

CQD25RV

ELECTRIC REACH TRUCK 2.5T

 2500 kg  12500 mm  48 V Lead Acid



The CQD25RV(F) is perfectly suited for large distribution centers, logistics hubs, and high-bay warehouses requiring heavy-duty performance. With a maximum lift height of 12.5 m and the ability to retain full rated capacity at 6.5 m, it ensures both productivity and safety. The compact chassis and 1960 mm turning radius allow it to maneuver in narrow aisles, while features like LED lighting, proportional hydraulics, and optional cold storage adaptations extend its versatility to challenging environments

SPECIFICATION	REF	UNIT	VALUE
Manufacturer			CQD25RV
Model designation			CQD25RV
Battery voltage		V	48
Rated capacity	Q	kg	2500
Load centre distance	c	mm	600
Service weight		kg	4620
Height, mast lowered	h ₁	mm	4820
Lift	h ₃	mm	12000
Height, mast extended	h ₄	mm	13065
Overall length	l ₁	mm	2586
Overall width	b ₁ /b ₂	mm	1345
Length to face of forks	l ₂	mm	1521
Fork dimensions	s/e/l	mm	40/120/1070
Turning radius	Wa	mm	1960
Drive			Electric
Operator type			Seated

Features

High lift performance with stability

The CQD25RV(F) reaches lift heights of up to 12.5 m, while maintaining full carrying capacity up to 6.5 m. Its reinforced mast ensures stability under heavy loads, making it suitable for high-rack storage and demanding warehouse operations.



Powerful and durable battery system

Equipped with a standard 48V/700Ah lead-acid battery, the truck offers long runtime for heavy-duty use. Optional upgrades to 750Ah and 775Ah provide even more endurance, while external chargers ensure efficient energy management

Operator-focused design

A suspension seat, ergonomic controls, and a multifunctional full-color display give operators comfort and control throughout long shifts. Features like electronic steering and proportional lifting provide smooth handling and precise pallet placement





Advanced safety and efficiency features

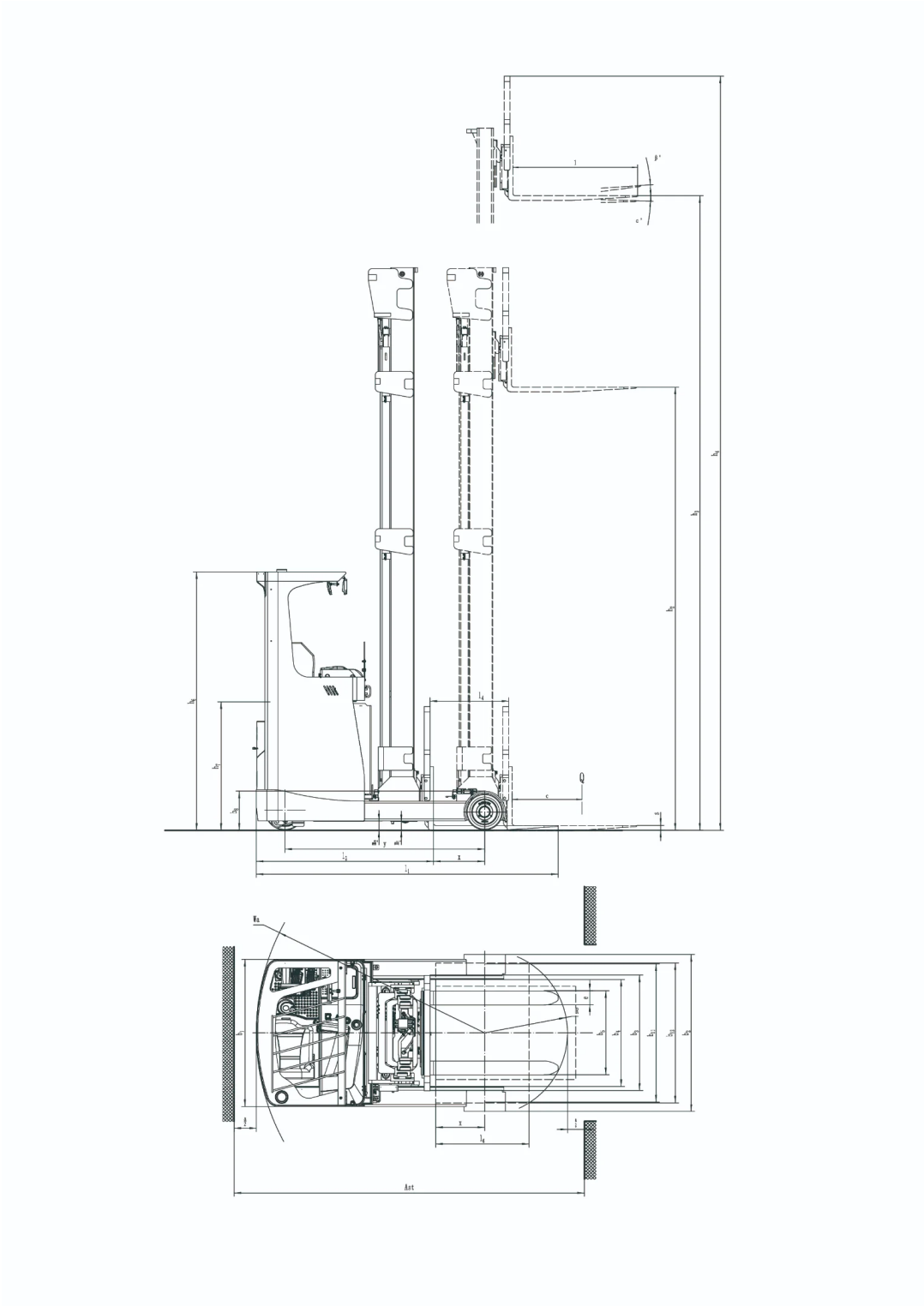
The CQD25RV(F) is equipped with LED lighting for low-visibility areas, electromagnetic brakes, height indicator, OPS operator presence system, and optional add-ons like cameras or remote monitoring. These features improve both safety and overall operational efficiency

VDI Chart

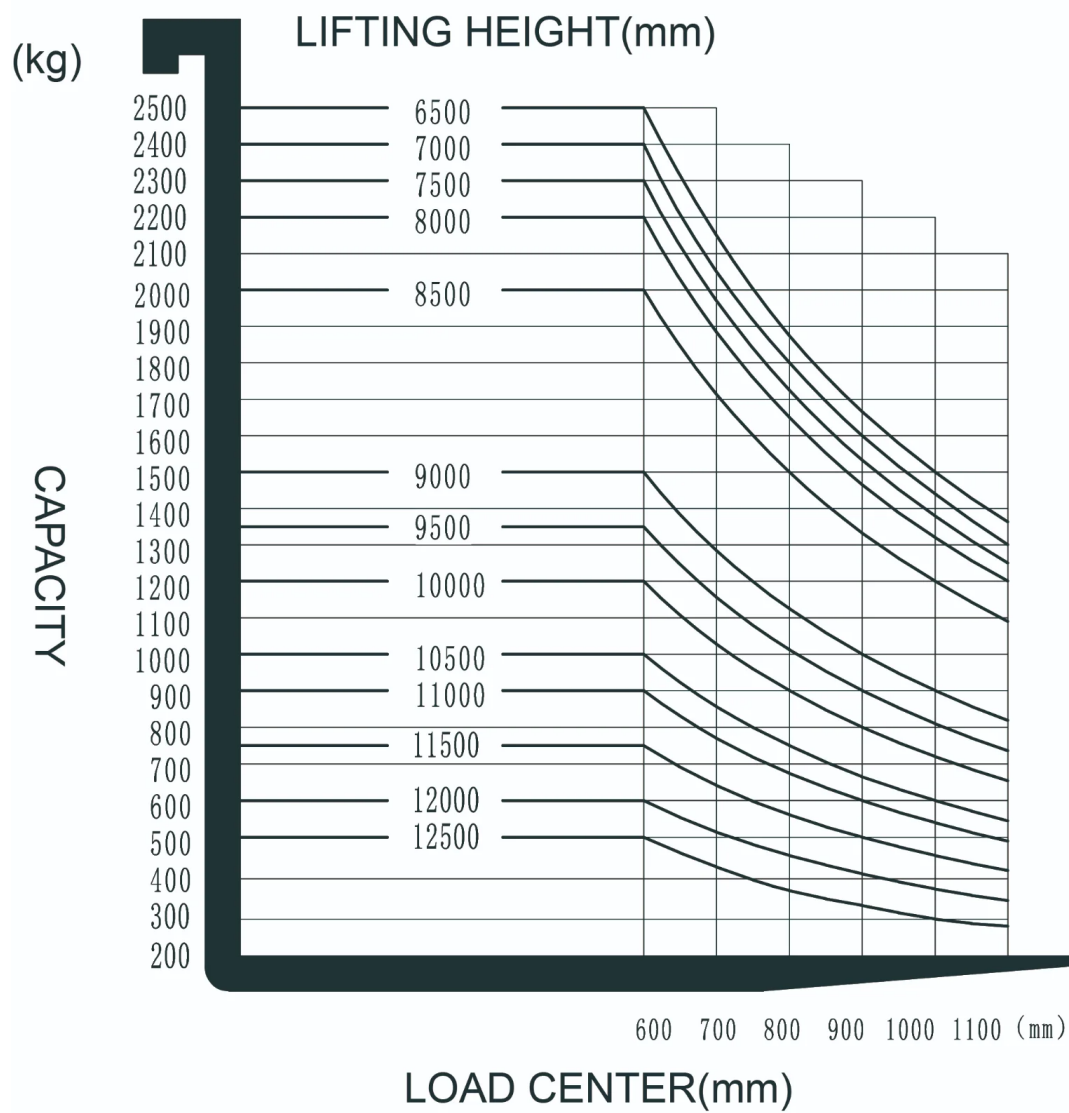
SPECIFICATION		REF	UNIT	VALUE
1.1	Manufacturer			CQD25RV
1.2	Model designation			CQD25RV
1.3	Drive			Electric
1.4	Operator type			Seated
1.5	Rated capacity	Q	kg	2500
1.6	Load centre distance	c	mm	600
1.8	Load distance, centre of drive axle to fork	x	mm	439
1.9	Wheelbase	y	mm	1714
2.1	Service weight		kg	4620
2.2	Axle loading, laden front/rear		kg	650/6470
2.3	Axle loading, unladen front/rear		kg	2710/1860
3.1	Tyres			Polyurethane
3.2	Tyre size, front		mm	Φ343×140
3.3	Tyre size, rear		mm	Φ310×135
3.4	Additional wheels (castor wheels)		mm	Φ102×51
3.5	Wheels, number front/rear (x=drive wheels)			1x/2
3.7	Tread width, rear	b ₁₁	mm	1186
4.1	Tilt of mast/fork carriage forward/backward	α/β	°	2/4
4.2	Height, mast lowered	h ₁	mm	4820
4.3	Free lift	h ₂	mm	3252
4.4	Lift	h ₃	mm	12000
4.5	Height, mast extended	h ₄	mm	13065
4.7	Height of overhead guard (cabin)	h ₆	mm	2213
4.8	Seat height relating to SIP/stand height	h ₇	mm	1145

SPECIFICATION		REF	UNIT	VALUE
4.10	Height of wheel arms		mm	333
4.19	Overall length	l_1	mm	2586
4.20	Length to face of forks	l_2	mm	1521
4.21	Overall width	b_1/b_2	mm	1345
4.22	Fork dimensions	s/e/1	mm	40/120/1070
4.23	Fork carriage ISO 2328, class/type A, B			2A
4.24	Fork carriage width		mm	990
4.25	Distance between fork-arms	b_5	mm	915
4.26	Distance between wheel arms/loading surfaces			915
4.31	Ground clearance, laden, below mast		mm	60
4.32	Ground clearance, centre of wheelbase	m_2	mm	70
4.34.1	Aisle width for pallets 1000×1200 crossways	Ast	mm	2871
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	3037
4.35	Turning radius	Wa	mm	1960
5.1	Travel speed, laden/unladen		km/h	9/9.5
5.2	Lift speed, laden/unladen		m/s	0.3/0.35
5.3	Lowering speed, laden/unladen		m/s	0.4/0.3
5.8	Max. gradeability, laden/unladen		%	7/14
5.10	Service brake			Electromagnetic
5.11	Parking brake			Electromagnetic
6.1	Drive motor rating S2 60 min		kW	6.4
6.2	Lift motor rating at S3 15%		kW	13
6.4.1	Battery voltage		V	48
6.4.2	Battery nominal capacity K5		Ah	700
6.4.3	Battery type			Lead Acid
6.5	Battery weight		kg	1115
8.1	Type of drive unit			AC
10.5	Steering design			Electronic
10.7	Sound pressure level at the driver's seat		dB(A)	70
15.1	Charger output current		A	100

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.



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-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

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	4050	2000	5115	5115	522	522
3-Free Mast	4500	2150	5565	5565	672	672
3-Free Mast	5000	2300	6065	6065	772	772
3-Free Mast	5500	2470	6565	6565	952	952
3-Free Mast	6000	2650	7065	7065	1172	1172
3-Free Mast	6500	2800	7565	7565	1272	1272
3-Free Mast	7000	3050	8065	8065	1532	1532
3-Free Mast	7500	3220	8565	8565	1712	1712
3-Free Mast	8000	3390	9065	9065	1852	1852
3-Free Mast	8500	3610	9565	9565	2072	2072
3-Free Mast	9000	3770	10065	10065	2212	2212
3-Free Mast	9500	3940	10565	10565	2392	2392
3-Free Mast	10000	4160	11065	11065	2612	2612
3-Free Mast	10500	4330	11565	11565	2792	2792
3-Free Mast	11000	4490	12065	12065	2932	2932
3-Free Mast	11500	4660	12565	12565	3112	3112
3-Free Mast	12000	4820	13065	13065	3252	3252
3-Free Mast	12500	4990	13565	13565	3432	3432

Options

ITEM	OPTIONS (optional items marked in yellow)
Fork dimension	1000*600 2A 122*40*920 1000*600 2A 122*40*1070 1000*600 2A 122*40*1150 1000*600 2A 122*40*1220 1000*600 2A 122*40*1370 1000*600 2A 122*40*1500 1000*600 2A 122*40*1600
Leg width	917
Fork carriage width option	770mm
Backrest height	1025mm

ITEM	OPTIONS (optional items marked in yellow)
Load wheel type	Single
Load wheel material	PU
Drive wheel material	PU
Battery capacity	700Ah 750Ah 775Ah
Charger	48V-100A External 48V-80A External
Seat type	Suspension
Attachments	Built-in sideshifter
Castor wheels	Yes and not customized
Water auto-filling system	No Yes and not customized
Warning lamp	Yes and not customized
Area warning lamp	No Yes and not customized
Rearview mirror	Yes and not customized
Camera	No Yes and not customized
Fire extinguisher	No Yes and not customized
OPS system	No 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 Yes and not customized (Drive-in)
Battery side pull attachment	No Battery trolley Side pull bracket
AS/NZS function package	9