

Electric Reach Truck

Model: CQD10M/15M



Oil tube inside of the mast with clean wire communications



With battery handle controller can automatically remove out battery box.



Integrated structure of drive system and steering system



Optional of battery changing trolley



Model: CQD10L/15L

Advantages:

The CQD series Counterbalanced Reach lift truck developed by Ningbo Ruyi, with innovative design and application-oriented functionality, low noise, no pollution and a small turning radius. With its high lifting height and good stability, it is widely used for high-shelves operation in narrow aisle warehouses, supermarkets, etc.

Features:

- Truck with small width from 1020-1100mm, turning radius from 1700-1740mm and narrow cabin to ensure trucks can be used in drive-in racks.
- Available in either DC or AC power options.
- For daily maintenance of the battery, you DON'T NEED to hang up the battery box. Simply using a battery handle controller, you can automatically remove and replace the battery box.
- Equipped with two separate floating devices, which enhances stability in terms of structure, reducing weight, and prolonging the working life of the driving wheels.
- Full hydraulic steering system, with integrative design of driving and steering, provides low-effort and flexible power steering.
- Integrated driving and turning systems.
- A fully hydraulic steering system ensures flexible turning, and requires less maintenance.
- Optional high-level video system places a camera in the top skid, allowing the operator enhanced visibility.
- Height selection and height positioning system is a high-level configuration, which with manual and automatic control, for automatic positioning with a keypad, enabling the operator to choose the appropriate lift height (optional).

Option

- AC power system
- Joystick hydraulic controller
- LCD display and camera
- Height selection and height position system

MODEL		CQD10L			CQD15L			CQD10M			CQD15M		
Power		electric			electric			electric			electric		
Operation type		standing			standing			seated			seated		
Capacity/rated load	Q(kg)	1000			1500			1000			1500		
Lift height	h_2 (mm)	3000	5000	6200	3000	5000	6200	3000	5000	6200	3000	5000	6200
Load centre distance	c(mm)	500			500			500			500		
Load distance, centre of drive axle to fork	x(mm)	360	320	320	390	320	320	390	390	390	390	390	390
Wheelbase	Y(mm)	1380	1480	1480	1480	1480	1480	1480	1480	1480	1480	1480	1480
Service weight	kg	2140	2540	2640	2340	2740	2840	2200	2600	2700	2400	2800	2900
Axle loading, unladen front/rear	kg	~			~			~			~		
Tyres type		polyurethane			polyurethane			polyurethane			polyurethane		
Drive wheel	mm	Φ 280x100			Φ 280x100			Φ 280x100			Φ 280x100		
Fork wheel	mm	Φ 250x80			Φ 250x80			Φ 285x80			Φ 285x80		
Wheels, number front rear (x=driven wheels)		3,2			3,2			3,2			3,2		
Tread, front	b_0 (mm)	660			660			740			740		
Tread, rear	b_1 (mm)	896			896			996			996		
Tilt of mast/fork carriage forward/backward	α, β (Grad)	3,5(mast)	3,5(forks)	3,5(forks)	3,5(mast)	3,5(forks)	3,5(forks)	2,3(mast)	~	~	2,3(mast)	~	~
Height, mast lowered	h_1 (mm)	2086	2240	2640	2086	2240	2640	2086	2240	2640	2086	2240	2640
Free lift	h_2 (mm)	~			~			~			~		
Height, mast extended	h_2 (mm)	3800	5800	7000	3800	5800	7000	3800	5800	7000	3800	5800	7000
Height of overhead guard(cabin)	h_3 (mm)	2200			2200			2114			2114		
Seat height/stand height	h_4 (mm)	295			295			920			920		
Height of crura	h_5 (mm)	270			270			270			270		
Overall length	l_1 (mm)	2360			2360			2390			2390		
Length(barring fork)	l_2 (mm)	1700			1800			1850			1850		
Overall width	b_1 (mm)	1020			1020			1100			1100		
Fork dimensions	s/e/l(mm)	36/100/1070			40/100/1070			36/100/1070			40/100/1070		
Fork carriage DIN 15173, class/type A,B		A			A			A			A		
Fork-carriage width	b_2 (mm)	660			660			928			928		
Distance between fork-arms	b_3 (mm)	660			660			680			680		
Distance between support arms/loading surfaces	b_4 (mm)	688			688			800			800		
Reach distance	l_3 (mm)	600			600			600			600		
Ground clearance, laden, below mast	m_1 (mm)	90			90			90			90		
Ground clearance, centre of wheelbase	m_2 (mm)	80			80			80			80		
Aisle width for pallets 1000x1200 crossways	A_0 (mm)	2800			2800			2800			2800		
Aisle width for pallets 800x1200 lengthways	A_1 (mm)	2850			2850			2850			2850		
Turning radius	W_1 (mm)	1700			1700			1740			1740		
Travel speed, laden/unladen	Km/h	7/7.2			7/7.2			7/7.2			7/7.2		
Lift speed, laden/unladen	m/s	0.19/0.2			0.19/0.2			0.19/0.2			0.19/0.2		
Lowering speed, laden/unladen	m/s	0.5/0.4			0.5/0.4			0.5/0.4			0.5/0.4		
Reaching speed, laden/unladen	m/s	0.1/0.1			0.1/0.1			0.1/0.1			0.1/0.1		
Gradeability, laden/unladen	%	10,12			10,12			10,12			10,12		
Acceleration time, laden/unladen	s	3/4			3/5			3/4			3/5		
Service brake		mechanical			mechanical			mechanical			mechanical		
Battery voltage, nominal capacity K5	V/Ah	48/400			48/400			48/400			48/400		
Battery weight	Kg	550			550			550			550		
Battery dimensions l/w/h	mm	983x404x630			983x404x630			1092x336x650			1092x336x650		
Type of drive control		DC/AC			DC/AC			DC/AC			DC/AC		
Operating pressure for attachments	bar	100	120	120	140	150	150	100	120	120	140	150	150
Sound level at the driver's ear acc. to DIN 12053	dB(A)	70			70			70			70		

DIMENSIONS

