



RPL201

HEAVY-DUTY RIDE-ON PALLET TRUCK 2.0T

2000 kg 120 mm 24 V Lead Acid/Li-ion



Ideal for heavy-duty, long-distance transport in warehouses and logistics hubs, the RPL201 ensures smooth operation in demanding conditions. Its foldable suspended platform and protective sidearms allow comfortable ride-on use, while creep speed control and ergonomic steering make it equally efficient in confined areas. Suitable for distribution centers, loading docks, and large storage facilities requiring continuous pallet movement.

SPECIFICATION	REF	UNIT	VALUE
Battery type			Lead Acid/Li-ion
Battery nominal capacity		Ah	205 210
Battery voltage		V	24
Load capacity	Q	kg	2000
Load centre distance	c	mm	600
Service weight		kg	670 755
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	55x170x1150
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 1090/1665

Features

Heavy-duty ride-on design

Equipped with a foldable suspended platform and sidearms, the RPL201 is built for long-distance, high-intensity operations. The platform design reduces operator fatigue while ensuring comfort and safety during extended shifts.



Powerful Li-ion technology

Powered by a 24V/205Ah maintenance-free Li-ion battery, the truck supports rapid and opportunity charging through an external plug. This eliminates downtime and maximizes productivity across multi-shift operations.

Enhanced travel stability

A lowered center of gravity, repositioned stabilizing wheels, and optimized counterweight provide smooth and stable driving behavior. Automatic speed reduction during turns further enhances operator and load safety.



Operator-focused ergonomics

With proportional electric steering, ergonomic tiller, and improved fork tip visibility, the RPL201 ensures precise maneuverability. Integrated storage and reinforced back cover protection add convenience and durability for daily use.

VDI Chart

	SPECIFICATION	REF	UNIT	VALUE
1.4	Operator type			Standing
1.5	Load capacity	Q	kg	2000
1.6	Load centre distance	c	mm	600
1.8	Load distance, centre of drive axle to fork		mm	980
1.9	Wheelbase		mm	1531
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
3.1	Tyre type			Polyurethane
3.2	Tyre size, front		mm	Φ230x75
3.3	Tyre size, rear		mm	Φ85x70/Φ83x115
3.4	Additional wheels (castor wheels)		mm	Φ130x55
3.5	Wheels, number front/rear (x=drive wheels)			1x+2/4 1x+2/2
3.6.1	Tread width, front	b ₁₀	mm	510
3.7.1	Tread width, rear	b ₁₁	mm	370/515
4.0	Max lift height	H	mm	120
4.15	Lowered height			85
4.19	Overall length		mm	1954
4.20	Length to face of forks	l ₂	mm	804
4.21	Overall width	b ₁ /b ₂	mm	734
4.22	Fork dimensions	s/e/l	mm	55x170x1150
4.3	Free lift		mm	N/A
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
4.9	Height of tiller handle in drive position min./max.			1075/1288
5.1	Travel speed, laden/unladen		km/h	7.5/8
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

Options

ITEM	OPTIONS (optional items marked in yellow)
Fork lowered height	85
Load wheel type	Double Single
Load wheel material	PU
Drive wheel material	PU Carved PU Rubber
Battery capacity	205Ah 210Ah (Lead-Acid) 280Ah/345Ah
Charger	24V-100A external charger 24V-30A external charger (Lead-acid) 24V-50A external charger (Lead-acid)
Battery display indicator (BDI)	With hourmeter
Castor wheels	Yes and not customized
Water auto-filling system	Yes and not customized
Battery side pull function	Yes and not customized
Cold storage	Yes and not customized
Fork length	1150/1220 850/100/1300/1450/1600/1800/2000/2200/2400
Fork width	540/685 600/725/790/840/940/1000 /1050/1100/1200
Load backrest height	1220mm (48in) 1520mm (60in)
Load backrest width	740
Weighting system with fork	Yes and not customized