

Powered Pallet Truck



1 Heavy Duty Chassis Construction

- 8 mm thick carbon steel chassis protects the drive train, hydraulic pack and controller from any damage during operations



7 reasons

why Godrej Powered Pallet Truck is the right choice to improve productivity and safety of your material handling operations.



2 Fully-integrated AC Traction System (ACTS)

- The AC control system and ruggedness of the drive train provides smooth direction changes and allows you to change direction instantaneously
- ACTS also enables the operator to precisely and accurately position the machine to pick and place pallets
- Motor torque control provides braking force, dramatically reducing the need for electromagnetic brake operation. This minimises brake pad wear saving maintenance time and cost.

3 Programmable Performance Equipment

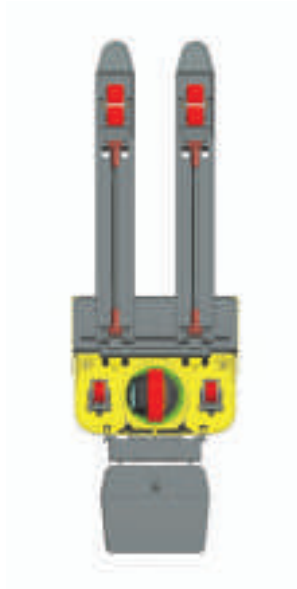
- Programmable Microprocessor based MOSFET controller enables the equipment to be set to work at the required speeds as well as set required braking distances
- Controller provides the appropriate torque to speed ratio to meet the demands of the application based on constant feedback from the encoder
- The controller increases the life of the motor and enables the battery to last longer by up to 5%
- Superior control of motor characteristics enhances the life of the motor, besides enabling upto 5% additional operating hours in each charge cycle





4 Full Function Control Handle

- Thanks to the full function control handle, the operator can manage all functions (Forward/Reverse/Braking/Lifting/Lowering) with one hand
- Full function handle eliminates all distraction, allows operator to focus solely on the handling task
- The machine can be handled with either left or right hand due to symmetrical design of the handle



5 Superior Pull-rod Linkage System for Initial Lift

- Greater strength and durability of pull-rods by subjecting them to tensile force rather than compressive stress
- Unique pull-rod system places riser axle high on the fork eliminating chances of damage and wear
- Pull-rods are welded to the chassis rather than the carriage for stronger construction



6 Anti Twist Design Prolongs Chassis Life

- Dual lift cylinders coupled with torsion-bar manages offset loads by eliminating possibility of chassis twist
- Lift cut-off battery energy by shutting down motor/pump once full lift is achieved



Performance Enhancing Options

- Additional 220 Ah battery
- Side restraints
- Battery changing trolley
- Travel Alarm
- Flashing Beacon

7 Safety with Improved Productivity

- Features to ensure operator safety at every step of the operation as stated in page 4 & 5



Godrej Safety Features

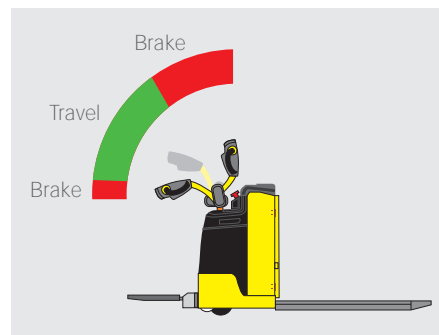


1 Different speeds to meet the requirements of the application while ensuring safe operation of the equipment

- Castors on either side of the drive wheel guarantee stability of the truck. Controller ensure that the load is safely positioned at the lowest possible height while travelling by automatically reducing the machine speed to 2.5 km/hr when:
 - Raising the operator platform automatically reduces the travel speed to 2.5 kmph, activating pedestrian mode. Operator platform is raised for operating in pedestrian mode.

2 Fail-safe Braking System

- Electromagnetic brake acts directly on the motor. It acts automatically in case of any form of power failure in the equipment.
- The electromagnetic brake also operates as a ramp hold, preventing the stacker from running away if left unattended on a slope
- The extreme horizontal & vertical positions of the tiller handle activate the electromagnetic brake. This ensures that the handle is always held in a convenient and safe zone while travelling. A spring automatically returns the tiller handle to a vertical position, immediately activating the electromagnetic brake and holding the stacker safely.
- The braking distance is programmable to suit the application, working conditions and operator skill



Operating mode with brake zone

3 Anti-pinning Button at the end of the control handle

- If the operator accidentally gets trapped between the stacker and the wall/rack, the anti-pinning button presses against the operator. This immediately moves the machine a few inches away from the operator, before coming to a halt.



4 Battery Discharge Indicator (BDI) with lift lock out

- The BDI visually indicates the battery status at all times. The lift lock out disables lift function when the battery is discharged to 80% of its full capacity, preventing deep discharge of the battery through further use.

5 Emergency stop switch

- The mushroom button instantly cuts power to all functions and operates the electromagnetic brake whenever it is struck in emergency



Throttle Switch for acceleration and braking





Godrej Powered Pallet Truck

Engineered for durability

Handling 2 pallets for productivity



Easy battery rollout



Handling ground level pallets



Transport and order picking application



Maneuvering in tight spaces

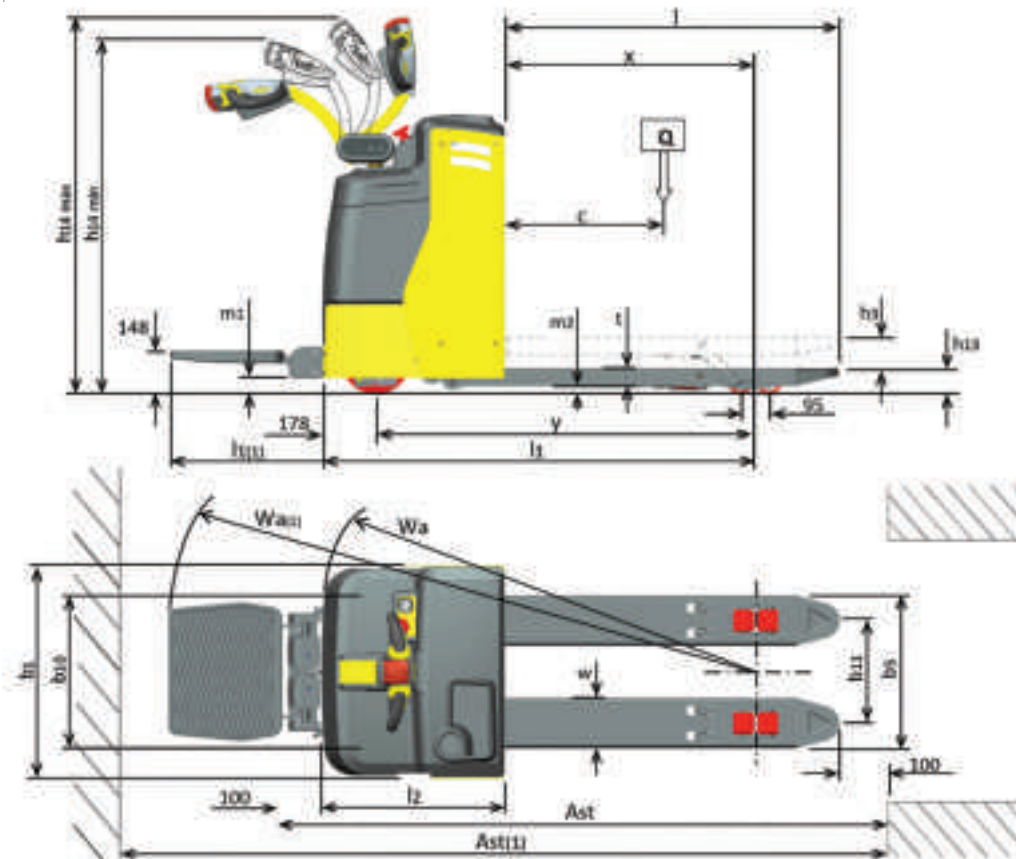
TECHNICAL SPECIFICATION: GPPT 2000

	Manufacturer			Godrej
Characteristics	Model Designation			GPPT 2000
	Power Source			Electric
	Operation Type			Pedestrian
	Load Capacity	Q	Kg	2000
	Load Centre	c	mm	600
	Load Distance, raised	x	mm	see table
	Wheel Base, raised	y	mm	see table
Weights	Unladen weight incl. battery	-	Kg	640
	Axle loading	w. load Front / Rear	Kg	1045 / 1565
		w.o. load Front / Rear		495 / 140
Wheels & Tyres	Wheels Type			PU
	Wheel size	Front	mm	Φ230 x 70
		Rear	mm	Φ85 x 75
		Castor Wheels	mm	Φ90x50
	No. of wheels	Front		1
		Rear		4
		Castor Wheels		2
Track Width Front / Rear	b10 / b11	mm	see table	
Dimensions	Lift Height	h3	mm	115
	Height of tiller in drive position min / max	h14	mm	1223 / 1317
	Lowered Forks Height	h13	mm	90
	Overall Length w. / w.o. platform	l1 / l1(1)	mm	see table
	Lowered Headlength	l2	mm	619
	Overall width	b1	mm	726
	Fork dimension	Length (l)	mm	see table
		Width (w)		170
		Thickness (t)		60
	Max. width across forks	b5	mm	see table
	Ground clearance Chassis / centre of wheelbase	m1 / m2	mm	54 / 30
	Working Aisle for pallet size w. / w.o. platform	Ast / Ast(1)	mm	see table
Turning Radius w. / w.o. platform	Wa / Wa(1)	mm	see table	
Performance	Travel speed	with load	Km/h	4.5
		without load		6.5
	Lift speed	with load	m/sec	0.11
		without load		0.15
	Lowering speed	with load	m/sec	0.24
		without load		0.13
	Max. gradeability	with load	%	7
without load		15		
Service brake			Electro-magnetic	
Electrics	Drive motor, S2 60 min rating		kW	1.3 AC
	Lift motor, S3 10% rating		kW	2 DC
	Battery	Voltage	V	24
		Capacity	Ah	220
	Battery weight		Kg	211
Misc.	Type of drive control			AC-MOSFET
	Steering angle		Degree	180

Model				GPPT2000 520/1120	GPPT2000 670/1120	GPPT2000 520/1120	GPPT2000 670/1120
Load Distance, raised ¹	x		mm	778		868	
Wheel Base, raised ¹	y		mm	1210		1300	
Track Width Front / Rear	b10 / b11		mm	490 / 350		490 / 500	
Overall Length w. / w.o. platform	l1 / l1(1)		mm	2250 / 1738		2331 / 1819	
Fork Length	l		mm	1120		1210	
Max. width across forks	b5		mm	520	670	520	670
Working Aisle for pallet size w. / w.o. platform	Ast / Ast(1)	800(W)x1200(L)	mm	2700 / 2194		2728 / 2220	
		1000(W)x1200(L)	mm	2772 / 2266		2808 / 2300	
		1200(W)x1200(L)	mm	2852 / 2345		2894 / 2386	
Turning Radius w. / w.o. platform, raised ²	Wa / Wa(1)		mm	1919 / 1412		2008 / 1500	

¹ Forks lowered +61mm

² Forks lowered +51mm



Standard Features:

- Fully welded steel chassis, optimally designed on Pro E & validated by finite element analysis (FEA)
- Fully integrated drive unit with ACTS traction motor, gear box and drive wheel
- Polyurethane drive wheel, castors and tandem load wheels for GPPT 2000
- Centre mounted control arm with full function control handle
- Programmable MOSFET traction controller
- 24V electrical system
- 220 Ah traction battery
- 1.3 KW AC traction motor
- 2 KW DC pump motor
- Electromagnetic parking brakes with FBS technology
- Battery compartment rollers
- Battery discharge indicator with lift lock out
- Mushroom button for emergency shut down
- Anti-pinning button for operator safety
- Key switch
- Horn
- Operator Platform

NOTE: All dimensions and specifications indicated above are subject to a variation of +/-15%. Godrej products and specifications are subject to improvement or change without notice. The colour of the product reflecting in this brochure is indicative and may vary in actual supply.



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