



PT400

4 Tonne Pedestrian Tow Tractor

500kg Payload

24 volt AC controller

3 Wheels

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STANDARD EQUIPMENT & OPTIONS

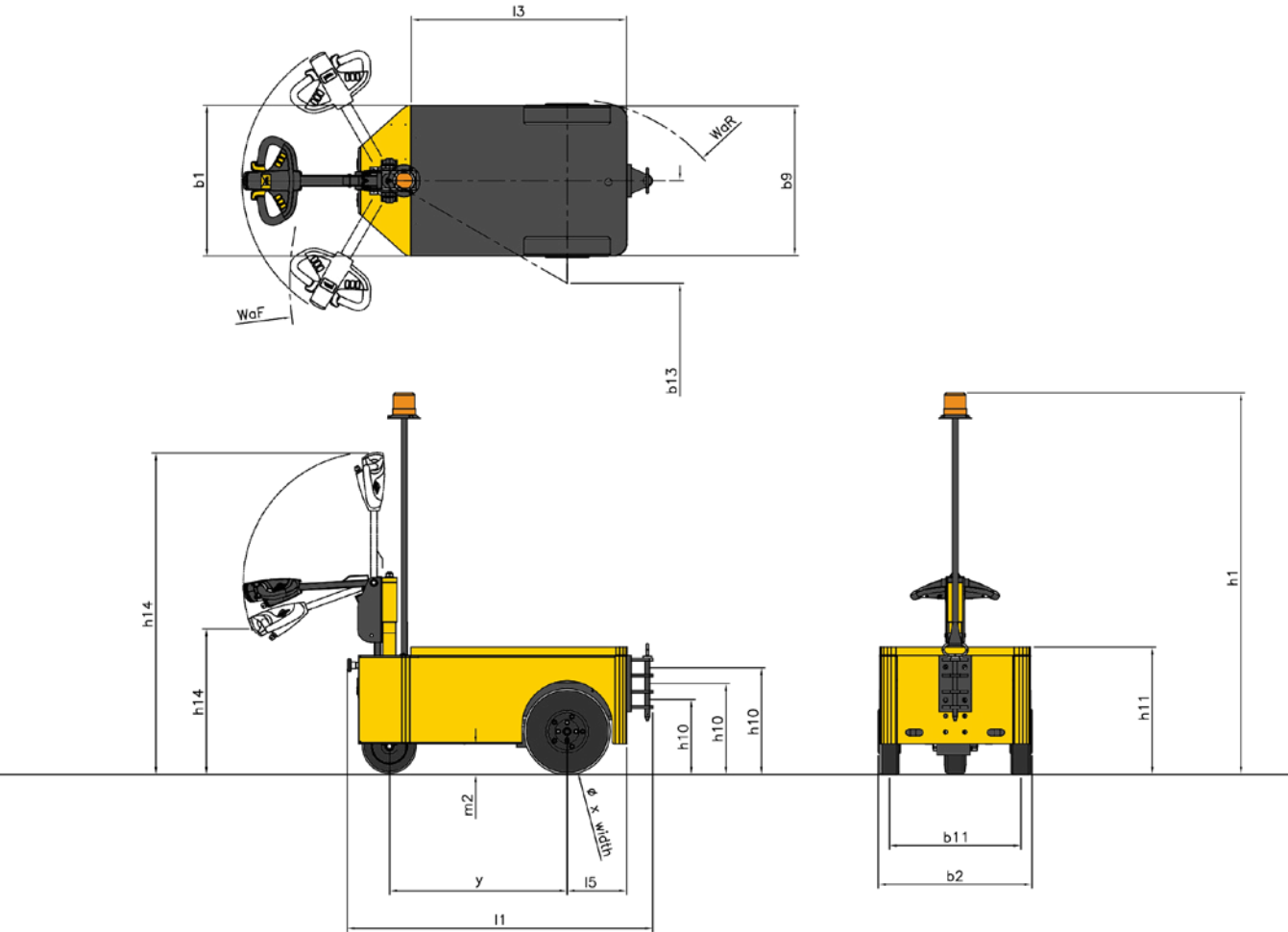
	MODEL	PT400
VEHICLE OVERVIEW	Configuration	3 wheel
	Power unit: 24 volt AC controller	•
	Tow load capacity	4000kg
	Payload capacity	500kg
	Welded steel chassis, painted	•
	Rear drive axle with limited slip differential	•
	Standard ambient operating temperatures -10 to +40	•
BATTERIES	24v 185Ah lead acid (4 x 6 volt monobloc linked in series)	○
	24v 240Ah lead acid (12 x 4PzS240)	○
	24v 220Ah gel maintenance free battery (12 x 4PzV220)	○
	Battery fill system (BFS) and low electrolyte level indicator (Blinky) (240Ah lead acid only)	○
	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	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	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	•
	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)	•
	Speed limit potentiometer fitted to tiller head	○
	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	•
INSTRUMENTS	Battery discharge indicator	•
	Hour meter	•
	Keypad in place of standard key switch	○
TYRES	Front: Solid front wheel assembly Rear: 4.00 x 8 (PPS) pneumatic profiled soft solid puncture proof	•
	Front: Solid front wheel assembly Rear: 4.00 x 8 Pneumatic	○
	Front: Solid front wheel assembly Rear: 4.00 x 8 (PPS) pneumatic profiled soft solid puncture proof non marking	○

	MODEL	PT400
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	●
	Payload capacity	500kg
	Standard Dimensions (LxWxH mm) see option line below	1005 x 700 x 585
	Extended load bed option available	○
	Two lashing rings per side	○
	Pick-up - drop in steel punched sides	○
	Cage body - 750mm high, 25mm mesh cage body	○
	PVC cover - 750mm high over steel punched sides	○
	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	○

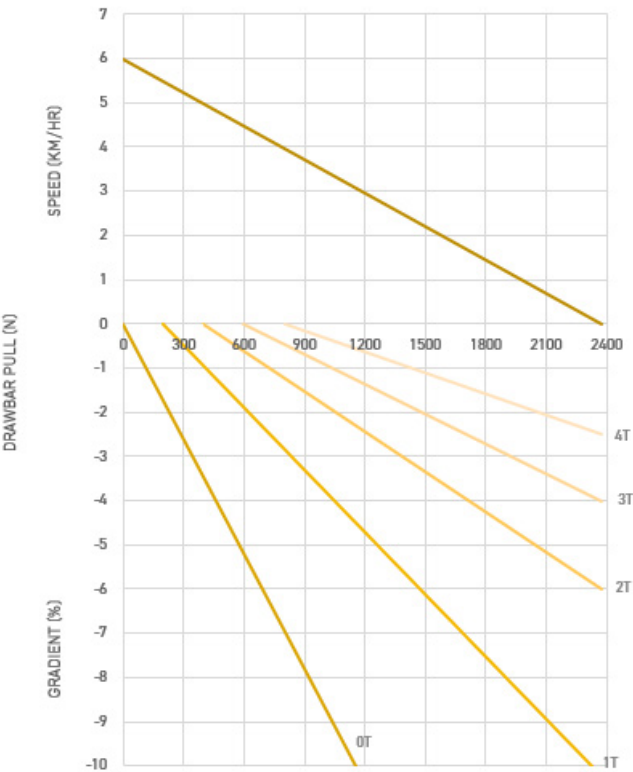


TECHNICAL SPECIFICATIONS

PT401-01 PEDESTRIAN TOW TRACTOR



PERFORMANCE CHART



TECHNICAL DATA

VDI 2198			TECHNICAL FEATURES		PT400-01
DISTINGUISHING MARK	1.1	Manufacturer (abbreviation)			BEV
	1.2	Manufacturer's type designation			PT400-01
	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: tow / load	Q (t)		4 / 0.5
	1.7	Rated drawbar pull	F (N)		800
	1.9	Wheelbase	y (mm)		825
WHEELS / TYRES	3.1	Tyres: P=Pneumatic, C=Cushion, SC=Supercushion			P
	3.2	Tyre size, front	ø x width (mm)		254 x 102
	3.3	Tyre size, rear	ø x width (mm)		404 x 104
	3.5	Wheels, number front / rear (x = driven wheels)			1 / 2X
	3.7	Tread, rear	b 11 (mm)		611
	3.9	Wheels braked service brake, number			2 x Rear
	3.10	Wheels braked parking brake			2 x Rear
DIMENSIONS	4.2.0	Overall height	h 1 (mm)		1773
	4.12	Coupling height	h 10 (mm)		349 / 423 / 497
	4.13	Loading height, unladen	h 11 (mm)		593
	4.16	Length of loading surface	l 3 (mm)		1000
	4.17	Overhang	l 5 (mm)		278
	4.18	Width of loading surface	b 9 (mm)		693
	4.19	Overall length	l 1 (mm)		1419
	4.21.1	Overall width across chassis	b 1 (mm)		700
	4.21.2	Overall width across all	b 2 (mm)		714
	4.32	Ground clearance, centre of wheelbase	m 2 (mm)		143
	4.35	Turning radius	W a F (mm)		1289
	4.35	Turning radius	W a R (mm)		857
	4.36	Internal turning radius	b 13 (mm)		476
PERFORMANCE	5.1	Travel speed, laden / unladen	km/h		2 / 6
	5.5	Drawbar pull, laden / unladen	N		1600
	5.6	Max drawbar pull, laden / unladen	N		2380
	5.8	Max. gradeability, laden / unladen	%		3 / 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				PT400-01		
BATTERY		Battery type		Lead	Lead	Gel MF
	6.1	Drive motor S2 60 minute rating	(kW)	2.5	2.5	2.5
	6.4	Battery voltage	(V/Ah)	24 / 185	24 / 240	24 / 220
	6.5	Battery weight	(kg)	116	235	188
WEIGHTS	2.1.1	Service weight excluding battery	(kg)	368	368	368
	2.1.0	Service weight including battery	(kg)	484	603	556
	2.3	Axle loading, unladen front / rear	(kg)	178 / 306	247 / 356	220 / 336

NOTE
These values may vary +/- 5%. ⁽¹⁾ It is our recommendation that braked trailers are used for trailer loads exceeding 800kg 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 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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