

RPL20 PRO

HEAVY-DUTY LI-ION RIDE-ON PALLET TRUCK 2.0T

 120 mm  24 V Li-Ion



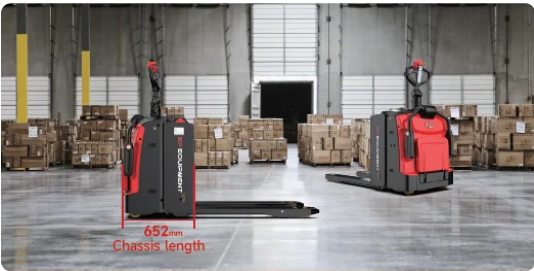
Perfect for high-throughput warehouses, logistics centers, and manufacturing facilities, the RPL 20 PRO excels in long-distance pallet transport and loading dock operations. Its foldable cushioned platform and reinforced arm guards offer operator comfort and safety during extended shifts, while the compact design allows easy maneuverability in tight aisles. Whether used for cross-docking, trailer loading, or rapid pallet transfer, it ensures reliable, efficient handling in every environment.

SPECIFICATION	REF	UNIT	VALUE
Battery type			Li-Ion
Battery nominal capacity		Ah	280AH
Battery voltage		V	24
Load centre distance	c	mm	600
Service weight		kg	670
Lift height	h ₃	mm	120
Overall length		mm	1954
Overall width	b ₁ /b ₂	mm	734
Length to face of forks	l ₂	mm	804
Fork dimensions	s/e/l	mm	55 x 170 x 1150
Turning radius		Wa	1806
Operator type			Standing
Load distance, centre of drive axle to fork		mm	980
Wheelbase		mm	1531
Axle loading, laden front/rear		kg	1060 / 1610
Axle loading, unladen front/rear		kg	540 / 130

Features

Highest driving speed of the cathegory combined with the smallest frame size

The RPL 20 PRO's newly designed foldable platform includes vibration-absorbing cushioning that reduces operator fatigue during long shifts. It provides superior stability and comfort, even when transporting heavy loads across extended distances.



Compact and Robust Chassis

With an industry-leading 652 mm chassis length, the RPL 20 PRO offers exceptional maneuverability in narrow aisles or confined spaces. The reinforced frame ensures smooth operation and durability under full 2.0-ton loads.

Smart Digital Display and ESP Drive Modes

The intelligent multi-function display combines battery level, speed, and operating status indicators with Bluetooth connectivity and ESP drive mode selection, allowing each operator to customize driving behavior for maximum productivity and safety.

Li-Ion battery up to 24V 280Ah + external charging plug for maximum convenience

Ergonomic and Safe by Design

A height-adjustable tiller, electric power steering, and reinforced arm guards improve operator comfort and protection. Built-in USB ports and storage compartments enhance convenience, while automatic power cut-off ensures safety during charging or cable disconnection.

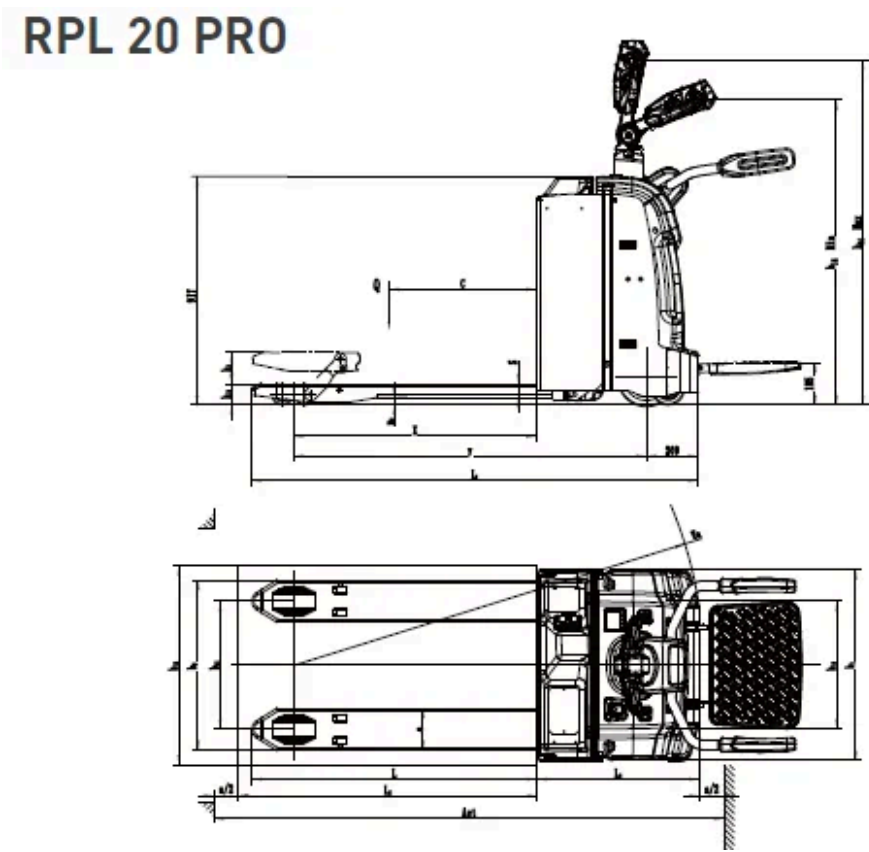
VDI Chart

	SPECIFICATION	REF	UNIT	VALUE
1.4	Operator type			Standing
1.6	Load centre distance	C	mm	600

	SPECIFICATION	REF	UNIT	VALUE
1.8	Load distance, centre of drive axle to fork		mm	980
1.9	Wheelbase		mm	1531
2.1	Service weight		kg	670
2.2	Axle loading, laden front/rear		kg	1060 / 1610
2.3	Axle loading, unladen front/rear		kg	540 / 130
3.1	Tyre type			Polyurethane
3.2	Tyre size, front			Φ230x75
3.3	Tyre size, rear			Φ85x70 / Φ83x115
3.5	Additional wheels (castor wheels)			Φ130x55
3.5	Wheels, number front/rear (x=drive wheels)			1 x +2 / 4 / 1 x + 2 / 2
3.6	Tread width, front	b ₁₀	mm	510
3.7	Tread width, rear	b ₁₁	mm	370 / 515
4.15	Lowered height			85
4.19	Overall length		mm	1954
4.20	Length to face of forks	12	mm	804
4.21	Overall width	b ₁ /b ₂	mm	734
4.22	Fork dimensions	s/e/1	mm	55 x 170 x 1150
4.25	Distance between fork-arms			540 / 685
4.32	Ground clearance, centre of wheelbase		mm	30
4.34.1	Aisle width for pallets 1000×1200 crossways		Ast	2606
4.34.2	Aisle width for pallets 800×1200 lengthways		Ast	2463
4.35	Turning radius		Wa	1806
4.4	Lift height	h ₃	mm	120
4.4.1	Max lift height		mm	120
4.9	Height of tiller handle in drive position min./max.			1075 / 1288
5.1	Travel speed, laden/unladen		km/h	9 / 12
5.10	Service brake			Electromagnetic
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
6.1	Drive motor rating S2 60 min		kW	3.0
6.2	Lift motor rating at S3 15%		kW	2.2
6.4	Battery nominal capacity		Ah	280AH
6.4	Battery voltage		V	24
6.4.1	Battery type			Li-Ion

	SPECIFICATION	REF	UNIT	VALUE
6.5	Charger output current			76
8.1	Type of drive control			AC
10.5	Steering design			Electronic
10.7	Sound pressure level at the drivers ear		dB(A)	66

VDI Drawing



Options

ITEM	OPTIONS (optional items marked in yellow)
Fork dimension	540*1150 540*850 540*1000 540*1220 540*1300 540*1450 540*1600 540*1800 540*2000 540*2200 540*2400 685*850 685*1000 685*1150 685*1220 685*1300 685*1450 685*1600 685*1800 685*2000 685*2200 685*2400
Fork lowered height	85
Fork carriage width option	750
Backrest height	no 1220mm (48in) 1520mm (60in)

ITEM	OPTIONS (optional items marked in yellow)
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 display indicator (BDI)	With hourmeter(Bluetooth)
Telematics	No Yes and not customized
Castor wheels	Yes and not customized
Pin code	No Yes and not customized
Swipe card device	No Yes and not customized