

RPL251

HEAVY-DUTY RIDE-ON PALLET TRUCK 2.5T

 2500 kg  120 mm  24 V Li-Ion



Designed for large warehouses, logistics centers, and distribution hubs, the RPL251 is ideal for high-intensity, long-distance pallet transport. Its foldable suspended platform and protective sidearms enhance operator comfort, while proportional steering and creep speed mode ensure precise control in confined areas. With a higher load capacity compared to the RPL201, it is particularly suited for businesses handling heavier goods.

SPECIFICATION	REF	UNIT	VALUE
Manufacturer			EP
Model designation			RPL251
Battery voltage		V	24
Rated capacity	Q	kg	2500
Load centre distance	c	mm	600
Service weight		kg	690
Lift	h ₃	mm	120
Overall length	l ₁	mm	1954
Overall width	b ₁ /b ₂	mm	734
Length to face of forks	l ₂	mm	824
Fork dimensions	s/e/l	mm	55x1190x1150
Turning radius	Wa	mm	1790
Drive			Electric
Operator type			Standing
Load distance, centre of drive axle to fork	x	mm	916
Wheelbase	y	mm	1531

Features

High load capacity and endurance

With a 2500 kg capacity and reinforced chassis, the RPL251 is built for intensive applications. Its heavier counterweight and larger structure ensure stability and durability during continuous operation.



Long-lasting Li-ion power

Equipped with a 24V/280Ah Li-ion battery, the RPL251 supports rapid opportunity charging via external plug. This enables uninterrupted use in multi-shift warehouses and reduces downtime significantly.

Advanced safety and stability

Automatic cornering speed reduction, stabilizing wheels, and anti-rollback braking ensure safe handling even under heavy loads. These features protect both the operator and the transported goods.



Operator-focused ergonomics

The foldable suspended platform, protective sidearms, and proportional steering provide a comfortable and safe driving experience. Improved visibility and creep speed mode enhance precision in narrow aisles and busy environments.

VDI Chart

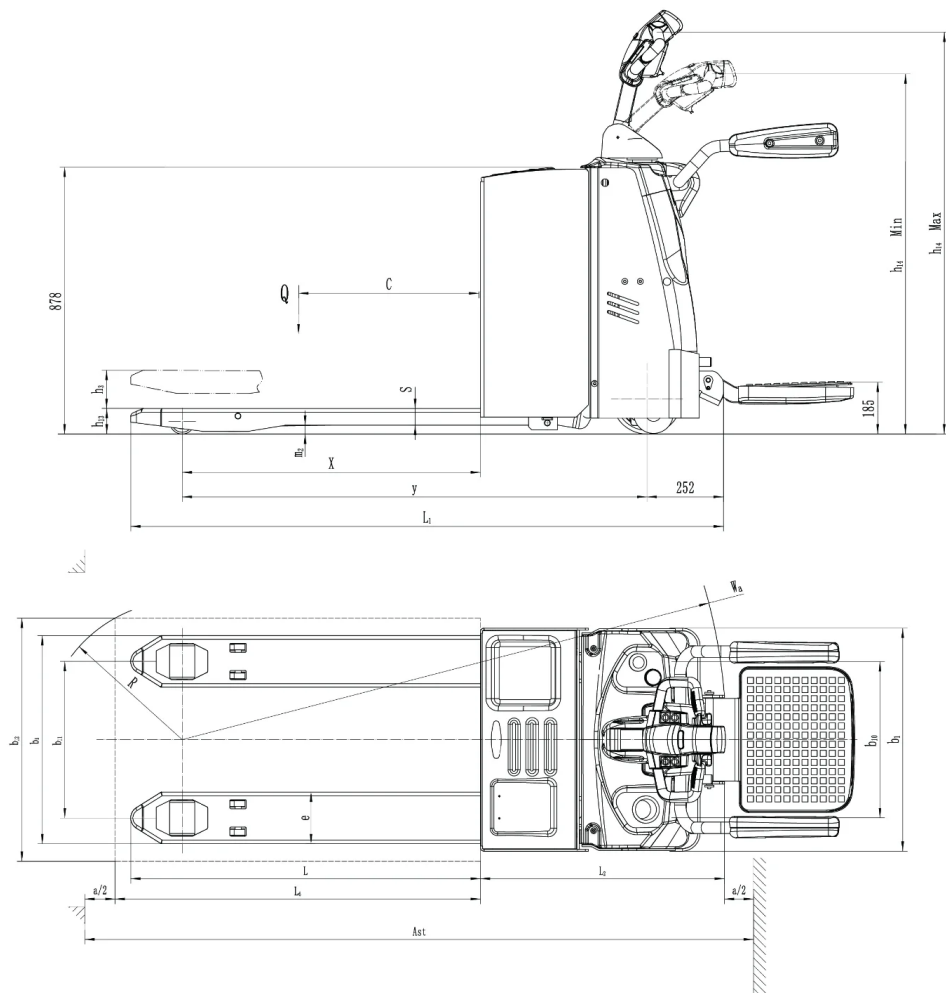
SPECIFICATION		REF	UNIT	VALUE
1.1	Manufacturer			EP
1.2	Model designation			RPL251
1.3	Drive			Electric
1.4	Operator type			Standing
1.5	Rated capacity	Q	kg	2500
1.6	Load centre distance	c	mm	600
1.8	Load distance, centre of drive axle to fork	x	mm	916
1.9	Wheelbase	y	mm	1531
2.1	Service weight		kg	690
2.2	Axle loading, laden front/rear		kg	1170/2020
2.3	Axle loading, unladen front/rear		kg	650/140
3.1	Tyres			Polyurethane
3.2	Tyre size, front		mm	Φ230x75
3.3	Tyre size, rear		mm	Φ130x55
3.4	Additional wheels (castor wheels)		mm	Φ85x70/Φ83x115
3.5	Wheels, number front/rear (x=drive wheels)			1x+2/4/1x+2/2
3.6	Tread width, front	b ₁₀	mm	510
3.7	Tread width, rear	b ₁₁	mm	370/495
4.4	Lift	h ₃	mm	120
4.9	Height drawbar in driving position min./max.	h ₁₄	mm	1075/1288
4.15	Height, lowered	h ₁₃	mm	85
4.19	Overall length	l ₁	mm	1954
4.20	Length to face of forks	l ₂	mm	824
4.21	Overall width	b ₁ /b ₂	mm	734
4.22	Fork dimensions	s/e/l	mm	55x1190x1150
4.25	Distance between fork-arms	b ₅	mm	560 / 685
4.32	Ground clearance, centre of wheelbase	m ₂	mm	30
4.34.1	Aisle width for pallets 1000×1200 crossways	Ast	mm	2590
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	2447
4.35	Turning radius	wa	mm	1790
5.1	Travel speed, laden/unladen		km/h	5.5/6
5.2	Lift speed, laden/unladen		m/s	0.050/0.054

	SPECIFICATION	REF	UNIT	VALUE
5.3	Lowering speed, laden/unladen		m/s	0.067/0.054
5.8	Max. gradeability, laden/unladen		%	6/16
5.10	Service brake			Electromagnetic
6.1	Drive motor rating S2 60 min		kW	1.6
6.2	Lift motor rating at S3 15%		kW	2.2
6.4.1	Battery voltage		V	24
6.4.2	Battery nominal capacity K5		Ah	205
6.4.3	Battery type			Li-Ion
6.5	Battery weight		kg	62
8.1	Type of drive unit			AC
10.5	Steering design			Electronic
10.7	Sound pressure level at the driver's seat		dB(A)	74

Subject to modification of specifications and designs without prior notice as part of continuous product improvement. Images and technical data shown may include optional features and are provided for reference only. All dimensions are subject to standard manufacturing tolerances.

VDI Drawing

Fork length (mm)	Load capacity (kg)		
	RPL201/RPL201H	RPL251	RPL301
850	2000KG	2500KG	3000KG
1000			
1150			
1220			
1300			
1450			
1600	1800KG	2500KG	2700KG
1800			
2000			
2200	1600KG		2500KG
2400			



Options

ITEM	OPTIONS (optional items marked in yellow)
Fork lowered height	85
Load wheel type	Double Single
Load wheel material	PU
Drive wheel material	PU Carved PU Rubber
Battery capacity	205Ah (Li-ion truck) 280Ah (Lead-acid truck) 210Ah/345Ah (Lead-acid truck)
Charger	24V-100A external charger (for 205Ah battery) 24V-30A external charger (for 210/280Ah battery) 24V-50A external charger (for 345Ah battery)
Battery indicator	With hourmeter
Castor wheels	Yes and not customized
Load backrest height	1220 mm (48in) 1520 mm (60in)
Fork width	560/685
Fork length	1150/1220 850/100/1300/1450/1600/1800/2000/2200/2400