineered for maximum power performance, with robust machine durability delivering exceptional operator comfort.

< POWER PERFORMANCE

Delivers 100% battery power with 4-8 hours operating

ALL STEEL > HEAVY DUTY PROTECTION

In every part of the machine

< TOTAL RELIABILITY

Precision engineering from Japanese craftsmanship – Built to last

< ALL-ROUND VISIBILITY

For safe
on-site
working



100% ELECTRIC

ZERO EMISSIONS



PRODUCT FEATURES & SPECIFICATIONS

OPERATOR STATION

- 4.3" high definition, multifunction colour display
- Suspension seat
- Retractable seat belt
- Front and rear wiper/washer (Cab only)
- Radio with Bluetooth (Cab only)
- Retractable windscreen with sun visor (Cab only)
- Elec fan heater / de-mister (Cab only)
- Foldable travel pedals
- Boom swing pedal, with foldable footrest
- Emergency stop switch
- Safe start system (left console)
- ISO/SAE pattern change valve via monitor
- ROPS/TOPS/OPG (Level 1)

ZERO EMISSION ELECTRIC POWER

- 24.7 kWh lithium-Ion battery
- 100% battery powered with zero emissions
- Reduced sound and vibration levels
- ECO mode

CHARGING

- On-board charger - charge static
- On-board charger - charge whilst operating

Optional Fast Charger

- Off-board Fast charger - reducing charge time to 2-4 hours

ELECTRICAL

- Rocker switches
- Full LED light package
- Travel alarm
- 12V battery disconnect switch
- Hour meter/trip meter
- 12V power outlet
- TFM (Takeuchi Fleet Management)

ELECTRO - HYDRAULIC

- 2 electric motors
- Load sensing system for operation
- Electro-hydraulic joysticks
- Autotank
- 1st, 2nd and 3rd auxiliary as standard plumbed to mid-arm
- Proportional control with 1st and 2nd aux circuits
- Detent for 1st auxiliary circuit
- Adjustable hydraulic flow on first auxiliary
- Cushioned boom and swing cylinders
- Top mount boom cylinder
- Boom and arm holding check valves
- Lift alarm
- Steel hydraulic tank with fluid level sight gauge

UNDERCARRIAGE AND FRAME

- Triple flange track rollers
- Hydraulically retractable undercarriage
- Adjustable width dozer blade
- Two-speed travel with auto step down
- Wraparound protective counterweight
- Rubber tracks 230mm



FREE 5-YEAR
TAKEUCHI FLEET
MANAGEMENT

TFM is a remote **TELEMATICS** system, using real time data to better manage your fleet and lower overall operating costs.



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- 24.7kWh Lithium-Ion battery
- Retractable undercarriage
- Full charge runs 8 hours - 65% load
- Matches the performance of a diesel equivalent (TB216)

THREE CHARGING OPTIONS

- On-board – domestic
- Tethered – when operating
- Optional Off-board – 3 phase fast

8 HOURS OPERATING

The TB20e is 100% battery powered with zero exhaust emissions. With a full charge the 24.7kWh maintenance free lithium-ion battery provides up to 8 hours of operating time at 65% load.

CHARGING OPTIONS

The TB20e features as standard an on-board charger, 95V to 265V single-phase

- On-board charger - charge static
- On-board charger - charge whilst operating

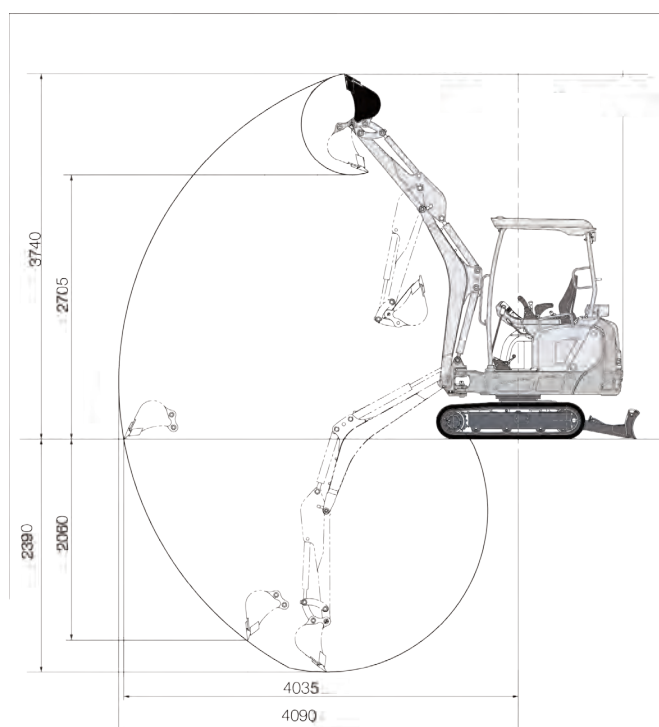
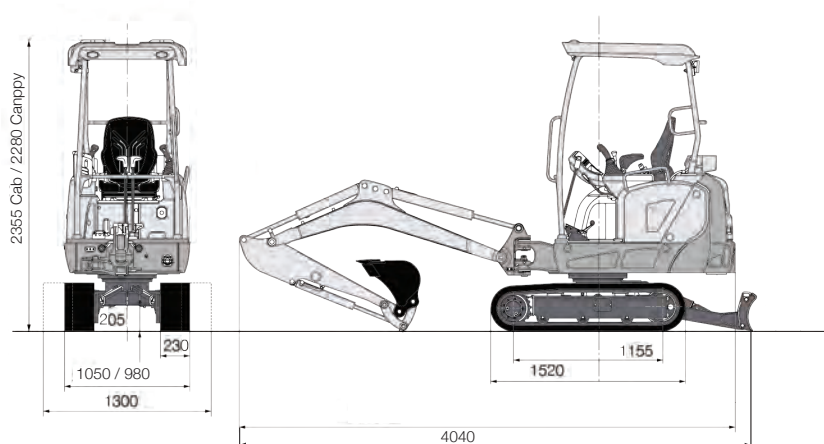
Optional off-board Fast Charger, 408V to 552V

- 3-phase Fast Charge

The optional off-board Fast Charger is available for fast 3-phase charging. Easy to transport with a simple hook-on to the dozer blade. (See back page for charging times).



TB20e COMPACT ELECTRIC EXCAVATOR



All dimensions unless otherwise stated are in millimetres.

**FULL
3-YEAR
3,000 HOUR*
WARRANTY**

Takeuchi machines come with a full 3 year/3000 hours warranty as standard, terms and conditions apply* see website.

Before fitment of a hydraulic attachment, machine auxiliary pressure and flow should be accurately measured. For all lifting specifications please refer to the lift charts on the Takeuchi website or operator manual.

In accordance with our established policy of constant improvement, we reserve the right to amend these specifications at any time without notice. Photographs shown may feature non-standard equipment.

TB20e Standard UK Specification Cab / Canopy -
Long Arm / Rubber Tracks / Blade

Lithium Ion Battery	
Battery Capacity (kWh)	24.7
Battery Voltage (V)	73
WORKING TIME	
Continuous Working Time @ 65% Load	Up to 8 Hours
BATTERY CHARGE HOURS	
Off-Board Charger @ 340 - 460V	Approx. 2 hours
On-Board Charger @ 95 - 265V	Approx. 6 hours
BATTERY CHARGE HOURS	
Off-Board Charger @ 340 - 460V	Approx. 4 hours
On-Board Charger @ 95 - 265V	Approx. 10 hours
Lead-Acid Battery	
Battery Capacity (IEC 60095-1)	12V-45A-h
Dimensions & Weight	
Operating Weight (kg)	2125 / 1930
Fast Charger Weight (kg)	71
Width - with extended tracks (mm)	1050 / 980 - 1300
Length (mm) (overall)	4040
Length (mm) (transport)	3880
Height (mm)	2355 / 2280
Ground Clearance (mm)	205
Min. Radius at Max Offset (mm)	1480
Tail Swing Radius (mm)	1075
Operating Information	
Max. Dig Depth (mm)	2390
Max. Dump Height (mm)	2705
Max. Ground Reach (mm)	4035
Max. Vertical Dig Depth (mm)	2060
Max. Bucket Digging Force (kN)	13.7
Max. Arm Digging Force (kN)	8.1
Travel Speed 1st (km/h)	2.1
2nd (km/h)	4.0
Slew Speed (rpm)	7.6
Boom Swing Angle (Left/Right)	78°/49°
Gradeability	15°
Ground Pressure (kPa)	35.5 / 32.1
Traction Force (kN)	20.7
Hydraulic System	
System Pressure (bar)	206
Pump Type	2 x Gear
1st Auxiliary Maximum Flow (l/min) / Pressure (bar)	34/180
2nd Auxiliary Maximum Flow (l/min) / Pressure (bar)	11/210
3rd Auxiliary	
Low Pressure - for engage (bar)	34
High Pressure - for release (bar)	215
Hydraulic Breaker	
TKB72 (working weight kg)	105
TKB72-S (working weight kg)	135
Safety and Health	
Noise / Sound Power Level (LwA)	80dB
Vibration Hand Arm / Body (m/sec²)	≤2.5 / ≤0.

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For more information locally contact:



SCAN ME

To find your
local dealer

Takeuchi Mfg (UK) Ltd, Unit E2B Kingsway Business Park,
John Boyd Dunlop Drive, Rochdale, Lancashire OL16 4NG
info@takeuchi-mfg.co.uk www.takeuchi-mfg.co.uk

@TakeuchiUK

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