

Model:
CQD20-D

Max. Lift Height
14000mm

Hot
Sale



Advantages:

HIGH EFFICIENCY AND FLEXIBILITY

- One-key start + password login , more convenient to start the truck .
- Electric power steering system(EPS).
- 180/360 degree steering mode.
- AC motor provides high driving speed (laden/ unladen): 10.5/11 km per hour.
- 4-stage driving speed selection.
- Intelligently optimized turning speed control system: The system analyzes the tire angle, driving and steering direction, then automatically adjusts the speed to achieve maximum safety performance.
- Fork side camera system provides better view, avoids the problem of being blocked by the pallets while stacking.
- Luxurious cushion seat equipped with OPS function.
- Standard integral side shifter.

SAFETY AND STABILITY

- The mast adopts an offset design, optimizes the operator views.
- Height limit function, high speed limit function, turning speed limit function.
- The mast moving speed will be automatically reduce while reaching the end position.
- FULL AC control system with CAN communication technology.
- The service brake is operated by hydraulic brake and regenerative brake at the same time , with short braking distance.
- Automatic electromagnetic brake after parking.
- Seat with power-off switch while operator leave the seat.
- Standard: warning lights, headlights, rear view mirrors.
- Option: ASC function (when the mast is lifted and moved forward, it can reduce the truck vibration)

SERVICE ABILITY

- One-piece upper cover with open design, convenient to maintain the controller, lifting pumps, hydraulic devices, drive motors and brake systems, etc.
- Sideway battery can be moved out with mast together, convenient to maintain/ replace the battery.
- All electric parts are integrated modular design, easy for installation/ maintenance.

The Console Has Been Fully Optimized And Upgraded

- The thumb switch imported from Germany, tilts forward fit to ergonomic design, convenient to operate; the thumb can conveniently control the front/rear button and the horn .
- The arm rest is designed with poly foam cushion, more comfortable for long-term operation.
- Switch button is integrated (to control LED headlights, fans, red light, etc.), with extended functions for easy operation.
- The steering wheel is adjustable front and rear, equipped with steering damping.
- The console is designed with multiple storage.
- Large-screen color instrument, real-time display of vehicle speed, working mode, working time, battery power, wheel angle and faults and other information (Option for mechanical control).
- With password login interface. (For magnetic control)
- All function can be operated with touch screen control, such as forward/backward switch, headlight control, horn control, 180/360 degree by one-key switch of steering mode, etc.
- It can communicate with camera system and display the image directly on the instrument.
- It can communicate with the vehicle weighing system and display the weight of the goods on the instrument in real time(Option) .
- It can communicate with the vehicle height positioning system, display the height of the forks on the instrument in real time, and carry out the operation of fixed height/fixed floor.option(Option) .

OPTION

- Camera system
- Touch screen instrument
- Quick lifting function
- High capacity battery (800AH , 930AH)
- Weighing system
- Lithium battery
- Blue light
- Documents holder

CE Conforms to
EN ISO3691-1 EN 1175
EN 16307-1 EN 12100-1
EN 12053-2001 EN 13059-2002



• Adjustable steering wheel



• Adjustable cushion seat

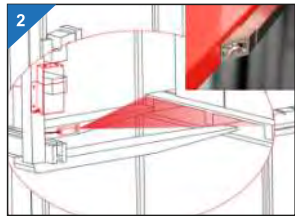


• The battery can be removed with the mast, and with side-way structure to facilitate the maintenance or replacement of the battery.





Fully upgraded console
Large-screen instrument and finger-tip sticks, adopt Germany ELOBAU, with ergonomics design, can display battery power, wheel angle, faults and other information.



Fork camera
The camera system is equipped on the fork, which provides a better view during fork moving, avoid the problems that view may be blocked by the pallet feet while stacking. The camera is made of stainless steel, IP protection grade is IP69, the shockproof grade is 10G. Not afraid of bump.



One-piece cover
The cover can be opened to ensure the maintenance easy and fast.



Wide view mast
The mast system and roof guard adopt new structure, optimize operators' view.



Height positioning system
Adopt absolute wire encoder. Start counting from 0.

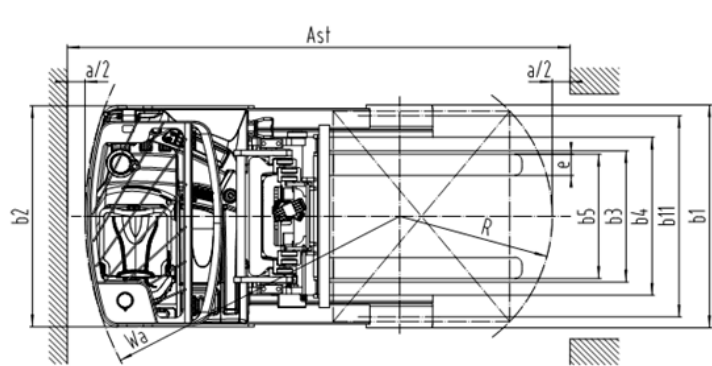
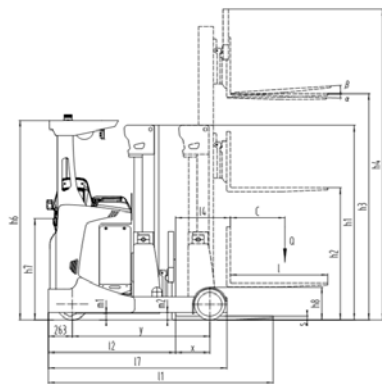


ASC forklift active stabilization system
When the mast moves forward and backward, the service brake will be locked automatically, which can ensure truck does not move forward and backward, improve the stability of the truck.

Technical parameters

	1.2 Manufacturer's type designation	CQD20-D (lift height≤9.5meters)		CQD20-D (9.5meters,<lift height≤12.5meters)
General Information	1.3 Drive: electric (battery type, mains, ...), diesel, petrol, fuel gas	Electric		Electric
	1.4 Operator type: hand, pedestrian, standing, seated, order-picker	Seated		Seated
	1.5 Rated capacity/rated load	Q (kg)	2000	2000
	1.6 Load centre distance	c (mm)	600	600
	1.8 Load distance, centre of drive axle to fork	x (mm)	377	377
Weight	1.9 Wheelbase	y (mm)	1510	1510
	2.1 Service weight	kg	3605	4750
	2.3 Axle loading, unladen front/rear	kg	2245/1360	2958/1792
	2.4 Axle loading, fork advanced, laden front/rear	kg	727/4878	875/5875
	2.5 Axle loading, fork retracted, laden front/rear	kg	2030/3575	2444/4306
Tyres	3.1 Tyres: solid rubber, superelastic, pneumatic, polyurethane	Polyurethane		Polyurethane
	3.2 Tyre size, front	mm	Φ343×140	Φ343×140
	3.3 Tyre size, rear	mm	Φ340×114	Φ340×114
	3.5 Wheels, number front/rear (× = driven wheels)	1x/2		1x/2
	3.7 Tread, rear	b11 (mm)	1146	1196
Dimensions	4.1 Tilt of mast/fork carriage forward/backward	a/b (°)	2/4	2/4
	4.2 Height, mast lowered	h1 (mm)	2240/2490/2740/2340/2740/3190/3390/3590/3890	4190/4490/4790/4956
	4.3 Free lift	h2 (mm)	0/0/0/1400/1800/2250/2450/2650/2950	3250/3550/3850/4016
		h2 *(mm)	0/0/0/1736/2136/2536/2736/2936/3236	3600/3900/4200/4366
	4.4 Max. lift height	h3 (mm)	3000/3500/4000/5000/6200/7400/8000/8600/9500	10200/11100/12000/12500
	4.5 Height, mast extended	h4 (mm)	3940/4440/4940/5940/7140/8340/8940/9540/10440	11140/12040/12940/13440
	4.7 Height of overhead guard (cabin)	h6 (mm)	2210	2210
	4.19 Overall length	l1 (mm)	2466	2466
	4.20 Length to face of forks	l2 (mm)	1396	1396
	4.21 Overall width	b1/b2 (mm)	1270/1260	1345/1260
	4.22 Fork dimensions DIN ISO 2331	s / e / l (mm)	40/120/1070	40/120/1070
	4.23 Fork carriage ISO 2328, class/type A, B	2B		2B
	4.24 Fork-carriage width	b3 (mm)	928	928
	4.25 Fork spread	b5 (mm)	708	708
	4.26 Distance between wheel arms/loading surfaces	b4 (mm)	900	900
	4.28 Reach distance	l4 (mm)	600	600
	4.31 Ground clearance, laden, below mast	m1 (mm)	80	80
	4.34.1 Aisle width for pallets 1000 × 1200 crossways	Ast (mm)	2849	2849
	4.34.2 Aisle width for pallets 800 × 1200 lengthways	Ast (mm)	2899	2899
	4.35 Turning radius	Wa (mm)	1783	1783
Performance Data	4.37 Length across wheel arms	l7 (mm)	1960	1960
	5.1 Travel speed, laden/unladen	km/h	10.5/11	10.5/11
	5.2 Lift speed, laden/unladen	m/s	0.29/0.45	0.29/0.45
	5.3 Lowering speed, laden/unladen	m/s	0.5/0.5	0.5/0.5
	5.4 Reaching speed, laden/unladen	m/s	0.12/0.12	0.12/0.12
Motors	5.8 Max. gradeability, laden/unladen	%	10/10	10/10
	5.10 Service brake	Electromagnetic		Electromagnetic
	6.1 Drive motor rating S2 60 min	kW	6.5(AC)	6.5(AC)
	6.2 Lift motor rating at S3 15%	kW	8.2(AC)	8.2(AC)
	6.4 Battery voltage/nominal capacity K _s	(V)/(Ah) or kWh	48/500	48/500
Additional Data	6.5 Battery weight	kg	870	870
	10.7 Sound pressure level at the driver's seat	dB (A)	65	65

Option: 1) Big power motor with quick lift 2) Acid Battery 48V/600AH, 48V/800AH, 48V/930AH (*) means without backrest 3)  Lithium battery 48V/400AH, 48V/450AH, 48V/600AH, 48V/800AH



Electric Reach Truck



Mast Table

Max Lifting Height	Height, mast lowered	Free lifting (with overhead guard)		Height, mast extended
h3(mm)	h1(mm)	h2(mm)		h4(mm)
3000	2240	0		3940
3500	2490	0		4440
4000	2740	0		4940
5000	2340	1400		5940
6200	2740	1800		7140
7400	3190	2250		8340
8000	3390	2450		8940
8600	3590	2650		9540
9500	3890	2950		10440
10200	4190	3250		11140
11100	4490	3550		12040
12000	4790	3850		12940
12500	4956	4016		13440
13000	5226	4286		13940
14000	5556	4616		14940

With side shift				CQD20-D									
Mast stages	2-stage mast		3-stage mast	3-stage mast	2-stage mast	3-stage mast	3-stage mast	2-stage mast	3-stage mast	3-stage mast	2-stage mast	3-stage mast	3-stage mast
Mast height	h3	h3≤4m	5m≤h3≤9.5m	10.2m≤h3≤14m	h3≤4m	5m≤h3≤9.5m	10.2m≤h3≤14m	h3≤4m	5m≤h3≤9.5m	10.2m≤h3≤14m	h3≤4m	5m≤h3≤9.5m	10.2m≤h3≤14m
Battery Capacity	≤500Ah				600Ah			800Ah			930Ah		
Wheel base	y	1510			1510			1590			1590		
Overall length (minimum)	l1	2466			2542			2622			2737		
Length to face of forks	l2	1396			1472			1552			1667		
Reach distance	l4	600			524			524			409		
Aisle width for pallets 1000x1200 crossways	Ast	2849			2925			3005			3120		
Aisle width for pallets 800x1200 lenthways	Ast	2899			2975			3055			3170		
Aisle width for pallets 1000x1200 lenthways	Ast	2950			3026			3106			3221		
Aisle width for pallets 800x1200 crossways	Ast	2720			2796			2876			2991		
Turning radius (minimum)	Wa	1783			1783			1863			1863		
Length across wheel arms (exclusive fork)	l7	1960			1960			2040			2040		
Tyre size, loading wheels (diameter x width)	/	Φ340x114			Φ340x114			Φ340x114			Φ340x114		
Overall width	b1/b2	1270/1260	1345/1260		1270/1260	1345/1260		1270/1260	1345/1260		1270/1260	1345/1260	

Load Capacity chart					
	LC=600mm	LC=700mm	LC=800mm	LC=900mm	LC=1000mm
Lift height (mm)	Residual Capacity (kg)				
≤6000	2000	1780	1600	1460	1340
6200	1800	1600	1440	1310	1210
7400	1600	1420	1280	1170	1070
8000	1500	1330	1200	1090	1000
8600	1400	1240	1120	1020	940
9500	1200	1070	960	870	800
10200	1150	1020	920	840	770
10750	1050	930	840	760	700
11100	1000	890	800	730	670
12000	900	800	720	650	600
12500	850	750	680	620	570
13000	800	710	640	580	530
14000	750	660	600	540	500

