



RPL 20^{PRO}

PROFESSIONAL
HEAVY-DUTY RIDE-ON PALLET TRUCK
WITH FOLDABLE PLATFORM 2000KG



EP EQUIPMENT^{PRO}



RPL 20^{PRO}

The RPL 20 PRO is a professional heavy-duty ride-on pallet truck designed for intensive logistics operations. Featuring a cushioned, foldable platform, it ensures operator comfort even over long distances. With a top travel speed of 12.5 km/h, it delivers excellent efficiency for large warehouses, while its compact design allows easy handling in narrow spaces when the platform is folded. Equipped with a 280Ah Li-ion battery, electric power steering, and a height-adjustable tiller head, the RPL 20 PRO offers flexibility and comfort across various applications. Its user-oriented design and advanced components make it a reliable partner for high-performance material handling.



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 20 PRO 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 standard 280Ah Li-ion battery supports multi-shift performance, while the external charging port allows quick and convenient recharging between shifts.

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

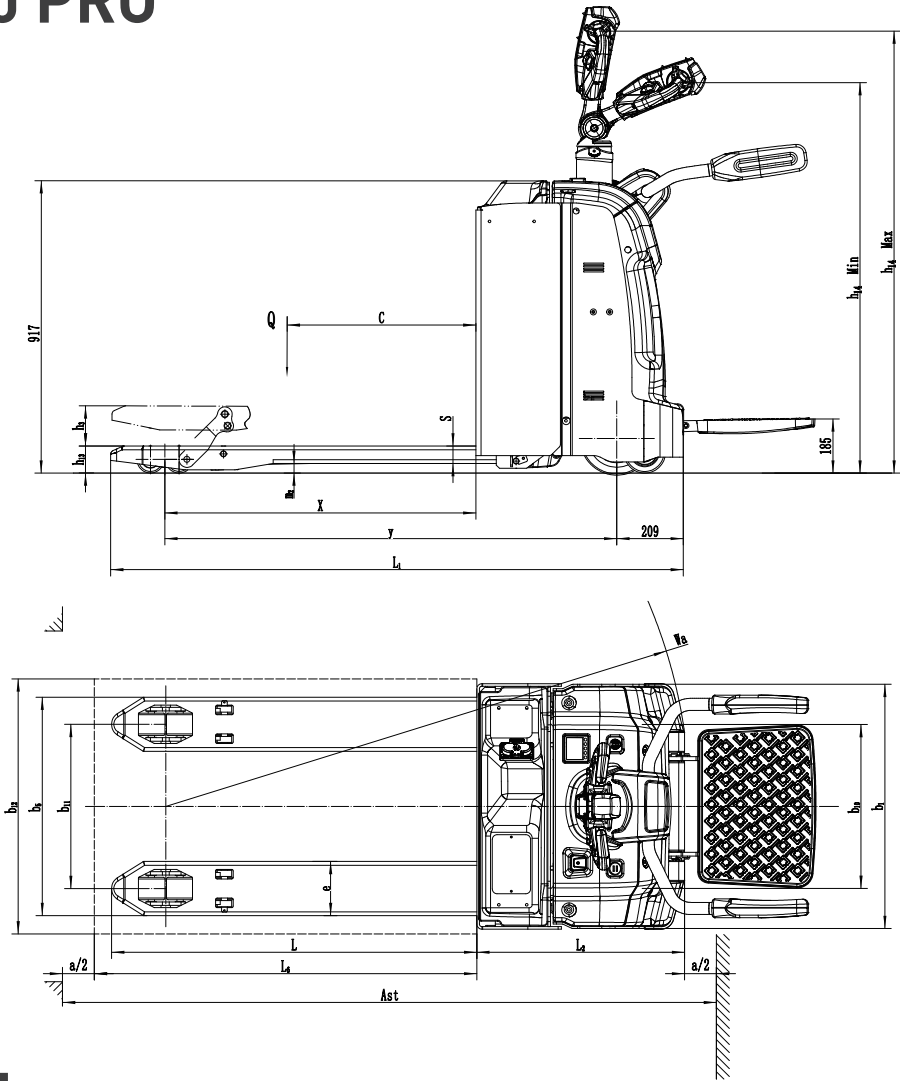


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Distinguishing mark	1.1	Manufacturer			EP
	1.2	Modello			RPL 20 PRO
	1.3	Drive			Electric
	1.4	Operator type			Pedestrian
	1.5	Load capacity	Q	kg	2000
	1.6	Load center distance	c	mm	600
	1.8	Load distance, centre of drive axle to fork	x	mm	976
	1.9	Wheelbase	y	mm	1418
Service weight	2.1	Service weight		kg	750
	2.2	Axle loading, laden front/rear		kg	1130/1620
	2.3	Axle loading, unladen front/rear		kg	600/150
Tyres/chassis	3.1	Tyre type			Polyurethane
	3.2	Tyre size, front			Φ230x75
	3.3	Tyre size, rear			Φ85x70
	3.4	Additional wheels (castor wheels)		mm	Φ130x55
	3.5	Wheels, number front/rear (x=drive wheels)		mm	1x+2/4
	3.6.1	Tread width, front	b10	mm	554
	3.7.1	Tread width, rear	b11	mm	370/515
Dimensions	4.4	Lift height	h3	mm	120
	4.9	Height of tiller handle in drive position min./max.	h14	mm	1200/1385
	4.15	Lowered height	h13	mm	85
	4.19	Overall length	l1	mm	1798
	4.20	Length to face of forks	l2	mm	652
	4.21	Overall width	b1/b2	mm	770
	4.22	Fork dimensions	s×e×l	mm	55x170x1150
	4.25	Fork spread	b5	mm	540/685
	4.32	Ground clearance, center of wheelbase	m2	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
Performance data	5.1	Travel speed, laden/unladen		km/h	9.5/12.5
	5.2	Lifting 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		%	8/16
	5.10	Service brake			Electric/hydraulic
Electric-engine	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	24/280AH
	6.5	Battery weight		kg	76
	6.6	Energy consumption according to DIN EN 16796		kWh/h	0.317 'ii
	6.7	Turnover output according to VDI 2198		t/h	136
	6.8	Turnover efficiency according to VDI 2198		t/kWh	163.66
Addition data	8.1	Type of drive control			AC
	10.5	Steering design			Electronic
	10.7	Sound pressure level at the driver's ear		dB(A)	66

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Option:

Option Items	RPL 20 PRO
Fork dimension	●540*1150○540*850、1000、1220、1300、1450、1600、1800、2000、2200、2400○685*850、1000、1150、1220、1300、1450、1600、1800、2000、2200、2400
Fork lowered height	● 85
Fork carriage width	● 750
backrest height	● No○ 1220mm (48in) ○ 1520mm (60in)
Load wheel type	● Double○ Single
Load wheel material	● PU
Drive wheel material	● PU○ Trace PU○ Rubber
Battery capacity	● 280Ah (Li-ion)○ 205Ah (Li-ion)
Charger	●24V-100A external charger
Battery indicator	●With hourmeter(Bluetooth)
Castor wheels	● Yes and not customized
Card reader	●No ○Yes and not customized
Pin Code	●No ○Yes and not customized
Telematics	●No○Yes and not customized
Note: ●Standard ○ Optional - Inconformity	