

EP EQUIPMENT PRO

RPL25-PRO

HEAVY-DUTY LI-ION RIDE-ON PALLET TRUCK 2.5T

2500 kg | 120 mm | Li-Ion



Perfect for high-throughput logistics centers, industrial warehouses, and manufacturing facilities, the RPL PRO Series excels at long-distance pallet transport and dockside loading. Its robust construction and ergonomic design make it the go-to choice for intensive daily operation, while its compact chassis provides superior maneuverability in tight aisles or crowded storage areas.

SPECIFICATION	REF	UNIT	VALUE
Manufacturer			EP
Model designation			RPL25-PRO
Battery voltage/nominal capacity		V/Ah	24/280
Rated capacity	Q	kg	2500
Load centre distance	c	mm	600
Service weight		kg	750
Lift	h_3	mm	120
Overall length	l_1	mm	1798
Overall width	b_1/b_2	mm	770
Length to face of forks	l_2	mm	652
Fork dimensions	s/e/l	mm	55x170x1150
Turning radius	Wa	mm	1645
Drive			Electric
Operator type			Pedestrian
Load distance, centre of drive axle to fork	x	mm	976
Wheelbase	y	mm	1418

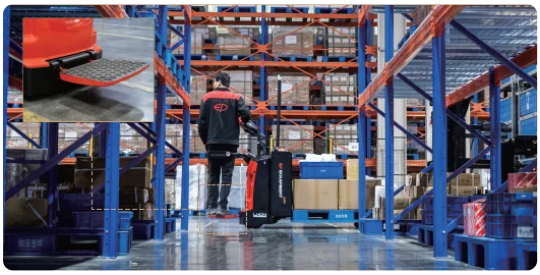
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Features



High stability

The low center of gravity, the redesigned stabilizing wheels, and the automatic speed reduction when turning ensure stable and safe driving while maintaining high productivity

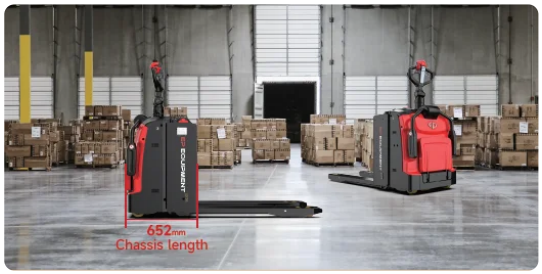


Optimized Foldable Platform Design

The new cushioned foldable platform is engineered for long-distance travel, reducing operator fatigue and enhancing comfort. Its improved vibration absorption and reinforced load capacity ensure stability and confidence during demanding operations,

Compact and Robust Chassis

With its industry-leading 652 mm chassis length (l2), the RPL PRO Series delivers excellent maneuverability in narrow aisles, especially when operated with the platform folded. Built on a sturdy frame, it offers reliable strength and smooth performance under heavy loads.





Powerful Performance, Extended Runtime, Silent Drive

The 3.0 kW drive motor enables fast, quiet operation and travelling speed up to 12.5 km/h, maintaining noise below 66 dB. The 24V 280Ah Li-ion battery supports multi-shift performance, while the external charging port allows quick and convenient recharging between shifts,

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Smart Multi-function Display

The new intelligent display combines multiple functions in one device:
. Informative display: shows speed, battery level, switch status, date, and time.
. ESP driving mode selector: to match the needs of every operator
· Parameter adjustment: allows personalized settings.
. Bluetooth connectivity: pairs with the EP Bluetooth App for easy maintenance.
. Optional operator ID: via card reader or PIN code.



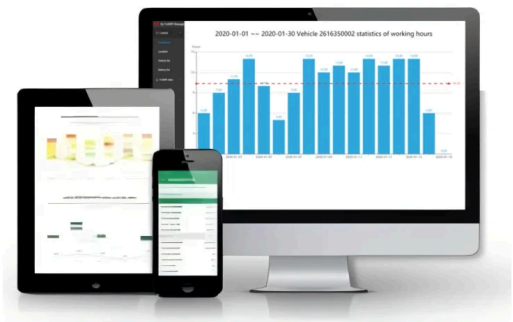


Ergonomic Design for Comfort and Safety

. Height-adjustable tiller head for adaptable ergonomics
. Reinforced arm guards for impact protection and durability
. Electric power steering with turn speed control for smooth, safe handling
· USB port and practical storage compartments for operator convenience
. Automatic power cutoff during charging cable disconnection for added safety

EP Telematics – Always Connected

EP Telematics provides real-time access to key truck data, including GPS location, working hours, battery status, charging behavior and error codes and fault records.
Remote diagnostics and battery monitoring help reduce downtime, simplify service and maximize truck uptime, while providing valuable data for smarter fleet management.



VDI Chart

	SPECIFICATION	REF	UNIT	VALUE
1.1	Manufacturer			EP
1.2	Model designation			RPL25-PRO
1.3	Drive			Electric
1.4	Operator type			Pedestrian
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	976
1.9	Wheelbase	y	mm	1418

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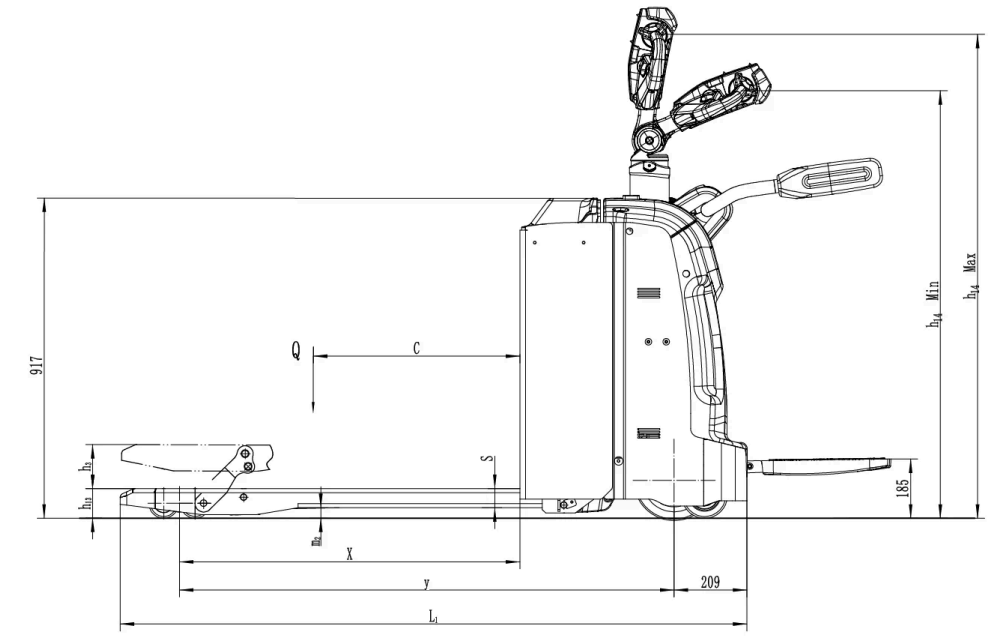
	SPECIFICATION	REF	UNIT	VALUE
2.1	Service weight		kg	750
2.2	Axle loading, laden front/rear		kg	1230/2020
2.3	Axle loading, unladen front/rear		kg	600/150
3.1	Tyres			Polyurethane
3.2	Tyre size, front		mm	Φ230x75
3.3	Tyre size, rear		mm	Φ85x70
3.4	Additional wheels (castor wheels)		mm	Φ130x55
3.5	Wheels, number front/rear (x=drive wheels)			1x+2/4
3.6.1	Tread width_front	b10	mm	554
4.4	Lift	h_3	mm	120
4.9	Height drawbar in driving position min./max.	h_{14}	mm	1130/1430
4.15	Height, lowered	h_{13}	mm	85
4.19	Overall length	l_1	mm	1798
4.20	Length to face of forks	l_2	mm	652
4.21	Overall width	b_1/b_2	mm	770
4.22	Fork dimensions	s/e/l	mm	55x170x1150
4.25	Distance between fork-arms	b_5	mm	540/685
4.32	Ground clearance, centre of wheelbase	m_2	mm	30
4.34.1	Aisle width for pallets 1000×1200 crossways	Ast	mm	2445
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	2300
4.35	Turning radius	Wa	mm	1645
5.1	Travel speed, laden/unladen		km/h	8/12.5
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		%	6/20
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	Battery voltage/nominal capacity		V/Ah	24/280
6.4.3	Battery type			Li-Ion
6.5	Battery weight		kg	76
6.6	Energy consumption according to DIN EN 16796		kWh/h	0.494 [1)]
6.7	Turnover output according to VDI 2198		t/h	1.179
6.8	Turnover efficiency according to VDI 2198		t/kWh	144.19

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	SPECIFICATION	REF	UNIT	VALUE
8.1	Type of drive unit			AC
10.5	Steering design			Electronic
10.7	Sound pressure level at the driver's seat		dB(A)	66

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



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Options

ITEM	OPTIONS (optional items marked in yellow)
Fork dimension	540*1150 | Can be customized | 540*1220 | 685*1150 | 685*1220
Fork lowered height	85
Load wheel type	Double | Single
Drive wheel material	PU | Treaded PU | Rubber
Battery capacity	24V280AH | 24V205AH
Charger	24V-100A external charger
Battery indicator	With hourmeter (Bluetooth) with ESP
Castor wheels	Yes and not customized
Telematics	Yes and not customized
Operator identification device	PIN-Code | Card reader
Load backrest height	No | 1220 mm (48in) | 1520 mm (60in)
Swipe card device	Yes and not customized | No

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