

Electric Pedestrian Reach Truck

RQL151

ELECTRIC PEDESTRIAN REACH TRUCK 1.5T

1500 kg

5000 mm

24 V Li-Ion

Product: RQL151,201



The RQL151/201 series is perfectly suited for distribution centers, logistics hubs, and warehouses requiring efficient high stacking and load handling. Its counterbalance design without straddle legs allows for handling a variety of pallets, while the foldable platform with protective arms makes it adaptable for both short pedestrian tasks and long-distance travel. With precise proportional control and a retractable mast, it ensures smooth load handling of fragile or valuable goods. Optional cold storage adaptations further broaden its usability across different industries.

SPECIFICATION	REF	UNIT	VALUE
Battery type			Li-Ion
Battery nominal capacity K5		Ah	205
Battery voltage		V	24
Rated capacity	Q	kg	1500
Load centre distance	c	mm	500
Service weight		kg	1840
Height, mast lowered	h ₁	mm	2065
Lift	h ₃	mm	3000
Height, mast extended	h ₄	mm	4020
Overall length	l ₁	mm	2377
Overall width	b ₁ /b ₂	mm	900/1018
Length to face of forks	l ₂	mm	1303
Fork dimensions	s/e/l	mm	40/100/1070
Turning radius	Wa	mm	1706
Manufacturer			RQL151
Model designation			EP

Features

Versatile design with foldable platform

The RQL151/201 supports both pedestrian and ride-on operation, offering excellent maneuverability in narrow aisles and efficiency in long-distance travel. Its counterbalance design handles multiple pallet types, and the retractable mast extends forward for smooth load placement without repositioning.



Reliable lithium power system

Both models come equipped with maintenance-free Li-ion batteries: 24V/205Ah for the RQL151 and up to 24V/280Ah for the RQL201. The dedicated external charging port with protective cover ensures durability against dust and water, supporting flexible opportunity charging.



Smooth and precise operation

With its upgraded AC drive and hydraulic systems, the RQL151/201 ensures precise control of lifting, lowering, and mast reach. The proportional tiller head provides smooth handling, while mast buffering technology minimizes sway, making it ideal for fragile goods handling.



Easy serviceability and reduced downtime

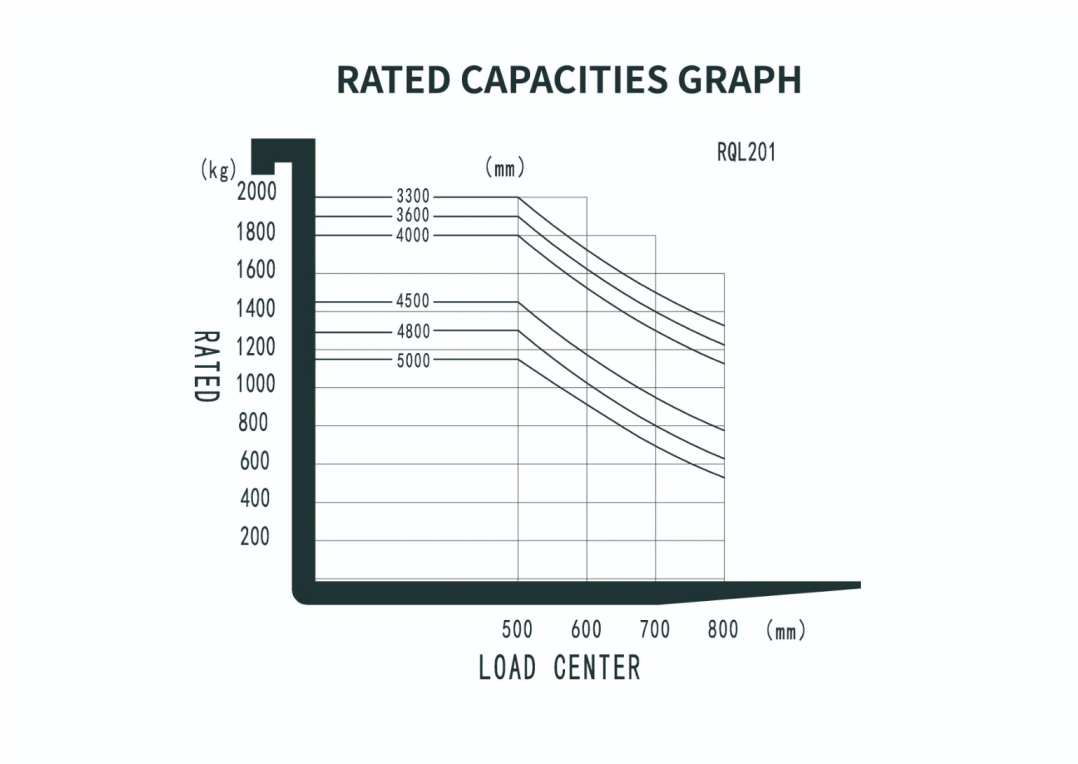
Designed for user-friendly maintenance, the truck features a durable AC motor and a simple six-bolt removable front cover for quick inspections. This reduces service interruptions, ensuring higher productivity and lower total cost of ownership.

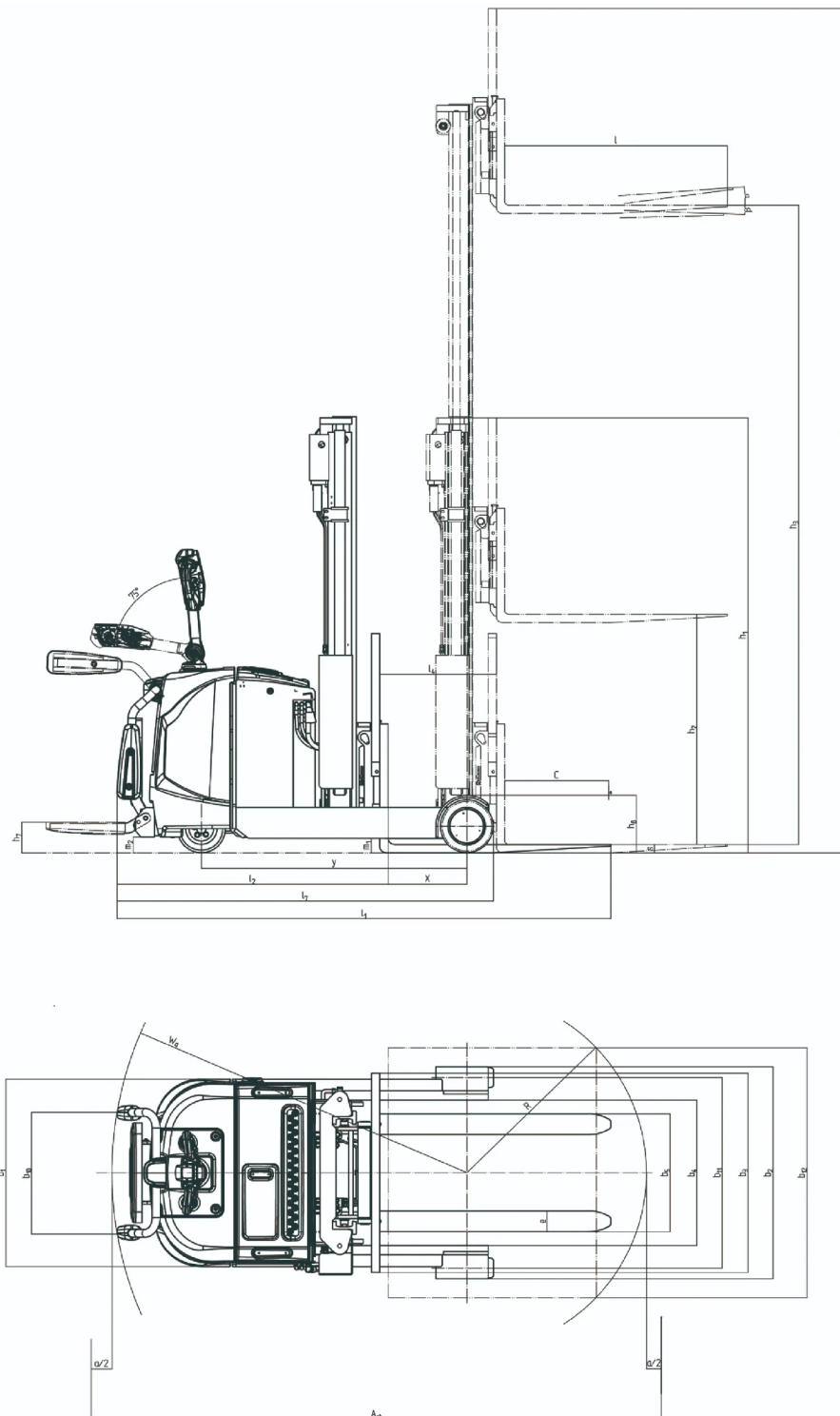


VDI Chart

	SPECIFICATION	REF	UNIT	VALUE
1.1	Manufacturer			RQL151
1.2	Model designation			EP
1.3	Drive			Electric
1.4	Operator type			Pedestrian
1.5	Rated capacity	Q	kg	1500
1.6	Load centre distance	c	mm	500
1.8	Load distance, centre of drive axle to fork	x	mm	383
1.9	Wheelbase	y	mm	1280
2.1	Service weight		kg	1840
2.2	Axle loading, laden front/rear		kg	318/3022
2.3	Axle loading, unladen front/rear		kg	1365/475
3.1	Tyres			Polyurethane
3.2	Tyre size, front		mm	Φ230×90
3.3	Tyre size, rear		mm	Φ254×102
3.5	Wheels, number front/rear (x=drive wheels)			1x+/2
3.7	Tread width, rear	b ₁₁	mm	914
4.1	Tilt of mast/fork carriage forward/backward		°	2/4
4.2	Height, mast lowered	h ₁	mm	2065
4.4	Lift	h ₃	mm	3000
4.5	Height, mast extended	h ₄	mm	4020
4.8	Seat height relating to SIP/stand height	h ₇	mm	148
4.10	Height of wheel arms		mm	276
4.19	Overall length	l ₁	mm	2377
4.20	Length to face of forks	l ₂	mm	1303
4.21	Overall width	b ₁ /b ₂	mm	900/1018
4.22	Fork dimensions	s/e/l	mm	40/100/1070
4.23	Fork carriage ISO 2328, class/type A, B			2A
4.24	Fork carriage width		mm	956
4.25	Distance between fork-arms	b ₅	mm	200-650
4.26	Distance between wheel arms/loading surfaces			698
4.31	Ground clearance, laden, below mast		mm	75
4.32	Ground clearance, centre of wheelbase	m ₂	mm	70

SPECIFICATION		REF	UNIT	VALUE
4.34.1	Aisle width for pallets 1000×1200 crossways	Ast	mm	2770
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	2820
4.35	Turning radius	Wa	mm	1706
5.1	Travel speed, laden/unladen		km/h	5.5/6.0
5.2	Lift speed, laden/unladen		m/s	0.16/0.22
5.3	Lowering speed, laden/unladen		m/s	0.26/0.22
5.8	Max. gradeability, laden/unladen		%	6/10
5.10	Service brake			Electromagnetic
5.11	Parking brake			Electromagnetic
6.1	Drive motor rating S2 60 min		kW	1.6
6.2	Lift motor rating at S3 15%		kW	3
6.4	Battery nominal capacity K5		Ah	205
6.4	Battery voltage		V	24
6.4.1	Battery type			Li-Ion
6.5	Battery weight		kg	60
8.1	Type of drive unit			AC
10.5	Steering design			Electronic
10.7	Sound pressure level at the driver's seat		dB(A)	74
15.1	Charger output current		A	100





Mast Options

MAST TYPE	LIFT HEIGHT (H3, MM)	MAST LOWERED HEIGHT (H1, MM)	MAST EXTENDED HEIGHT, NO BACKREST (H4, MM)	MAST EXTENDED HEIGHT, WITH BACKREST (H4, MM)	FREE LIFT HEIGHT, NO BACKREST (H2, MM)	FREE LIFT HEIGHT, WITH BACKREST (H2, MM)
2-Standard Mast	2500	1815	3065	3520	-	-
2-Standard Mast	2700	1915	3265	3720	-	-

MAST TYPE	LIFT HEIGHT (H3, MM)	MAST LOWERED HEIGHT (H1, MM)	MAST EXTENDED HEIGHT, NO BACKREST (H4, MM)	MAST EXTENDED HEIGHT, WITH BACKREST (H4, MM)	FREE LIFT HEIGHT, NO BACKREST (H2, MM)	FREE LIFT HEIGHT, WITH BACKREST (H2, MM)
2-Standard Mast	3000	2065	3565	4020	-	-
2-Standard Mast	3300	2215	3865	4320	-	-
2-Standard Mast	3600	2365	4165	4620	-	-
2-Standard Mast	4000	2565	4565	5020	-	-
3-Free Mast	3500	1735	4125	4520	1095	760
3-Free Mast	4000	1900	4630	5020	1255	925
3-Free Mast	4500	2065	5125	5520	1425	1090
3-Free Mast	4800	2165	5425	5820	1525	1190
3-Free Mast	5000	2230	5630	6020	1585	1255

Options

ITEM	OPTIONS (optional items marked in yellow)
Fork dimension	900*600 , 2A、100*40*1070 900*600、2A、100*40*920 900*600 , 2A、100*40*1150 900*600、2A、100*40*1220 900*600 , 2A、100*40*1370 900*600、2A 、100*40*1520
Fork lowered height	40
Backrest height	945 1220mm (48in)
Load wheel type	Single
Load wheel material	PU
Drive wheel material	PU
Battery capacity	24V/205Ah Li-ion
Charger	24V-50A external charger 24V-100A external charger
Battery display indicator (BDI)	With hourmeter (Bluetooth)
Attachments	No Built-in shifter
Buzzer	No Yes and not customized
Telematics	No Yes and not customized
Forks tilt forward and backward	Yes and not customized
Special AUS/NZ options	Yes and not customized

ITEM	OPTIONS (optional items marked in yellow)
Turn speed control	Yes and not customized
Operator identification device	No Card reader
Lifting electronic limit	Yes and not customized