

CQD20L

ELECTRIC REACH TRUCK 2.0T

 2000 kg  7500 mm  48 V Li-Ion



The CQD16/20L reach trucks are designed for high-bay warehouses, logistics hubs, and manufacturing sites requiring fast, precise, and stable material handling. Their low center of gravity and I-beam mast ensure stability even at maximum height. Thanks to compact dimensions and a turning radius of just 1,720–1,770 mm, they excel in narrow aisles. Optional cold storage adaptations, warning lamps, and telematics expand their versatility, making them suitable for industries ranging from retail distr...

SPECIFICATION	REF	UNIT	VALUE
Battery type			Li-Ion
Battery nominal capacity		Ah	405
Battery voltage		V	48
Load capacity	Q	kg	2000
Load centre distance	c	mm	600
Service weight		kg	3510
Retracted mast height	h_1	mm	3219
Lift height	h_3	mm	7500
Height, mast extended	h_4	mm	8565
Overall length		mm	2463
Overall width	b_1/b_2	mm	1270
Length to face of forks	l2	mm	1393
Fork dimensions	s/e/1	mm	40/120/1070
Turning radius		Wa	1770
Operator type			Seated
Load distance, centre of drive axle to fork		mm	377

Features

Optimal visibility

Thanks to a compact Li-ion battery and offset oil tube layout, operators enjoy clear forward visibility, making load stacking easier and safer, even in high-density racking environments.



High lifting performance with stability

The CQD16L reaches up to 8 meters and the CQD20L up to 12 meters, supported by a robust I-beam mast and low center of gravity. This ensures excellent residual capacity and safe handling of heavy loads at maximum height.

Advanced Li-ion power system

Powered by a 48V/405Ah Li-ion battery with opportunity charging, the truck eliminates battery maintenance while enabling 24/7 operations. EP's CANBUS-based BMS optimizes cell communication, guaranteeing consistent performance.





Operator comfort and precision

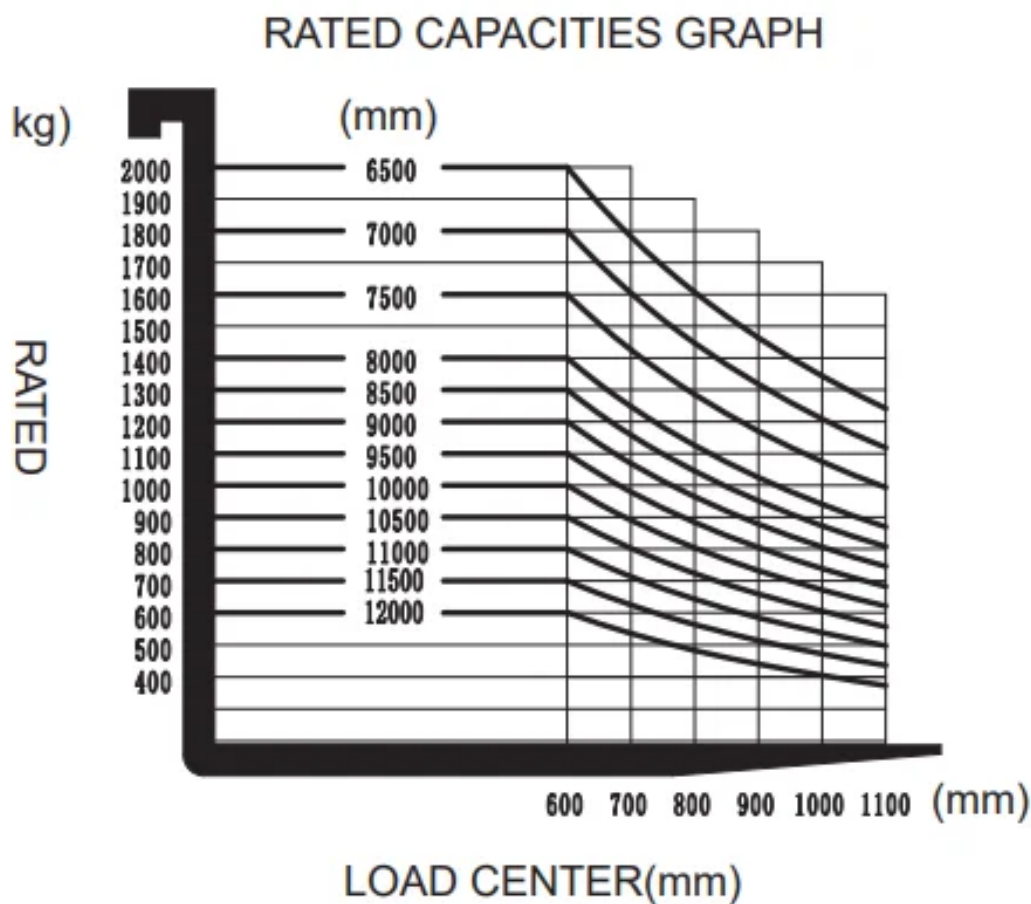
Ergonomic design includes electric power steering with damping, a suspension seat, fingertip controls, and a full-color display. The optional mechanical height indicator further enhances stacking precision, improving safety and reducing operator fatigue.

VDI Chart

	SPECIFICATION	REF	UNIT	VALUE
1.4	Operator type			Seated
1.5	Load capacity	Q	kg	2000
1.6	Load centre distance	c	mm	600
1.8	Load distance, centre of drive axle to fork		mm	377
1.9	Wheelbase		mm	1515
2.1	Service weight		kg	3510
2.2	Axle loading, laden front/rear		kg	470/5060
2.3	Axle loading, unladen front/rear		kg	2210/1320
3.1	Tyre type			Polyurethane
3.2	Tyre size, front			Φ343×140
3.3	Tyre size, rear			Φ310×118
3.5	Additional wheels (castor wheels)			Φ102×51
3.5	Wheels, number front/rear (x=drive wheels)			1x/2
3.6	Tread width, front	b ₁₀	mm	-
3.7	Tread width, rear	b ₁₁	mm	1148
4.1	Tilt of mast/fork carriage forward/backward		°	2/4
4.10	Height of wheel arms		mm	333
4.15	Lowered height			3219
4.19	Overall length		mm	2463
4.2	Retracted mast height	h ₁	mm	3219
4.20	Length to face of forks	l ₂	mm	1393
4.21	Overall width	b ₁ /b ₂	mm	1270
4.22	Fork dimensions	s/e/l	mm	40/120/1070
4.23	A,B Fork carriage class/type A, B			2A

SPECIFICATION		REF	UNIT	VALUE
4.24	Fork carriage width		mm	990
4.26	Distance between wheel arms/loading surfaces			915
4.3	Free lift		mm	1712
4.31	Ground clearance, laden, below mast		mm	60
4.32	Ground clearance, centre of wheelbase		mm	75
4.34.1	Aisle width for pallets 1000×1200 crossways		Ast	2835
4.34.2	Aisle width for pallets 800×1200 lengthways		Ast	2885
4.35	Turning radius		Wa	1770
4.4	Lift height	h ₃	mm	7500
4.4.1	Max lift height		mm	12000
4.5	Height, mast extended	h ₄	mm	8565
4.6	Initial lift		mm	1712
4.7	Height of overhead guard (cabin)		mm	2213
4.8	Seat height/standing height		mm	1076
4.9	Height of tiller handle in drive position min./max.			1076
5.1	Travel speed, laden/unladen		km/h	10/11
5.10	Service brake			Electromagnetic
5.11	Parking brake			Electromagnetic
5.2	Lifting speed, laden/unladen		m/s	0.4/0.5
5.3	Lowering speed, laden/unladen		m/s	0.41/0.38
5.8	Max. gradeability, laden/unladen		%	10/15
6.1	Drive motor rating S2 60 min		kW	7
6.2	Lift motor rating at S3 15%		kW	20
6.4	Battery nominal capacity		Ah	405
6.4	Battery voltage		V	48
6.4.1	Battery type			Li-Ion
6.5	Battery weight		kg	510
6.5	Charger output current			200
6.6	Energy consumption according to DIN EN 16796		kWh/h	kWh/h
6.7	Turnover output according to VDI 2198			Turnover output according to VDI 2198
6.8	Turnover efficiency according to VDI 2198			Turnover efficiency according to VDI 2198
8.1	Type of drive control			AC
10.5	Steering design			Electronic
10.7	Sound pressure level at the drivers ear		dB(A)	75





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-Standard Mast	2700	1980	3280	3765	120	120
2-Standard Mast	3000	2130	3580	4065	120	120
2-Standard Mast	3300	2280	3880	4365	120	120
2-Standard Mast	3640	2450	4220	4705	120	120
2-Standard Mast	4000	2630	4580	5065	120	120
2-Standard Mast	4300	2780	4880	5365	120	120
3-Free Mast	4050	1999	5113	5115	522	522
3-Free Mast	4500	2149	5563	5565	672	672
3-Free Mast	5000	2299	6063	6065	772	772

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	5500	2469	6563	6565	952	952
3-Free Mast	6000	2649	7063	7065	1172	1172
3-Free Mast	6500	2649	7063	7065	1172	1172
3-Free Mast	7000	3049	8063	8065	1532	1532
3-Free Mast	7500	3219	8563	8565	1712	1712
3-Free Mast	8000	3389	9063	9065	1852	1852
3-Free Mast	8500	3609	9563	9565	2072	2072
3-Free Mast	9000	3769	10063	10065	2212	2212
3-Free Mast	9500	3939	10563	10565	2392	2392
3-Free Mast	10000	4159	11063	11065	2612	2612
3-Free Mast	10500	4329	11563	11565	2792	2792
3-Free Mast	11000	4489	12063	12065	3112	3112
3-Free Mast	11500	4659	12563	1565	3112	3112
3-Free Mast	12000	4819	13063	13065	3252	3252

Options

ITEM	OPTIONS (optional items marked in yellow)
Fork dimension	900*600 2A 100*40*1070 900*600 2A 100*40*920 900*600 2A 100*40*1150 900*600 2A 100*40*1220 900*600 2A 100*40*1370
Leg width	751
Fork carriage width option	620mm(without sideshifter) 655mm(with sideshifter)
Backrest height	820mm(without sideshifter) 995mm(with sideshifter)
Load wheel type	Single
Seat type	Suspension
Attachments	No Built-in sideshifter
Load wheel material	PU
Drive wheel material	PU

ITEM	OPTIONS (optional items marked in yellow)
Battery capacity	405Ah-Li
Charger	48V-150A-Li external 48V-200A-Li external 48V-100A-Li external
Area warning lamp	No
Rearview mirror	Yes and not customized
Buzzer	No Yes and not customized
Camera	No Yes and not customized
Fire extinguisher	No Yes and not customized
OPS system	Yes and not customized
Telematics	No Yes and not customized
Castor wheels	Yes and not customized
Front lamp	LED
Rear lamp	No LED
Warning lamp	Yes and not customized
Cold storage	No Yes and not customized
Proportional lift system	Yes and not customized
Forks tilt forward and backward	Yes and not customized
Overhead guard	Yes Yes and can be customized (Drive-in)