

CQD15SD

STANDING ELECTRIC DEEP REACH TRUCK 1.5T

 1500 kg  11500 mm  48 V Lead Acid/Li-ion



The CQD15SD is specifically designed for operations in deep racking warehouses and high-density storage facilities. Its scissor fork system allows operators to reach goods stored deep within racks, optimizing space utilization. Ideal for logistics hubs, cold storage facilities, and large distribution centers, it provides maximum performance for high stacking and narrow aisle environments.

SPECIFICATION	REF	UNIT	VALUE
Manufacturer			CQD15SD
Model designation			CQD15SD
Battery voltage		V	48
Rated capacity	Q	kg	1500
Load centre distance	c	mm	600
Service weight		kg	4390
Height, mast lowered	h ₁	mm	3660
Lift	h ₃	mm	8500
Height, mast extended	h ₄	mm	9540
Overall length	l ₁	mm	2790
Overall width	b ₁ /b ₂	mm	1078/1148
Length to face of forks	l ₂	mm	1717
Fork dimensions	s/e/l	mm	40/100/1070
Turning radius	Wa	mm	1945
Drive			Electric
Operator type			Standing

Features

Deep reach scissor forks

The scissor fork system enables handling of pallets stored deep in racks, maximizing warehouse space and improving efficiency without compromising safety.



Enhanced mast stability

With a lifting height of up to 11.5m and full carrying capacity at 8.15m, the CQD15SD ensures safe and stable performance in high-level stacking applications.

Multifunctional control & precision tools

Equipped with proportional lifting, fork movement controls, mast tilt, side-shift, and optional fork camera, the truck ensures precision handling and improved operator confidence.



Flexible battery options

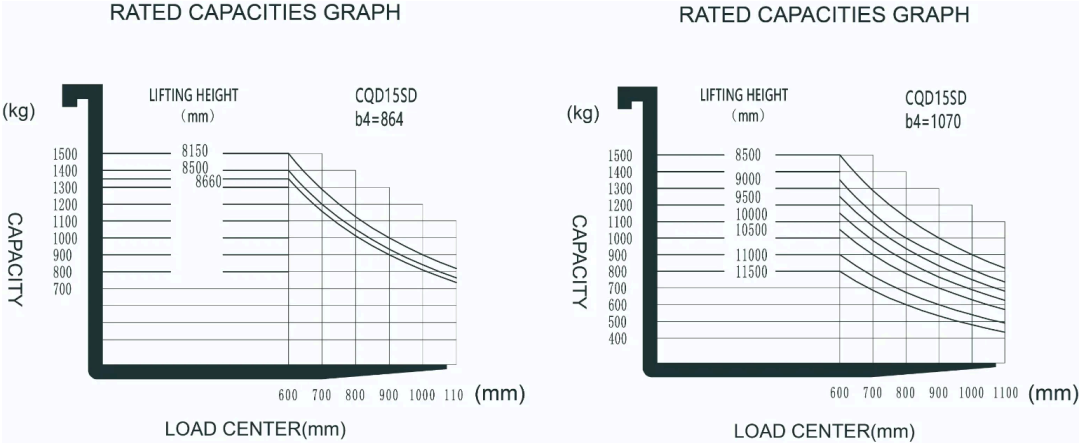
Standard 48V/600Ah lead-acid battery with Li-ion alternatives offers adaptability. The side battery pull-out design enables easy maintenance and quick replacements in multi-shift environments.

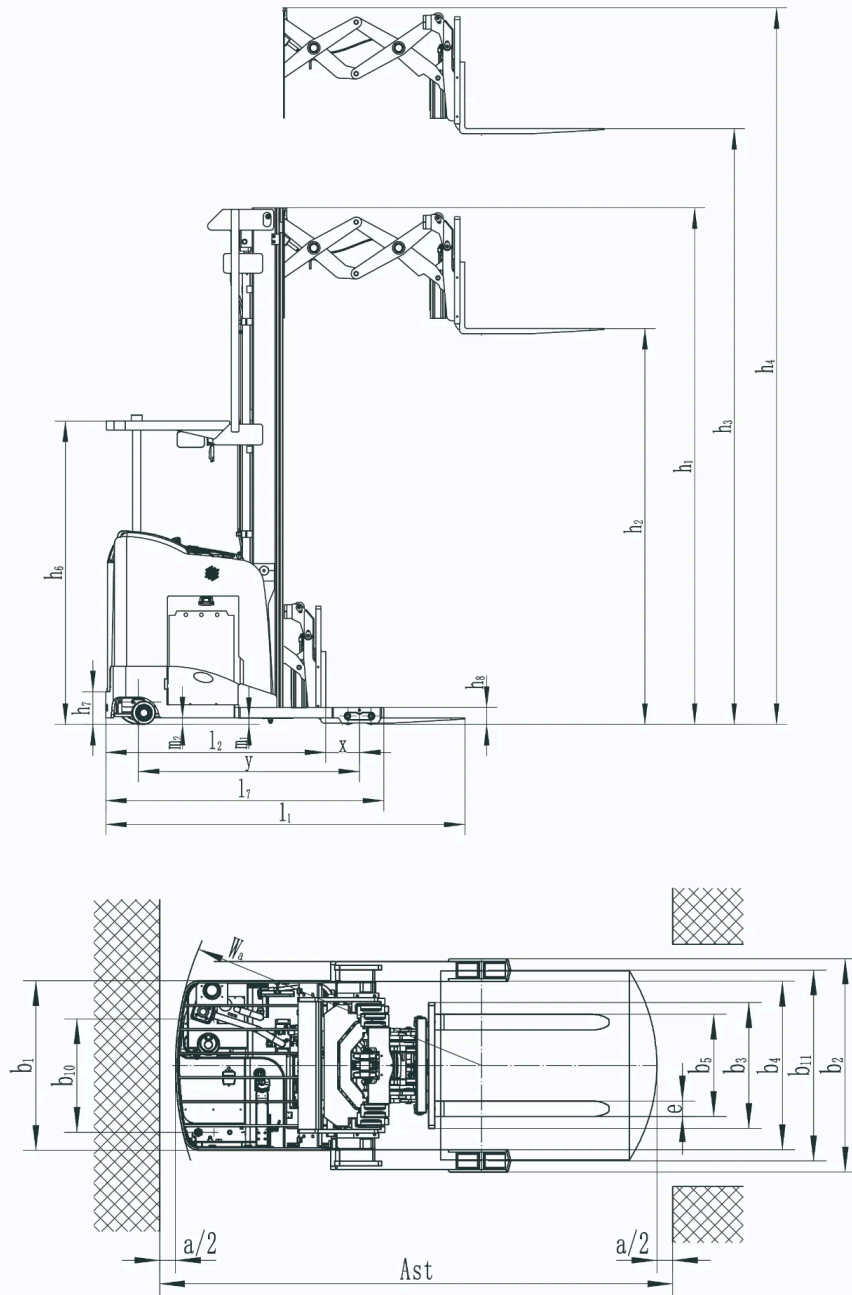
VDI Chart

	SPECIFICATION	REF	UNIT	VALUE
1.1	Manufacturer			CQD15SD
1.2	Model designation			CQD15SD
1.3	Drive			Electric
1.4	Operator type			Standing
1.5	Rated capacity	Q	kg	1500
1.6	Load centre distance	c	mm	600
1.8	Load distance, centre of drive axle to fork	x	mm	215
1.9	Wheelbase	y	mm	1700
2.1	Service weight		kg	4390
2.2	Axle loading, laden front/rear		kg	2297/3593
2.3	Axle loading, unladen front/rear		kg	2590/1800
3.1	Tyres			Polyurethane
3.2	Tyre size, front		mm	Φ343× 40
3.3	Tyre size, rear		mm	Φ127× 98
3.4	Additional wheels (castor wheels)		mm	Φ178×73
3.5	Wheels, number front/rear (x=drive wheels)			1× 2/4
3.6	Tread width, front	b ₁₀	mm	721.5
3.7	Tread width, rear	b ₁₁	mm	1006
4.1	Tilt of mast/fork carriage forward/backward	α/β	°	2/5
4.2	Height, mast lowered	h ₁	mm	3660
4.3	Free lift	h ₂	mm	2610
4.4	Lift	h ₃	mm	8500
4.5	Height, mast extended	h ₄	mm	9540
4.7	Height of overhead guard (cabin)	h6	mm	2330
4.8	Seat height relating to SIP/stand height	h7	mm	250
4.10	Height of wheel arms		mm	130
4.19	Overall length	l ₁	mm	2790
4.20	Length to face of forks	l ₂	mm	1717
4.21	Overall width	b ₁ /b ₂	mm	1078/1148
4.22	Fork dimensions	s/e/1	mm	40/100/1070
4.23	Fork carriage ISO 2328, class/type A, B			2A
4.24	Fork carriage width		mm	800

SPECIFICATION		REF	UNIT	VALUE
4.25	Distance between fork-arms	b ₅	mm	250/780
4.26	Distance between wheel arms/loading surfaces			864
4.31	Ground clearance, laden, below mast		mm	45
4.32	Ground clearance, centre of wheelbase	m ₂	mm	50
4.34.1	Aisle width for pallets 1000×1200 crossways	Ast	mm	3125
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	3195
4.35	Turning radius	Wa	mm	1945
5.1	Travel speed, laden/unladen		km/h	11/12
5.2	Lift speed, laden/unladen		m/s	0.45/0.5
5.3	Lowering speed, laden/unladen		m/s	0.5/0.5
5.8	Max. gradeability, laden/unladen		%	10/12
5.10	Service brake			Electromagnetic
5.11	Parking brake			Electromagnetic
6.1	Drive motor rating S2 60 min		kW	7
6.2	Lift motor rating at S3 15%		kW	20
6.4.1	Battery voltage		V	48
6.4.2	Battery nominal capacity K5		Ah	600
6.4.3	Battery type			Lead Acid/Li-ion
6.5	Battery weight		kg	900
8.1	Type of drive unit			AC
10.5	Steering design			Electronic
10.7	Sound pressure level at the driver's seat		dB(A)	75
15.1	Charger output current		A	80

Subject to modification of specifications and designs without prior notice as part of continuous product improvement. Images and technical data shown may include optional features and are provided for reference only. All dimensions are subject to standard manufacturing tolerances.





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)
3-Free Mast	6500	2965	7465	7555	1900	1900
3-Free Mast	6860	3085	7825	7915	2020	2020

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)
3-Free Mast	7000	3130	7960	8050	2070	2070
3-Free Mast	7500	3295	8260	8350	2240	2240
3-Free Mast	7600	3330	8560	8650	2270	2270
3-Free Mast	8000	3495	8955	9045	2440	2440
3-Free Mast	8150	3545	9105	9195	2490	2490
3-Free Mast	8500	3660	9450	9540	2610	2610
3-Free Mast	8660	3715	9615	9705	2660	2660
3-Free Mast	9000	3860	9950	10040	2810	2810
3-Free Mast	9300	3965	10265	10355	2900	2900
3-Free Mast	9500	4030	10460	10550	2970	2970
3-Free Mast	10000	4230	10960	11050	3170	3170
3-Free Mast	10160	4285	11125	11215	3220	3220
3-Free Mast	10500	4395	11665	11545	3400	3400
3-Free Mast	11000	4630	11965	12045	3570	3570
3-Free Mast	11500	4795	12465	12545	3740	3740

Options

ITEM	OPTIONS (optional items marked in yellow)
Fork dimension	No 1000*600 2A 100*40*920 1000*600 2A 100*40*1070 1000*600 2A 100*40*1150 1000*600 2A 100*40*1220 1000*600 2A 100*40*1370
Leg width	864 1070
Battery capacity	600Ah 700Ah 405Ah-Li 560Ah-Li
Charger	48V-80A-External 48V-100A-External 48V-150A-Li External 48V-200A-LiExternal
Attachments	Built-in sideshifter
Water auto-filling system	No Yes and not customized
Front lamp	LED
Rear lamp	No LED

ITEM	OPTIONS (optional items marked in yellow)
Warning lamp	Yes and not customized
Area warning lamp	No Yes and not customized
Rearview mirror	Yes and not customized
Buzzer	Yes and not customized
Camera	No Yes and not customized
OPS system	Yes and not customized
USB interface	No Yes and not customized
Telematics	No Yes and not customized
Battery side pull function	Yes and not customized
Proportional lift system	Yes and not customized
Forks tilt forward and backward	Yes and not customized
Overhead guard	Yes Driver-in
Battery side pull attachment	No Yes and not customized
AS/NZS function package	Yes and not customized
Operator identification device	No Swipe card device Card and password combination device