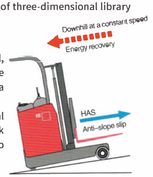
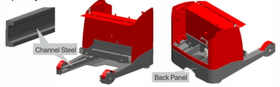
CQD16 Front mounted forklift Vehicle advantages

- Standard battery is 500Ah, the max. optional is 775Ah.

- Channel steel imported from Germany,Max. Up to 10.7m, can meet the needs of three-dimensional library of different heights
- Ramp parking system
  Release the brake pedal, when going downhill, the truck runs slowly at a constant speed,it will stop.
  Release the brake pedal when going uphill, the truck will stay on the slope to avoid slipping.



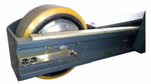
- The chassis of the frame is firm and stable, and the forward guide rail is made of H-shaped channel steel imported from Germany, which has strong bearing capacity



- Turning speed limit function
  When the steering angle of the driving wheel is ＞30 °, the driving speed of the truck is automatically limited.
  Emergency braking function
  Release left foot, automatic brake

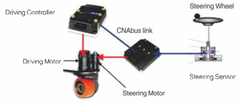
- When the forks rises beyond the range of free lifting height, it will automatically switch to lowspeed driving

- Imported electric braking



- Multi function intelligent instrument,Live preview speed, power, steering wheel position, fault code, etc

- Electronic steering, laborsaving and sensitive operation



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2020/05/28

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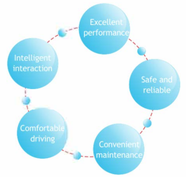
JAC FORKLIFT

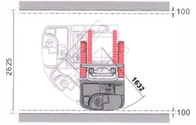
CQD15L / CQD16 / CQD20

JAC FORKLIFT

CQD15L Station drive forward forklift Vehicle advantages



- Min turning radius: 1632mm
  Min right angle stacking width
  (pallet size 1100 × 1100): 2625mm

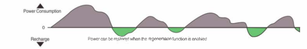


- Multifunctional intelligent instrument,Live preview speed, power, clock, charging state, steering angle, etc

- The system detects that the forklift has no operation for more than 10 minutes,It will cut off the power supply of the forklift automatically to reduce consumption.

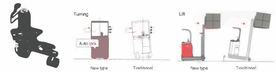
- Ramp parking system
  Release the brake pedal, when going downhill, the truck runs slowly at a constant speed,it will stop.
  Release the brake pedal when going uphill, the truck will stay on the slope to avoid slipping.

- With power regeneration function, it can prolong the using time of the truck on one charge



- The chassis of the frame is firm and stable, and the forward guide rail is made of H-shaped channel steel imported from Germany, which has strong bearing capacity

- When the mast is lifting / falling, the suspension will be locked automatically to avoid the instability of the whole vehicle

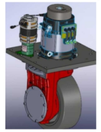


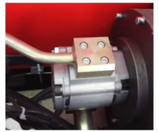
- Steering control system, turning speed limit, when the steering angle of the driving wheel is ＞30 °, the driving speed is automatically limited

- The integrated operation platform is convenient for disassembly, overhaul and maintenance.

CQD20 Pedestal forward forklift Vehicle advantages

- Full AC driving transmission integrated unit, high transmission efficiency and low maintenance cost





- Low noise gear pump imported from Germany
- Imported gearbox from Germany, stable,reliable and low noise transmission

- High speed limit control to ensure the safety of working at place
- Turning speed limit:automatic deceleration when turning. Curve control: limit driving speed and acceleration when driving in a corner.
- Optional LED LCD display when equipped with high mast

- Electronic steering system, flexible and light steering

- Lifting lock:The forks can only be lifted when the driver is in the seat.
- Anti-shock protection of load-bearing wheels
- Cushion protection: when the mast moves forward, backward, rises, falls, it has buffer protection.
- Driving speed limit protection: When the cargo is raised beyond the range of free lifting height ,it will automatically switch to slow speed driving to avoid unexpected acceleration operation .
- Undervoltage protection: when the power is 20%, the lifting action is prohibited, but the function of driving, tilting forward,Moving forward, and side shift is normal, and no deceleration
- Emergency stop switch:
  When the forklift is in an emergency situation, emergency power off can be performed

- Large LCD display: Chinese and English switching interface, fault code and content can be showed at the same time

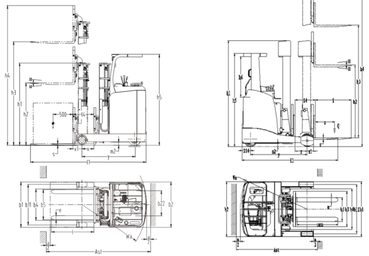
- Adjustable seats:
  Advanced and comfortable OPS adjustable seats, which can be adjusted forward and backward, and the angle of the back can also be adjusted

SPECIFICATIONS

	Model			CQD15	CQD16	CQD20
1	Features	Powe type		Battery	Battery	Battery
2		Drive type		Stand	Stand	Stand
3		Load capacity	kg	1500	1600	2000
4	Weight	Weight (with battery)	kg	2740	3400	3450
5	Tires	Tyre	Tyre quantity	1 × +2/2	1 × +2	1 × +2
6			Front tyre(PU)	mm	⌖ 254 × 114	⌖ 285x100	⌖ 340x134
7			Rear tyre (Rubber)	mm	⌖ 305 × 145 × 180	⌖ 343x114	⌖ 406x152
8			Balance tyre (PU)	mm	⌖ 178 × 73		
9		Tread	Front Tread	mm	999	1141	1350
10			Rear Tread	mm	618		
11	Dimensions	Inner width of fork–arms		mm	771	938	1088
12		length		mm	2450	2580	2510
13		width		mm	1114	1270	1510
14		height		mm	2285	2140	2200
15		Reach distance		mm	530	420	535
16		Minimum ground clearance		mm	100	95	95
17		Wheelbase center ground clearance		mm	73	80	80
18		Minimum Aisle Width (Pallet 1100*1100)		mm	2835	2911	2991
19		Load center distance		mm	500	500	500
20		Overhang (FR)		mm	318	245	273
21		Wheelbase		mm	1335	1440	1500
22		Minimum turning radius		mm	1632	1690	1820
23	Performance	Maximum travel speed (full load/no load)		km/h	10/10	11/12	12/14
24		Maximum lift speed(full load/no load)		mm/s	320/480	350/480	350/450
25		Maximum lowering speed(full load/no load)		mm/s	420/400	520/500	500/450
26		Reach speed(full load/no load)		mm/s	120/150	160/200	160/200
27		Maximum gradeability(full load/no load)		mm/s	10/10	12/15	12/15
28		Service brake			Mechanical	Electronic	Hydraulic
29		Steering type			Hydraulic	electric powering steering	electric powering steering
30	Power	Driving motor power		Kw	4.5	4.5	8
31		Lifting motor power		Kw	8.6	12.5	12.5
32		Battery volatage/capacity		V/Ah	48/400	48/500	48/500
33		Batter weight		Kg	670	920	920
34		Battery size(L x W x H)		mm	820 × 405 × 675	1213 × 424 × 700	1213 × 424 × 700
35		Way of control			AC/AC	AC/AC	AC/AC

The company reserves the right to change the parameters without notice.

DIMENSIONAL DRAWING



ZM WFOV Basic Mast of CQD15L

Structure number	Rated Load capacity KG (Load center distance 500mm) CQD15L				Lift height (H)mm	Forks on the ground (H0)mm	Fully extended (Hm)mm	Free lift (Hf)mm	Fork tilt angle (FR/RR) °
2M200					2000	1525	2895	1555	3/5
2M250					2500	1775	3395	1055	3/5
2M270					2700	1875	3595	855	3/5
2M300					3000	2025	3895	555	3/5
2M330					3300	2175	4195	255	3/5
2M350					3500	2275	4395	55	3/5
2M370					3700	2375	4595	35	3/5
2M400					4000	2575	4895	35	3/5
2M425					4250	2700	5145	35	3/5
2M450					4500	2825	5395	35	3/5
2M475					4750	2950	5645	35	3/5
2M500					5000	3075	5895	35	3/5
2M550					5500	3375	6395	35	3/5
2M600					6000	3625	6895	35	3/5
100 (width) × 35 (thick)	Optional fork length	Without forks	920	1070	1220	1370	1520		
	Structure number	F0	F1	F2	F3	F4	F5		

CM 3-Stage Full Free Mast

Structure number	Rated Load capacity KG (Load center distance 500mm) CQD15L				Lift height (H)mm	Forks on the ground (H0)mm	Fully extended (Hm)mm	Free lift (Hf)mm	Fork tilt angle (FR/RR) °
CM400					4000	1870	4925	1190	3/5
CM420					4200	1935	5125	1260	3/5
CM435					4350	1985	5275	1310	3/5
CM450					4500	2035	5425	1360	3/5
CM480					4800	2135	5725	1460	3/5
CM500					5000	2200	5925	1525	3/5
CM550					5500	2420	6425	1745	3/5
CM600					6000	2585	6925	1910	3/5
CM620					6200	2650	7125	1975	3/5
CM650					6500	2750	7425	2075	3/5
CM700					7000	2970	7925	2295	3/5
100 (width) × 35 (thick)	Optional fork length	Without forks	920	1070	1220	1370	1520		
	Structure number	F0	F1	F2	F3	F4	F5		

Note: integral tiltable side shifter as option

CM 3-Stage Full Free Mast

Structure number	Rated Load capacity KG (Load center distance 500mm) CQD16L				Lift height (H)mm	Forks on the ground (H0)mm	Fully extended (Hm)mm	Free lift (Hf)mm	Fork tilt angle (FR/RR) °
CM450					4500	2210	5425	1285	3/5
CM480					4800	2310	5725	1385	3/5
CM500					5000	2375	5925	1450	3/5
CM550					5500	2545	6425	1620	3/5
CM600					6000	2710	6925	1785	3/5
CM650					6500	2880	7425	1955	3/5
CM700					7000	3045	7925	2120	3/5
CM750					7500	3260	8425	2335	3/5
CM780					7800	3360	8725	2435	3/5
CM800					8000	3425	8925	2500	3/5
CM840					8400	3610	9325	2685	3/5
CM870					8700	3710	9625	2785	3/5
CM900					9000	3860	9925	2935	3/5
CM960					9600	4060	10525	3135	3/5
CM1025					10250	4325	11175	3400	3/5
CM1052					10520	4415	11445	3490	3/5
CM1070					10700	4475	11625	3550	3/5
100 (width) × 35 (thick)	Optional fork length	Without forks	920	1070	1220	1370	1520		
	Structure number	F0	F1	F2	F3	F4	F5		

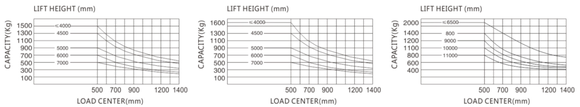
Note: integral tiltable side shifter as option

CM 3-Stage Full Free Mast

Structure number	Rated Load capacity KG (Load center distance 500mm) CQD20				Lift height (H)mm	Forks on the ground (H0)mm	Fully extended (Hm)mm	Free lift (Hf)mm	Gantry weigh (whole2130Kg)	Fork tilt angle (FR/RR) °
CM450					4500	2210	5425	1285		3/5
CM480					4800	2310	5725	1385		3/5
CM500					5000	2375	5925	1450		3/5
CM550					5500	2545	6425	1620		3/5
CM600					6000	2710	6925	1785		3/5
CM650					6500	2880	7425	1955		3/5
CM700					7000	3045	7925	2120	1550	3/5
CM750					7500	3260	8425	2335		3/5
CM780					7800	3360	8725	2435		3/5
CM800					8000	3425	8925	2500		3/5
CM840					8400	3610	9325	2685		3/5
CM870					8700	3710	9625	2785		3/5
CM900					9000	3860	9925	2935		3/5
CM960					9600	4060	10525	3135		3/5
CM1025					10250	4325	11175	3400		3/5
CM1052					10520	4415	11445	3490		3/5
CM1070					10700	4475	11625	3550		3/5
122(width) × 40(thick)	Optional fork length	Without forks	920	1070	1220	1370	1520			
	Structure number	F0	F1	F2	F3	F4	F5			

Note: integral tiltable side shifter as option

LOAD CAPACITY



Note: The vertical axis refers to the load capacity, the horizontal axis the load center. The load center is calculated from the front of the fork. The base point of the standard load refers to the center position of the cube with a load side length of 1000mm. When the mast is tilted forward, and a non-standard fork used, or a load exceeding the normal wide width, the load capacity will be less. You can read the load capacity under various load centers clearly from the load curve.

CHARGER MODEL

Model	Battery box sizemm (L × W × H)	Capacity (Ah)	Remarks (Remarks)
CQD15L	820 × 405 × 670	400	Standard configuration from China、Options Configuration From China、Hoppecke、Hawker
	820 × 405 × 600	340	Options Configuration From China、Hoppecke、Hawker
CQD16–20	1220 × 424 × 700	500	Standard configuration from China、Options Configuration From China、Hoppecke、Hawker
	1220 × 424 × 785	750	Options Configuration From China
	1220 × 424 × 785	775	Options Hawker

ENGINE TYPE SELECTION AND PARAMETERS

Model	Charger Model	Power grid		Connector model	Matching battery capacity (AH)
		Voltage	Frequency		
CQD15L	48V65A	380	50	REMA160	400
	48V50A	380	50	REMA160	340
	48V50A	100–240	47–63	REMA160	340
CQD16–20	48V70A	380	50	REMA160	500