

Electric Reach Truck



Model: CQD16-Li

AC
EPS

Advantages:

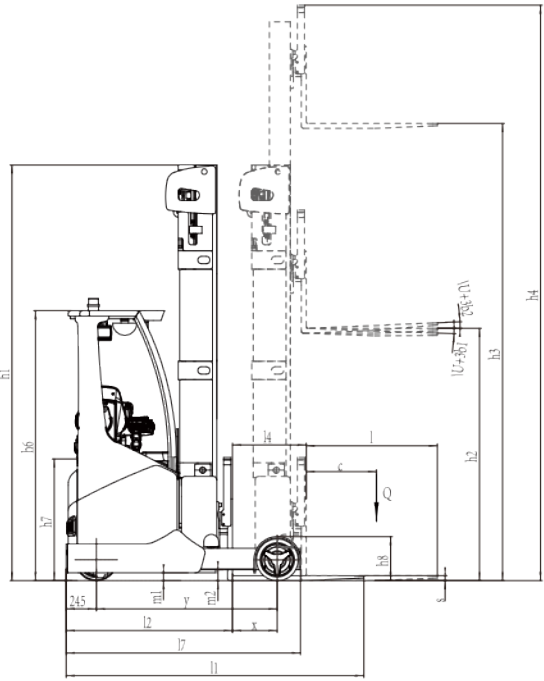
CQD16-Li is a newly developed li-ion oriented mode, with a compact body and new appearance design, It is suitable for a very narrow aisles warehouse using, which is ideal model for handling, transporting and stacking in large warehouses and supermarkets.

- The console panel is adjustable up/down, forward/back.
- The integrated console is convenient to operate.
- The mast system is newly designed and the overall offset design with width 690mm, narrower 767mm than CQD20-D,the operation compartment is much more wider .
- Standard with Integral sideshift, which has low loss of load with less weight loss .
- The oil pipe adopts polyurethane pipe with German imported, which has the properties of oil resistance, wear resistance, aging resistance, and stretch resistance.
- The cabin roof adopts a new design, which will have better views.
- With Sunken operation panel guarantees better operating views.
- FULL AC control system with Inmotion controller.
- All electric parts are used integrated modular design, it is easy for installation/maintenance.
- Adopt CAN communication technology, detect motor speed, temperature and other information in real time to achieve closed-loop control.
- Driving Gear box is KORDEL made in GERMANY.
- AC type variable frequency traction motor, which have Intelligently optimized steering speed control system: The system analyzes the tire angle, driving direction and steering direction, and then automatically adjusts the speed to achieve maximum safety performance.
- The hydraulic pump motor and proportional valve control system , all hydraulic function operations (lifting/lowering, mast moving ,sideshift) can be controlled proportionally .
- Large-screen color instrument, real-time display of vehicle speed, working mode, working time, battery power, wheel angle and faults and other information.
- With ID and or password login interface.
- With height positioning system, you can select the different height to stop at the racking height automatically.



1KG=2.205LB 1INCH=25.40MM

Characteristics	1.2 Manufacturer's type designation		CQD16-Li
	1.3 Drive type		Electric
Weight	1.4 Operator type		Seated
	1.5 Rated capacity	Q(kg)	1600
	1.6 Load center distance	c(mm)	600
	1.8 Load distance	x(mm)	370
Chassis	1.9 Wheelbase	Y(mm)	1475
	2.1 Service weight(with battery)	kg	Serialization
	2.3 Axle loading, unladen front/rear	kg	
	2.4 Axle loading, fork advanced, laden front/rear	kg	
	2.5 Axle loading, fork retracted, laden front/rear	kg	
Dimensions	3.1 Wheel (Rubber, PU)		PU
	3.2 Tyre size, front	mm	343x140
	3.3 Tyre size, rear	mm	340x114
	3.5 Wheels, number front/rear (× = driving wheels)		1x/2
	3.7 Tread, rear	b11(mm)	1146
Performance	4.1 Tilt of mast/fork carriage forward/backward	α/β (°)	2/4
	4.2 Height, mast lowered	h1(mm)	Serialization(see list for details)
	4.3 Free lift	h2(mm)	
	4.4 Lifting height	h3(mm)	
	4.5 Height, mast extended	h4(mm)	
	4.7 Height of overhead guard (cabin)	h6(mm)	2200
	4.8 Seat height relating to SIP/stand height	h7(mm)	1100
	4.10 Height of wheel arms	h8(mm)	360
	4.19 Overall length	l1(mm)	2420
	4.20 Length to face of forks	l2(mm)	1350
	4.21 Overall width across chassis	b1b2(mm)	1270
	4.22 Fork dimensions DIN ISO 2331	s/e/l(mm)	40/100/1070
	4.23 Fork dimensions DIN ISO 2331		2B
	4.24 Fork-carriage width	b3(mm)	891
	4.25 Fork spread	b5(mm)	730
Motors	4.26 Distance between wheel arms/loading surfaces	b4(mm)	900
	4.28 Reach distance	l4(mm)	600
	4.31 Ground clearance, below mast	m1(mm)	98
	4.32 Ground clearance, centre of wheelbase	m2(mm)	65
	4.34.1 Aisle width for pallets 1000 × 1200 crossways	Ast(mm)	2790
Others	4.34.2 Aisle width for pallets 800 × 1200 lengthways	Ast(mm)	2840
	4.35 Turning radius	Wa(mm)	1720
	4.37 Length across wheel arms	l7(mm)	1910
	5.1 Travel speed, laden/unladen	Km/h	14/14
	5.2 Lift speed, laden/unladen	m/s	0.5/0.7
Performance	5.3 Lower speed, lade/unladen	m/s	0.55/0.5
	5.4 Reach speed, laden/unladen	m/s	0.15/0.15
	5.7 Gradeability, laden/unladen	%	10/15
	5.8 Max.Gradeability, laden/unladen	%	10/15
	6.1 Drive motor rating S2 60 min	kW	11
Motors	6.2 Lift motor rating at S3 15%	kW	20
	6.4 Battery voltage/nominal capacity Ks	V/Ah	80V260(350)/Ah
	6.5 Battery weight (±5%)	kg	340
Others	10.1 Working pressure	bar	160
	10.7 Noise level at operator's ear, according to DIN12053	dB(A)	65



Max.Lifting height	h3(mm)	5000	6200	7400	8000	8600	9500	10200	10750	11100
Capacity,mast extended	kg	1600	1550	1350	1300	1250	1050	950	900	800
Height, mast lowered	h1(mm)	2348	2748	3198	3398	3598	3898	4200	4383	4500
Free lift(With shelf)	h2(mm)	1383	1783	2233	2433	2633	2933	3235	3418	3535
Free lift(Without shelf)		1636	2036	2536	2736	2936	3236	3516	3700	3816
Height, mast extended	h4(mm)	5965	7165	8365	8965	9565	10465	11165	11715	12065

