

RPL201(H)/251/301

2000/2500/3000kg

Heavy-duty Pallet Truck

EP
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- Heavy-duty design with foldable platform and safety arms for long-distance and demanding applications
- Precise proportional electric steering with automatic turning speed control
- Easy charging procedure with external charging plug
- High speed version (up to 12km/h) for even higher productivity
- Enhanced travel stability with optimized counterweight and castor wheels
- Powerful Li-ion battery with opportunity charging and zero maintenance
- Improved operator visibility and reinforced protection features



Manufacturer			EP	EP	EP	EP
Model designation			RPL201	RPL201(H)	RPL251	RPL301
Drive			Electric	Electric	Electric	Electric
Load capacity	Q	kg	2000	2000	2500	3000
Load center distance	c	mm	600	600	600	600
Service weight		kg	670	670	802	802
Length to face of forks	l2	mm	804	804	824	824
Overall width	b1/b2	mm	734	734	734	734
Fork dimensions	s/e/l	mm	55/170/1220	55/170/1220	55/190/1150	55/190/1150
Turning radius	Wa	mm	1806	1806	1790	1790
Max. gradeability, laden/unladen		%	8/16	8/16	6/16	6/16
Travel speed, laden/unladen		km/ h	7.5/8	9/12	5.5/6	5.5/6
Battery voltage/nominal capacity		V/Ah	24/205	24/205	24/205	24/205

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FEATURE

■ Ideal for Heavy-duty and Long-distance Applications

The RPL series is a heavy duty ride on pallettruck with foldable suspended platform and sidearms and capacity from 2 to 3 tons, and offers a high-speed version RPL201H for even higher productivity, which suits for long-distance transportation in large warehouses and logistics centers. The RPL 251 and 301 are able to realize heavy-duty applications and satisfy different working conditions.



■ Lithium-ion Technology

The integration of maintenance-free Li-ion batteries allows for rapid and opportunity charging, minimizing downtime and maximizing continuous operation without disrupting working schedules. The dedicated external charging port simplifies charging procedure without the need of opening battery compartment, disconnect and reconnect plugs.



■ User-centered Design

RPL Series is equipped with an ergonomic tiller and powersteering that means an effortless operation during driving with any kind of loads and the battery cover is carved in the middle to provide better visibility of the fork tips and the storage space is a thoughtful addition for operator convenience. The widened frame protects the back cover from collision damage.



■ Enhanced Travel Stability

Counterweight is added to the bottom of the battery compartment to lower the center of gravity and the rear stabilizing wheels are re-positioned, which brings enhanced driving behavior and travel stability, particularly during sudden stops. During turns the speed is automatically reduced increasing safety and loads stability.



Electric Pallet Truck 2.0T

RPL201

Distinguishing mark	1.1	Manufacturer			EP	EP
	1.2	Model designation			RPL201(Li)	RPL201(Lead-acid)
	1.3	Drive			Electric	Electric
	1.4	Operator type			Standing	Standing
	1.5	Load capacity	Q	kg	2000	2000
	1.6	Load center distance	c	mm	600	600
	1.8	Load distance , centre of drive axle to fork	x	mm	980	980
	1.9	Wheelbase	y	mm	1531	1531
Service weight	2.1	Service weight		kg	670	755
	2.2	Axle loading, laden front/rear		kg	1060 / 1610	1090 / 1665
	2.3	Axle loading, unladen front/rear		kg	540 / 130	600 / 155
Tyres/chassis	3.1	Tyre type			Polyurethane	Polyurethane
	3.2.1	Tyre size, front		mm	Φ230x75	Φ230x75
	3.3.1	Tyre size, rear		mm	Φ85x70/Φ83x115	Φ85x70/Φ83x115
	3.4	Additional wheels (castor wheels)		mm	Φ130x55	Φ130x55
	3.5	Wheels, number front/rear (x=drive wheels)		mm	1x+2/4/1x+2/2	1x+2/4/1x+2/2
	3.6.1	Tread width, front	b10	mm	510	510
	3.7.1	Tread width, rear	b11	mm	370 / 515	370 / 515
Dimensions	4.4	Lift height	h3	mm	120	120
	4.9	Height of tiller handle in drive position min./max.	h14	mm	1075 / 1288	1075 / 1288
	4.15	Lowered height	h13	mm	85	85
	4.19	Overall length	l1	mm	1954	1954
	4.20	Length to face of forks	l2	mm	804	804
	4.21	Overall width	b1/b2	mm	734	734
	4.22	Fork dimensions	s/e/l	mm	55 x 170 x 1150	55 x 170 x 1150
	4.25	Distance between fork-arms	b5	mm	540 / 685	540 / 685
	4.32	Ground clearance, center of wheelbase	m2	mm	30	30
	4.34.1	Aisle width for pallets 1000×1200 crossways	Ast	mm	2606	2606
	4.34.2	Aisle width for pallets 800×1200 crossways	Ast	mm	2463	2463
Performance data	4.35	Turning radius	Wa	mm	1806	1806
	5.1	Travel speed, laden/unladen		km/ h	7.5 / 8	7.5 / 8
	5.2	Lifting speed, laden/unladen		m/s	0.050 / 0.054	0.050 / 0.054
	5.3	Lowering speed, laden/unladen		m/s	0.067 / 0.054	0.067 / 0.054
	5.8	Max. gradeability, laden/unladen		%	8 / 16	8 / 16
Electric-engine	5.10	Service brake			Electromagnetic	Electromagnetic
	6.1	Drive motor rating S2 60 min		kW	1.6	1.6
	6.2	Lift motor rating at S3 15%		kW	2.2	2.2
	6.4	Battery voltage/nominal capacity		V/Ah	24 / 205	24 / 210
	6.5	Battery weight		kg	62	255
Addition data	8.1	Type of drive control			AC	AC
	10.5	Steering design			Electronic	Electronic
	10.7	Sound pressure level at the driver's ear		dB(A)	74	74

If there are improvements of technical parameters or configurations, no further notice will be given.
The diagram shown may contain non-standard configurations.

Electric Pallet Truck 2.0T

RPL201H

Distinguishing mark	1.1	Manufacturer			EP	EP
	1.2	Model designation			RPL201H(Li)	RPL201H(Lead-acid)
	1.3	Drive			Electric	Electric
	1.4	Operator type			Standing	Standing
	1.5	Load capacity	Q	kg	2000	2000
	1.6	Load center distance	c	mm	600	600
	1.8	Load distance , centre of drive axle to fork	x	mm	980	980
	1.9	Wheelbase	y	mm	1531	1531
	2.1	Service weight		kg	670	755
Service weight	2.2	Axle loading, laden front/rear		kg	1060 / 1610	1090 / 1665
	2.3	Axle loading, unladen front/rear		kg	540 / 130	600 / 155
	3.1	Tyre type			Polyurethane	Poly urethane
Tyres/chassis	3.2.1	Tyre size, front		mm	Φ230x75	Φ230x75
	3.3.1	Tyre size, rear		mm	Φ85x70/Φ83x115	Φ85x70/Φ83x115
	3.4	Additional wheels (castor wheels)		mm	Φ130x55	Φ130x55
	3.5	Wheels, number front/rear (x=drive wheels)		mm	1x+2/4/1x+2/2	1x+2/4/1x+2/2
	3.6.1	Tread width, front	b10	mm	510	510
	3.7.1	Tread width, rear	b11	mm	370 / 515	370 / 515
	4.4	Lift height	h3	mm	120	120
Dimensions	4.9	Height of tiller handle in drive position min./max.	h14	mm	1075 / 1288	1075 / 1288
	4.15	Lowered height	h13	mm	85	85
	4.19	Overall length	l1	mm	1954	1954
	4.20	Length to face of forks	l2	mm	804	804
	4.21	Overall width	b1/b2	mm	734	734
	4.22	Fork dimensions	s/e/l	mm	55 x 170 x 1150	55 x 170 x 1150
	4.25	Distance between fork-arms	b5	mm	540 / 685	540 / 685
	4.32	Ground clearance, center of wheelbase	m2	mm	30	30
	4.34.1	Aisle width for pallets 1000×1200 crossways	Ast	mm	2606	2606
	4.34.2	Aisle width for pallets 800×1200 crossways	Ast	mm	2463	2463
	4.35	Turning radius	Wa	mm	1806	1806
	5.1	Travel speed, laden/unladen		km/ h	9 / 12	9 / 12
Performance data	5.2	Lifting speed, laden/unladen		m/s	0.050 / 0.054	0.050 / 0.054
	5.3	Lowering speed, laden/unladen		m/s	0.067 / 0.054	0.067 / 0.054
	5.8	Max. gradeability , laden/unladen		%	8 / 16	8 / 16
	5.10	Service brake			Electromagnetic	Electromagnetic
Electric-engine	6.1	Drive motor rating S2 60 min		kW	2.5	2.5
	6.2	Lift motor rating at S3 15%		kW	2.2	2.2
	6.4	Battery v oltage/nominal capacity		V/Ah	24 / 210	24/205
	6.5	Battery weight		kg	62	255
Addition data	8.1	Type of drive control			AC	AC
	10.5	Steering design			Electronic	Electronic
	10.7	Sound pressure level at the driver's ear		dB(A)	74	74

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Electric Pallet Truck 2.5T

RPL251

Distinguishing mark	1.1	Manufacturer			EP	EP
	1.2	Model designation			RPL251(Li)	RPL251(Lead-acid)
	1.3	Drive			Electric	Electric
	1.4	Operator type			Standing	Standing
	1.5	Load capacity	Q	kg	2500	2500
	1.6	Load center distance	c	mm	600	600
	1.8	Load distance, centre of drive axle to fork	x	mm	916	916
	1.9	Wheelbase	y	mm	1531	1531
Service weight	2.1	Service weight		kg	802	875
	2.2	Axle loading, laden front/rear		kg	1120 / 1670	1120 / 1670
	2.3	Axle loading, unladen front/rear		kg	650 / 140	650 / 140
Tyres/chassis	3.1	Tyre type			Polyurethane	Polyurethane
	3.2.1	Tyre size, front		mm	Φ85x70 / Φ83x115	Φ85x70 / Φ83x115
	3.3.1	Tyre size, rear		mm	Φ230x75	Φ230x75
	3.4	Additional wheels (castor wheels)		mm	Φ130x55	Φ130x55
	3.5	Wheels, number front/rear (x=drive wheels)		mm	1 x +2/4 / 1 x + 2/2	1 x +2/4 / 1 x +2/2
	3.6.1	Tread width, front	b10	mm	510	510
	3.7.1	Tread width, rear	b11	mm	370 / 495	370 / 495
Dimensions	4.4	Lift height	h3	mm	120	120
	4.9	Height of tiller handle in drive position min./max.	h14	mm	1075 / 1288	1075 / 1288
	4.15	Lowered height	h13	mm	85	85
	4.19	Overall length	l1	mm	1954	1954
	4.20	Length to face of forks	l2	mm	824	824
	4.21	Overall width	b1/b2	mm	734	734
	4.22	Fork dimensions	s/e/l	mm	55 x 190 x 1150	55 x 190 x 1150
	4.25	Distance between fork-arms	b5	mm	560 / 685	560 / 685
	4.32	Ground clearance, center of wheelbase	m2	mm	30	30
	4.34.1	Aisle width for pallets 1000×1200 crossways	Ast	mm	2590	2590
	4.34.2	Aisle width for pallets 800×1200 crossways	Ast	mm	2447	2447
	4.35	Turning radius	Wa	mm	1790	1790
Performance data	5.1	Travel speed, laden/unladen		km/ h	5.5 / 6	5.5 / 6
	5.2	Lifting speed, laden/unladen		m/s	0.050 / 0.054	0.050 / 0.054
	5.3	Lowering speed, laden/unladen		m/s	0.067 / 0.054	0.067 / 0.054
	5.8	Max. gradeability, laden/unladen		%	6 / 16	6 / 16
	5.10	Service brake			Electromagnetic	Electromagnetic
Electric-engine	6.1	Drive motor rating S2 60 min		kW	1.6	1.6
	6.2	Lift motor rating at S3 15%		kW	2.2	2.2
	6.4	Battery voltage/nominal capacity		V/Ah	24 / 205	24 / 280
	6.5	Battery weight		kg	62	255
Addition data	8.1	Type of drive control			AC	AC
	10.5	Steering design			Electronic	Electronic
	10.7	Sound pressure level at the driver's ear		dB(A)	74	74

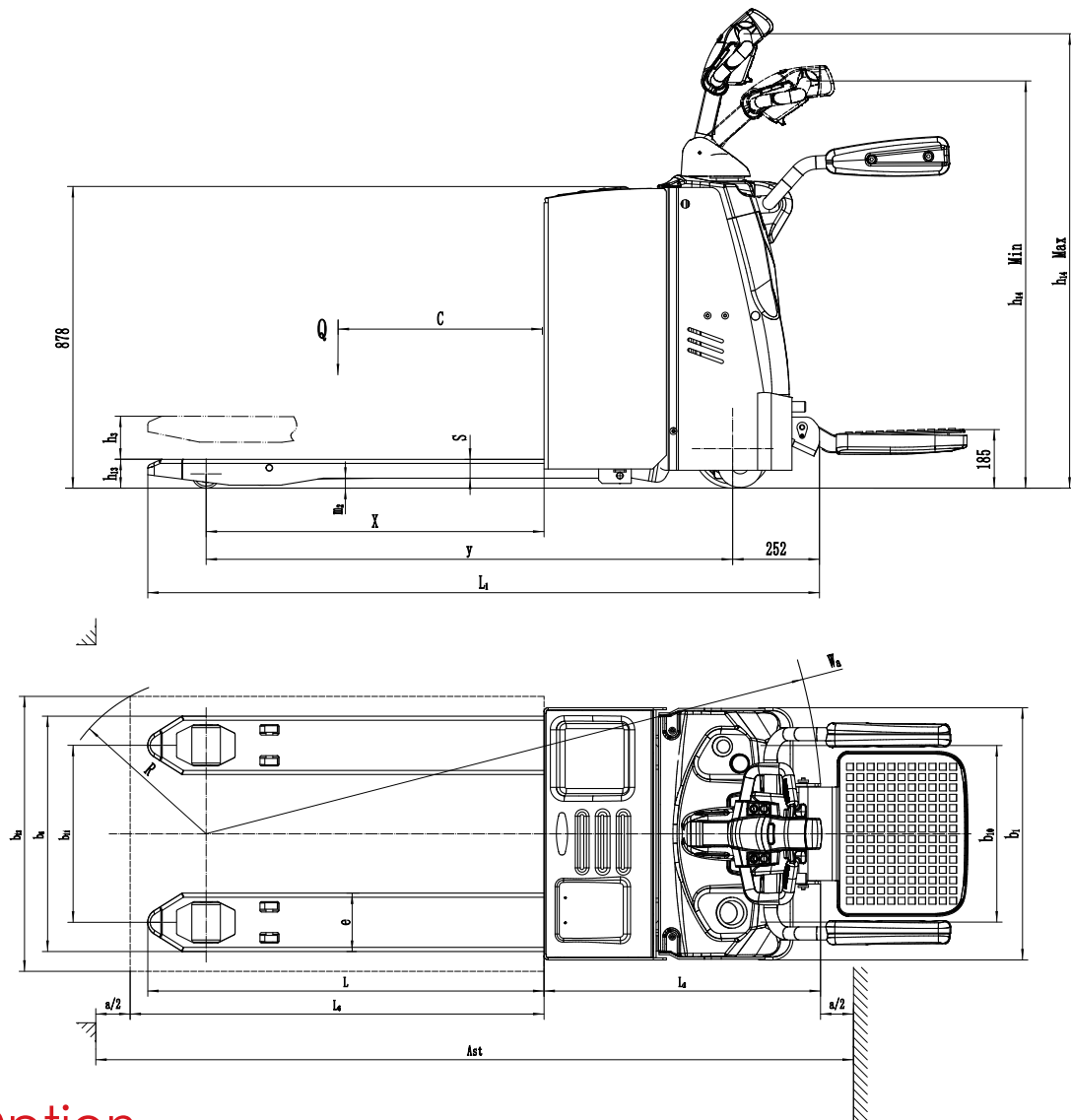
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Electric Pallet Truck 3.0T

RPL301

Distinguishing mark	1.1	Manufacturer			EP	EP
	1.2	Model designation			RPL301(Li)	RPL301(Lead-acid)
	1.3	Drive			Electric	Electric
	1.4	Operator type			Standing	Standing
	1.5	Load capacity	Q	kg	3000	3000
	1.6	Load center distance	c	mm	600	600
	1.8	Load distance, centre of drive axle to fork	x	mm	916	916
	1.9	Wheelbase	y	mm	1531	1531
Service weight	2.1	Service weight		kg	802	875
	2.2	Axle loading, laden front/rear		kg	1370 / 2420	1370 / 2420
	2.3	Axle loading, unladen front/rear		kg	650 / 140	650 / 140
Tyres/chassis	3.1	Tyre type			Polyurethane	Polyurethane
	3.2.1	Tyre size, front		mm	Φ85x70 / Φ83x115	Φ85x70 / Φ83x115
	3.3.1	Tyre size, rear		mm	Φ230x75	Φ230x75
	3.4	Additional wheels (castor wheels)		mm	Φ130x55	Φ130x55
	3.5	Wheels, number front/rear (x=drive wheels)		mm	1 x +2/4 / 1 x + 2/2	1 x +2/4 / 1 x + 2/2
	3.6.1	Tread width, front	b10	mm	510	510
	3.7.1	Tread width, rear	b11	mm	370 / 495	370 / 495
Dimensions	4.4	Lift height	h3	mm	120	120
	4.9	Height of tiller handle in drive position min./max.	h14	mm	1075 / 1288	1075 / 1288
	4.15	Lowered height	h13	mm	85	85
	4.19	Overall length	l1	mm	1954	1954
	4.20	Length to face of forks	l2	mm	824	824
	4.21	Overall width	b1/b2	mm	734	734
	4.22	Fork dimensions	s/e/l	mm	55 x 190 x 1150	55 x 190 x 1150
	4.25	Distance between fork-arms	b5	mm	560 / 685	560 / 685
	4.32	Ground clearance, center of wheelbase	m2	mm	30	30
	4.34.1	Aisle width for pallets 1000×1200 crossways	Ast	mm	2590	2590
	4.34.2	Aisle width for pallets 800×1200 crossways	Ast	mm	2447	2447
	4.35	Turning radius	Wa	mm	1790	1790
Performance data	5.1	Travel speed, laden/unladen		km/ h	5.5 / 6	5.5 / 6
	5.2	Lifting speed, laden/unladen		m/s	0.050 / 0.054	0.050 / 0.054
	5.3	Lowering speed, laden/unladen		m/s	0.067 / 0.054	0.067 / 0.054
	5.8	Max. gradeability, laden/unladen		%	6 / 16	6 / 16
	5.10	Service brake			Electromagnetic	Electromagnetic
Electric-engine	6.1	Drive motor rating S2 60 min		kW	2.5	2.5
	6.2	Lift motor rating at S3 15%		kW	2.2	2.2
	6.4	Battery voltage/nominal capacity		V/Ah	24 / 205	24 / 280
	6.5	Battery weight		kg	62	255
Addition data	8.1	Type of drive control			AC	AC
	10.5	Steering design			Electronic	Electronic
	10.7	Sound pressure level at the driver's ear		dB(A)	74	74

If there are improvements of technical parameters or configurations, no further notice will be given.
The diagram shown may contain non-standard configurations.



Option

No.	Optional items	RPL201/RPL201H
1.1	Fork length	●1150/1220○850/1000/1300/1450/1600/1800 /2000/2200/2400
1.2	Fork width	●540/685○600/725/790/840/940/1000 /1050/1100/1200
1.3	Fork lowered height	●85
1.4	Load backrest width	●740
1.5	Load backrest height	○1220mm (48in) ○1520mm (60in)
2.1	Load wheel type	●Double ○Single
2.2	Load wheel material	●PU
2.3	Drive wheel material	●PU○Carved PU○Rubber
2.7	Battery capacity	●205Ah●210Ah (Lead-acid) ○280Ah/345Ah (Lead-acid)
2.8	Charger	●24V-100A external charger ●24V-30A external charger (Lead-acid) ○24V-50A external charger (Lead-acid)
2.9	Battery indicator	●With hourmeter
3.3	Castor wheels	●Yes and not customized
3.4	Auto battery watering system	○Yes and not customized
4.1	Battery side pull function	○Yes and not customized
4.2	Cold storage	○Yes and not customized
4.4	Weighting system with fork	○Yes and not customized
Note : ●Standard ○ Optional - Inconformity		

Option

No.	Optional items	RPL251/RPL301
1.1	Fork length	●1150/1220○850/1000/1300/1450/1600/1800 /2000/2200/2400
1.2	Fork width	●560/685○830/880/980/1040/1090/1140/1240
1.3	Fork lowered height	●85
1.4	Load backrest width	750
1.5	Load backrest height	○1220mm (48in) ○1520mm (60in)
2.1	Load wheel type	●Double○Single
2.2	Load wheel material	●PU
2.3	Drive wheel material	●PU○CarvedPU○Rubber
2.7	Battery capacity	●205Ah (Li-ion) ●280Ah (Lead-acid) ○210Ah/345Ah (Lead-acid)
2.8	Charger	●24V-100A external charger (205Ah) ●24V-30A external charger (210/280Ah) ○24V-50A external charger (345Ah)
2.9	Battery indicator	●With hourmeter
3.3	Castor wheels	●Yes
3.4	Auto battery watering system	○Yes and not customized
4.1	Battery side pull function	○Yes and not customized
Note : ●Standard ○ Optional - Inconformity		

Load Capability Chart

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				