

RPL301

HEAVY-DUTY RIDE-ON PALLET TRUCK 3.0T

 3000 kg  120 mm  24 V Li-Ion



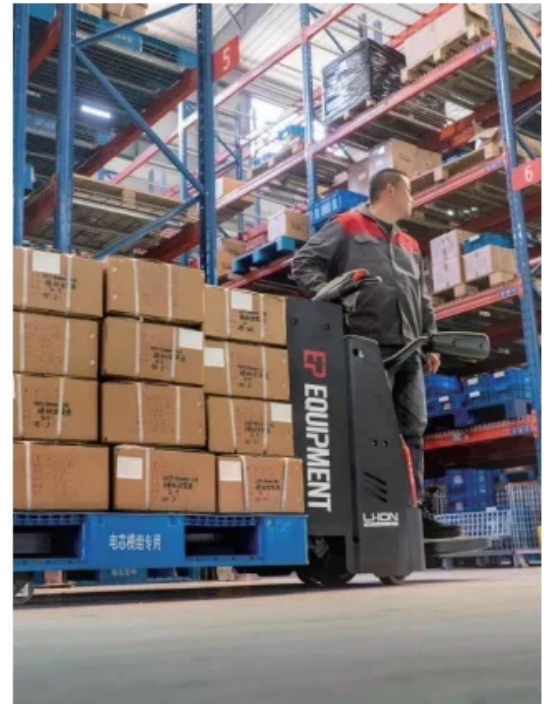
The RPL301 is designed for demanding logistics hubs, warehouses, and distribution centers where maximum load handling and endurance are required. Its ride-on platform and protective sidearms ensure operator comfort over long distances, while proportional steering and creep speed mode guarantee precise control in confined spaces. Compared to the RPL251, it offers an even higher load capacity for businesses with extreme handling needs.

SPECIFICATION	REF	UNIT	VALUE
Manufacturer			EP
Model designation			RPL301
Battery voltage		V	24
Rated capacity	Q	kg	3000
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

Extreme load capacity

With a maximum load capacity of 3000 kg, the RPL301 is the strongest in the series. Its reinforced chassis and larger counterweight guarantee stability and reliability even in the most demanding operations.

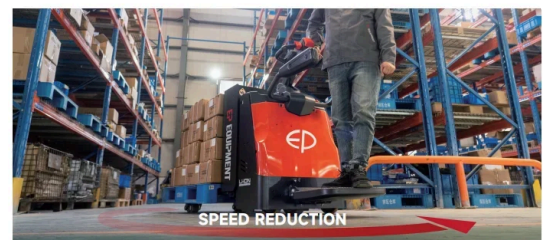


High-performance Li-ion power

The 24V/360Ah Li-ion battery provides exceptional runtime and supports fast opportunity charging. This allows the RPL301 to operate continuously in high-intensity, multi-shift environments.

Enhanced safety systems

Equipped with stabilizing wheels, anti-rollback function, and automatic cornering speed reduction, the RPL301 ensures safe handling for both operators and heavy loads.



Operator comfort and control

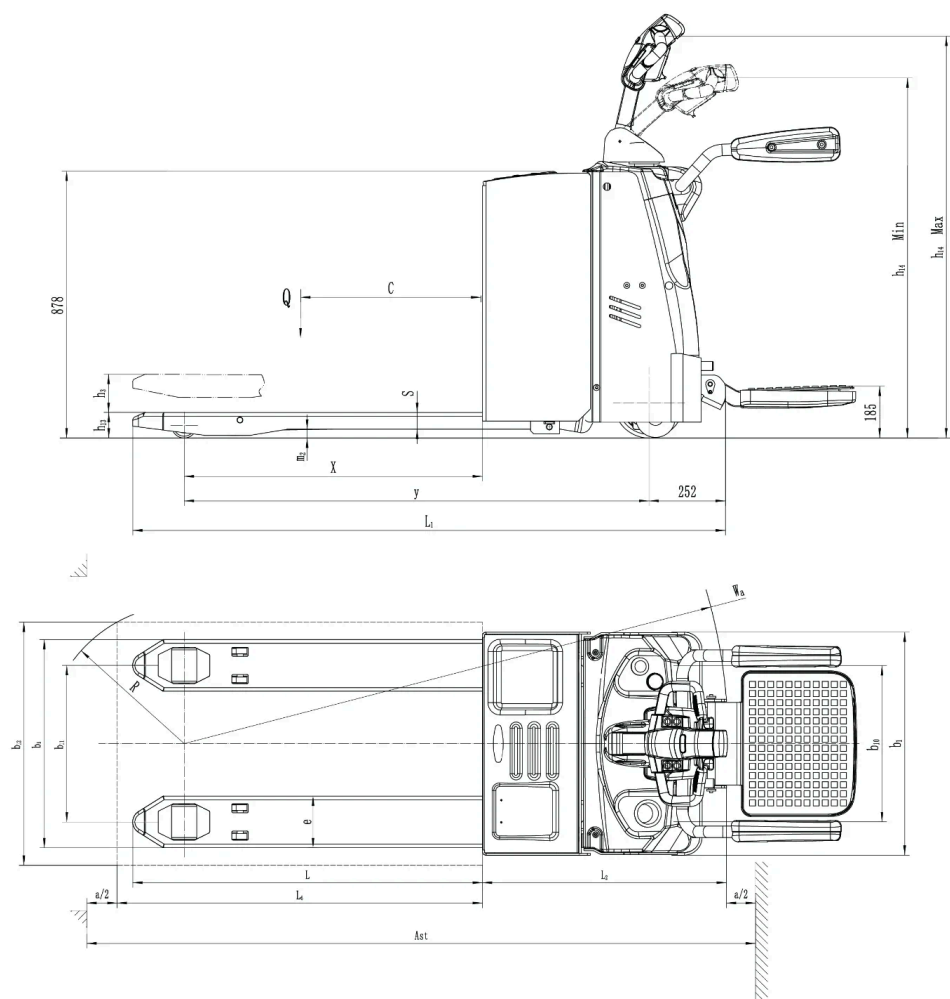
The suspended ride-on platform, protective sidearms, and proportional steering offer a comfortable and ergonomic driving experience, while creep speed mode ensures precise maneuvering in narrow spaces.

VDI Chart

SPECIFICATION		REF	UNIT	VALUE
1.1	Manufacturer			EP
1.2	Model designation			RPL301
1.3	Drive			Electric
1.4	Operator type			Standing
1.5	Rated capacity	Q	kg	3000
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	1294 / 2396
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	2.5
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.



Fork length (mm)	Load capacity (kg)			
	RPL201/RPL201H	RPL251	RPL301	
850	2000KG	2500KG	3000KG	
1000				
1150				
1220				
1300				
1450				
1600				
1800	1800KG		2700KG	
2000	1600KG		2500KG	
2200				
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
Fork width	560/685
Fork length	1150/1220 850/100/1300/1450/1600/1800/2000/2200/2400
Load backrest height	1220 mm (48in) 1520 mm (60in)