



T800

8 TONNE TOW TRACTOR

48 VOLT AC CONTROLLER

CABBED & UN-CABBED

4 WHEELS

BRADSHAW
ELECTRIC • VEHICLES

FEATURES

CAB OPTIONS

- Un-cabbed
- Steel cab no doors
- Steel cab PVC roll up weather proof doors (model Shown)
- Steel cab lockable slam metal doors

AMBER BEACON

- Standard amber flashing beacon mounted on pole or cab

VISIBILITY

- Excellent all-round visibility with large rear windscreen

INCHING BUTTONS

- External inching control to assist driver with trailer hitching

FOUR WHEELS

- 4-wheel configuration for improved stability over uneven surfaces

ROBUST & DURABLE

- Solid frame construction and reliable components ensure long-term reliability and durability

ERGONOMICS

- Easy access with a low "single" step offering wider floor area
- High level driver control
- Comfortable suspension seat
- Vertical battery extraction as standard and optional side access battery door
- Reduced torque steering input
- Power assisted steering on 4-wheel model

FIVE INDIVIDUAL 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





1



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BATTERY ACCESS

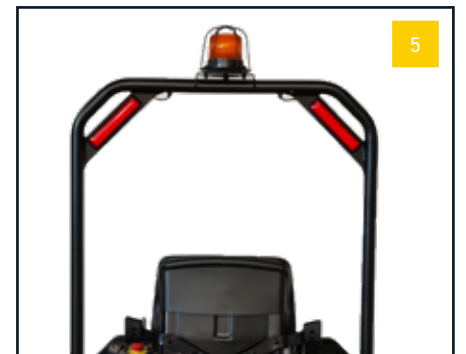
1. Optional side access battery change. Side door fitted with proximity switch, battery security lock
2. Lift up seat for battery removal



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4



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LIGHTING

3. Standard Lighting includes single headlight, twin tail and brake lights. Lighting upgrade includes, Side lights, Indicators, Hazard warning lights, Single reverse light and 7 pin trailer socket
4. Cabbed model includes high level rear lighting
5. Uncabbed model includes high level rear lighting and robust bar



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TOW HITCH

6. Standard 20mm pin multi jaw tow hitch with three coupling heights. Various optional tow hitches available to suit a wide number of applications



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CARGO TRAY

7. Aluminium chequer plate cargo tray with 200kg payload

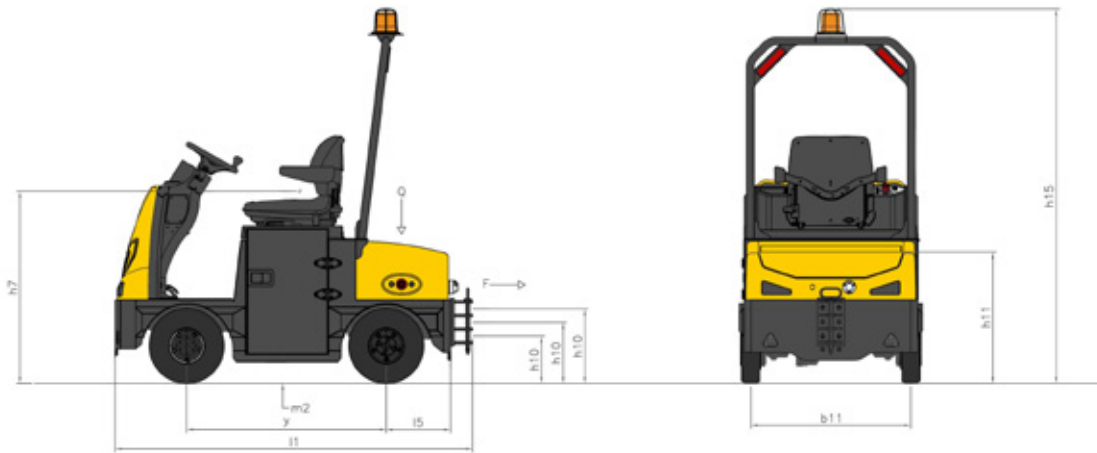
STANDARD EQUIPMENT & OPTIONS

	MODEL	T800
VEHICLE OVERVIEW	Configuration	4 wheel
	Power unit: 48 volt AC controller	•
	Tow load capacity	8000kg
	Payload capacity	200kg
	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 240Ah lead acid (24 x 3PzS240). Fork pockets fabricated into the battery box	○
	48v 315Ah lead acid (24 x 3PzS315). Fork pockets fabricated into the battery box	○
	48v 375Ah lead acid (24 x 3PzS375). Flat bottom battery box for use with or without optional rollers (Side access model only)	○
	48v 255Ah gel maintenance free (24 x 3PzV255). Fork pockets fabricated into the battery box	○
	Side access battery change. Side door fitted with proximity switch, battery security lock. • Largest battery for side extraction by use of an FLT, 48v 315Ah • Largest battery for side extraction by roller bed 48v 375Ah	○
	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		•
LIGHTING / ACCESSORIES	Single headlight, twin tail and brake lights	•
	Lighting upgrade includes • Twin LED headlight • Side lights • Twin tail and brake lights • Indicators • Hazard warning lights • Single 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 8-14kph - 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	○

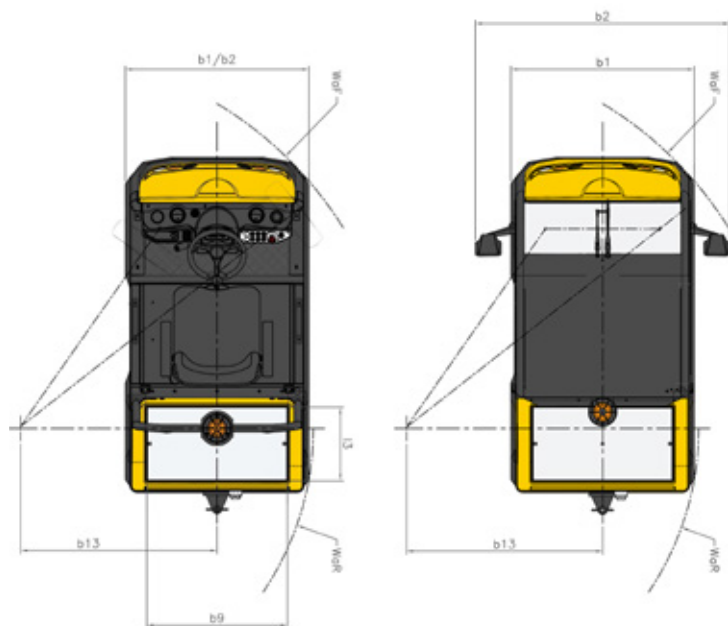
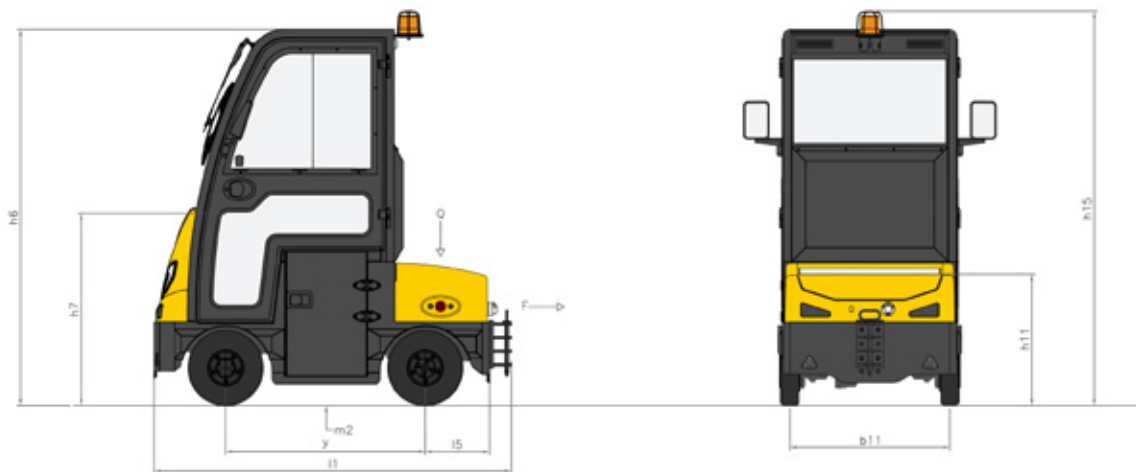
	MODEL	T800
TYRES	15 x 4.5 x 8 (PPS) pneumatic profiled soft solid puncture proof	●
	15 x 4.5 x 8 pneumatic	○
	15 x 4.5 x 8 (PPS) pneumatic profiled soft solid puncture proof non marking	○
TOW HITCH / FEATURES	No tow hitch fitted	○
	20mm pin multi jaw tow hitch	●
	25mm pin multi jaw tow hitch	○
	40mm 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 front tow hitch	○
	Front two jaw 40mm pin front tow hitch	○
	Tow hitch specific for site requirement	○
	Inching buttons on rear near side of vehicle	●
CAB	Un-cabbed	○
	Steel cab no doors	○
	Steel cab PVC roll up weather proof doors	○
	Steel cab lockable slam metal doors	○
	Front wiper (cab option only)	●
	Screen wash system for front screen only (cab option only)	○
	Electric heater with 3 directional nozzles and 3 speed blower (available on T804 only)	○
	Electric heater with 3 directional nozzles and 3 speed blower for bench seat option (available on T804 only)	○
SEATING	Single semi-suspension driver's seat complete with fold down armrest	●
	Upgraded to full suspension vinyl drivers seat with arm rests	○
	Upgraded to cloth drivers seat with arm rests	○
	Inertia lap seat belt	○
	High visibility inertia lap seat belt fitted with interlock	○
	Sprung bench seat. Steering wheel offset to left hand side, including foot operated safety switch	○
	Twin inertia lap seat belts for use with bench seat (interlock option not available)	○
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	Aluminium chequer plate cargo tray. Dimensions (LxW mm)	765 x 400
	Payload capacity	200kg
MISC	1kg dry powder fire extinguisher	○
	Category L registered for road. Must be ordered in conjunction with lighting upgrade. 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. (available on T804 only)	○

TECHNICAL SPECIFICATIONS

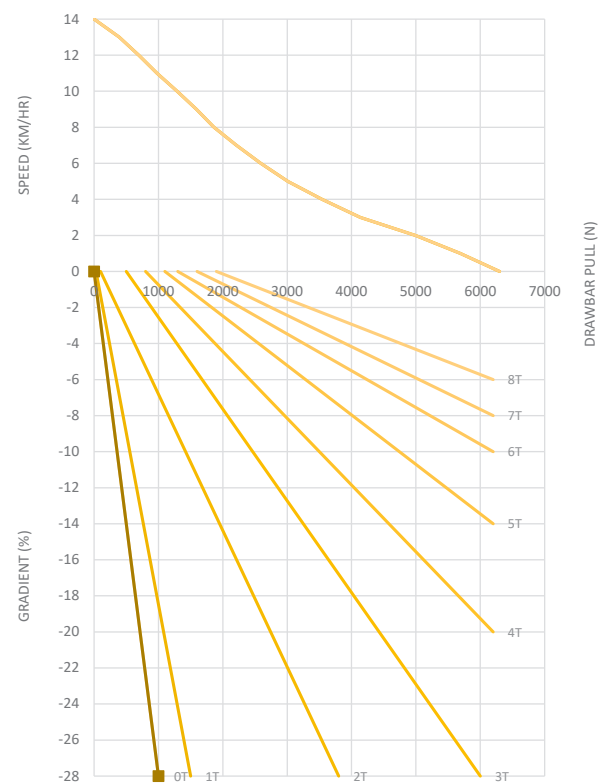
T801-01 UN-CABBED TOW TRACTOR



T804-01 - CABBED TOW TRACTOR



PERFORMANCE CHART



TECHNICAL DATA

VDI 2198	TECHNICAL FEATURES		T801-01	T804-01
DISTINGUISHING MARK	1.1	Manufacturer (abbreviation)	BEV	BEV
	1.2	Manufacturer's type designation	T801-01	T804-01
	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 tow capacity ⁽¹⁾	Q (t)	8.0
	1.7	Rated drawbar pull ⁽²⁾	F (N)	1600
	1.9	Wheelbase	y (mm)	1090
WHEELS / TYRES	3.1	Tyres: SE=Pneumatic Shape Solid, SC=Supercushion	SE / SC	SE / SC
	3.2	Tyre size, front	ø x width (mm)	410 x 98
	3.3	Tyre size, rear	ø x width (mm)	410 x 98
	3.5	Wheels, number front / rear (x = driven wheels)	2 / 2X	2 / 2X
	3.6	Tread / track, front	b 10 (mm)	879
	3.7	Tread / track, rear	b 11 (mm)	879
	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 including beacon	h 1 (mm)	2035
	4.7	Height of overhead cab excluding beacon	h 6 (mm)	-
	4.8	Seat height relating to SIP / stand height	h 7 (mm)	1063
	4.12	Coupling height	h 10 (mm)	274 / 348 / 422
	4.13	Loading height, unladen	h 11 (mm)	731
	4.16	Length of loading surface	l 3 (mm)	401
	4.17	Overhang	l 5 (mm)	350
	4.18	Width of loading surface	b 9 (mm)	765
	4.19	Overall length	l 1 (mm)	1950
	4.21	Overall width	b 1 / b 2 (mm)	1000
	4.32	Ground clearance, centre of wheelbase	m 2 (mm)	130
	4.35	Turning radius	W a F (mm)	2071
	4.35	Turning radius	W a R (mm)	1595
4.36	Internal turning radius	b 13 (mm)	1070	
PERFORMANCE	5.1	Travel speed, laden / unladen	km/h	11 / 14
	5.1.1	Travel speed, laden / unladen, backwards	km/h	5
	5.5	Drawbar pull, laden / unladen (60 minute rating @ 5kph)	N	3200
	5.6	Max drawbar pull, laden / unladen	N	6300
	5.8	Max. gradeability, laden / unladen	%	6 / 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)	59.3

BATTERY SIZE & VEHICLE WEIGHTS			T801-01 UN-CABBED				T804-01 CABBED			
BATTERY		Battery type	Lead	Lead	Lead	Gel MF	Lead	Lead	Lead	Gel MF
	6.1	Drive motor S2 60 minute rating (kW)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
	6.4	Battery voltage (V/Ah)	48 / 240	48 / 315	48 / 375	48 / 255	48 / 240	48 / 315	48 / 375	48 / 255
	6.5	Battery weight (kg)	450	565	600	491	450	565	600	491
WEIGHTS	2.1.1	Service weight excluding battery (kg)	670	670	670	670	835	835	835	835
	2.1.0	Service weight including battery (kg)	1120	1235	1270	1161	1285	1400	1435	1326
	2.3	Axle loading, unladen front / rear (kg)	497 / 624	555 / 681	572 / 699	518 / 644	609 / 696	667 / 753	684 / 771	630 / 716

NOTE
 These values may vary +/- 5%. ⁽¹⁾ It is our recommendation that braked trailers are used for trailer loads exceeding 3000kg 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.



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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 may be fitted with optional equipment or accessories that are available at extra cost.

This brochure supersedes all previous publications.
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