



T1200

12 Tonne Tow Tractor

48 volt AC controller

Cabbed & Un-cabbed

4 Wheels

BRADSHAW
ELECTRIC • VEHICLES

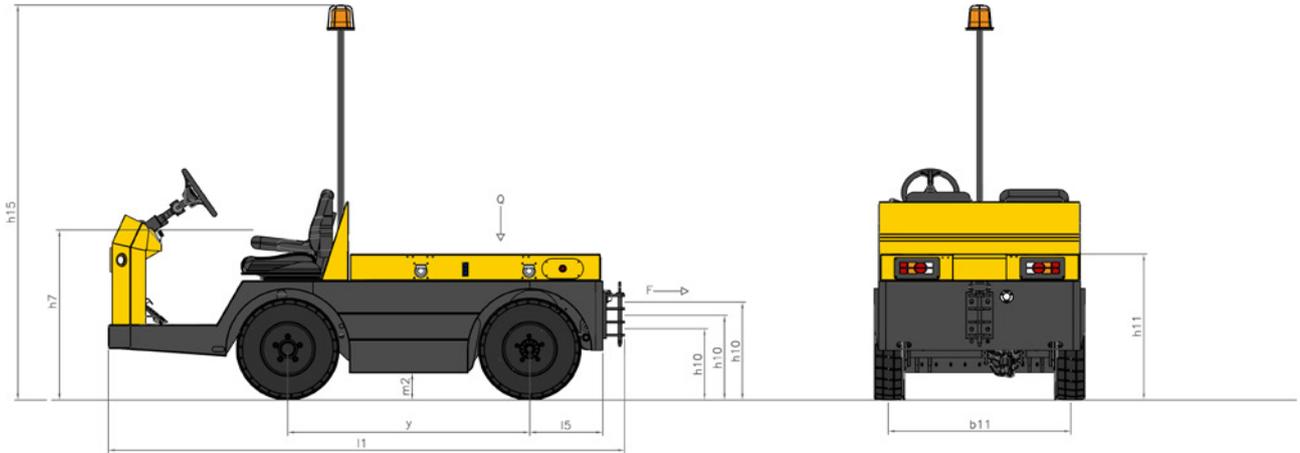
STANDARD EQUIPMENT & OPTIONS

	MODEL	T1200
VEHICLE OVERVIEW	Configuration	4 wheel
	Power unit: 48 volt AC controller	•
	Tow load capacity	12000kg
	Payload capacity	2000kg
	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 360Ah lead acid (24 x 4PzS360)	○
	48v 500Ah lead acid (24 x 4PzS500)	○
	48v 620Ah lead acid (24 x 4PzS620)	○
	48v 440Ah gel maintenance free (24 x 4PzV440)	○
	Chassis conversion to allow for side access battery extraction	○
	Optional rollers fitted to chassis to allow for roll-out side battery extraction	○
	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	○
	Air trailer braking system Includes; Chassis conversion to accept electric motor driven compressor, Air tanks, Air dryer, Twin air couplings and emergency service line	○
	Lighting includes: 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	○

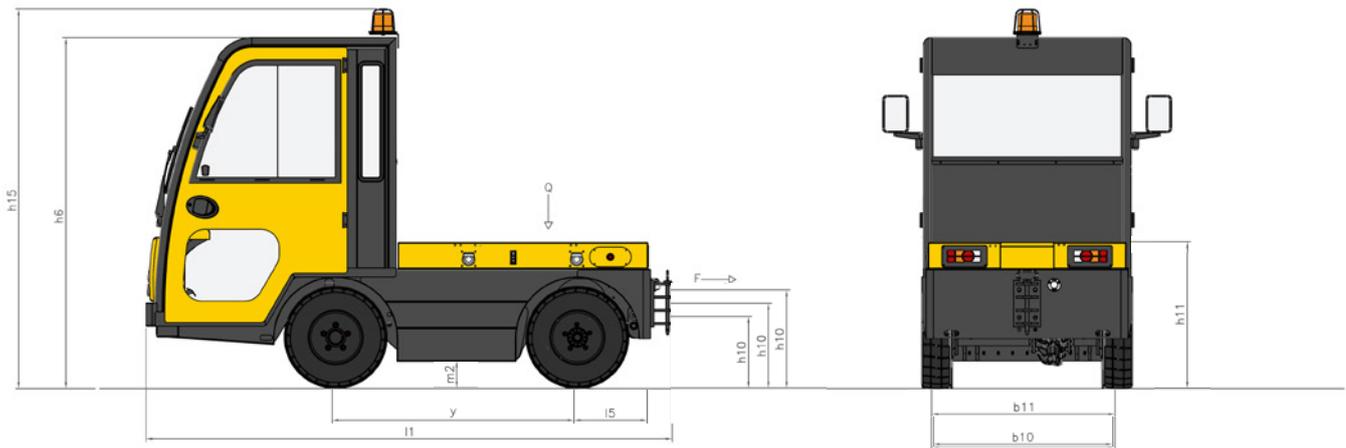
	MODEL	T1200
TOW HITCH / FEATURES	No tow hitch fitted	○
	20mm pin multi jaw tow hitch	●
	25mm pin multi jaw tow hitch	○
	40mm pin multi jaw tow hitch	○
	Combined 50mm ball and 25mm single jaw	○
	Rockinger autolock which can be released by lever beside driver's seat	○
	Rockinger hitch only	○
	50mm ball 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	○
	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 T1204 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 (cab option only)	○
	Large extendible exterior mirrors (un-cabbed only)	○
Interior fish eye mirror (cab option only)	○	
LOAD BED	Non slip resin coated plywood	●
	View area through rear deck board to give sight line to rear tow hitch	●
	Two lashing rings per side	●
	Extended load bed option available	○
	Pick-up - aluminium sides	○
	Pick-up - aluminium sides complete with PVC cover over platform area	○
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. (T1204 only)	○

TECHNICAL SPECIFICATIONS

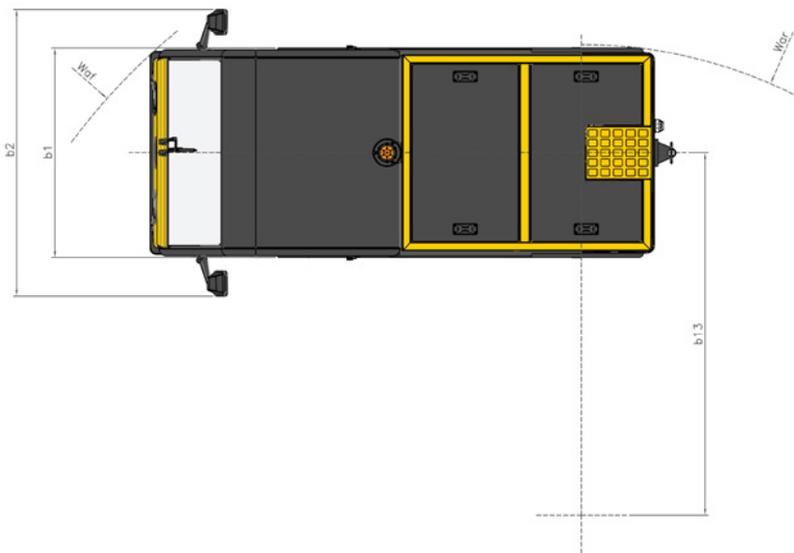
T1201-01 UN-CABBED TOW TRACTOR



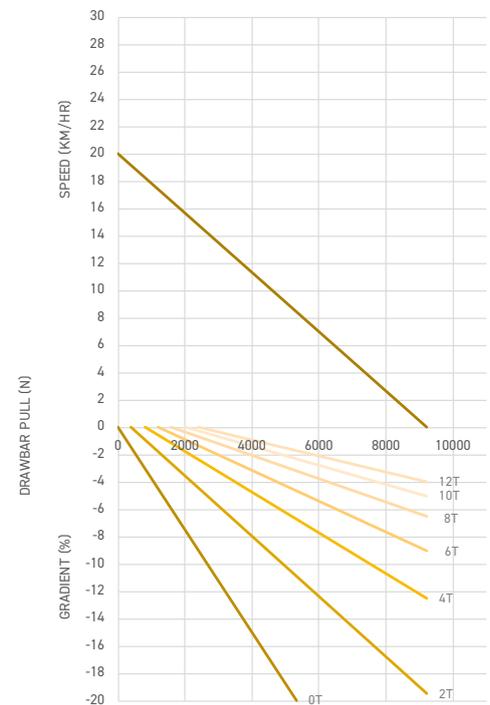
T1204-01 - CABBED TOW TRACTOR



TURNING CIRCLE



PERFORMANCE CHART



TECHNICAL DATA

VDI 2198	TECHNICAL FEATURES		T1201-01	T1204-01	
DISTINGUISHING MARK	1.1	Manufacturer (abbreviation)	BEV	BEV	
	1.2	Manufacturer's type designation	T1201-01	T1204-01	
	1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas	Battery	Battery	
	1.4	Operation	Seated	Seated	
	1.5	Rated capacity / Rated load ⁽¹⁾	Q (t)	2.0	2.0
	1.7	Rated drawbar pull ⁽²⁾	F (N)	2400	2400
	1.9	Wheelbase	y (mm)	1342	1342
WHEELS / TYRES	3.1	Tyres: SE=Pneumatic Shape Solid, SC=Supercushion	SE / SC	SE / SC	
	3.2	Tyre size, front	ø x width (mm)	570 x 160	570 x 160
	3.3	Tyre size, rear	ø x width (mm)	570 x 160	570 x 160
	3.5	Wheels, number front / rear (x = driven wheels)		2 / 2X	2 / 2X
	3.6	Tread / track, front	b 10 (mm)	990	990
	3.7	Tread / track, rear	b 11 (mm)	1013	1013
	3.9	Wheels braked service brake, number		4 x All	4 x All
	3.10	Wheels braked parking brake		2 x Rear	2 x Rear
DIMENSIONS	4.2.1	Overall height	h 15 (mm)	2209	2118
	4.7	Height of overhead cabin	h 6 (mm)	-	1958
	4.8	Seat height relating to SIP / stand height	h 7 (mm)	950	950
	4.12	Coupling height	h 10 (mm)	399 / 473 / 547	399 / 473 / 547
	4.13	Loading height, unladen	h 11 (mm)	816	816
	4.16	Length of loading surface	l 3 (mm)	1386	1386
	4.17	Overhang	l 5 (mm)	405	405
	4.18	Width of loading surface	b 9 (mm)	1098	1098
	4.19	Overall length	l 1 (mm)	2919	2919
	4.21	Overall width	b 1 / b 2 (mm)	1170	1170 / 1603
	4.32	Ground clearance, centre of wheelbase	m 2 (mm)	150	150
	4.35	Turning radius	W a F (mm)	3410	3515
	4.35	Turning radius	W a R (mm)	2630	2630
4.36	Internal turning radius	b 13 (mm)	2025	2025	
PERFORMANCE	5.1	Travel speed, laden / unladen	km/h	8 / 20	8 / 20
	5.1.1	Travel speed, laden / unladen, backwards	km/h	5 / 10	5 / 10
	5.5	Drawbar pull	N	4800	4800
	5.6	Max drawbar pull (48v/500Ah)	N	9250	9250
	5.8	Max. gradeability, laden / unladen	%	5 / 15	5 / 15
	5.10	Service brake		Hydraulic	Hydraulic
DRIVE	8.1	Type of drive unit		A/C Motor	A/C Motor
	8.10	Transfer of power		Helical Gears	Helical Gears
	8.11	Service brake		Hydraulic Drums	Hydraulic Drums
	8.12	Parking brake		EM Brake on Motor	EM Brake on Motor
MISC	10.7	Sound pressure level at the driver's seat	dB (A)	55.3	49.8

BATTERY SIZE & VEHICLE WEIGHTS			T1201-01 UN-CABBED				T1204-01 CABBED			
BATTERY		Battery Type	Lead	Lead	Lead	Gel	Lead	Lead	Lead	Gel
	6.1	Drive motor S2 60 minute rating (kW)	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
	6.4	Battery voltage (V/Ah)	48 / 360	48 / 500	48 / 620	48 / 440	48 / 360	48 / 500	48 / 620	48 / 440
	6.5	Battery weight (kg)	624	750	946	763	624	750	946	763
WEIGHTS	2.1.1	Service weight excluding battery (kg)	1312	1312	1312	1312	1652	1652	1652	1652
	2.1.0	Service weight including battery (kg)	1936	2062	2258	2075	2276	2402	2598	2415
	2.3	Axle loading, unladen front / rear (kg)	823/1113	886/1176	984/1274	882/1183	1163/1113	1226/1176	1324/1274	1232/1183

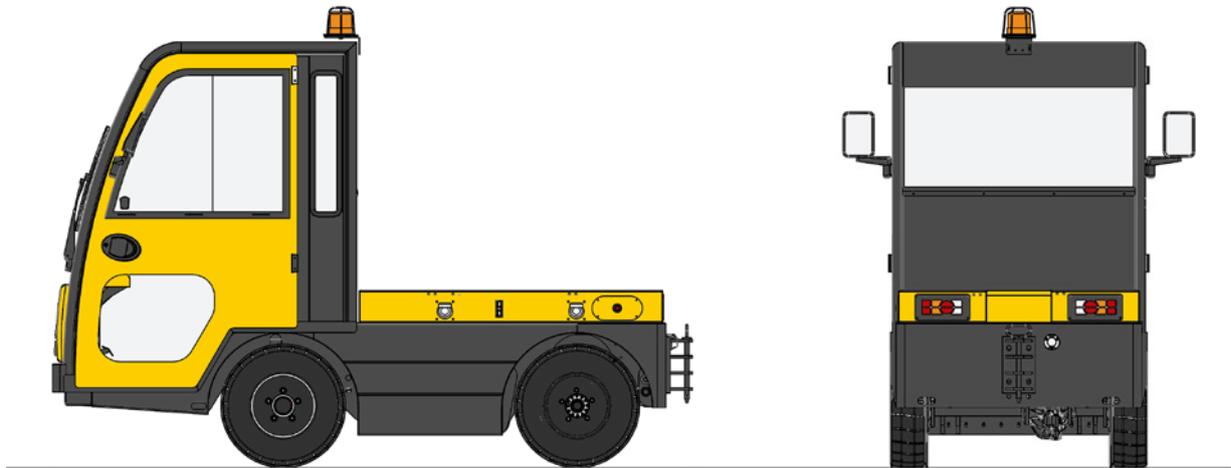
NOTE
 These values may vary +/- 5%. ⁽¹⁾ It is our recommendation that braked trailers are used for trailer loads exceeding 4000kg on level ground and for all trailer loads when operating on a gradient. Performance is affected by both the condition of the vehicle and towed equipment, as well as the surface and weather conditions within the operating area. ⁽²⁾ Based on 200N/tonne rolling resistance on a level dry surface

BODY OPTIONS / DIMENSIONS

PLATFORM

- Resin coated anti-slip plywood deck
- Four side flush lashing points fitted to body

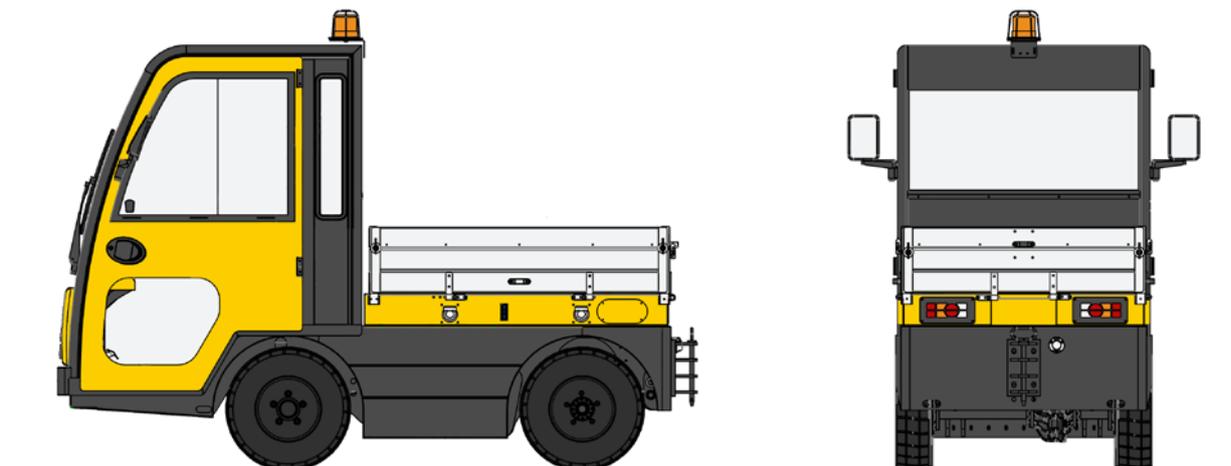
BODY CODE	-01	
DIMENSIONS	Length	1386mm
	Width	1098mm
	Platform Height	816mm
MODEL CODE	Un-cabbed	T1201-01
	Cab No Doors	T1202-01
	Cab PVC Doors	T1203-01
	Cab Slam Doors	T1204-01



ALUMINIUM PICK-UP

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

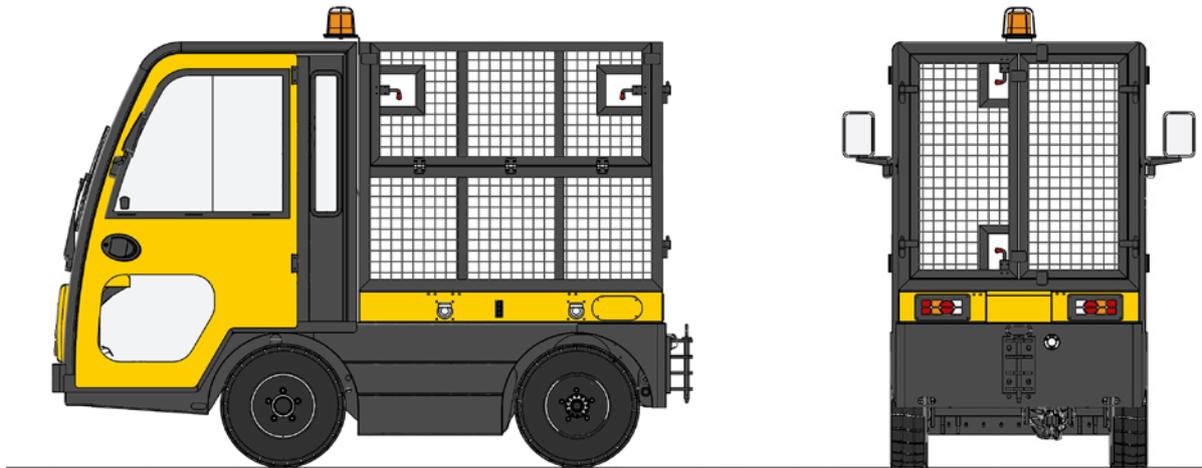
BODY CODE	-02	
DIMENSIONS	Length (Internal)	1294mm
	Width (Internal)	1036mm
	Height	300mm
	Platform Height	816mm
MODEL CODE	Un-cabbed	T1201-02
	Cab No Doors	T1202-02
	Cab PVC Doors	T1203-02
	Cab Slam Doors	T1204-02



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

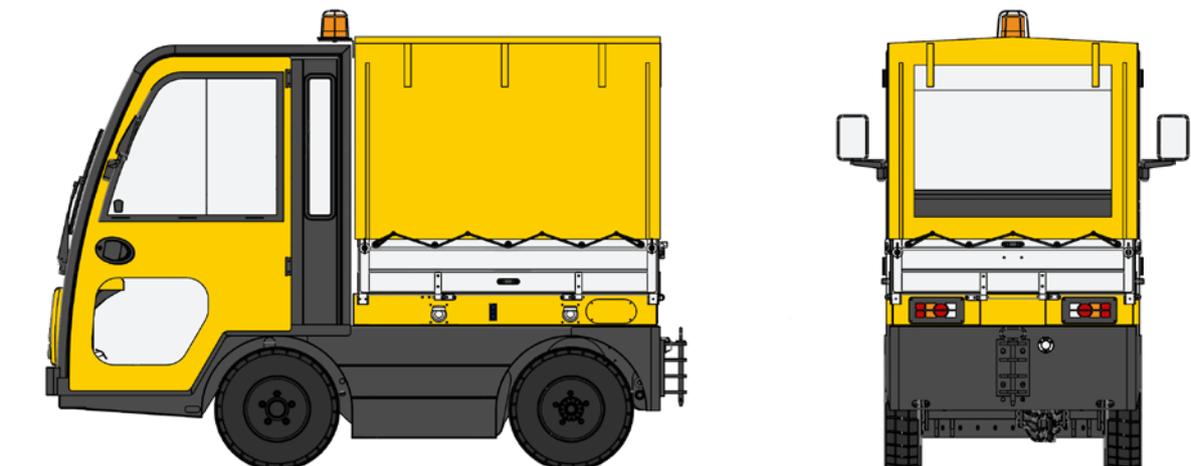
BODY CODE	-03	
DIMENSIONS	Length (Internal)	1286mm
	Width (Internal)	1018mm
	Height	1140mm
	Rear Loading Height	866mm
MODEL CODE	Un-cabbed	T1201-03
	Cab No Doors	T1202-03
	Cab PVC Doors	T1203-03
	Cab Slam Doors	T1204-03



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	
DIMENSIONS	Length (Internal)	1294mm
	Width (Internal)	1036mm
	Height	1150mm
	Platform Height	816mm
MODEL CODE	Un-cabbed	T1201-05
	Cab No Doors	T1202-05
	Cab PVC Doors	T1203-05
	Cab Slam Doors	T1204-05





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.
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