



Model

# CQD20-D

## DELUXE SERIES REACH TRUCK

CQD20-D adopts the new design concept, the whole truck shape is simple and clear, the line is full and smooth, fitful with public aesthetics. Believe this model can bring you special, most comfortable and deluxe operation experience.



### ADVANTAGES :

#### SAFE & RELIABLE :

- Height limit function: when the fork is lifted to the maximum height, the lifting motor will automatically cut off power to ensure the safety of lifting;
- High speed limit function, when the fork lifting is greater than the free lifting height, the driving speed will be automatically reduced to ensure the safety of high-level operation;
- The turning speed limit function automatically reduces the speed according to the turning angle when the vehicle turns, ensuring the safety of the forklift when turning;
- The mast reach speed will be slow down when the mast to the end, in order to ensure the stability of mast;
- The service brake is operated by hydraulic braking and regenerative braking at the same time, with short braking distance, no inertial impact, safety and reliability;
- The parking brake adopts electromagnetic braking, which acts automatically after parking, and has the function of anti sliding on the ramp;
- Equipped with OPS as standard to ensure the operator's safety;
- CANbus technology is adopted to detect the motor speed, temperature and other information in real time to realize closed-loop control;
- AC frequency conversion control technology enables stepless speed regulation control for driving, lifting and steering, which is accurate and reliable;
- Equipped with warning lights + headlights as standard to ensure safe operation under the condition of insufficient light;
- The foot pedal position is designed with an off position pedal to ensure the safety of the operator's feet.

OPTION: ASC Function(Active Sway Control)

#### STANDARD :

- INMOTION controller
- Driving Motor: 6.5Kw(AC)
- Lifting Motor: 8.2Kw(AC)
- EPS
- Lead-acid battery 48V/500AH(side-way design)
- Gear box: Germany KORDEL
- Integral sideshifter
- Fork tilting
- High-level seat
- Imported mast material
- LED warning light & front light

#### OPTIONAL :

- Camera system
- Height-positioning system
- LED back lights
- Lithium battery(48V/350AH & 48V/400AH & 48V/450AH)
- Electro-magnetic operation
- Bigger capacity of lifting motor: 12Kw

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## WHY Deluxe Series

Break the traditional concept of "one price, one goods", so that you can enjoy the deluxe experience with reasonable price.

We spent nearly two years to design this reach truck, aiming to create an industrial vehicle with modern aesthetics and high performance.

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EPS

**Electric Power Steering**

**Power on correction function**

Handrails are designed on the left and right sides of the frame, which is more convenient for operators to get on and off

## Comfortable Experience

### Luxury Seats

Luxury seats are adopted, with adjustable seat back angle and adjustable seat positions, front and rear, with shock absorption function

**Finger-tip operation**

- Lifting & lowering
- Fork tilting
- Integral side-shifter
- Mast reach forward & backward

**Steering**

Completed steering can be adjusted to meet different operators' needs

### Imported mast material

- Imported mast material ensures residual load and reduce the shaking of the mast.
- Special mast design keeps wide and perfect view.

### Easy Maintenance

The cover can be open to ensure the maintenance easy and fast

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

### ADVANCED TECHNOLOGY :

- One-click start
- USB
- Left button for some options, like the red light and blue light

- Finger-tip operation
- Lifting & lowering
- Mast reach
- Fork tilting
- Side shifter
- Multi-function touch display
- Forward & backward button

### Multi-function Touch Display

- 4 different driving speed mode  
M1: 7 km/h    M2: 8km/h  
M3: 9km/h    M4: 10km/h
- Battery display indicator & working hour display
- Travel forward/backward control
- LED light control
- Horn control
- Steering angle control
- 180°/360° one click switch
- Camera display

### Fork camera

The camera system is equipped with a fork camera, which has a better field of vision when loading and unloading goods, and there is no effect of being blocked by the pallet

The camera is made of stainless steel with IP69 and shockproof grade of 10G

Not afraid of bumps

### DIMENSION DRAWING :

Model		CQD20-D
Drive type		Electric
Operator type		Seat
Rated load	Q(kg)	2000
Load center distance	c(mm)	600
Front overhang	x(mm)	315
Wheelbase	Y(mm)	1510
Service weight(with battery)	kg	4205
Axle load, front/rear, unladen	kg	2570/1635
Axle load, fork reach, front/rear, laden	kg	886/5319
Axle load, fork retracted, front/rear, laden	kg	2335/3870
Tyres: solid rubber, PU		PU
Tyre size, front	mm	343x140
Tyre size, rear	mm	340x114
Wheel number, front/rear (x = driving wheel)		1x2
Tread, front	b10(mm)	0
Tread, rear	b11(mm)	1146
Tilt of mast/fork carriage forward/backward	α/β(°)	2/4
Height, mast lowered	h1(mm)	2240/2490/2740/2240/2740/3190/3390/ 3590/3890/4190/4490/4790/4960
Free lift	h2(mm)	0/0/0/1700/2100/2500/2700/2900/3200/ 3600/3900/4200/4370
Lifting height	h3(mm)	3000/3500/4000/5000/6200/7400/8000/ 8600/9500/10200/11100/12000/12500
Height, mast extended	h4(mm)	3800/4300/4800/5800/7000/8200/8800/ 9400/10300/11000/11900/12800/13300
Height of overhead guard(cabin)	h6(mm)	2210
Seat height/stand height	h7(mm)	1000
Height of wheel arms	h8(mm)	360
Overall length	l1(mm)	2466
Length to face of forks	l2(mm)	1396
Overall width	b1/b2(mm)	1260/1270
Fork dimension	s/e/(mm)	40/120/1070
Fork carriage DIN 15 173, class/type AB		2B
Fork carriage width	b3(mm)	928
Fork spread	b5(mm)	708
Distance between wheel arms	b4(mm)	900
Reach distance	l4(mm)	600
Ground clearance, below mast	m1(mm)	70
Ground clearance, centre of wheelbase	m2(mm)	80
Aisle width for pallets 1000x1200 crossways	Ast1(mm)	2849
Aisle width for pallets 800x1200 lengthways	Ast2(mm)	2899
Turning radius	Wa(mm)	1783
Overall length(fork excluded)	l7(mm)	1960
Travel speed, laden/unladen	Km/h	10.5/11
Lift speed, laden/unladen	m/s	0.3/0.46
Lower speed, laden/unladen	m/s	0.5/0.56
Reach speed, laden/unladen	m/s	0.12/0.12
Grade ability, laden/unladen	%	10/10
Max. grade ability, laden/unladen	%	10/10
Drive motor S2 60 minute rating	kW	6.5
Lift motor, S3 15% rating	kW	8.2
Battery voltage/rated capacity	V/Ah	48/500
Battery weight(+5%)	kg	870
Working pressure	bar	160
Flow rate	l/min	6.5
Noise level at operator's ear, according to DIN12053	dB(A)	65