



PT50

500kg Pedestrian Tow Tractor

250kg Payload

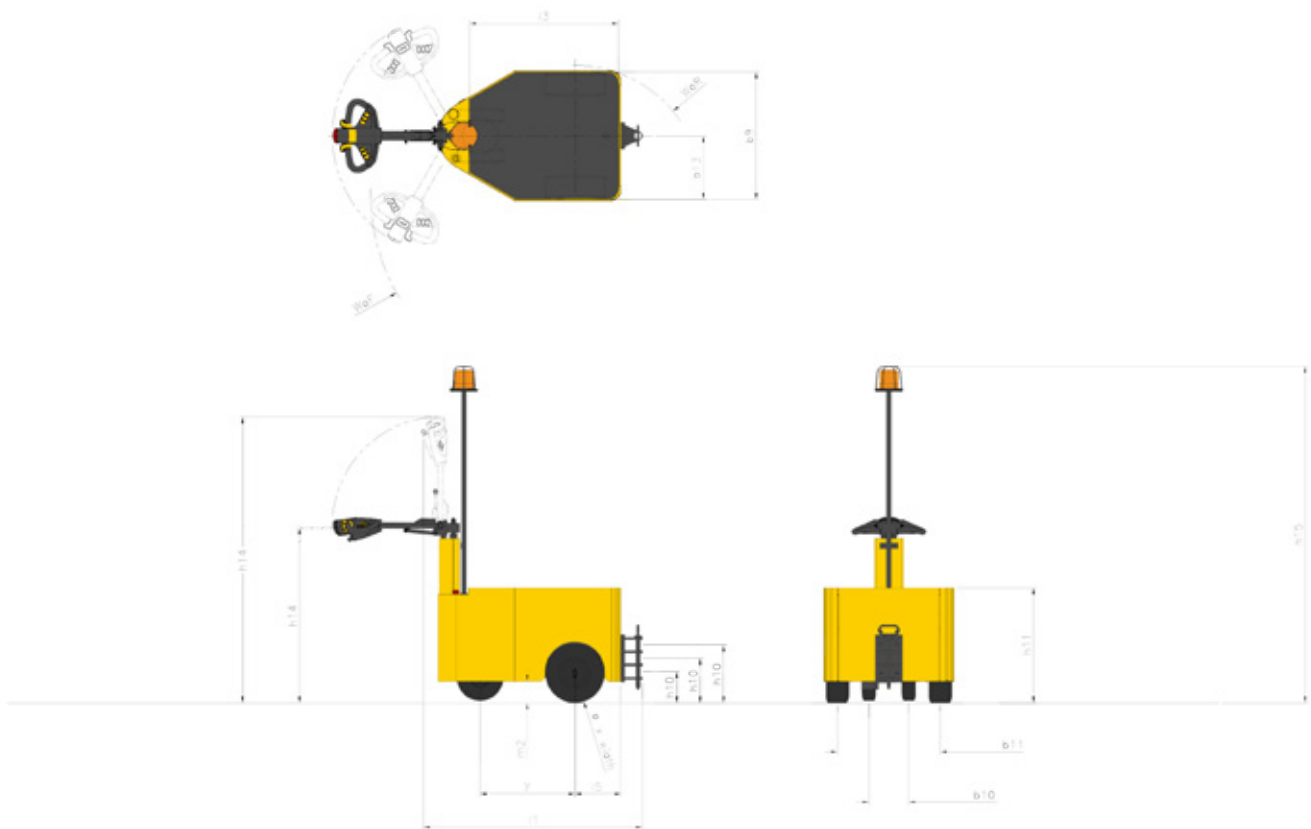
24 volt DC controller

3 Wheels

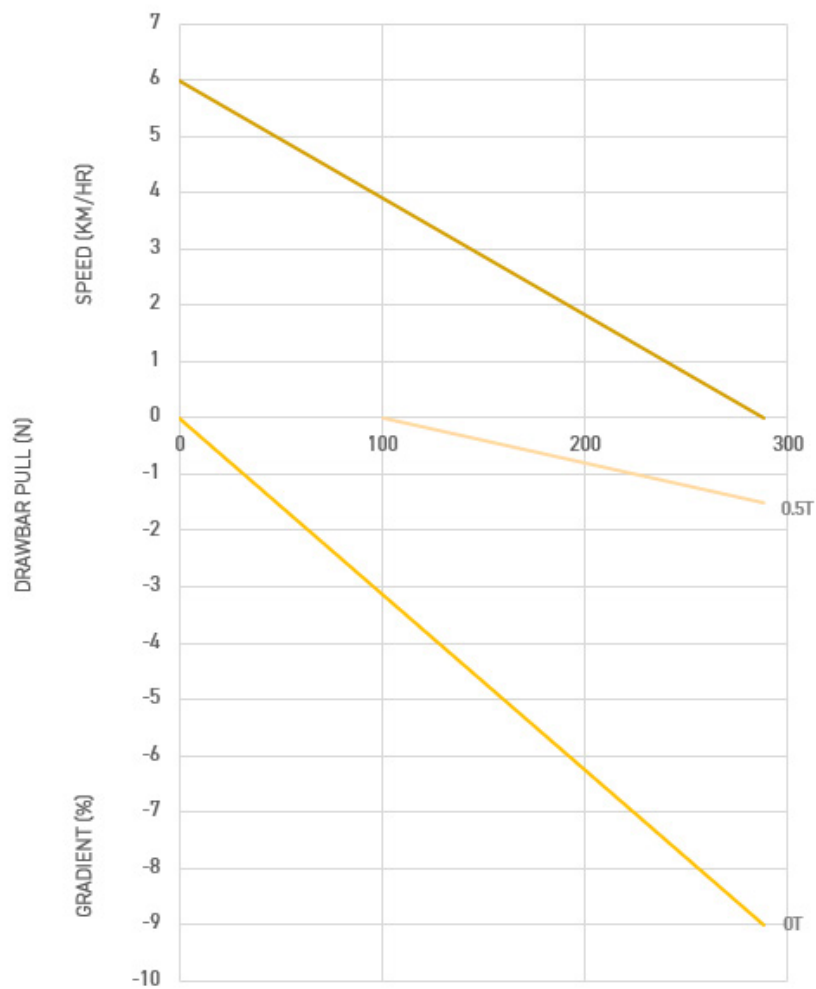
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TECHNICAL SPECIFICATIONS

PT50-01 - PEDESTRIAN TOW TRACTOR



PERFORMANCE CHART



TECHNICAL DATA

VDI 2198	TECHNICAL FEATURES			PT50-01
DISTINGUISHING MARK	1.1	Manufacturer (abbreviation)		BEV
	1.2	Manufacturer's type designation		PT50-01
	1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas		Battery
	1.4	Operator type: hand, pedestrian, standing, seated, order-picker		Pedestrian
	1.5	Rated capacity / Rated load	Q (t)	0.5 / 0.25
	1.7	Rated drawbar pull	F (N)	100
	1.9	Wheelbase	y (mm)	529
WHEELS / TYRES	3.1	Tyres: P=Pneumatic		P
	3.2	Tyre size, front	ø x width (mm)	260 x 85
	3.3	Tyre size, rear	ø x width (mm)	330 x 110
	3.5	Wheels, number front / rear (x = driven wheels)		2 / 2X
	3.6	Tread, front	b 10 (mm)	222
	3.7	Tread, rear	b 11 (mm)	573
	3.9	Wheels braked service brake, number		2 x Rear
	3.10	Wheels braked parking brake		2 x Rear
DIMENSIONS	4.2	Overall height	h 15 (mm)	1876
	4.2.2	Tiller working height	h 14 (mm)	1050
	4.2.3	Tiller resting height	h 14 (mm)	1580
	4.12	Coupling height	h 10 (mm)	174 / 248 / 322
	4.13	Loading height, unladen	h 11 (mm)	640
	4.16	Length of loading surface	l 3 (mm)	830
	4.17	Overhang	l 5 (mm)	256
	4.18	Width of loading surface	b 9 (mm)	710
	4.19	Overall length	l 1 (mm)	1112
	4.21	Overall width	b 1 / b 2 (mm)	725
	4.21.1	Overall width across chassis	b 1 (mm)	725
	4.32	Ground clearance, centre of wheelbase	m 2 (mm)	120
	4.35	Turning radius	W a F (mm)	1139
	4.35	Turning radius	W a R (mm)	715
	4.36	Internal turning radius	b 13 (mm)	355
PERFORMANCE	5.1	Travel speed, laden / unladen	km/h	3 / 6
	5.6	Max drawbar pull, laden / unladen	N	288
	5.8	Max. gradeability, laden / unladen	%	2 / 10
	5.10	Service brake		Electro Magnetic Brake on Motor
DRIVE	8.1	Type of drive unit		AC Controller
	8.10	Transfer of power		Helical Gears
	8.11	Service brake		Electric Magnetic Brake on Motor
	8.12	Parking brake		Electro Magnetic Brake on Motor
MISC	10.7	Sound pressure level at the driver's seat	dB (A)	55

BATTERY SIZE & VEHICLE WEIGHTS			T2501-01 UN-CABBED	
BATTERY		Battery type	Lead	Gel MF
	6.1	Drive motor S2 60 minute rating (kW)	0.375	0.375
	6.4	Battery voltage (V/Ah)	24 / 185	24 / 154
	6.5	Battery weight (kg)	116	124
WEIGHTS	2.1.1	Service weight excluding battery (kg)	208	208
	2.1.0	Service weight including battery (kg)	325	333
	2.3	Axle loading, unladen front / rear (kg)	90 / 235	92 / 241

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.

Standard Equipment & Options

	MODEL	PT50
VEHICLE OVERVIEW	Configuration	3 wheel
	Power unit: 24 volt DC controller	•
	Payload capacity	250kg
	Tow load capacity	500kg
	Welded steel chassis, painted	•
	Rear drive axle with limited slip differential	•
	Standard ambient operating temperatures -10 to +40	•
BATTERIES	24v 185Ah lead acid (4 x 6volt monobloc linked in series)	○
	24v 154Ah gel maintenance free (4 x 6 volt monobloc linked in series)	○
BRAKING	Electronic regenerative braking under deceleration	•
	Dynamic speed sensing to prevent over-speeding in all driving conditions	•
	Automatically applied transmission parking brake	•
LIGHTING / ACCESSORIES	Lighting option includes <ul style="list-style-type: none"> • Twin front side lights • Twin tail and brake lights • Indicators • Hazard warning lights • Reverse light • 7 pin trailer socket 	○
	Amber flashing beacon mounted on pole / body	•
	Blue spot warning light - rear only	○
	Rear mounted 24 volt working light	○
CONTROLS / AUDIBLE WARNINGS	Robust ergonomically designed IP rated tiller head unit	•
	Maximum speed can be pre-set to a maximum of 6.0 kph (Please specify speed setting at time of order)	•
	High / Low speed switch on tiller head (Please specify speed settings at time of order)	○
	Body protection switch fitted to tiller head	•
	Emergency stop button	•
	Horn	•
	Automatic audible warning in reverse	•
Automatic white noise audible warning in forward	○	
INSTRUMENTS	Battery discharge indicator	•
	Hour meter	•
	Keypad in place of standard key switch	○
TYRES	Pneumatic	•
	Foam filled puncture proof	○
	Foam filled puncture proof non marking	○
TOW HITCH	No tow hitch fitted	○
	20mm pin multi jaw tow hitch	•
	25mm pin multi jaw tow hitch	○
	Combined 50mm ball and 25mm single jaw	○
	50mm ball adapter fits in any one of the three jaws on the standard tow hitch	○
	Tow hitch specific for site requirement	○
LOAD BED	Plywood deck board	•
	Standard Dimensions (LxWxH mm)	990 x 680 x 580
	Removable aluminium platform overlay	○
MISC	1kg dry powder fire extinguisher	○
COLOUR	Chassis / panels: Safety Yellow BS356	•
	Custom colour. Panels to customer's single colour specification. RAL number to be supplied at time of order	○



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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.
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