



FB3000

3 Tonne Load Carrier

80 volt AC controller

Cabbed & Un-cabbed

4 Wheels

BRADSHAW
ELECTRIC • VEHICLES

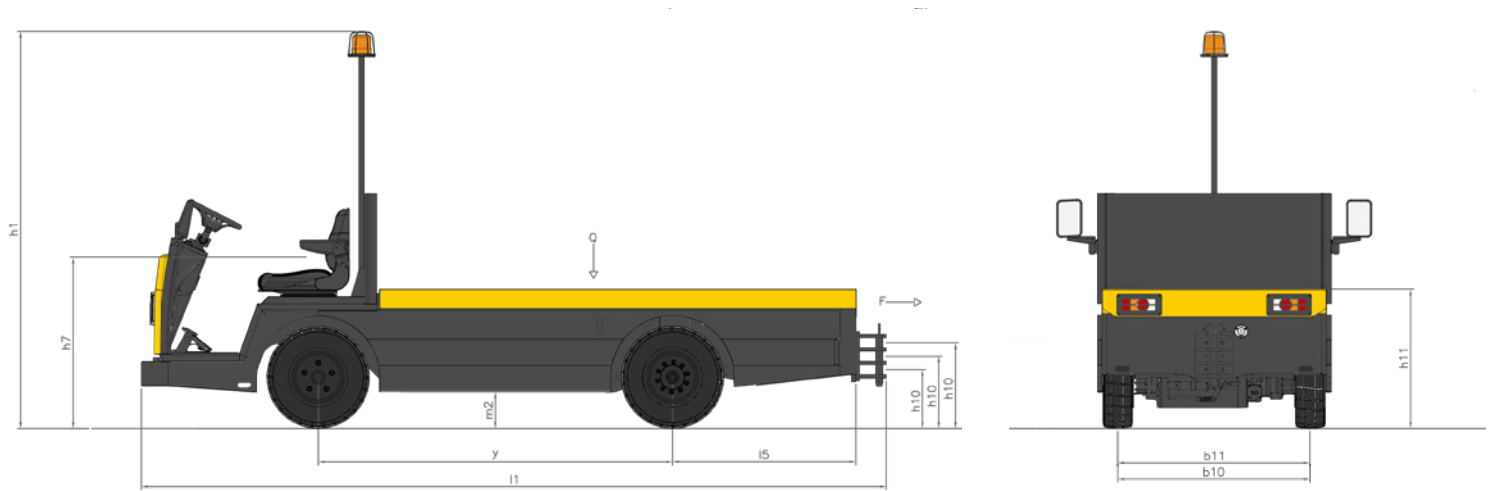
STANDARD EQUIPMENT & OPTIONS

	MODEL	FB3000
VEHICLE OVERVIEW	Configuration	4 wheel
	Power unit: 80 volt AC controller	•
	Payload capacity	3000kg
	Tow load capacity	6000kg
	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	80v 320Ah lead acid (40 x 4PzS320)	○
	80v 360Ah lead acid (40 x 4PzS360)	○
	80v 340Ah gel maintenance free (40 x 4PzV340)	○
	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	Drum brakes to front wheels and inboard oil immersed disc brakes to rear 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 <ul style="list-style-type: none"> • 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 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	○

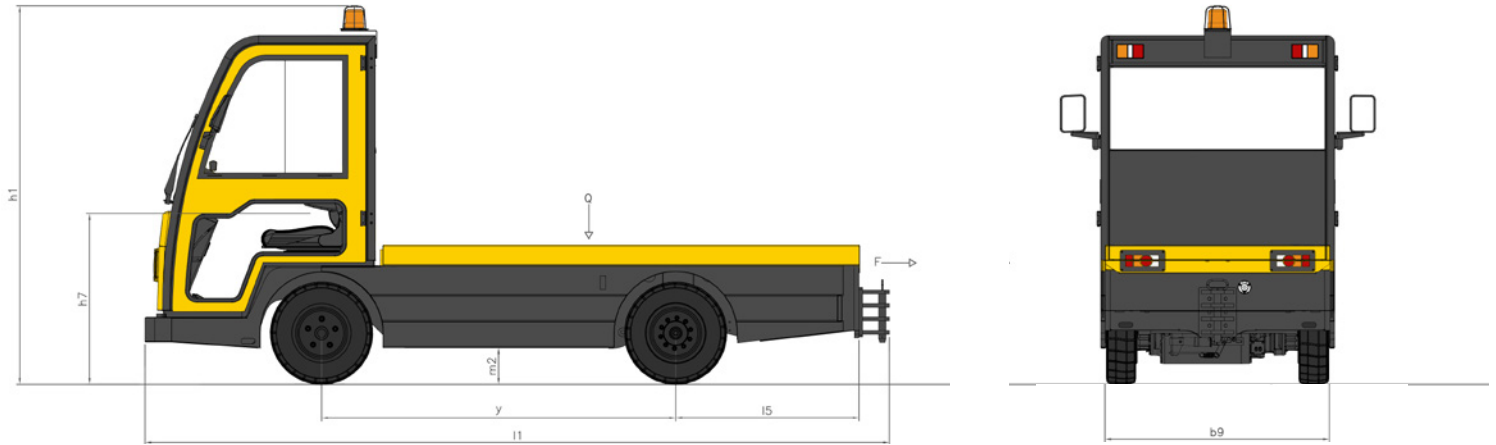
	MODEL	FB3000
TOW HITCH	No tow hitch fitted	○
	20mm pin multi jaw tow hitch	●
	25mm pin multi jaw tow hitch	○
	40mm pin multi jaw tow hitch	○
	Combined 50mm ball and 25mm single jaw	○
	Rockinger autolock which can be released by lever beside driver's seat	○
	Rockinger hitch only	○
	50mm ball tow hitch	○
	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 FB3004 only)	○
Rear mounted camera with display screen	○	
SEATING	Semi-suspension driver and 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	○
	Fixed body, solid roof, front and rear bulkheads. Yellow PVC sliding curtains to both sides.	○
	Box Van	○
Removable aluminium platform overlay	○	
MISC	1kg dry powder fire extinguisher	○
	Category L registered for road. Category L classification allows the use of only the vehicle on public highway and does not cover the use of any trailer or trialled 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. RAL number to be supplied at time of order. (FB3004 only)	○

TECHNICAL SPECIFICATIONS

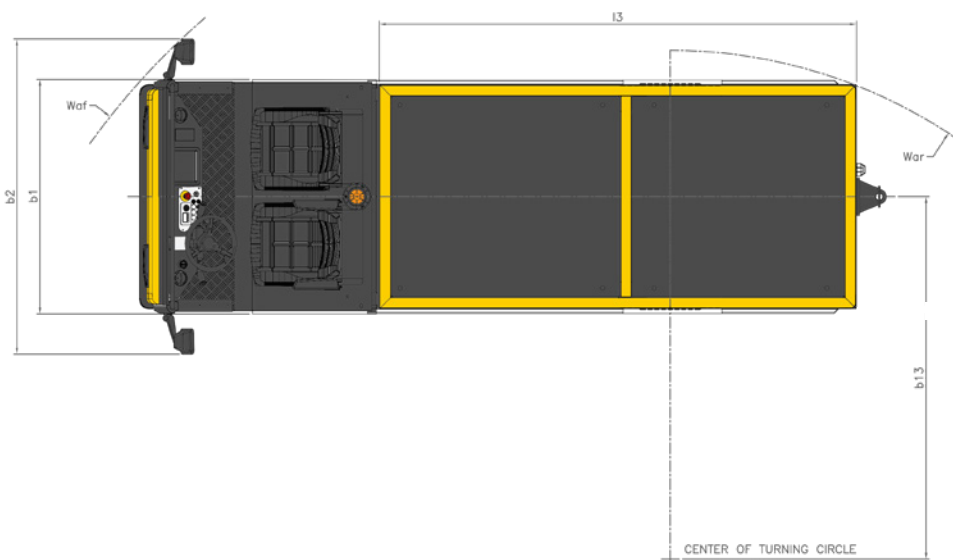
FB3001-01 - UN-CABBED LOAD CARRIER



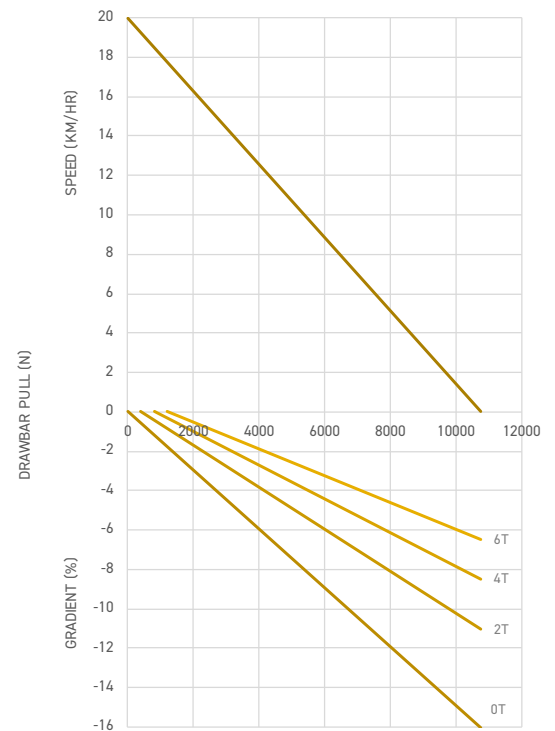
FB3004-01 - CABBED LOAD CARRIER



TURNING CIRCLE



PERFORMANCE CHART



TECHNICAL DATA

VDI 2198	TECHNICAL FEATURES		FB3001-01	FB3004-01
DISTINGUISHING MARK	1.1	Manufacturer (abbreviation)	BEV	BEV
	1.2	Manufacturer's type designation	FB3001-01	FB3004-01
	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 loadbed capacity / Rated towing load ⁽¹⁾	Q (t)	3.0 / 6.0
	1.7	Rated drawbar pull ⁽²⁾	F (N)	2400
	1.9	Wheelbase	y (mm)	1975
WHEELS / TYRES	3.1	Tyres: P=Pneumatic	P	P
	3.2	Tyre size, front	ø x width (mm)	566 x 153
	3.3	Tyre size, rear	ø x width (mm)	566 x 153
	3.5	Wheels, number front / rear (x = driven wheels)		2 / 2X
	3.6	Tread, front	b 10 (mm)	1070
	3.7	Tread, rear	b 11 (mm)	1070
	3.9	Wheels braked service brake, number		4 x All
	3.10	Wheels braked parking brake		2 x Rear
DIMENSIONS	4.2.1	Overall height	h 1 (mm)	2210
	4.7	Height of overhead guard (cabin)	h 6 (mm)	-
	4.8	Seat height relating to SIP / stand height	h 7 (mm)	953
	4.12	Coupling height	h 10 (mm)	328 / 402 / 476
	4.13	Loading height, unladen	h 11 (mm)	775
	4.16	Length of loading surface	l 3 (mm)	2660
	4.17	Overhang	l 5 (mm)	1023
	4.18	Width of loading surface	b 9 (mm)	1250
	4.19	Overall length	l 1 (mm)	4102
	4.21	Overall width (across chassis / across all)	b 1 / b 2 (mm)	1300 / 1756
	4.32	Ground clearance, centre of wheelbase	m 2 (mm)	203
	4.34	Aisle width predetermined load dimensions	A st (mm)	7025*
	4.35	Turning radius	W a F (mm)	3990
	4.35	Turning radius	W a R (mm)	2835
4.36	Internal turning radius	b 13 (mm)	2020	
PERFORMANCE	5.1	Travel speed	km/h	20
	5.1.1	Travel speed, laden / unladen, backwards	km/h	4 / 10
	5.5	Drawbar pull, laden / unladen	N	4800
	5.6	Max drawbar pull, laden / unladen	N	12500
	5.8	Max. gradeability, laden / unladen	%	5 / 25
	5.10	Service brake		Hydraulic
DRIVE	8.1	Type of drive unit		A/C motor
	8.10	Transfer of power		Electric
	8.11	Service brake		Hydraulic drum
	8.12	Parking brake		Electric
MISC	10.7	Sound pressure level at the driver's seat	dB (A)	54.7

BATTERY SIZE & VEHICLE WEIGHTS			FB3001-01 UN-CABBED			FB3004-01 CABBED		
BATTERY		Battery type	Lead	Lead	Gel	Lead	Lead	Gel
	6.1	Drive motor S2 60 minute rating (kW)	20	20	20	20	20	20
	6.4	Battery voltage (V/Ah)	80 / 320	80 / 360	80 / 340	80 / 320	80 / 360	80 / 340
	6.5	Battery weight (kg)	910	1058	1102	910	1058	1102
WEIGHTS	2.1.1	Service weight excluding battery (kg)	1832	1832	1832	1970	1970	1970
	2.1.0	Service weight including battery (kg)	2742	2890	2934	2880	3028	3072
	2.3	Axle loading, unladen front / rear (kg)	1234 / 1508	1301 / 1589	1320 / 1614	1384 / 1496	1451 / 1577	1470 / 1602

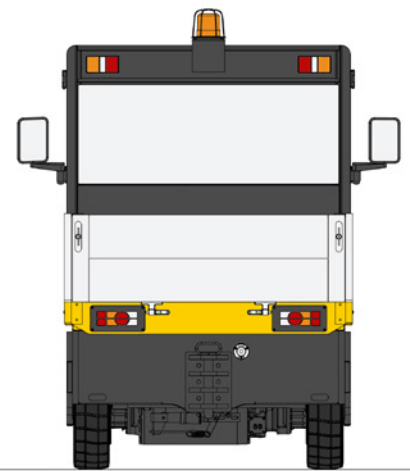
NOTE
 These values may vary +/- 5%. ⁽¹⁾ It is our recommendation that braked trailers are used for trailer loads exceeding 500kg on level ground and for all trailer loads when operating on a gradient. Performance is affected by both the condition of the vehicle and towed equipment, as well as the surface 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 drop down sides and rear tailgate
- Resin coated anti-slip plywood deck
- Four side flush lashing points fitted to body

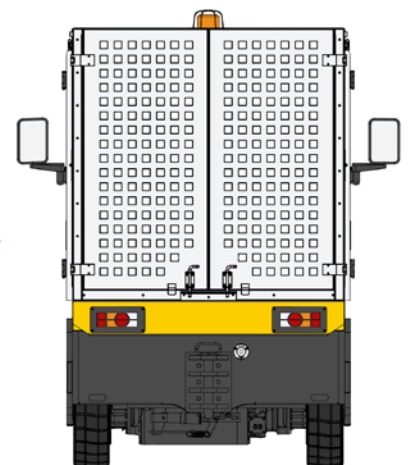
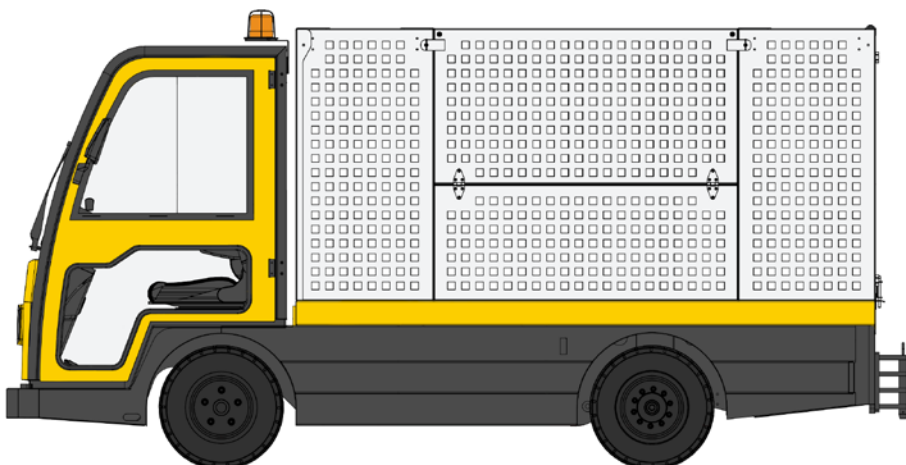
BODY CODE	-02	
BODY WEIGHT	70 kg	
DIMENSIONS	Length	2642 mm
	Width	1250 mm
	Platform Height	775 mm
MODEL CODE	Un-cabbed	FB3001-02
	Cab No Doors	FB3002-02
	Cab PVC Doors	FB3003-02
	Cab Slam Doors	FB3004-02



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)	2560mm
	Width (Internal)	1150 mm
	Platform Height	775 mm
MODEL CODE	Un-cabbed	FB3001-03
	Cab No Doors	FB3002-03
	Cab PVC Doors	FB3003-03
	Cab Slam Doors	FB3004-03



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

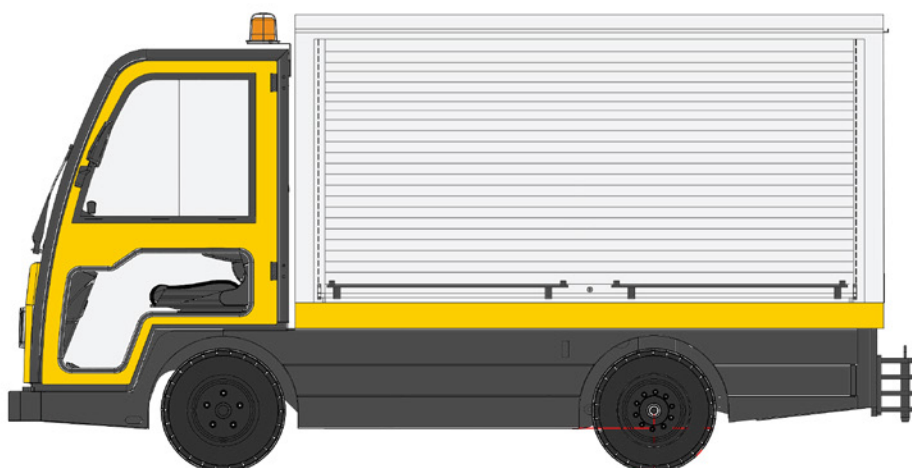
BODY CODE	-05	
BODY WEIGHT	140 kg	
DIMENSIONS	Length (Internal)	2642 mm
	Width (Internal)	1250 mm
	Rear Loading Height	775 mm
MODEL CODE	Un-cabbed	FB3001-05
	Cab No Doors	FB3002-05
	Cab PVC Doors	FB3003-05
	Cab Slam Doors	FB3004-05



BOX VAN

- Aluminium frame, dry freight panels
- Lockable shutter door to nearside only
- Windows in front and rear panel to allow for through vision
- Full black plywood deck board

BODY CODE	-06	
BODY WEIGHT	170 kg	
DIMENSIONS	Length (Internal)	2620 mm
	Width (Internal)	1200 mm
	Platform Height	775 mm
MODEL CODE	Un-cabbed	FB3001-06
	Cab No Doors	FB3002-06
	Cab PVC Doors	FB3003-06
	Cab Slam Doors	FB3004-06





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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

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