



PT2500

Remote Controlled Articulated Trailer Mover

6,000kg payload capacity

25,000kg tow capacity

80 volt AC controller

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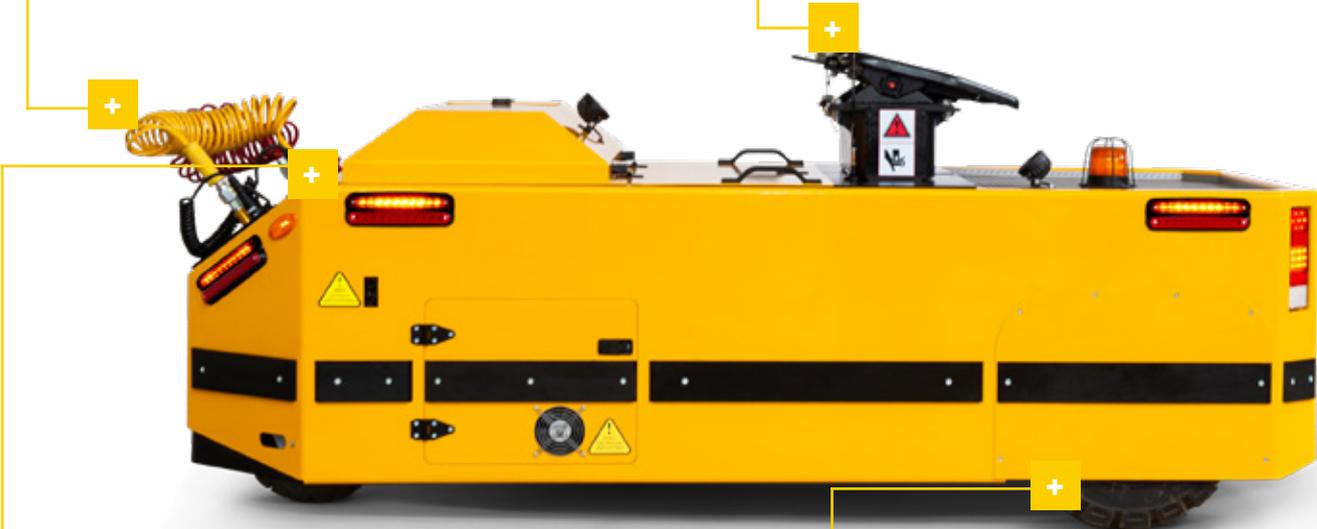
FEATURES

TRAILER BRAKE OPERATION

- Built in air compressor system to operate trailer brakes
- Trailer brakes released when trailer mover traction activated
- Trailer brakes operate in conjunction with the vehicle
- E-stop activates trailer and tractor brakes

TRAILER COUPLING

- Pivoting JOST fifth wheel coupling for HGV fifth wheel 2" kingpin
- 6000kg capacity hydraulically powered column lift
- Height range 1168mm to 1418mm from ground level to bottom of trailer
- Kingpin retained in socket with hand operated lock release
- Traction speed limit switch allows pre-set coupling speed

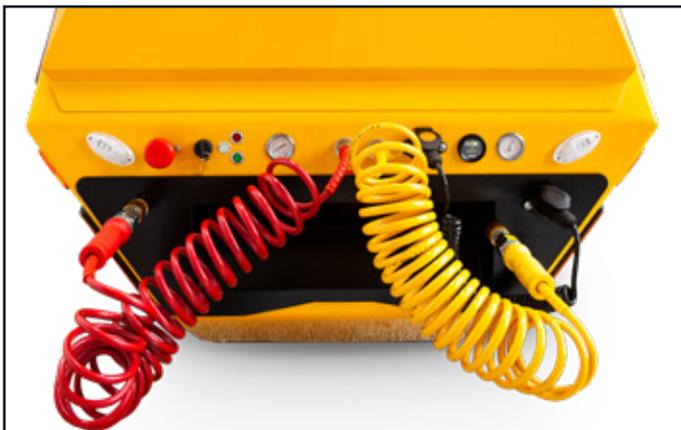


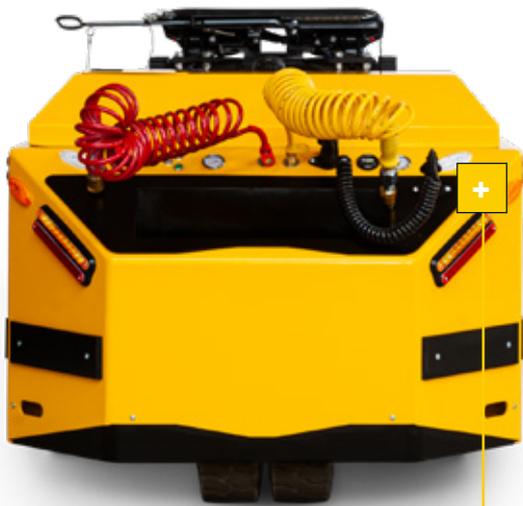
VEHICLE INSTRUMENTS AND CONTROLS

- On / off key switch
- Battery charge level indicator
- Primary air pressure gauge showing PT2500 air tank air pressure
- Secondary air pressure gauge to show emergency line air pressure
- Emergency line air pressure control button
- Illuminated panel indicator to show brake on or brake off
- Heavy duty air suzie coils incorporating self-sealing valve and "C" coupling
- Electrical suzi coil fitted with 7-pin trailer socket
- Emergency stop button
- Remote control NiMH battery charging station
- Forward & reverse traction motion audible buzzer
- Charge point

BRAKING SYSTEMS

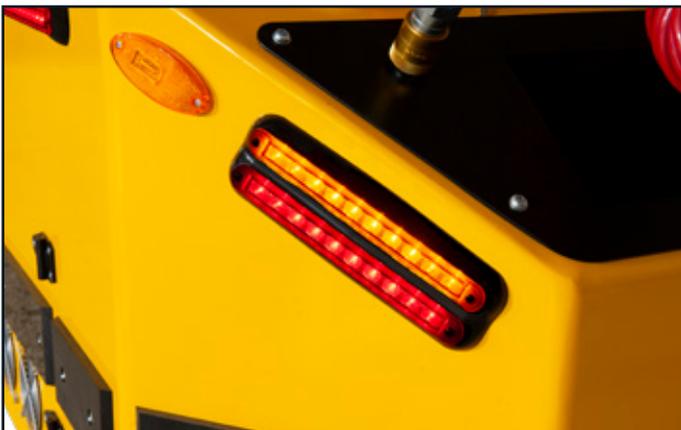
- Electronic regenerative braking under deceleration
- Dynamic speed sensing to prevent over-speeding
- Automatic hill hold
- Automatic applied transmission parking brake





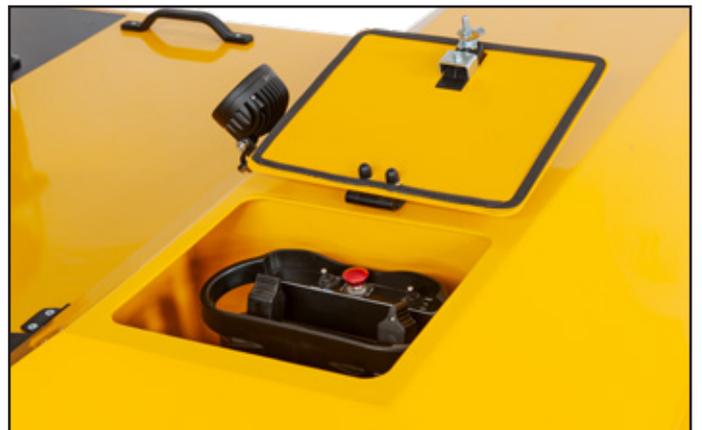
LIGHTS

- Twin front side marker lights
- Twin tail and brake lights
- Twin reverse lights
- Hazard warning lights
- Amber running strip lights
- Red strip lights indicate vehicle warnings & RC out of range
- 24v 7 pin trailer socket to operate trailer lighting
- Twin working lights to illuminate fifth wheel coupling, operated via RC
- Amber flashing beacon



REMOTE CONTROL

- Magnetek MLTX2 bellybox wireless transmitter
- Remote control connect toggle switch
- Emergency stop button
- Traction forward/reverse control paddle
- Steer left/right control paddle
- Graphic display for remote control battery level and signal strength
- Working light on/off push button
- Horn button
- JOST fifth wheel mast lift/lower toggle switch
- NiMH rechargeable battery packs x2
- Onboard remote control battery charger
- Support strap



STANDARD EQUIPMENT & OPTIONS

	MODEL	PT2500
VEHICLE OVERVIEW	Configuration	4 wheel
	Power unit: 80 volt AC controller	•
	Tow load capacity	25000kg
	Fifth wheel lift capacity	6000kg
	Welded steel chassis, powder coated	•
	Rear drive axle with limited slip differential	•
	Standard ambient operating temperatures -10 to +40	•
BATTERIES	80v 210Ah lead acid (40 x 2PzS210)	•
	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	Electronic regenerative braking under deceleration	•
	Dynamic speed sensing to prevent over speed	•
	Automatically applied transmission parking brake	•
LIGHTING / ACCESSORIES	Lighting includes <ul style="list-style-type: none"> • Twin front side marker lights • Twin tail and brake lights • Twin reverse lights • Hazard warning lights • Amber running strip lights • Red strip lights indicate vehicle warnings & RC out of range • 24v 7 pin trailer socket to operate trailer lighting 	•
	Two 24v working lights to illuminate fifth wheel coupling	•
	Amber LED hazard warning lights to front, rear and sides of the unit	•
	Amber flashing beacon	•
	Front & rear working lights	○
	Blue spot warning light - rear only	○
CONTROLS / AUDIBLE WARNINGS	Maximum speed can be pre-set to a maximum of 6.0 kph. Please specify speed setting at time of order	•
	Maximum speed limiter. Speed limited for trailer coupling when mast raised	•
	Emergency stop button on vehicle and remote control	•
	Horn via remote control	•
	Automatic audible warning in forward & reverse	•
	Automatic white noise audible warning in forward	○
INSTRUMENTS	Battery discharge indicator	•
	Hour meter	•
	Keypad in place of standard key switch	○
TYRES	Front: Solid twin wheel assembly Rear: (PPS) pneumatic profiled soft solid puncture proof	•

	MODEL	PT2500
TOW HITCH	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	○
	50mm ball adapter fits in any one of the three jaws on the standard tow hitch	○
	Tow hitch specific for site requirement	○
5TH WHEEL	Pivoting JOST JSK26D fifth wheel coupling 2" pin	•
	Hydraulically powered column lift capacity	6000kg
	Height range from ground level to bottom of trailer	1168mm to 1418mm
	Hand operated release lever	•
TRAILER AIR BRAKE SYSTEM	Air brake system to operate trailer brakes <ul style="list-style-type: none"> • Built in air compressor system • Air tanks • Air dryer • Air couplings: emergency line & service line • Emergency dump allows operator to activate trailer air brakes via remote control 	•
MISC	Magnetic twin mounted trailer cameras <ul style="list-style-type: none"> • 7" Colour PAP-PIP Monitor • Water Resistant • Cold store ready • 18-32v input • 102° FAMOS CCC Camera • Spiral cable 4.5 metre • Magnetic mounting brackets, split screen PIP POP monitor. 	○
	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	○

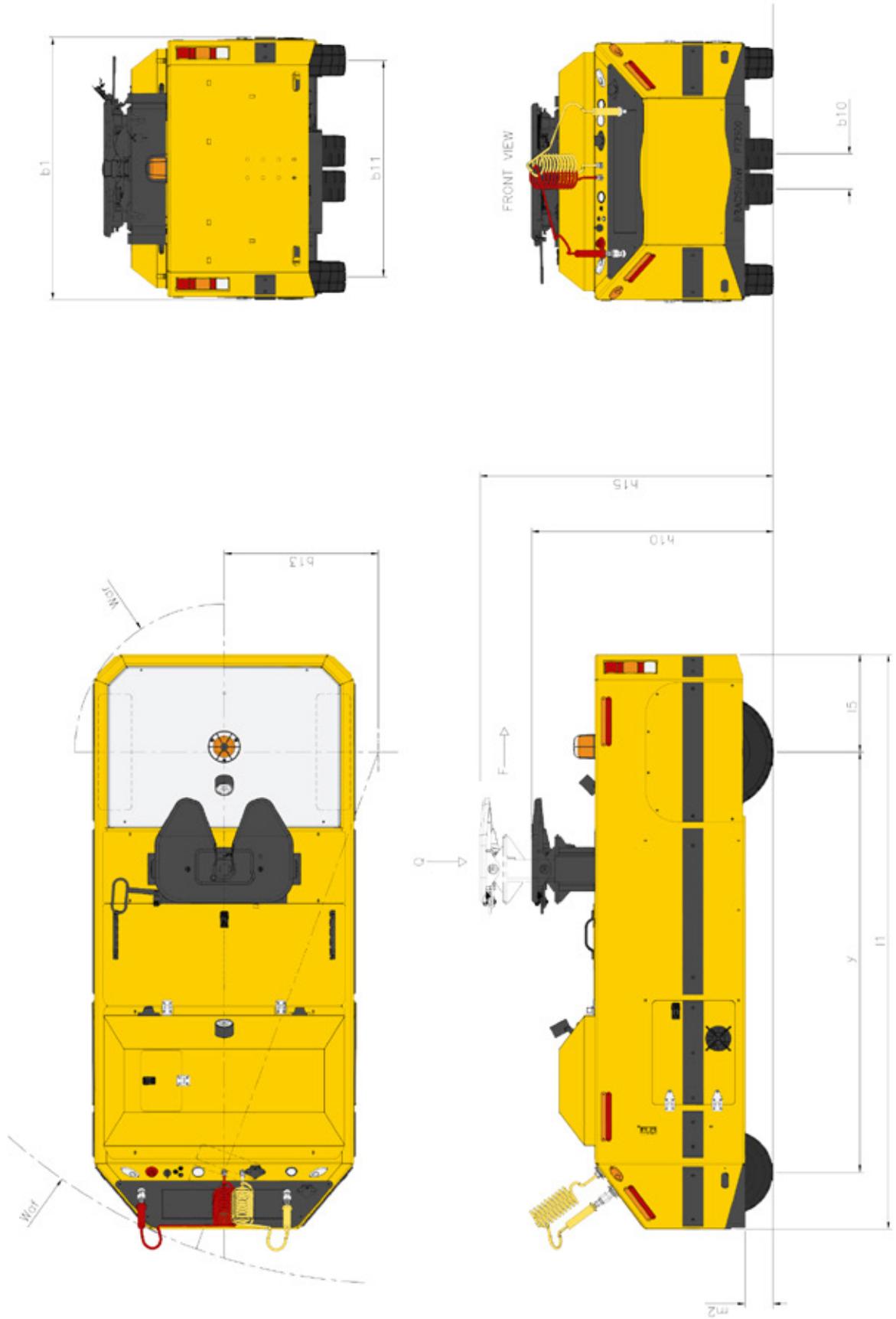
Standard • | Optional ○



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TECHNICAL SPECIFICATIONS

PT2500-01 ARTICULATED TRAILER MOVER



TECHNICAL DATA

VDI 2198	TECHNICAL FEATURES		PT2500-01	
DISTINGUISHING MARK	1.1	Manufacturer (abbreviation)	BEV	
	1.2	Manufacturer's type designation	PT2500	
	1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas	Battery	
	1.4	Operator type: hand, pedestrian, standing, seated	Remote Control	
	1.5	Rated capacity / Rated load	Q (t)	25 / 6
	1.7	Rated drawbar pull	F (N)	5000
	1.9	Wheelbase	y (mm)	2046
WHEELS / TYRES	3.1	Tyres: V=Solid, SE=Pneumatic Shape Solid	V Front / SE Rear	
	3.2	Tyre size, front	ø x width (mm)	406 x 152
	3.3	Tyre size, rear	ø x width (mm)	566 x 153
	3.5	Wheels, number front / rear (x = driven wheels)		2 / 2X
	3.6	Tread / track, front	b 10 (mm)	171
	3.7	Tread / track, rear	b 11 (mm)	1054
	3.9	Wheels braked service brake, number		2 x Rear
	3.10	Wheels braked parking brake		2 x Rear
DIMENSIONS	4.2.1	Overall height	h 15 (mm)	1418
	4.12	Coupling height	h 10 (mm)	1168
	4.17	Overhang	l 5 (mm)	475
	4.19	Overall length	l 1 (mm)	2798
	4.21	Overall width	b 1 / b 2 (mm)	1278
	4.21.1	Overall width across chassis	b 1 (mm)	1278
	4.21.2	Overall width across all	b 2 (mm)	1278
	4.32	Ground clearance, centre of wheelbase	m 2 (mm)	133
	4.35	Turning radius	W a F (mm)	2773
	4.35	Turning radius	W a R (mm)	721
	4.36	Internal turning radius	b 13 (mm)	745
PERFORMANCE	5.1	Travel speed, laden / unladen	km/h	6 / 6
	5.1.1	Travel speed, laden / unladen, backwards	km/h	6 / 6
	5.5	Drawbar pull, laden / unladen	N	5000
	5.6	Max drawbar pull, laden / unladen	N	14000
	5.8	Max. gradeability, laden / unladen	%	5 / 12
	5.10	Service brake		Electric Regen
DRIVE	8.1	Type of drive unit		A/C motor
	8.10	Transfer of power		Electric
	8.11	Service brake		Electric brake
	8.12	Parking brake		Wet disc brake

BATTERY SIZE & VEHICLE WEIGHTS			PT2500-RC-01
BATTERY		Battery type	Lead Acid
	6.1	Drive motor S2 60 minute rating (kW)	20
	6.4	Battery voltage (V/Ah)	80 / 210
	6.5	Battery weight (kg)	630
WEIGHTS	2.1.1	Service weight excluding battery (kg)	1995
	2.1.0	Service weight including battery (kg)	2625
	2.3	Axle loading, unladen front / rear (kg)	1046 / 1579

NOTE
These values may vary +/- 5%. 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.



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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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