

CQD25RV

ELECTRIC REACH TRUCK 2.5 T

 2500 kg  12000 mm  48 V



The CQD25RV(F) is perfectly suited for large distribution centres, logistics hubs and high-bay warehouses requiring heavy-duty performance. With a maximum lift height of 12.5 metres and the ability to retain full rated capacity at 6.5 metres, it ensures both productivity and safety. The compact chassis and 1,960 mm turning radius allow it to manoeuvre in narrow aisles, while features such as LED lighting, proportional hydraulics and optional cold-store adaptations extend its versatility to chall...

SPECIFICATION	REF	UNIT	VALUE
Battery nominal capacity		Ah	700
Battery voltage		V	48
Load capacity	Q	kg	2500
Load centre distance	c	mm	600
Service weight		kg	4620
Retracted mast height	h ₁	mm	4820
Lift height	h ₃	mm	12000
Height, mast extended	h ₄	mm	13065
Overall length		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	1960
Operator type			Seated
Load distance, centre of drive axle to fork		mm	439
Wheelbase		mm	1714

Features

High lift performance with stability

The CQD25RV(F) reaches lift heights of up to 12.5 metres while maintaining full carrying capacity up to 6.5 metres. 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-colour display give operators comfort and control throughout long shifts. Features such as electronic steering and proportional lifting provide smooth handling and precise pallet placement.





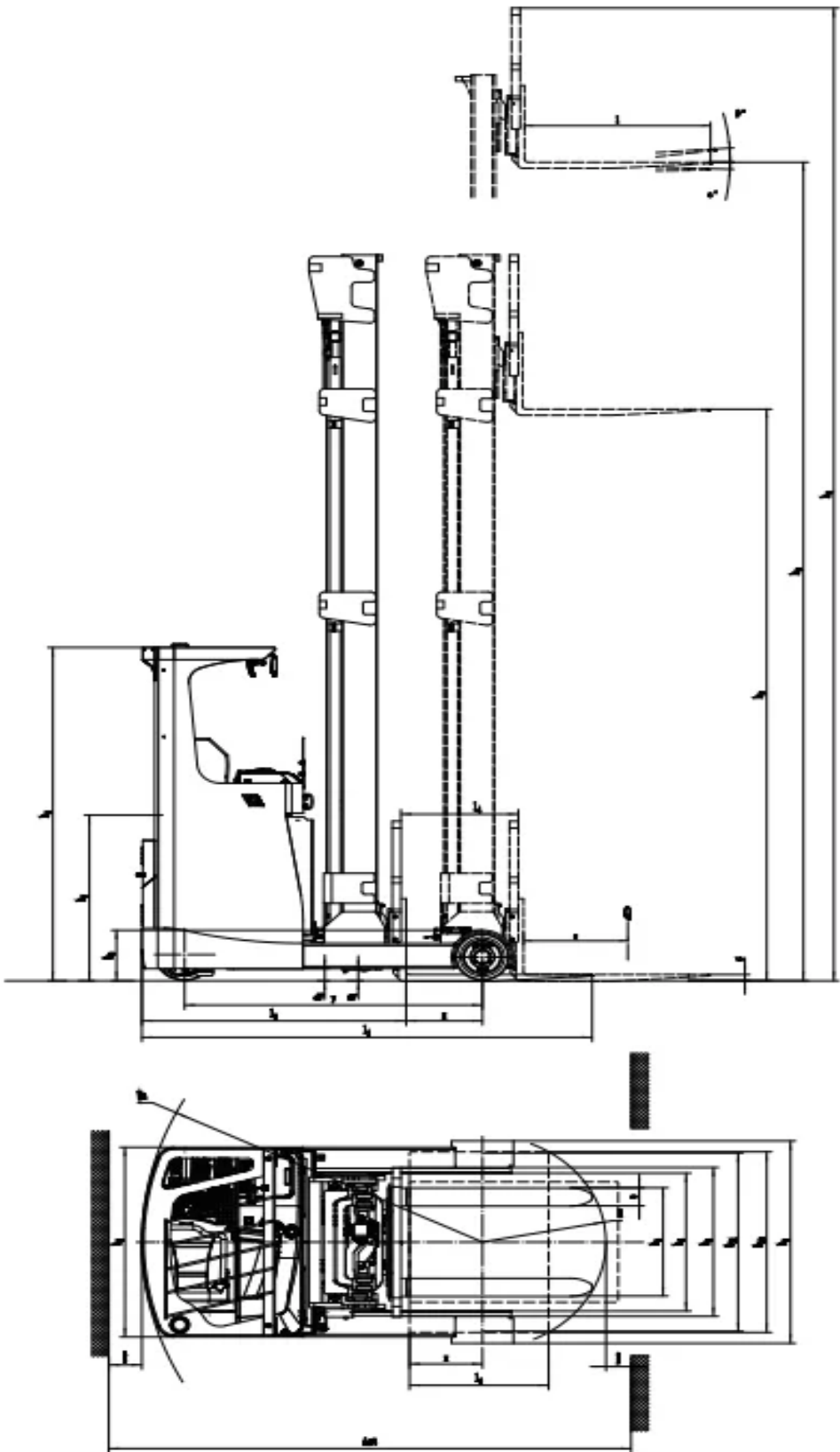
Advanced safety and efficiency features

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

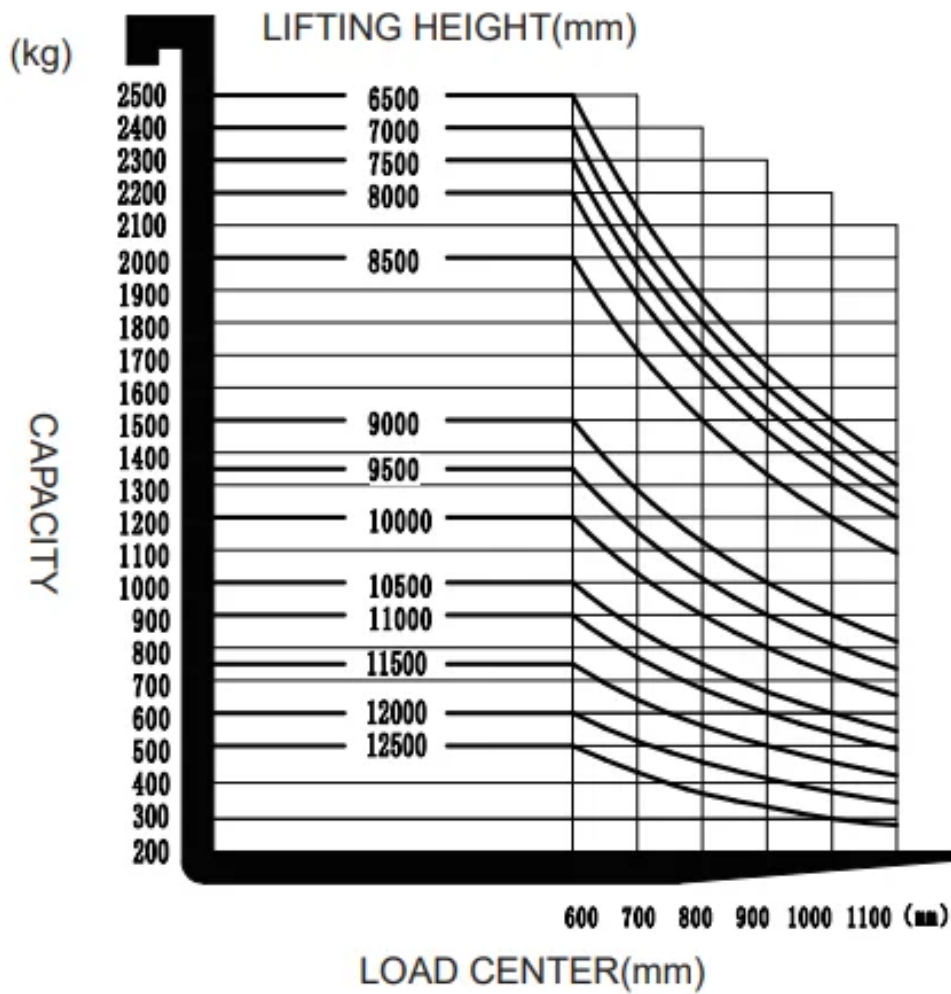
VDI Chart

SPECIFICATION		REF	UNIT	VALUE
1.4	Operator type			Seated
1.5	Load capacity	Q	kg	2500
1.6	Load centre distance	c	mm	600
1.8	Load distance, centre of drive axle to fork		mm	439
1.9	Wheelbase		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	Tyre type			Polyurethane
3.2	Tyre size, front			Φ343×140
3.3	Tyre size, rear			Φ310×135
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	1186
4.1	Tilt of mast/fork carriage forward/backward		°	2/4
4.10	Height of wheel arms		mm	333
4.19	Overall length		mm	2586
4.2	Retracted mast height	h ₁	mm	4820
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/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
4.25	Distance between fork-arms			915
4.26	Distance between wheel arms/loading surfaces			915
4.3	Free lift		mm	3252
4.31	Ground clearance, laden, below mast		mm	60
4.32	Ground clearance, centre of wheelbase		mm	70
4.34.1	Aisle width for pallets 1000×1200 crossways		Ast	2871
4.34.2	Aisle width for pallets 800×1200 lengthways		Ast	3037
4.35	Turning radius		Wa	1960
4.4	Lift height	h ₃	mm	12000
4.4.1	Max lift height		mm	12500
4.5	Height, mast extended	h ₄	mm	13065
4.7	Height of overhead guard (cabin)		mm	2213
4.8	Seat height/standing height		mm	1145
5.1	Travel speed, laden/unladen		km/h	9/9.5
5.10	Service brake			Electromagnetic
5.11	Parking brake			Electromagnetic
5.2	Lifting speed, laden/unladen		m/s	0.35/0.35
5.3	Lowering speed, laden/unladen		m/s	0.4/0.3
5.8	Max. gradeability, laden/unladen		%	7/14
6.1	Drive motor rating S2 60 min		kW	6.4
6.2	Lift motor rating at S3 15%		kW	13
6.4	Battery nominal capacity		Ah	700
6.4	Battery voltage		V	48
6.5	Battery weight		kg	1115
6.5	Charger output current			100
6.6	Energy consumption according to DIN EN 16796		kWh/h	0
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)	70



RATED CAPACITIES GRAPH



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
Load wheel type	Single
Seat type	Suspension
Attachments	Built-in sideshifter
Load wheel material	PU

ITEM	OPTIONS (optional items marked in yellow)
Drive wheel material	PU
Battery capacity	700Ah 750Ah 775Ah
Charger	48V-100A External 48V-80A External
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
Castor wheels	Yes and not customized
Water auto-filling system	No Yes and not customized
Warning lamp	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
Speed reduction for elevated mast- Australian standard	9
Pump Motor	13
Swipe card device	100
Traction Motor	6.4