




# CQD18S2

## ELECTRIC STAND-ON REACH TRUCK 1800KG

 1800 kg
  7500 mm
  48 V Lead Acid



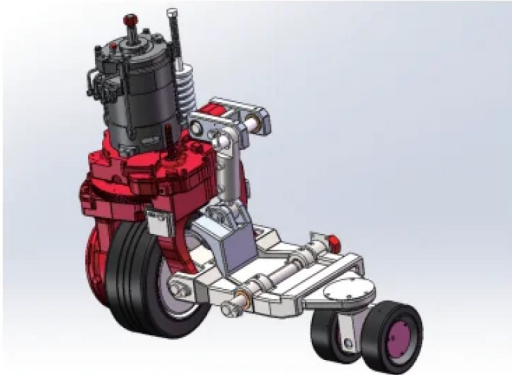
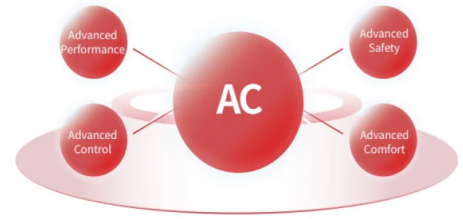
Ideal for intensive warehouse operations and narrow-aisle stacking, the CQD18S2 is built to handle loads up to 1.8 tons at heights of 6 meters. Its compact structure and high maneuverability make it perfect for distribution centers, logistics hubs, and cold storage facilities. The integrated energy regeneration system extends runtime, while mast cushioning and low-noise operation ensure comfort and efficiency during continuous shifts

SPECIFICATION	REF	UNIT	VALUE
Battery type			Lead Acid
Battery nominal capacity K5		Ah	300   375
Battery voltage		V	48
Rated capacity	Q	kg	1800
Load centre distance	c	mm	500
Service weight		kg	2760
Height, mast lowered	$h_1$	mm	2595
Lift	$h_3$	mm	6000
Height, mast extended	$h_4$	mm	7030
Overall length	$l_1$	mm	2160
Overall width	$b_1/b_2$	mm	1090//1170
Length to face of forks	$l_2$	mm	1245
Fork dimensions	s/e/l	mm	40/100/920
Turning radius	Wa	mm	1760
Manufacturer			CQD18S2
Model designation			FORX

# Features

## Advanced full-AC power system

Equipped with a 4.3 kW drive motor and 9.0 kW lift motor, the CQD18S2 delivers smooth acceleration, stronger torque, and precise control. Its energy-efficient AC design minimizes maintenance and reduces energy consumption for maximum uptime

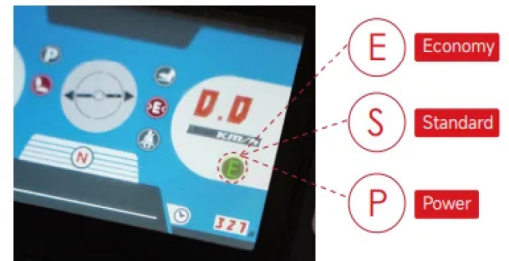


## Floating suspension and anti-slip traction control

The integrated floating suspension system maintains optimal wheel contact and truck balance during sharp turns and ramps. The smart anti-slip control automatically adjusts traction, preventing wheel spin and enhancing stability under all surface conditions

## Tri-mode energy management and regeneration

The truck offers three adaptive driving modes — Economy (E), Standard (S), and Power (P) — to meet varying operational demands. The regenerative braking system converts kinetic energy into power recovery, extending runtime and reducing total energy use



## Operator comfort and safety optimization

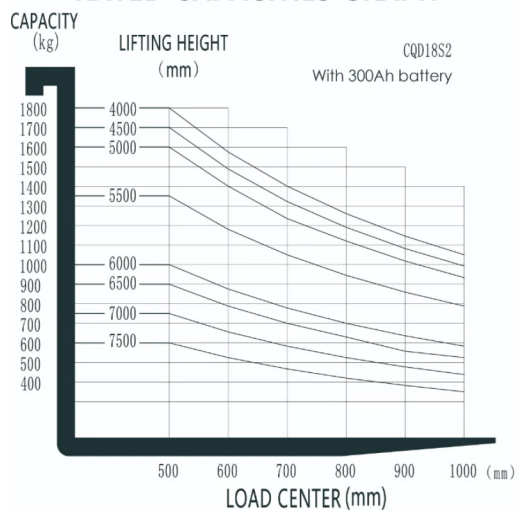
A user-centered cabin with lowered platform access, dual assist grips, and semi-surround protection ensures fatigue-free operation. Improved mast visibility (by 35%) and silent screw pump with cushioning functions enhance precision, comfort, and long-term productivity

# VDI Chart

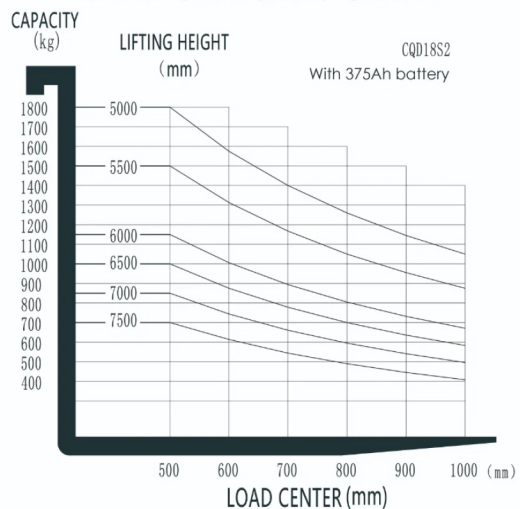
	SPECIFICATION	REF	UNIT	VALUE
1.1	Manufacturer			CQD18S2
1.2	Model designation			FORX
1.3	Drive			Electric
1.4	Operator type			Stand-on
1.5	Rated capacity	Q	kg	1800
1.6	Load centre distance	c	mm	500
1.8	Load distance, centre of drive axle to fork	x	mm	500
1.9	Wheelbase	y	mm	1515
2.1	Service weight		kg	2760
2.2	Axle loading, laden front/rear		kg	4180/480
2.3	Axle loading, unladen front/rear		kg	900/1820
3.1	Tyres			Solid rubber/Polyurethane
3.2	Tyre size, front		mm	254x114
3.3	Tyre size, rear		mm	330x140
3.4	Additional wheels (castor wheels)		mm	178x73
3.5	Wheels, number front/rear (x=drive wheels)			1x/2
3.6	Tread width, front	b <sub>10</sub>	mm	1055
3.7	Tread width, rear	b <sub>11</sub>	mm	635
4.1	Tilt of mast/fork carriage forward/backward		°	2/4
4.2	Height, mast lowered	h <sub>1</sub>	mm	2595
4.3	Free lift	h <sub>2</sub>	mm	1610
4.4	Lift	h <sub>3</sub>	mm	6000
4.5	Height, mast extended	h <sub>4</sub>	mm	7030
4.7	Height of overhead guard (cabin)	h <sub>6</sub>	mm	2240
4.8	Seat height relating to SIP/stand height	h <sub>7</sub>	mm	275
4.10	Height of wheel arms		mm	280
4.19	Overall length	l <sub>1</sub>	mm	2160
4.20	Length to face of forks	l <sub>2</sub>	mm	1245
4.21	Overall width	b <sub>1</sub> /b <sub>2</sub>	mm	1090//1170
4.22	Fork dimensions	s/e/l	mm	40/100/920
4.23	Fork carriage ISO 2328, class/type A, B			2A
4.24	Fork carriage width		mm	870

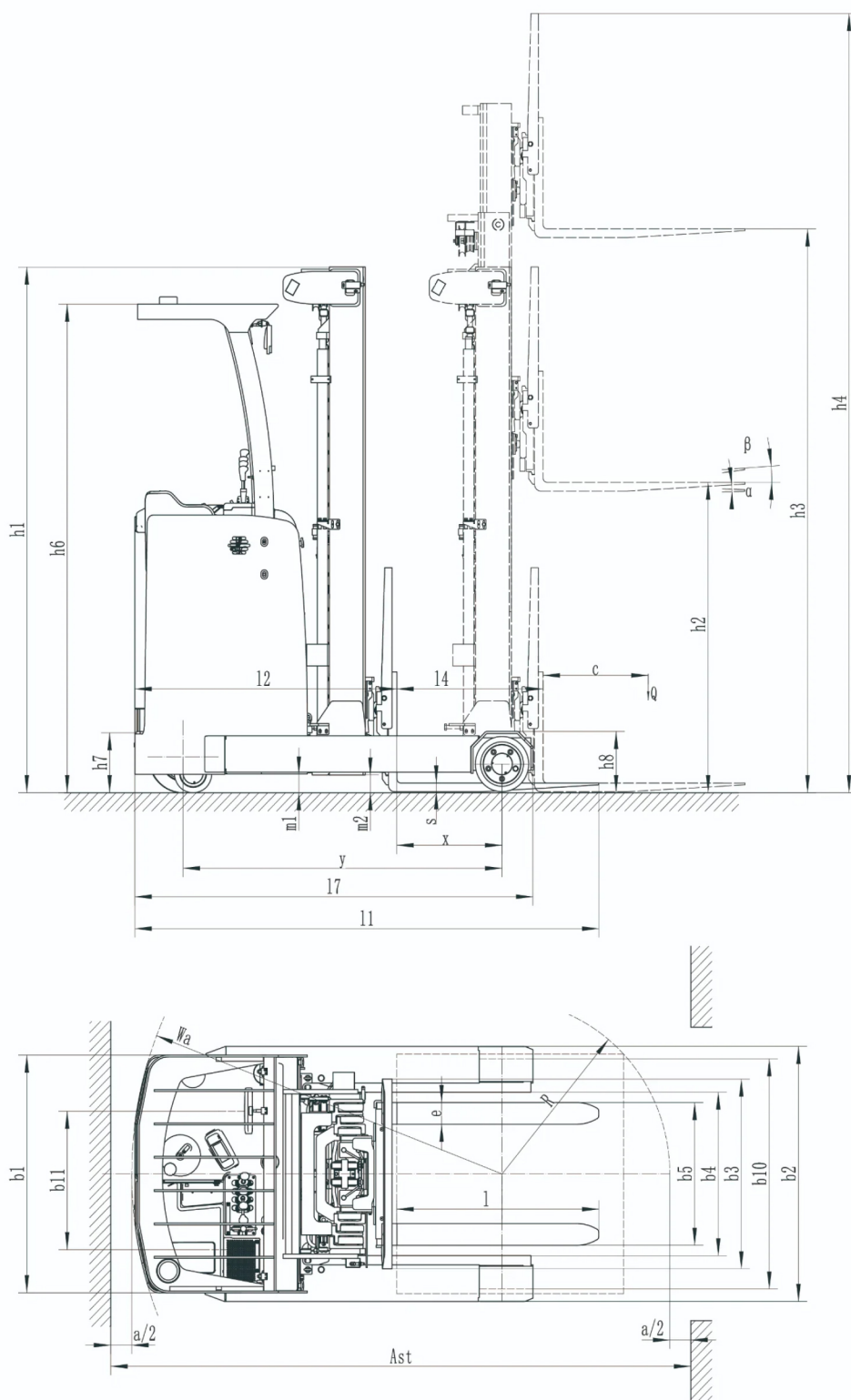
	SPECIFICATION	REF	UNIT	VALUE
4.25	Distance between fork-arms	b <sub>5</sub>	mm	200/655
4.26	Distance between wheel arms/loading surfaces			750
4.31	Ground clearance, laden, below mast		mm	80
4.32	Ground clearance, centre of wheelbase	m <sub>2</sub>	mm	80
4.34.1	Aisle width for pallets 1000×1200 crossways	Ast	mm	2740
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	2765
4.35	Turning radius	Wa	mm	1760
5.1	Travel speed, laden/unladen		km/h	9.5/10.5
5.2	Lift speed, laden/unladen		m/s	0.30/0.50
5.3	Lowering speed, laden/unladen		m/s	0.54/0.50
5.8	Max. gradeability, laden/unladen		%	10/15
5.10	Service brake			Electric/Mechanical
5.11	Parking brake			Mechanical
6.1	Drive motor rating S2 60 min		kW	4.3
6.2	Lift motor rating at S3 15%		kW	9
6.4	Battery nominal capacity K5		Ah	300   375
6.4	Battery voltage		V	48
6.4.1	Battery type			Lead Acid
6.5	Battery weight		kg	495/605
8.1	Type of drive unit			AC
10.5	Steering design			Electric
10.7	Sound pressure level at the driver's seat		dB(A)	70
15.1	Charger output current		A	40

## RATED CAPACITIES GRAPH



## RATED CAPACITIES GRAPH





## Mast Options

MAST TYPE	LIFT HEIGHT (H3, MM)	MAST LOWERED HEIGHT (H1, MM)	MAST EXTENDED HEIGHT, NO BACKREST (H4, MM)	MAST EXTENDED HEIGHT, WITH BACKREST (H4, MM)	FREE LIFT HEIGHT, NO BACKREST (H2, MM)	FREE LIFT HEIGHT, WITH BACKREST (H2, MM)
2-Wide Mast	2500	1745	3025	3530	410	410
2-Wide Mast	2700	1845	3225	3730	410	410

MAST TYPE	LIFT HEIGHT (H3, MM)	MAST LOWERED HEIGHT (H1, MM)	MAST EXTENDED HEIGHT, NO BACKREST (H4, MM)	MAST EXTENDED HEIGHT, WITH BACKREST (H4, MM)	FREE LIFT HEIGHT, NO BACKREST (H2, MM)	FREE LIFT HEIGHT, WITH BACKREST (H2, MM)
2-Wide Mast	3000	1995	3525	4030	410	410
2-Wide Mast	3300	2145	3825	4330	410	410
2-Wide Mast	3500	2245	4025	4530	410	410
2-Wide Mast	3700	2345	4225	4730	410	410
2-Wide Mast	4000	2495	4525	5030	410	410
2-Wide Mast	4300	2745	4925	5430	410	410
2-Wide Mast	4500	2845	5125	5630	410	410
2-Wide Mast	4700	2945	5325	6130	410	410
2-Wide Mast	5000	3095	5625	6130	410	410
3-Free Mast	4000	1895	4565	5030	1388	910
3-Free Mast	4500	2065	5065	5530	1558	1080
3-Free Mast	5000	2245	5565	6030	1738	1260
3-Free Mast	5500	2410	6065	6530	1898	1420
3-Free Mast	6000	2595	6565	7030	2088	1610
3-Free Mast	6500	2760	7065	7530	2248	1770
3-Free Mast	7000	2945	7565	8030	2438	1960
3-Free Mast	7500	3115	8065	8530	2608	2130

## Options

ITEM	OPTIONS (optional items marked in yellow)
Fork dimension	No   900*600 2A 100*40*920   900*600 2A 100*40*1070   900*600 2A 100*40*1150   900*600 2A 100*40*1220   900*600 2A 100*40*1370
Leg width	750mm
Fork carriage width option	870mm
Backrest height	990mm
Load wheel type	Single

ITEM	OPTIONS (optional items marked in yellow)
Load wheel material	PU
Drive wheel material	Solid rubber
Battery capacity	48V300AH Lead-acid   48V205AH   48V280AH   48V405AH   48V560AH   48V375AH Lead-acid   48V450AH Lead-acid
Charger	48V-40A   48V-50A   48V-60A   48V-100A   48V-150A   48V-200A
Attachments	No   Built-in sidershifter
Castor wheels	Yes and not customized
Front lamp	LED
Rear lamp	No   LED
Warning lamp	Yes and not customized
Blue lamp	No   Yes and not customized
Area warning lamp	No   Yes and not customized
Rearview mirror	Yes
Buzzer	Yes   Yes and not customized
Camera	No   Yes and not customized
Fire extinguisher	No   Yes and not customized
Turtle speed	Yes and not customized
Battery side pull function	No   Yes and not customized
Cold storage	No   Yes and not customized
Forks tilt forward and backward	Yes and not customized
Overhead guard	Yes   Drive-in
Battery side pull attachment	No   Yes and not customized
Operator identification device	No   Card reader