

# **T1200** 12 Tonne Tow Tractor

48 volt AC controller Cabbed & Un-cabbed 4 Wheels

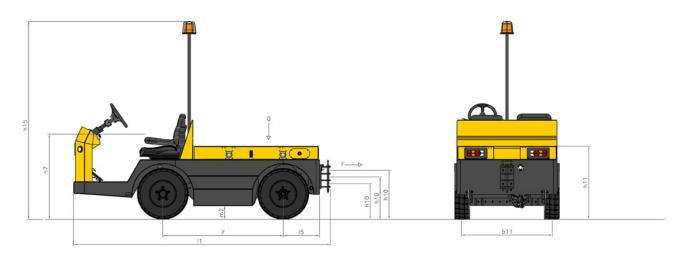


# STANDARD EQUIPMENT & OPTIONS

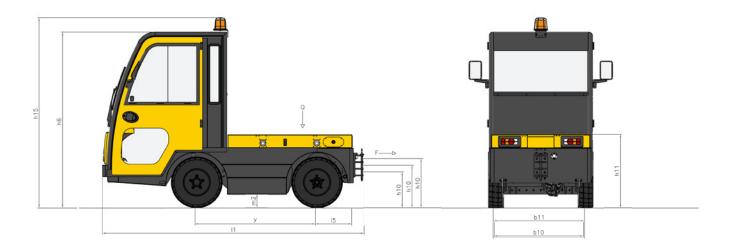
		<b>T1000</b>
	MODEL	T1200
VEHICLE OVERVIEW	Configuration	4 wheel
	Power unit: 48 volt AC controller	•
	Tow load capacity	12000kg
	Payload capacity	2000kg
	Power steering	•
	Suspension front and rear	•
	Welded steel chassis, painted	•
	Rear drive axle with limited slip differential	•
	Standard ambient operating temperatures -10 to +40	•
	48v 360Ah lead acid (24 x 4PzS360)	0
S	48v 500Ah lead acid (24 x 4PzS500)	0
SORI	48v 620Ah lead acid (24 x 4PzS620)	0
CES	48v 440Ah gel maintenance free (24 x 4PzV440)	0
& AC	Chassis conversion to allow for side access battery extraction	0
RIES	Optional rollers fitted to chassis to allow for roll-out side battery extraction	0
BATTERIES & ACCESSORIES	Battery fill system (BFS) and low electrolyte level indicator (Blinky)	0
BA	Battery auto filler - option 1. Pressurised topping bottle with manual pump	0
	Battery auto filler - option 2. Mobile 12-volt hydrofill battery watering cart with charger	0
	Hydraulic drum brakes to all wheels	•
	Electronic regenerative braking under deceleration	•
S	Dynamic speed sensing to prevent over-speeding in all driving conditions	•
BRAKING SYSTEMS	Automatic hill hold. Controller holds vehicle on incline without driver input	•
3 SYS	Automatically applied transmission parking brake	•
KING	Hydraulic trailer braking system, includes; single quick release hydraulic coupling	0
BRA	Air trailer braking system	
	Includes; Chassis conversion to accept electric motor driven compressor,	0
	Air tanks, Air dryer, Twin air couplings and emergency service line	
	Lighting includes:	
S	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)	•
LIGHTING / ACCESSORIES	Amber flashing beacon mounted on pole or cab	•
GHTI	Blue spot warning light - front only	0
ACC	Blue spot warning light - front & rear	0
	Rear mounted 12 volt working light	0
	Maximum speed can be pre-set between 8-20kph (Please specify speed setting at time of order)	•
ЯĽЕ	High / Low speed switch on dashboard (Please specify speed settings at time of order)	0
UDIE	Safety seat cut out, (OPS). Vehicle will not operate unless driver is seated	•
CONTROLS / AUDIBLE WARNINGS	Emergency stop button	•
ROLS WAR	Horn	•
TNO	Automatic audible warning in reverse	•
0	Automatic white noise audible warning in forward	0
	Battery discharge indicator	•
INSTRUMENTS	Dash mounted lamp to indicate when park brake is applied	•
	Digital speedometer	•
	Hour meter	•
	Keypad in place of standard key switch	0
	Dash mounted 12 volt charging socket	0
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	0
	ologia to (1 - 5) prioritatio profiloa por solia pariotalio proof non marking	Ŭ

	MODEL	T1200
	No tow hitch fitted	0
TOW HITCH / FEATURES	20mm pin multi jaw tow hitch	•
	25mm pin multi jaw tow hitch	0
	40mm pin multi jaw tow hitch	0
	Combined 50mm ball and 25mm single jaw	0
	Rockinger autolock which can be released by lever beside driver's seat	0
4 / F	Rockinger hitch only	0
DW HITCH	50mm ball tow hitch	0
	50mm ball adapter fits in any one of the three jaws on the standard tow hitch	0
F	Front two jaw 20mm pin tow hitch	0
	Front two jaw 40mm pin tow hitch	0
	Tow hitch specific for site requirement	0
	Inching buttons on rear near side of vehicle	•
	Left hand drive	•
	Un-cabbed	0
	Steel cab no doors	0
	Steel cab PVC roll up weather proof doors	0
	Steel cab lockable slam metal doors	0
CAB	Right hand drive option	0
0	Front wiper (cab option only)	•
	Rear wiper (cab option only)	0
	Screen wash system for front screen only (cab option only)	0
	Screen wash system for front and rear screen, must be ordered with rear wiper (cab option only)	0
	Electric heater with 3 directional nozzles and 3 speed blower (available on T1204 only)	0
	Rear mounted camera with display screen	0
	Single semi-suspension driver's seat and fixed passenger seat	•
0	Upgraded to full suspension vinyl drivers seat with arm rests	0
SEATING	Upgraded to cloth drivers seat with arm rests	0
S	Twin inertia lap seat belts	0
	Twin high visibility inertia lap seat belts (interlock fitted to drivers seat only)	0
	Interior mirrors (cab option only)	•
	Exterior mirrors (cab option only)	•
MIRRORS	Exterior mirrors (un-cabbed only)	0
MIRR	Large extendible exterior mirrors (cab option only)	0
-	Large extendible exterior mirrors (un-cabbed only)	0
	Interior fish eye mirror (cab option only)	0
	Non slip resin coated plywood	•
	View area through rear deck board to give sight line to rear tow hitch	•
G	Two lashing rings per side	•
LOAD BED	Extended load bed option available	0
LO	Pick-up - aluminium sides	0
	Pick-up - aluminium sides complete with PVC cover over platform area	0
	Removable aluminium platform overlay	0
0	1kg dry powder fire extinguisher	0
MISC	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	0
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	0
	Custom colour. Chassis black. Panels and cab doors to customer's single colour specification. RAL number to be supplied at	0
	time of order. (T1204 only)	

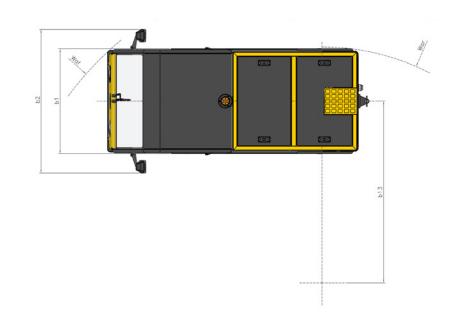
# T1201-01 UN-CABBED TOW TRACTOR



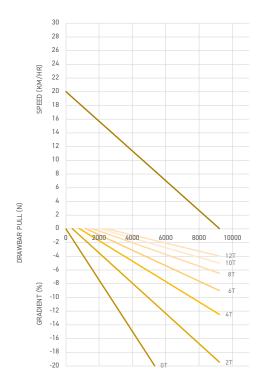
### T1204-01 - CABBED TOW TRACTOR



TURNING CIRCLE



#### PERFORMANCE CHART



# TECHNICAL DATA

1.1         Manufacturer (abbrey-store)         BEV         BEV           112         Manufacturer (abbrey-store)         IT 120.401         TT 120.401           13         Drive electric (battery or mains), dese, periol, fuel gas         Battery         Battery           14         Operation         Seated         Battery           15         Refer Cabachy (Setter) or mains), dese, periol, fuel gas         0 (t)         2.0         2.0           17         Tasked transdur put H         0 (t)         2.0         2.0         2.0           19         Wheebase         y (rm)         18/2.2         18/2.2         18/2.2         18/2.2           21         Tyres is the firm         a x width (rm)         507.160         570.160         570.180	VDI :	2198	TECHNICAL FEATURES		T1201-01	T1204-01
19         Wheeltsee         y (mm)         13x2         13x2           31         Tyres Size Front         SE / SC         SE / SC         SE / SC           32         Tyre size, front         # width (nm)         STM k160         STM k160           33         Tyre size, front         # width (nm)         STM k160         STM k160           33         Wheels, number front / rear (x = driven wheels)         # 2 / ZX         Z / ZX           34         Timead / track front         b 10 (nmn)         990         990           37         Timaad / track front         b 10 (nmn)         1013         1013           39         Wheels braked service brake, number         A x All         4 x All         4 x All           310         Wheels braked service brake, number         h 16 (nm)         2 x Rear         2 x Rear           42         Weels braked parking brake         -         1950         950         950           42         Deeral height colution         h 10 (nm)         950         950         950           43         Lading height or oxerhead cabin         h 10 (nm)         950         950         950           44         Lading height or oxerhead cabin         h 10 (nm)         950         950		1.1	Manufacturer (abbreviation)		BEV	BEV
19         Wheeltsee         y (mm)         13x2         13x2           31         Tyres Size Front         SE / SC         SE / SC         SE / SC           32         Tyre size, front         # width (nm)         STM k160         STM k160           33         Tyre size, front         # width (nm)         STM k160         STM k160           33         Wheels, number front / rear (x = driven wheels)         # 2 / ZX         Z / ZX           34         Timead / track front         b 10 (nmn)         990         990           37         Timaad / track front         b 10 (nmn)         1013         1013           39         Wheels braked service brake, number         A x All         4 x All         4 x All           310         Wheels braked service brake, number         h 16 (nm)         2 x Rear         2 x Rear           42         Weels braked parking brake         -         1950         950         950           42         Deeral height colution         h 10 (nm)         950         950         950           43         Lading height or oxerhead cabin         h 10 (nm)         950         950         950           44         Lading height or oxerhead cabin         h 10 (nm)         950         950	1ARK	1.2	Manufacturer's type designation		T1201-01	T1204-01
19         Wheeltsee         y (mm)         13x2         13x2           31         Tyres Size Front         SE / SC         SE / SC         SE / SC           32         Tyre size, front         # width (nm)         STM k160         STM k160           33         Tyre size, front         # width (nm)         STM k160         STM k160           33         Wheels, number front / rear (x = driven wheels)         # 2 / ZX         Z / ZX           34         Timead / track front         b 10 (nmn)         990         990           37         Timaad / track front         b 10 (nmn)         1013         1013           39         Wheels braked service brake, number         A x All         4 x All         4 x All           310         Wheels braked service brake, number         h 16 (nm)         2 x Rear         2 x Rear           42         Weels braked parking brake         -         1950         950         950           42         Deeral height colution         h 10 (nm)         950         950         950           43         Lading height or oxerhead cabin         h 10 (nm)         950         950         950           44         Lading height or oxerhead cabin         h 10 (nm)         950         950	NG N	1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas		Battery	Battery
19         Wheeltsee         y (mm)         13x2         13x2           31         Tyres Size Front         SE / SC         SE / SC         SE / SC           32         Tyre size, front         # width (nm)         STM k160         STM k160           33         Tyre size, front         # width (nm)         STM k160         STM k160           33         Wheels, number front / rear (x = driven wheels)         # 2 / ZX         Z / ZX           34         Timead / track front         b 10 (nmn)         990         990           37         Timaad / track front         b 10 (nmn)         1013         1013           39         Wheels braked service brake, number         A x All         4 x All         4 x All           310         Wheels braked service brake, number         h 16 (nm)         2 x Rear         2 x Rear           42         Weels braked parking brake         -         1950         950         950           42         Deeral height colution         h 10 (nm)         950         950         950           43         Lading height or oxerhead cabin         h 10 (nm)         950         950         950           44         Lading height or oxerhead cabin         h 10 (nm)         950         950	IIHS	1.4	Operation		Seated	Seated
19         Wheeltsee         y (mm)         13x2         13x2           31         Tyres Size Front         SE / SC         SE / SC         SE / SC           32         Tyre size, front         # width (nm)         STM k160         STM k160           33         Tyre size, front         # width (nm)         STM k160         STM k160           33         Wheels, number front / rear (x = driven wheels)         # 2 / ZX         Z / ZX           34         Timead / track front         b 10 (nmn)         990         990           37         Timaad / track front         b 10 (nmn)         1013         1013           39         Wheels braked service brake, number         A x All         4 x All         4 x All           310         Wheels braked service brake, number         h 16 (nm)         2 x Rear         2 x Rear           42         Weels braked parking brake         -         1950         950         950           42         Deeral height colution         h 10 (nm)         950         950         950           43         Lading height or oxerhead cabin         h 10 (nm)         950         950         950           44         Lading height or oxerhead cabin         h 10 (nm)         950         950	NGU	1.5	Rated capacity / Rated load (1)	Q (t)	2.0	2.0
19         Wheeltsee         y (mm)         13x2         13x2           31         Tyres Size Front         SE / SC         SE / SC         SE / SC           32         Tyre size, front         # width (nm)         STM k160         STM k160           33         Tyre size, front         # width (nm)         STM k160         STM k160           33         Wheels, number front / rear (x = driven wheels)         # 2 / ZX         Z / ZX           34         Timead / track front         b 10 (nmn)         990         990           37         Timaad / track front         b 10 (nmn)         1013         1013           39         Wheels braked service brake, number         A x All         4 x All         4 x All           310         Wheels braked service brake, number         h 16 (nm)         2 x Rear         2 x Rear           42         Weels braked parking brake         -         1950         950         950           42         Deeral height colution         h 10 (nm)         950         950         950           43         Lading height or oxerhead cabin         h 10 (nm)         950         950         950           44         Lading height or oxerhead cabin         h 10 (nm)         950         950	ISTI	1.7	Rated drawbar pull <sup>(2)</sup>	F (N)	2400	2400
32         Tyre size, front         p x width (mm)         970 x 160         970 x 160           33         Tyre size, rear         p x width (mm)         570 x 160         970 x 160           35         Wheels, number front / rear (x = driven wheels)         2/2X         2//2X         2//2X           36         Tread / track, front         b 10 (mm)         990         990           37         Tread / track, front         b 10 (mm)         1013         1013           39         Wheels, braked parking brake         -         2 x Rear         2 x Rear           310         Wheels, braked parking brake         -         2 x Rear         2 x Rear           421         Overiall height         h 15 (mm)         2009         2118           41         Coverial height initiang to SIP / stand height         h 16 (mm)         -         1958           412         Coupling height         h 10 (mm)         399 / 473 / 547         399 / 473 / 547         399 / 473 / 547           413         Ladading height, unladen         h 11 (mm)         816         816           414         Overhaing tability to idading surface         13 (m)         1388         1388           419         Overhaing tability to idading surface         13 (m) <td< td=""><td></td><td>1.9</td><td>Wheelbase</td><td>y (mm)</td><td>1342</td><td>1342</td></td<>		1.9	Wheelbase	y (mm)	1342	1342
S20 00000000000000000000000000000000000		3.1	Tyres: SE=Pneumatic Shape Solid, SC=Supercushion		SE / SC	SE / SC
S20 Total         3.3         Tyre size, rear         p x width (mm)         570 x 160         570 x 160           3.5         Wheels, number front / rear (x = driven wheels)         2 / 2X         2 / 2X         2 / 2X           3.6         Tread / track, front         b 10 (mm)         990         990         990           3.7         Traad / track, front         b 10 (mm)         1013         1013         1013           3.9         Wheels traked service brake, number         4 x All         4 x All         4 x All           3.10         Wheels traked service brake, number         1 (mn)         22x Rear         2 x Rear           4.21         Overall height         h 16 (mn)         -         1988           4.8         Seat height relaing to SiP / stand height         h 10 (mm)         399 / 473 / 547         399 / 473 / 547           4.12         Overlang height, unladen         h 11 (mm)         1386         1386         1386           4.14         Length of loading surface         13 (mn)         1405         405         405           4.19         Deverlang         Ustar         Math of loading surface         9 (mn)         1098         1098           4.33         Traing radius         W a F (mn)         340 <td< td=""><td></td><td>3.2</td><td>Tyre size, front</td><td>ø x width (mm)</td><td>570 x 160</td><td>570 x 160</td></td<>		3.2	Tyre size, front	ø x width (mm)	570 x 160	570 x 160
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           4.21         Overall height         h 15 (nm)         2209         2118           4.7         Height of overhead cabin         h 6 (mr)         -         1998           4.8         Seat height relating to S1P / stand height         h 7 (mm)         990 / 473 / 547         399 / 473 / 547           4.11         Loading height, unladen         h 11 (nm)         816         816           4.16         Length of loading surface         13 (mn)         1386         1386           4.17         Overhang         15 (mn)         405         405           4.18         Width of loading surface         b 9 (mm)         1098         1098           4.19         Overall width         b 1 / b 2 (mm)         1170         170 / 1603           4.20         Ground clearance, centre of wheelbase         m 2 (mm)         1170         170 / 1603           4.35         Turning radius         W a R (mm)         2025         2025           4.35         Turning radius         b 13 (mn)         2025         2025           5.1         Travel speed, laden / unladen<	RES	3.3		ø x width (mm)	570 x 160	570 x 160
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           4.21         Overall height         h 15 (nm)         2209         2118           4.7         Height of overhead cabin         h 6 (mr)         -         1998           4.8         Seat height relating to S1P / stand height         h 7 (mm)         990 / 473 / 547         399 / 473 / 547           4.11         Loading height, unladen         h 11 (nm)         816         816           4.16         Length of loading surface         13 (mn)         1386         1386           4.17         Overhang         15 (mn)         405         405           4.18         Width of loading surface         b 9 (mm)         1098         1098           4.19         Overall width         b 1 / b 2 (mm)         1170         170 / 1603           4.20         Ground clearance, centre of wheelbase         m 2 (mm)         1170         170 / 1603           4.35         Turning radius         W a R (mm)         2025         2025           4.35         Turning radius         b 13 (mn)         2025         2025           5.1         Travel speed, laden / unladen<	TγI	3.5	Wheels, number front / rear (x = driven wheels)		2 / 2X	2 / 2X
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           4.21         Overall height         h 15 (nm)         2209         2118           4.7         Height of overhead cabin         h 6 (mr)         -         1998           4.8         Seat height relating to S1P / stand height         h 7 (mm)         990 / 473 / 547         399 / 473 / 547           4.11         Loading height, unladen         h 11 (nm)         816         816           4.16         Length of loading surface         13 (mn)         1386         1386           4.17         Overhang         15 (mn)         405         405           4.18         Width of loading surface         b 9 (mm)         1098         1098           4.19         Overall width         b 1 / b 2 (mm)         1170         170 / 1603           4.20         Ground clearance, centre of wheelbase         m 2 (mm)         1170         170 / 1603           4.35         Turning radius         W a R (mm)         2025         2025           4.35         Turning radius         b 13 (mn)         2025         2025           5.1         Travel speed, laden / unladen<	ELS	3.6	Tread / track, front	b 10 (mm)	990	990
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           4.21         Overall height         h 15 (nm)         2209         2118           4.7         Height of overhead cabin         h 6 (mr)         -         1998           4.8         Seat height relating to S1P / stand height         h 7 (mm)         990 / 473 / 547         399 / 473 / 547           4.11         Loading height, unladen         h 11 (nm)         816         816           4.16         Length of loading surface         13 (mn)         1386         1386           4.17         Overhang         15 (mn)         405         405           4.18         Width of loading surface         b 9 (mm)         1098         1098           4.19         Overall width         b 1 / b 2 (mm)         1170         170 / 1603           4.20         Ground clearance, centre of wheelbase         m 2 (mm)         1170         170 / 1603           4.35         Turning radius         W a R (mm)         2025         2025           4.35         Turning radius         b 13 (mn)         2025         2025           5.1         Travel speed, laden / unladen<	VHEI	3.7	Tread / track, rear	b 11 (mm)	1013	1013
421         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)         960         960           4.12         Coupling height, unladen         h 10 (mm)         399 / 473 / 547         399 / 473 / 547           4.13         Loading height, unladen         h 11 (mm)         816         814           4.14         Length of loading surface         1.3 (mm)         1386         1386           4.16         Length of loading surface         b 9 (mm)         10098         1098           4.17         Overhall (length         1.1 (mm)         816         814           4.19         Overhall (length         1.1 (mm)         816         815           4.19         Overhall (length         1.1 (mm)         2019         2019           4.21         Overhall (length         1.1 (mm)         2019         2019           4.23         Ground clearance, centre of wheelbase         m 2 (mm)         3410         3515           4.35         Turning radius         W a R (mm)         24230         24230           4.36         Itrenent turning	-	3.9	Wheels braked service brake, number		4 x All	4 × All
47         Height of overhead cabin         h 6 (mm)         1058           48         Seat height relating to SIP / stand height         h 7 (mm)         950         950           412         Coupling height         h 10 (mm)         399 / 473 / 547         399 / 473 / 547           413         Loading height, unladen         h 11 (mm)         816         816           414         Length of loading surface         L 3 (mm)         1386         1386           416         Length of loading surface         L 3 (mm)         1386         1098           417         Overhang         L 5 (mm)         405         405           418         Width of loading surface         b 9 (mm)         1098         1098           419         Overall (ength         L 1 (mm)         2919         2919           421         Overall (ength         B 1 / b 2 (mm)         1170         1170 / 1603           433         Turning radius         W a F (mn)         3410         3515           435         Turning radius         W a F (mn)         2025         2025           436         Internal turning radius         B 13 (mn)         2025         2025           51         Travel speed, laden / unladen, backwards         km/h		3.10	Wheels braked parking brake		2 x Rear	2 x Rear
48         Seat height relating to SIP / stand height         h 7 (mm)         950         950           412         Coupling height         h 10 (mm)         399 / 473 / 547         399 / 473 / 547           413         Loading height, unladen         h 11 (mm)         816         816           414         Length of loading surface         L 3 (mm)         1386         1386           417         Overhang         L 5 (mm)         405         405           418         Width of loading surface         b 9 (mm)         1098         1098           419         Overall length         L 1 (mm)         2919         2919           421         Overall width         b 1 / b 2 (mm)         1170         1170 / 1603           432         Ground clearance, centre of wheelbase         m 2 (mm)         3410         3515           435         Turning radius         W a R (mm)         2025         2025           436         Internat turning radius         b 13 (mm)         2025         2025           51         Travel speed, laden / unladen, backwards         km/h         5 / 10         5 / 10           55         Drawbar pult         N         4800         4800         4800           56         Max		4.2.1	Overall height	h 15 (mm)	2209	2118
412         Coupling height         h 10 (mm)         399 / 473 / 547         399 / 473 / 547           413         Loading height, unladen         h 11 (mm)         816         816           414         Length of loading surface         L 3 (mm)         1386         1386           417         Overhang         L 5 (mm)         405         405           418         Width of loading surface         b 9 (mm)         1098         1098           419         Overall length         L 1 (mm)         2919         2919           421         Overall width         b 1 / b 2 (mm)         1170         1170 / 1603           432         Ground clearance, centre of wheelbase         m 2 (mm)         3410         3515           435         Turning radius         W a F (mm)         3410         3515           435         Turning radius         B 1 (mm)         2025         2025           51         Travel speed, laden / unladen         km/h         5 / 10         5 / 10           55         Drawbar pull         N         4800         4600           56         Max drawbar pull (48v/500Ah)         N         9250         9250           58         Max gradeability, laden / unladen         %		4.7	Height of overhead cabin	h 6 (mm)	-	1958
Note         Number Name         Note         Note         Note           13         Loading height, unladen         h 11 (mm)         816         816           14         Length of loading surface         L 3 (mm)         1386         1386           17         Overhang         L 5 (mm)         405         405           418         Width of loading surface         b 9 (mm)         1098         1098           419         Overall length         L 1 (mm)         2919         2919           421         Overall length         L 1 (mm)         2919         2919           422         Ground clearance, centre of wheelbase         m 2 (mm)         1170         1170 / 1603           435         Turning radius         W a F (mm)         3410         3515           435         Turning radius         W a R (mm)         2630         2630           436         Internal turning radius         b 13 (mm)         2025         2025           51         Travel speed, laden / unladen         km/h         8 / 20         8 / 20           51.1         Travel speed, laden / unladen         N         4800         4800           55         Drawbar pull         Max drawbar pull (k80/500Ah)         N<		4.8	Seat height relating to SIP / stand height	h 7 (mm)	950	950
Nome         A 14         Length of Loading surface         I 3 (mm)         1 386         1 386           4.17         Overhang         L 5 (mm)         405         405           4.18         Width of Loading surface         b 9 (nm)         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)         3410         3515           4.35         Turning radius         W a F (nm)         3410         3515           4.35         Turning radius         W a R (nm)         2025         2025           4.36         Internal turning radius         b 13 (nm)         2025         2025           5.1         Travel speed, laden / unladen, backwards         km/h         8 / 20         8 / 20           5.1.1         Travel speed, laden / unladen, backwards         km/h         5 / 10         5 / 10           5.5         Drawbar pult         Akw gradeability, Laden / unladen         N         4800         4800           5.6         Max gradeability, Laden / unladen         %         5 / 15         5 / 15		4.12	Coupling height	h 10 (mm)	399 / 473 / 547	399 / 473 / 547
Nome         L5 (mm)         405         405           4.17         Overhang         b 9 (mm)         1098         1098           4.18         Width of loading surface         b 9 (mm)         1098         1098           4.19         Overall length         L1 (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)         3410         3515           4.35         Turning radius         W a F (mm)         2630         2630           4.35         Internal turning radius         b 13 (mm)         2025         2025           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 (A8v/500Ah)         N         4800         4800           5.6         Max gradeability, laden / unladen         %         5 / 15         5 / 15           5.10         Service brake         N         4800         4800           5.8         Max gradeability, laden / unladen         %         5 / 15 </td <td></td> <td>4.13</td> <td>Loading height, unladen</td> <td>h 11 (mm)</td> <td>816</td> <td>816</td>		4.13	Loading height, unladen	h 11 (mm)	816	816
A119         Overalt teright         C1 (1111)         A2117         A2117           4.21         Overalt width         b1/b2(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           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         Vas/S00Ah)         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         I         Hydraulic         Hydraulic           8.10         Transfer of power         F         Helical Gears         Helical Gears           8.11         Se	<u>s</u>	4.16	Length of loading surface	l 3 (mm)	1386	1386
A119         Overalt teright         C1 (1111)         A2117         A2117           4.21         Overalt width         b1/b2(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           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         Vas/S00Ah)         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         I         Hydraulic         Hydraulic           8.10         Transfer of power         F         Helical Gears         Helical Gears           8.11         Se	SION	4.17	Overhang	l 5 (mm)	405	405
A119         Overalt teright         C1 (1111)         A2117         A2117           4.21         Overalt width         b1/b2(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           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         Vas/S00Ah)         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         I         Hydraulic         Hydraulic           8.10         Transfer of power         F         Helical Gears         Helical Gears           8.11         Se	MEN	4.18	Width of loading surface	b 9 (mm)	1098	1098
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           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         Ask drawbar pull (48v/500Ah)         N         4800         4800           5.6         Max drawbar pull (48v/500Ah)         N         9250         9250         9250           5.8         Max gradeability, laden / unladen         %         5 / 15	ā	4.19	Overall length	l 1 (mm)	2919	2919
4.35Turning radiusWa F (mm)341035154.35Turning radiusWa R (mm)263026304.36Internal turning radiusb 13 (mm)202520254.36Travel speed, laden / unladenkm/h8 / 208 / 205.11Travel speed, laden / unladen, backwardskm/h5 / 105 / 105.55Drawbar pullSo / 105 / 106 / 106 / 105.6Max drawbar pull (48v/500Ah)N480048005.6Max gradeability, laden / unladen% 05 / 155 / 155.10Service brake-6 / 10Hydraulic8.10Transfer of power-A/C MotorA/C Motor8.11Service brake-Helical GearsHelical Gears8.11Service brake-EM Brake on MotorEM Brake on Motor		4.21	Overall width	b 1 / b 2 (mm)	1170	1170 / 1603
4.35Turning radiusW a R (mm)263026304.36Internal turning radiusb 13 (mm)202520255.1Travel speed, laden / unladenkm/h8 / 208 / 205.1.1Travel speed, laden / unladen, backwardskm/h5 / 105 / 105.5Drawbar pullN480048005.6Max drawbar pull (48/500Ah)N925092505.8Max gradeability, laden / unladen%5 / 155 / 155.10Service brakeMA/C MotorHydraulic8.11Type of drive unitA/C MotorA/C MotorA/C Motor8.11Service brakeIHydraulic DrumsHydraulic Drums8.11Service brakeIHydraulic DrumsHydraulic Drums8.12Parking brakeIIII		4.32	Ground clearance, centre of wheelbase	m 2 (mm)	150	150
4.36Internal turning radiusb 13 (mm)202520255.1Travel speed, laden / unladenkm/h8 / 208 / 205.1.1Travel speed, laden / unladen, backwardskm/h5 / 105 / 105.5Drawbar pullN480048005.6Max drawbar pull (48v/500Ah)N925092505.8Max. gradeability, laden / unladen%5 / 155 / 155.10Service brake%5 / 155 / 158.11Type of drive unitA/C MotorA/C MotorA/C Motor8.12Parking brakeIHelical GearsHelical Gears8.12Parking brakeIEM Brake on MotorEM Brake on Motor		4.35	Turning radius	W a F (mm)	3410	3515
S1         Travel speed, laden / unladen         km/h         8 / 20         8 / 20           5.1         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         %         5 / 15         5 / 15           8.11         Type of drive unit         %         A/C Motor         A/C Motor           8.10         Transfer of power         Indexter         Helical Gears         Helical Gears           8.11         Service brake         Indexter         Hydraulic Drums         Hydraulic Drums           8.12         Parking brake         Indexter         EM Brake on Motor         EM Brake on Motor		4.35	Turning radius	W a R (mm)	2630	2630
Dyperse 5.1.1Travel speed, laden / unladen, backwardskm/h5 / 105.5Drawbar pullN480048005.6Max drawbar pull (48v/500Ah)N925092505.8Max. gradeability, laden / unladen%5 / 155 / 155.10Service brakeFHydraulicHydraulic8.11Type of drive unitImage: Service brakeA/C MotorA/C Motor8.10Transfer of powerImage: Service brakeHelical GearsHelical Gears8.11Service brakeImage: Service brakeHydraulic DrumsHydraulic Drums8.12Parking brakeImage: Service brakeEM Brake on MotorEM Brake on Motor		4.36	Internal turning radius	b 13 (mm)	2025	2025
5.10Service brakeHydraulicHydraulic8.11Type of drive unitA/C MotorA/C Motor8.10Transfer of powerHelical GearsHelical Gears8.11Service brakeHydraulic DrumsHydraulic Drums8.12Parking brakeEM Brake on MotorEM Brake on Motor		5.1	Travel speed, laden / unladen	km/h	8 / 20	8 / 20
5.10Service brakeHydraulicHydraulic8.11Type of drive unitA/C MotorA/C Motor8.10Transfer of powerHelical GearsHelical Gears8.11Service brakeHydraulic DrumsHydraulic Drums8.12Parking brakeEM Brake on MotorEM Brake on Motor	ЫСП	5.1.1	Travel speed, laden / unladen, backwards	km/h	5 / 10	5 / 10
5.10Service brakeHydraulicHydraulic8.11Type of drive unitA/C MotorA/C Motor8.10Transfer of powerHelical GearsHelical Gears8.11Service brakeHydraulic DrumsHydraulic Drums8.12Parking brakeEM Brake on MotorEM Brake on Motor	MAN	5.5	Drawbar pull	Ν	4800	4800
5.10Service brakeHydraulicHydraulic8.11Type of drive unitA/C MotorA/C Motor8.10Transfer of powerHelical GearsHelical Gears8.11Service brakeHydraulic DrumsHydraulic Drums8.12Parking brakeEM Brake on MotorEM Brake on Motor	FOR	5.6	Max drawbar pull (48v/500Ah)	Ν	9250	9250
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	PER	5.8	Max. gradeability, laden / unladen	%	5 / 15	5 / 15
8.10Transfer of powerHelical GearsHelical Gears8.11Service brakeHydraulic DrumsHydraulic Drums8.12Parking brakeEM Brake on MotorEM Brake on Motor		5.10	Service brake		Hydraulic	Hydraulic
8.10Transfer of powerHelical GearsHelical Gears8.11Service brakeHydraulic DrumsHydraulic Drums8.12Parking brakeEM Brake on MotorEM Brake on Motor		8.1	Type of drive unit		A/C Motor	A/C Motor
8.12 Parking brake Motor EM Brake on Motor EM Brake on Motor	ШN	8.10			Helical Gears	Helical Gears
	DRI	8.11			Hydraulic Drums	Hydraulic Drums
ISC 10.7 Sound pressure level at the driver's seat dB (A) 55.3 49.8		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

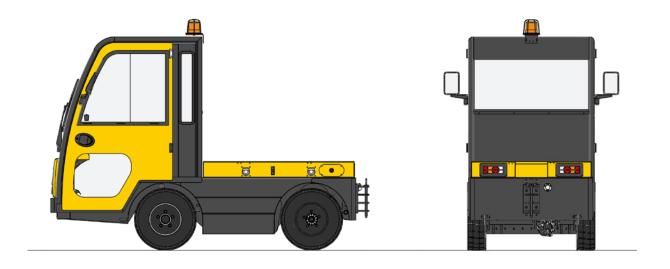
BATTERY SIZE & VEHICLE WEIGHTS			T1201-01 UN-CABBED			T1204-01 CABBED					
		Battery Type		Lead	Lead	Lead	Gel	Lead	Lead	Lead	Gel
TERY	6.1	Drive motor S2 60 minute rating	(kW)	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
BATT	6.4	Battery voltage	(V/Ah)	48 / 360	48 / 500	48 / 620	48 / 440	48 / 360	48 / 500	48 / 620	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
Ň	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%. <sup>(1)</sup>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. <sup>(2)</sup> Based on 200N/tonne rolling resistance on a level dry surface

### PLATFORM

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

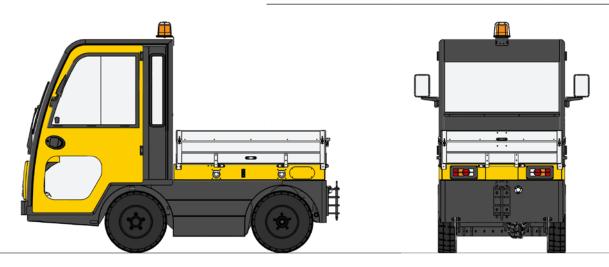
BODY CODE	-01	
	Length	1386mm
DIMENSIONS	Width	1098mm
	Platform Height	816mm
	Un-cabbed	T1201-01
MODEL CODE	Cab No Doors	T1202-01
MODEL CODE	Cab PVC Doors	T1203-01
_	Cab Slam Doors	T1204-01



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



CAGE BODY	BODY CODE	-03	
Steel 25mm mesh cage body		Length (Internal)	1286mm
Twin rear opening doors	DIMENSIONS	Width (Internal)	1018mm
<ul> <li>Half drop down top section to both sides</li> </ul>		Height	1140mm
Resin coated anti-slip plywood deck		Rear Loading Height	866mm
Four side flush lashing points fitted to body		Un-cabbed	T1201-03
	MODEL CODE	Cab No Doors	T1202-03
		Cab PVC Doors	T1203-03
		Cab Slam Doors	T1204-03

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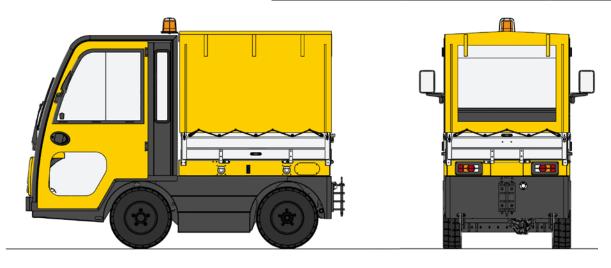
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#### ALUMINIUM PICK-UP PVC COVER

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

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## **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

