



FB2000

2 Tonne Load Carrier

48 volt AC controller

Cabbed & Un-cabbed

4 Wheels

BRADSHAW
ELECTRIC • VEHICLES

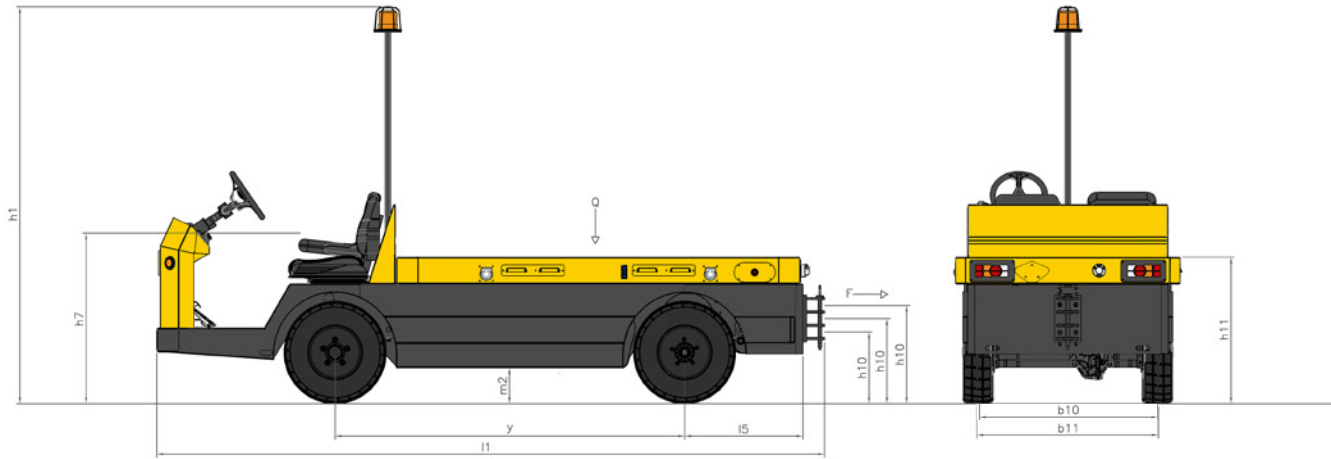
STANDARD EQUIPMENT & OPTIONS

	MODEL	FB2000
VEHICLE OVERVIEW	Configuration	4 wheel
	Power unit: 48 volt AC controller	•
	Payload capacity	2000kg
	Tow load capacity	4000kg
	Power steering	•
	Suspension front and rear	•
	Welded steel chassis, painted	•
	Rear drive axle with limited slip differential	•
Standard ambient operating temperatures -10 to +40	•	
BATTERIES & ACCESSORIES	48v 480Ah lead acid (24 x 6PzS480)	○
	48v 420Ah gel maintenance free (24 x 6PzV420)	○
	Battery fill system (BFS) and low electrolyte level indicator (Blinky)	○
	Battery auto filler - option 1. Pressurised topping bottle with manual pump	○
	Battery auto filler - option 2. Mobile 12-volt hydrofill battery watering cart with charger	○
BRAKING SYSTEMS	Hydraulic drum brakes to all wheels	•
	Electronic regenerative braking under deceleration	•
	Dynamic speed sensing to prevent over-speeding in all driving conditions	•
	Automatic hill hold. Controller holds vehicle on incline without driver input	•
	Automatically applied transmission parking brake	•
	Hydraulic trailer braking system includes single quick release hydraulic coupling	○
LIGHTING / ACCESSORIES	Lighting includes <ul style="list-style-type: none"> • Twin headlights • Twin side lights • Twin tail and brake lights • Indicators • Hazard warning lights • Twin reverse light • 7 pin trailer socket (Cabbed option includes high level rear lighting)	•
	Amber flashing beacon mounted on pole or cab	•
	Blue spot warning light - front only	○
	Blue spot warning light - front & rear	○
	Rear mounted 12 volt working light	○
CONTROLS / AUDIBLE WARNINGS	Maximum speed can be pre-set between 8-20kph (Please specify speed setting at time of order)	•
	High / Low speed switch on dashboard (Please specify speed settings at time of order)	○
	Safety seat cut out, (OPS). Vehicle will not operate unless driver is seated	•
	Emergency stop button	•
	Horn	•
	Automatic audible warning in reverse	•
Automatic white noise audible warning in forward	○	
INSTRUMENTS	Battery discharge indicator	•
	Dash mounted lamp to indicate when park brake is applied	•
	Digital speedometer	•
	Hour meter	•
	Keypad in place of standard key switch	○
Dash mounted 12 volt charging socket	○	
TYRES	6.50 x 10 (PPS) pneumatic profiled soft solid puncture proof	•
	6.50 x 10 Pneumatic	○
	6.50 x 10 (PPS) pneumatic profiled soft solid puncture proof non marking	○

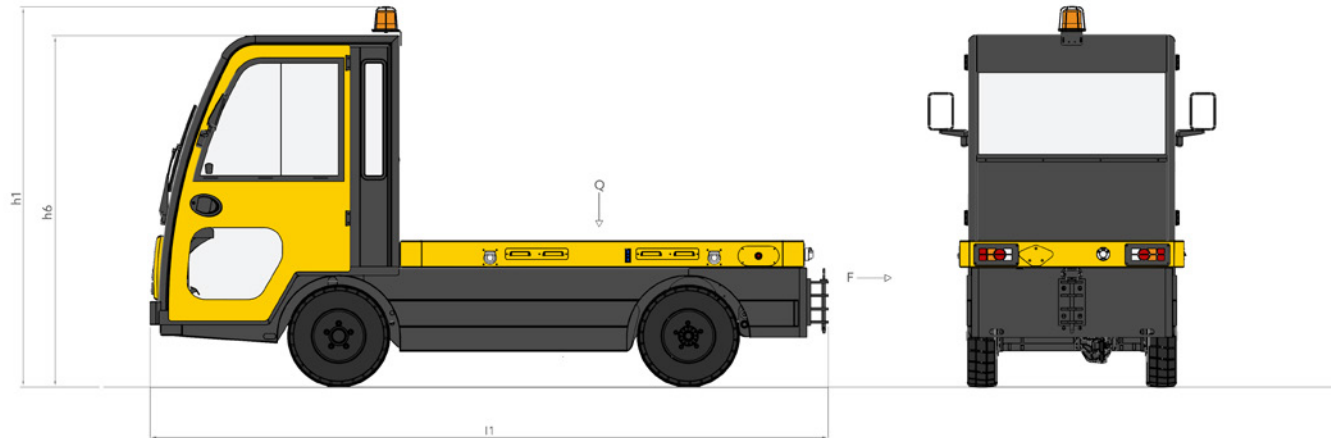
	MODEL	FB2000
TOW HITCH	No tow hitch fitted	○
	20mm pin multi jaw tow hitch	●
	25mm pin multi jaw tow hitch	○
	40mm pin multi jaw tow hitch	○
	Combined 50mm ball and 25mm single jaw	○
	Rockinger autolock which can be released by lever beside driver's seat	○
	Rockinger hitch only	○
	50mm ball tow hitch	○
	50mm ball adapter fits in any one of the three jaws on the standard tow hitch	○
	Front two jaw 20mm pin tow hitch	○
	Front two jaw 40mm pin tow hitch	○
	Tow hitch specific for site requirement	○
	Inching buttons on rear near side of vehicle	○
CAB	Left hand drive	●
	Un-cabbed	○
	Steel cab no doors	○
	Steel cab PVC roll up weather proof doors	○
	Steel cab lockable slam metal doors	○
	Steel single seat half cab nearside lockable slam metal door	○
	Right hand drive option	○
	Front wiper (cab option only)	●
	Rear wiper (cab option only)	○
	Screen wash system for front screen only (cab option only)	○
	Screen wash system for front and rear screen, must be ordered with rear wiper (cab option only)	○
	Electric heater with 3 directional nozzles and 3 speed blower (available on FB2004 only)	○
Rear mounted camera with display screen	○	
SEATING	Single semi-suspension driver's seat and fixed passenger seat	●
	Upgraded to full suspension vinyl drivers seat with arm rests	○
	Upgraded to cloth drivers seat with arm rests	○
	Twin inertia lap seat belts	○
	Twin high visibility inertia lap seat belts (interlock fitted to drivers seat only)	○
MIRRORS	Interior mirrors (cab option only)	●
	Exterior mirrors (cab option only)	●
	Exterior mirrors (un-cabbed only)	○
	Large extendible exterior mirrors	○
	Interior fish eye mirror (cab option only)	○
LOAD BED	Non slip resin coated plywood	●
	Two lashing rings per side	●
	Extended or reduced load bed options available	○
	Pick-up - aluminium sides	○
	Cage body	○
	Pick-up - aluminium sides with PVC cover	○
	Box Van	○
	Removable aluminium platform overlay	○
Overlay to extend base platform dimensions to 2450mm long x 1400mm wide	○	
MISC	1kg dry powder fire extinguisher	○
	Category L registered for road. Allows the use of only the vehicle on public highway and does not cover the use of a trailer or trailed load	○
COLOUR	Chassis: Black	●
	Panels: Safety Yellow BS356	●
	Custom colour. Chassis black. Panels to customer's single colour specification. RAL number to be supplied at time of order	○
	Custom colour. Chassis black. Panels and cab doors to customer's single colour specification. (FB2004 only)	○

TECHNICAL SPECIFICATIONS

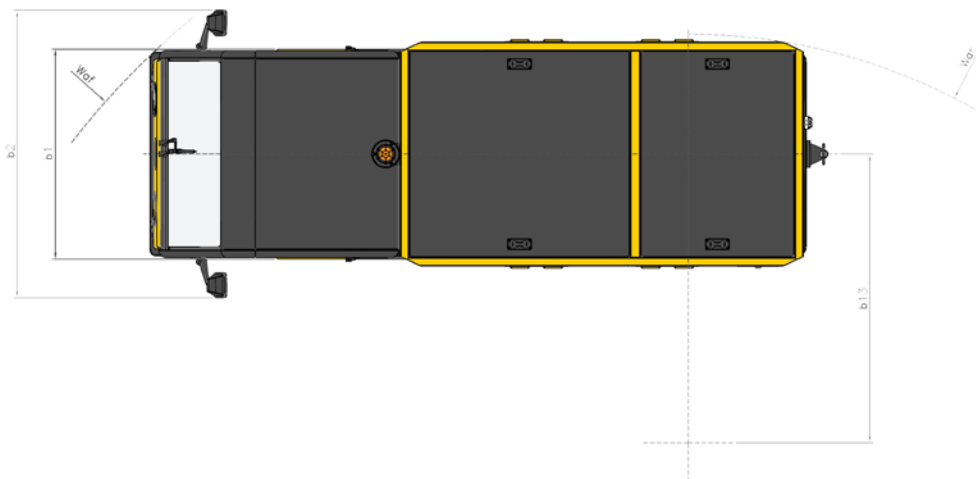
FB2001-01 - UN-CABBED LOAD CARRIER - PLATFORM BODY



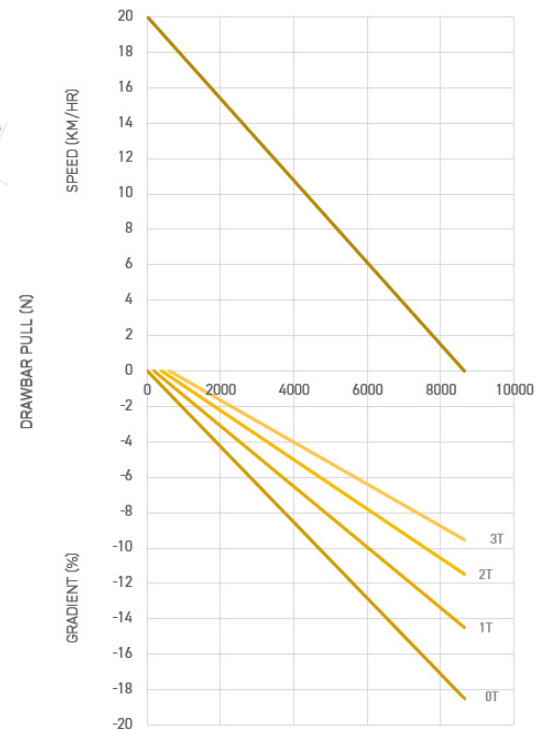
FB2004-01 - CABBED LOAD CARRIER - PLATFORM BODY



TURNING CIRCLE



PERFORMANCE CHART



TECHNICAL DATA

VDI 2198	TECHNICAL FEATURES		FB2001-01	FB2004-01
DISTINGUISHING MARK	1.1	Manufacturer (abbreviation)	BEV	BEV
	1.2	Manufacturer's type designation	FB2001-01	FB2004-01
	1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas	Battery	Battery
	1.4	Operator type: hand, pedestrian, standing, seated	Seated	Seated
	1.5	Rated capacity tow / load ⁽¹⁾	Q (t)	2 / 3 ⁽¹⁾
	1.7	Rated drawbar pull ⁽²⁾	F (N)	1200 ⁽²⁾
	1.9	Wheelbase	y (mm)	1950
WHEELS / TYRES	3.1	Tyres: P=Pneumatic	P	P
	3.2	Tyre size, front	ø x width (mm)	570 x 160
	3.3	Tyre size, rear	ø x width (mm)	570 x 160
	3.5	Wheels, number front / rear (x = driven wheels)		2 / 2X
	3.6	Tread, front	b 10 (mm)	990
	3.7	Tread, rear	b 11 (mm)	1013
	3.9	Wheels braked service brake, number		4
	3.10	Wheels braked parking brake		2 x Rear
DIMENSIONS	4.2.1	Overall height	h 1 (mm)	2209
	4.7	Height of overhead cab	h 6 (mm)	-
	4.8	Seat height relating to SIP / stand height	h 7 (mm)	950
	4.12	Coupling height	h 10 (mm)	399 / 473 / 547
	4.13	Loading height, unladen	h 11 (mm)	816
	4.16	Length of loading surface	l 3 (mm)	2250
	4.17	Overhang	l 5 (mm)	660
	4.18	Width of loading surface	b 9 (mm)	1250
	4.19	Overall length	l 1 (mm)	3725
	4.21	Overall width	b 1 / b 2 (mm)	1170 / 1250
	4.32	Ground clearance, centre of wheelbase	m 2 (mm)	200
	4.34	Aisle width predetermined load dimensions	A st (mm)	7712
	4.35	Turning radius	W a F (mm)	4244
	4.35	Turning radius	W a R (mm)	3268
4.36	Internal turning radius	b 13 (mm)	2600	
PERFORMANCE	5.1	Travel speed, laden / unladen	km/h	8 / 20
	5.1.1	Travel speed, laden / unladen, backwards	km/h	5
	5.5	Drawbar pull, laden / unladen	N	2400
	5.6	Max drawbar pull, laden / unladen	N	6500
	5.8	Max. gradeability, laden / unladen	%	5 / 25
	5.10	Service brake		Hydraulic
DRIVE	8.1	Type of drive unit		Solid axle with intergral A/C motor and differential
	8.10	Transfer of power		Electric
	8.11	Service brake		Hydraulic drums
	8.12	Parking brake		Electric
MISC	10.7	Sound pressure level at the driver's seat	dB (A)	55.3

BATTERY SIZE & VEHICLE WEIGHTS			FB2001-01 UN-CABBED		FB2004-01 CABBED	
BATTERY		Battery type	Lead	Gel MF	Lead	Gel MF
	6.1	Drive motor S2 60 minute rating (kW)	7.0	7.0	7.0	7.0
	6.4	Battery voltage (V/Ah)	48 / 480	48 / 420	48 / 480	48 / 420
	6.5	Battery weight (kg)	755	774	755	774
WEIGHTS	2.1.1	Service weight excluding battery (kg)	1195	1195	1425	1425
	2.1.0	Service weight including battery (kg)	1950	1969	2180	2199
	2.3	Axle loading, unladen front / rear (kg)	778 / 1172	790 / 1179	1008 / 1172	1020 / 1179

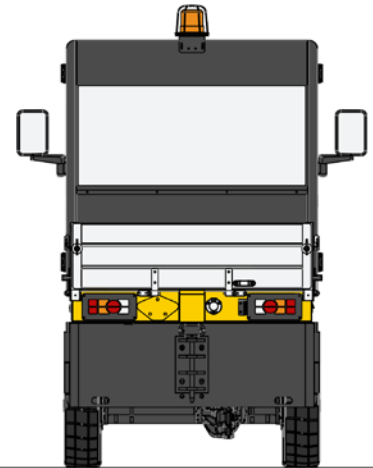
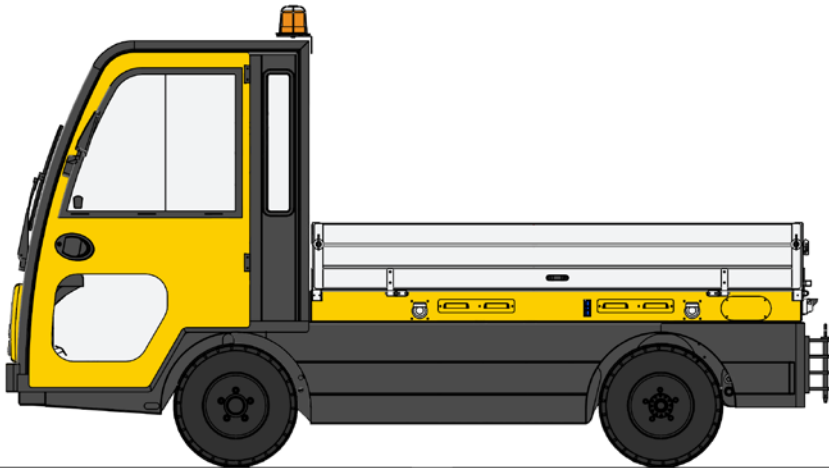
NOTE
 These values may vary +/- 5%. ⁽¹⁾It is our recommendation that braked trailers are used for trailer loads exceeding 800kg on level ground and for all trailer loads when operating on a gradient. Performance is affected by both the condition of the vehicle and towed equipment, as well as the surface and weather conditions within the operating area. ⁽²⁾Based on 200N/tonne rolling resistance on a level dry surface.

BODY OPTIONS / DIMENSIONS

ALUMINIUM PICK-UP

- Aluminium dropdown sides and rear tailgate
- Resin coated anti-slip plywood deck
- Four side flush lashing points fitted to body

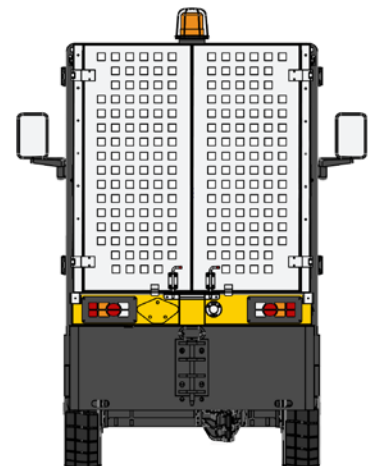
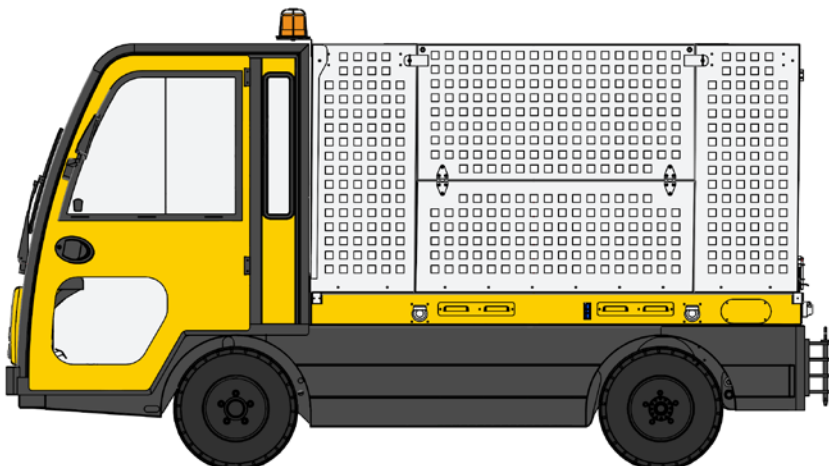
BODY CODE	-02	
BODY WEIGHT	70 kg	
DIMENSIONS	Length (Internal)	2173 mm
	Width (Internal)	1036 mm
	Height	300 mm
	Platform Height	816 mm
MODEL CODE	Un-cabbed	FB2001-02
	Cab No Doors	FB2002-02
	Cab PVC Doors	FB2003-02
	Cab Slam Doors	FB2004-02



CAGE BODY

- Steel 25mm mesh cage body
- Twin rear opening doors
- Half drop down top section to both sides
- Resin coated anti-slip plywood deck
- Four side flush lashing points fitted to body

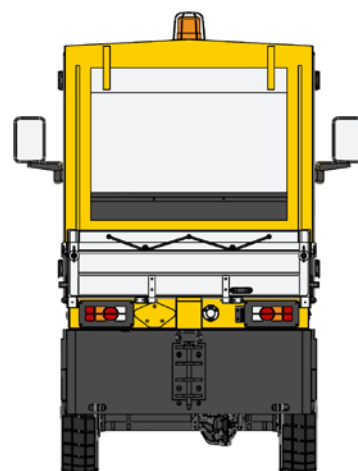
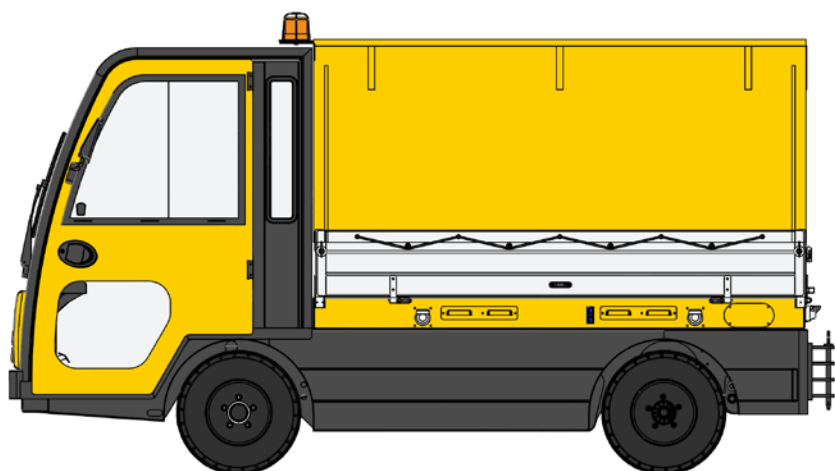
BODY CODE	-03	
BODY WEIGHT	130 kg	
DIMENSIONS	Length (Internal)	2148 mm
	Width (Internal)	998 mm
	Height	1143 mm
	Platform Height	816 mm
MODEL CODE	Un-cabbed	FB2001-03
	Cab No Doors	FB2002-03
	Cab PVC Doors	FB2003-03
	Cab Slam Doors	FB2004-03



ALUMINIUM PICK-UP PVC COVER

- PVC cover to all four sides, roll up sides and rear panel
- Clear sections to front and rear panels to allow through vision
- Aluminium drop down sides and rear tailgate
- Resin coated anti-slip plywood deck
- Four side flush lashing points fitted to body

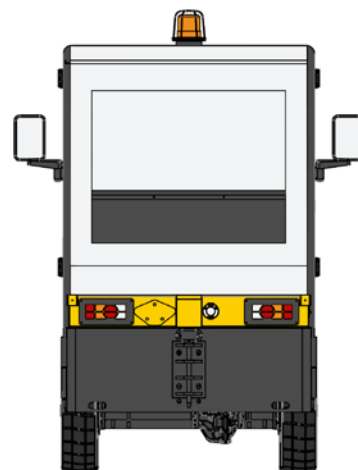
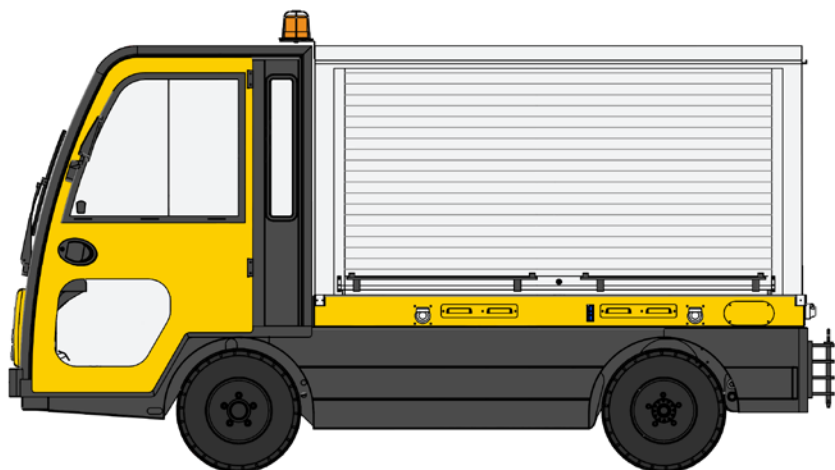
BODY CODE	-05	
BODY WEIGHT	110 kg	
DIMENSIONS	Length (Internal)	2173 mm
	Width (Internal)	1036 mm
	Height	1180 mm
	Platform Height	816 mm
MODEL CODE	Un-cabbed	FB2001-05
	Cab No Doors	FB2002-05
	Cab PVC Doors	FB2003-05
	Cab Slam Doors	FB2004-05



ALUMINIUM BOX VAN

- 2.77m³ box van
- Resin coated anti-slip plywood deck
- Lockable shutter door
- Clear rear section to allow through vision
- Four side flush lashing points fitted to body

BODY CODE	-06	
BODY WEIGHT	150 kg	
DIMENSIONS	Length (Internal)	2233 mm
	Width (Internal)	1088 mm
	Height	1142 mm
	Platform Height	816 mm
MODEL CODE	Un-cabbed	FB2001-06
	Cab No Doors	FB2002-06
	Cab PVC Doors	FB2003-06
	Cab Slam Doors	FB2004-06





BRADSHAW ELECTRIC VEHICLES

New Lane

Stibbington

Peterborough

PE8 6LW

enquiries@bradshawev.com

www.bradshawEV.com

01780 782 621

All data and specifications are in accordance with information available at the time of publication and are subject to change without notice.

Some of the vehicles shown are may be fitted with optional equipment or accessories that are available at extra cost.

This brochure supersedes all previous publications.
Issue: July 2020

BRADSHAW
ELECTRIC • VEHICLES