



Platform Truck 3W (Capacity 2000/3000kg)

- MOSFET stepless speed controller & heavy duty contractors.
- Carrying capacity upto 3000kg.
- Pollution free & user friendly.
- Very good tractive force and ramp ability.
- Easy & comfortable to ride.

PLATFORM TRUCK 3W Model: GPT3W-20/30



OPERATOR AREA:

Comfortable seat (with backrest ergonomically) is positioned over the battery cover with easy reach to the steering handle and it has the optimum leg-space (with suitable footrest) for operating the accelerator and brakes. The control switches on the panel are easily visible and accessible.



DRIVE AND TRANSMISSION :

The vehicle is driven by an DC / AC (optional) motor of suitable rating with class 'F' insulation and is powered by suitable traction battery. A two-stage self-contained completely enclosed transmission gear unit is coupled with the motor shaft on one side and directly fitted on to the front wheel on the other side, transmits the power efficiently.



DRIVE CONTROL:

The Microprocessor-based MOSFET controller provides smooth and stepless control of speed and acceleration. The high life cycle contactors, used in the controller circuit, enhance dependability and productivity. Alternatively four-step resistance control can also be provided as an option.



CONTROL PANEL:

The control panel is provided with conveniently located simple controls such as an ON-OFF key switch, forward and reverse switch, emergency power cutoff switch, and battery discharge indicators (LED-type). A battery level indicator with an hour meter display can also be supplied as an option.



CHASSIS:

The chassis frame consists of a robust welded steel frame and a chequered steel plate for a better hold of the load. The bed height of the platform can be low or high depending on the customer's application. The platform can also be of the fixed type (in both high & low platform model) or of the elevating type (in both high & low platform model), suitable for carrying stillages. In the elevating platform model, the platform elevation is achieved by hand lever operated hydraulic pump and hydraulic cylinder. The Motorised platform can also be supplied as an option.



Suspension:

The low Platform model comes with helical coil spring suspension at the front. The high platform model incorporates a helical coil spring (at the front) and the rear suspension, is supported by a leaf spring of adequate resilience and capacity to absorb shocks and vibrations.



Steering:

The directly mounted steering handle with low friction bearings ensures comfortable steering within the narrow aisle. The steering can be operated in the range of 90° on either side. The steering handle is wide enough for the operator to steer the vehicle with little effort.



BRAKES:

Internally expanding foot-operated hydraulic brakes (for high platform model) and mechanical brakes (for the low platform on rear wheels) ensures smooth braking. The parking brake is actuated by a hand-operated lever on the left-hand side of the operator's seat. With AC motor (optional), the regenerative function of the controller provides additional braking during the operation and the truck comes to halt automatically with the removal of the foot from the acceleration pedal.



WHEELS:

Solid rubber-mounted tyres are provided on both drive wheel and the rear axle, for operating over a variety of surface conditions. Non-marking tyres can also be supplied as an option for customer requests.



ACCESSORIES:

The truck comes with head, tail, brake, lamps, and horns as a standard. The truck can also be provided with revolving / flashing lights, reverse buzzer, side indicators, canopy, battery roller bed, and battery changing trolley as an option.



SPECIAL VARIATIONS:

The platform truck can also be provided with elevating / tilting platform and dumper bucket to cater to various needs of the industries. For the machine shop applications, the platform truck can be supplied with Coolant containers for supply and collection of fresh / used coolant for machines. The truck can also be supplied with extended platform length and wider width up to 3000 mm and 2000 mm respectively as an option.



SAFETY:

The parking brake enables the vehicle to park on slopes without any kind of movement. The emergency power cut-off switch isolates the battery from the control panel to prevent any situation in an emergency. Safety accessories like revolving / flashing lights, reverse buzzer, side indicators, and canopy can also be supplied with the truck as an option.



SERVICING:

The modular service-friendly design with easily removable front / top cover provides easy access to all components for servicing, thus saving valuable time during maintenance.



BATTERY:

The vehicle is supplied with lead-acid traction batteries of 24V / 330Ah (AC model) and 30V / 289Ah (DC model) for 2000 kg model and of 36V / 299Ah for 3000 kg model as a standard. 36V / 330Ah battery can be supplied as an options. Maintenance-free batteries can also be supplied as an option.

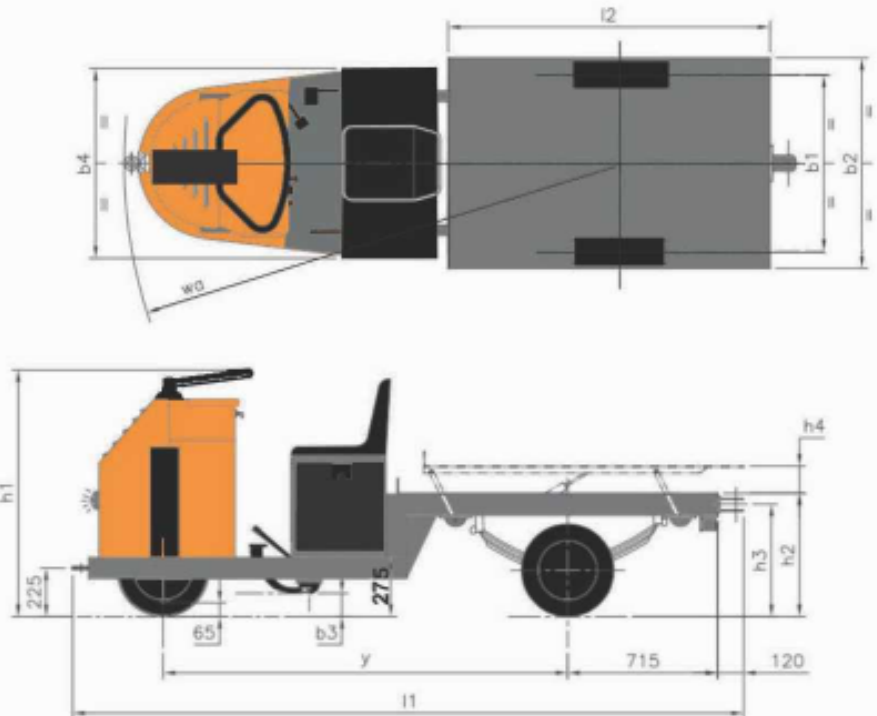


CHARGER:

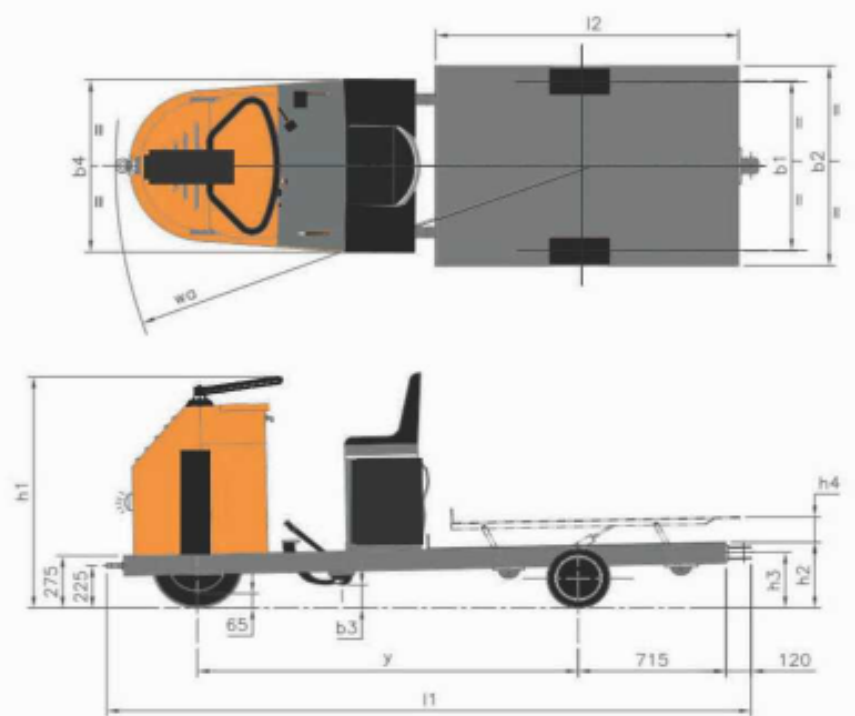
The truck is supplied with high frequency constant current charger of suitable rating as a standard.

	Description		HIGH PLATFORM				LOW PLATFORM				
Identification	Model	nos.	GPT3W-20		GPT3W-30		GPT3W-20		GPT3W-30		
		type	Fixed	Elevating	Fixed	Elevating	Fixed	Elevating	Fixed	Elevating	
	Operation	type	Seated		Seated		Seated		Seated		
	Load Capacity	Kg	2000		3000		2000		3000		
	Wheelbase	y = mm	1930		1930		1930		1930		
Weight	Service weight incl. Battery (approx) Fixed / Elevating		Kg	950 / 1050		1125 / 1225		900 / 1000		1075 / 1175	
	Battery weight (apx.)		Kg	350		450		350		450	
Chassis	Tyres		type	Solid Rubber		Solid Rubber		Solid Rubber		Solid Rubber	
	Tyre size, Front		mm	Ø438 x 127		Ø438 x 127		Ø438 x 127		Ø438 x 127	
	Tyre size, Rear		mm	Ø438 x 127		Ø438 x 127		Ø305 x 127		Ø305 x 152	
	Wheels, number Front / Rear (x = driven wheels)		nos.	1 x 2		1 x 2		1 x 2		1 x 2	
	Track width, Rear		b1 = mm	880		880		850		850	
Basic Dimension	Overall height		h1 = mm	1170 [®]		1170 [®]		1170 [®]		1170 [®]	
	Overall length		l1 = mm	3200		3200		3200		3200	
	Battery compartment width		b4 = mm	865		945		865		945	
	Overall width		b2 = mm	1000		1000		1000		1000	
	Ground clearance		b3 = mm	95 [®]		95 [®]		95 [®]		95 [®]	
	Turning radius		Wa = mm	2365		2365		2365		2365	
	Platform Size		l2 x b2=mm	1525 x 1000		1525 x 1000		1525 x 1000		1525 x 1000	
	Elevation Height		h4 = mm	-	130	-	130	-	130	-	130
	Platform / Towing Height with Rear suspension		h2 / h3 = mm	585 / 530 [®]		585 / 530 [®]		585 / 530 [®]		585 / 530 [®]	
	Platform / Towing Height without Rear suspension		h2 / h3 = mm	480 / 425 [®]		480 / 425 [®]		330 / 275 [®]		330 / 275 [®]	
Performance	Travel speed :	Laden	Km / hr	8	6	8	6	8	6	8	6
		Unladen	Km / hr	10	9	10	9	10	9	10	9
	Gradient performance :	Laden	Max. %	8	7	8	7	8	7	8	7
		Unladen	Max. %	12	10	15	13	12	10	15	13
	Service brake		type	Hydraulic		Hydraulic		Mechanical		Mechanical	
	Parking brake		type	Hand operated		Hand operated		Hand operated		Hand operated	
Power	Drive motor rating S2 = 60 min.		Kw	1.5	1.7	1.5	1.6	1.5	1.7	1.5	3.6
	Drive		type	3Ø AC	©Series DC	3Ø AC	©Series DC	3Ø AC	©Series DC	3Ø AC	©Series DC
	Battery voltage, nominal capacity		V / Ah	24 / 330	30 / 289	24 / 380	36 / 299	24 / 330	30 / 289	24 / 330	36 / 299
	Charger (Single Phase) (Automatic)		V / Amp.	24 / 35	30 / 30	36 / 40	36 / 40	24 / 35	30 / 30	24 / 35	36 / 40
Others	Drive control		type	Stepless Mosfet		Stepless Mosfet		Stepless Mosfet		Stepless Mosfet	
	Sound level at driver's ear		db(A)	85		85		85		85	

High Platform



Low Platform



Pallet Trucks



Drum lifters,tilters & carriers



Platform & dumper trucks



Electric Forklift



Diesel forklift



Stackers



Cart trolley

