

RPL301E

RIDE ON PALLET TRUCK 3T

 3000 kg  120 mm  24 V Li-Ion



The RPL201E and RPL301E are engineered for high-intensity material handling in busy warehouses and logistics centers. With a foldable suspension platform and protective arms, they excel at transporting heavy palletized goods over medium to long distances. These ride-on trucks are ideal for efficiently loading and unloading HGVs at docking areas. When the platform is folded, they offer superior maneuverability for navigating narrow aisles, making them versatile for various industrial environments.

SPECIFICATION	REF	UNIT	VALUE
Manufacturer			EP
Model designation			RPL301E
Battery voltage		V	24
Rated capacity	Q	kg	3000
Load centre distance	c	mm	600
Service weight		kg	730
Lift	h ₃	mm	120
Overall length	l ₁	mm	1866
Overall width	b ₁ /b ₂	mm	738
Length to face of forks	l ₂	mm	716
Fork dimensions	s/e/l	mm	55x190x1150
Turning radius	Wa	mm	1724
Drive			Electric
Operator type			Pedestrian
Load distance, centre of drive axle to fork	x	mm	974
Wheelbase	y	mm	1433

Features

Electronic steering for effortless steering



Protective arm guards as standard



Dedicated external charging port for added convenience



24V/150Ah Li-ion battery with opportunity charging and zero maintenance



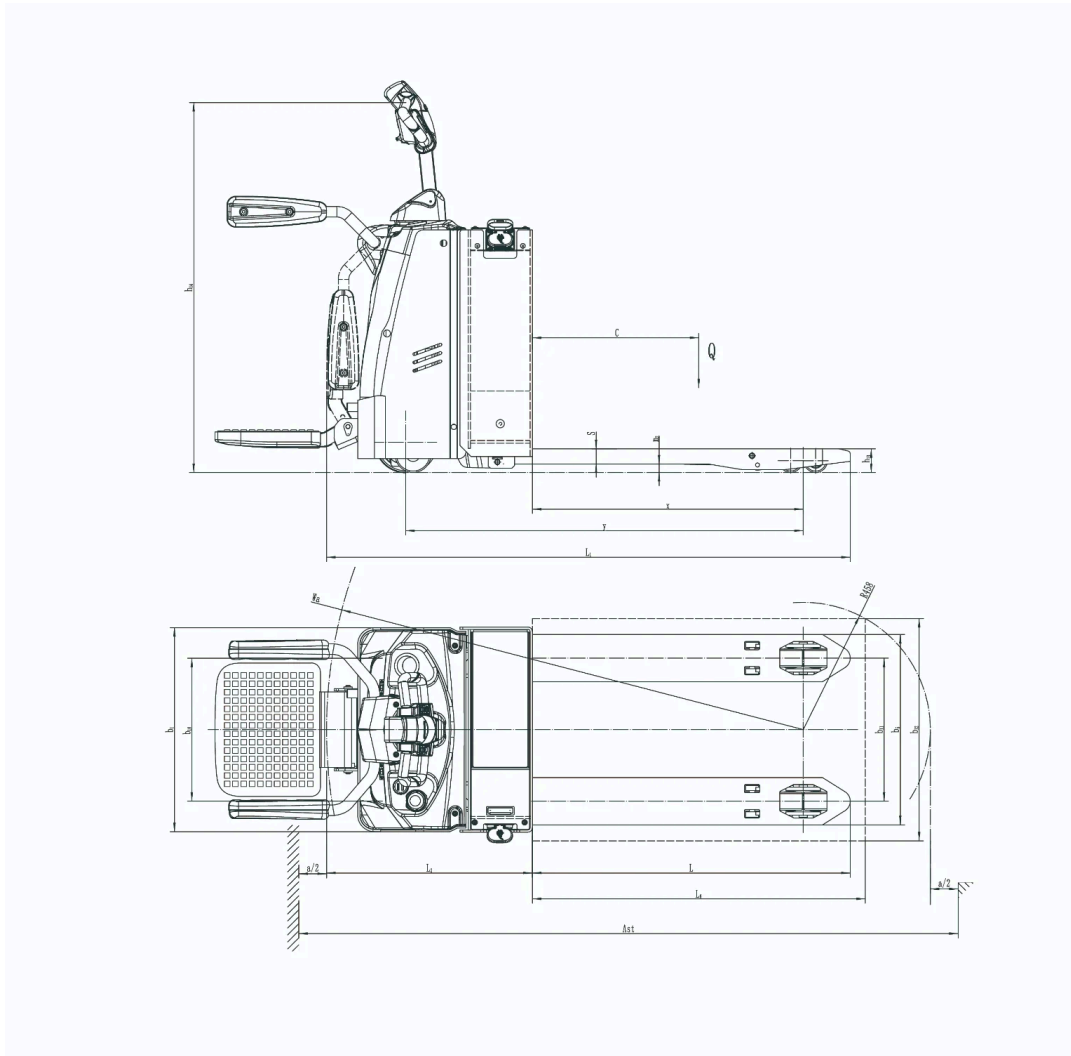
Foldable suspension platform for both long-distance transportation and maneuvering in narrow spaces

VDI Chart

SPECIFICATION		REF	UNIT	VALUE
1.1	Manufacturer			EP
1.2	Model designation			RPL301E
1.3	Drive			Electric
1.4	Operator type			Pedestrian
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	974
1.9	Wheelbase	y	mm	1433
2.1	Service weight		kg	730
2.2	Axle loading, laden front/rear		kg	1340/2390
2.3	Axle loading, unladen front/rear		kg	610/120
3.1	Tyres			Polyurethane
3.2	Tyre size, front		mm	Φ230x75
3.3	Tyre size, rear		mm	Φ85x70/Φ83x115
3.4	Additional wheels (castor wheels)		mm	Φ130x55

SPECIFICATION		REF	UNIT	VALUE
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	1866
4.20	Length to face of forks	l ₂	mm	716
4.21	Overall width	b ₁ /b ₂	mm	738
4.22	Fork dimensions	s/e/l	mm	55x190x1150
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	2514
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	2373
4.35	Turning radius	Wa	mm	1724
5.1	Travel speed, laden/unladen		km/h	5.5/6
5.2	Lift speed, laden/unladen		m/s	0.050/0.054
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	3
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	24/150
6.4.3	Battery type			Li-Ion
6.5	Battery weight		kg	50
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.



ITEM	OPTIONS (optional items marked in yellow)
Fork dimension	560*1150 560* (850、1000、1220、1300、1450、1600、1800、2000、2200、2400) 685*(850、1000、1220、1300、1450、1600、1800、2000、2200、2400)
Fork lowered height	85
Fork carriage width option	750
Backrest height	No 1220mm (48in) 1520mm (60in)
Load wheel type	Double Single
Load wheel material	PU
Drive wheel material	PU Treaded PU Rubber

ITEM	OPTIONS (optional items marked in yellow)
Battery capacity	150Ah (Li-ion) 205Ah (Li-ion) 210Ah (Lead-acid) 280Ah (Lead-acid) 345Ah (Lead-acid)
Charger	24V-50A External (Li-ion) 24V-30A External(Lead-acid) 24V-100A External(Li-ion) 24V-50A External(Lead-acid)
Battery indicator	With hourmeter
Castor wheels	Yes and not customized
Water auto-filling system	No Yes and not customized(Only for lead-acid)
Telematics	No Yes and not customized
Operator identification device	No Card reader