

CQE12R

ELECTRIC REACH TRUCK 1.2T

 1200 kg  5500 mm  24 V Lead Acid/Li-ion



The CQE12R/15R is the ideal solution for logistics hubs, warehouses, and retail distribution centers with space constraints. Its narrow chassis (850–1018 mm width) and tight turning radius (1597–1697 mm) make it effective in confined aisles, while the reach mast system enables safe pallet stacking at high levels. With polyurethane wheels, optional cold storage configuration, and side-shift attachments, it adapts to various industries requiring flexible, reliable material handling.

SPECIFICATION	REF	UNIT	VALUE
Manufacturer			CQE12R
Model designation			CQE12R
Battery voltage		V	24
Rated capacity	Q	kg	1200
Load centre distance	c	mm	500
Service weight		kg	1745
Height, mast lowered	h_1	mm	2065
Lift	h_3	mm	3000
Height, mast extended	h_4	mm	4000
Overall length	l_1	mm	2312
Overall width	b_1/b_2	mm	850/988
Length to face of forks	l_2	mm	1242
Fork dimensions	s/e/l	mm	40/100/1070
Turning radius	Wa	mm	1597
Drive			Electric
Operator type			Pedestrian

Features

Compact design for narrow aisles

With overall widths starting at just 850 mm and turning radii of 1597–1697 mm, the CQE12R/15R is engineered for efficient operations in tight warehouse environments and narrow aisles.



Stable and safe lifting

Capable of reaching lift heights up to 5.5 m, the CQE12R/15R uses a reinforced mast and proportional hydraulics to maintain stability, precision, and safety even at maximum stacking heights.

Reliable Li-ion and lead-acid battery options

Equipped with a 24V/210–280Ah battery as standard, the truck also offers optional Li-ion packs (205Ah) with external 24V/100A chargers, supporting quick, maintenance-free charging.

Operator comfort and safety features

Operators benefit from EPS steering, a foldable platform, ergonomic tiller head, and anti-rollback braking. Multiple safety systems, including hydraulic drop protection and emergency stop, ensure smooth and secure operation.

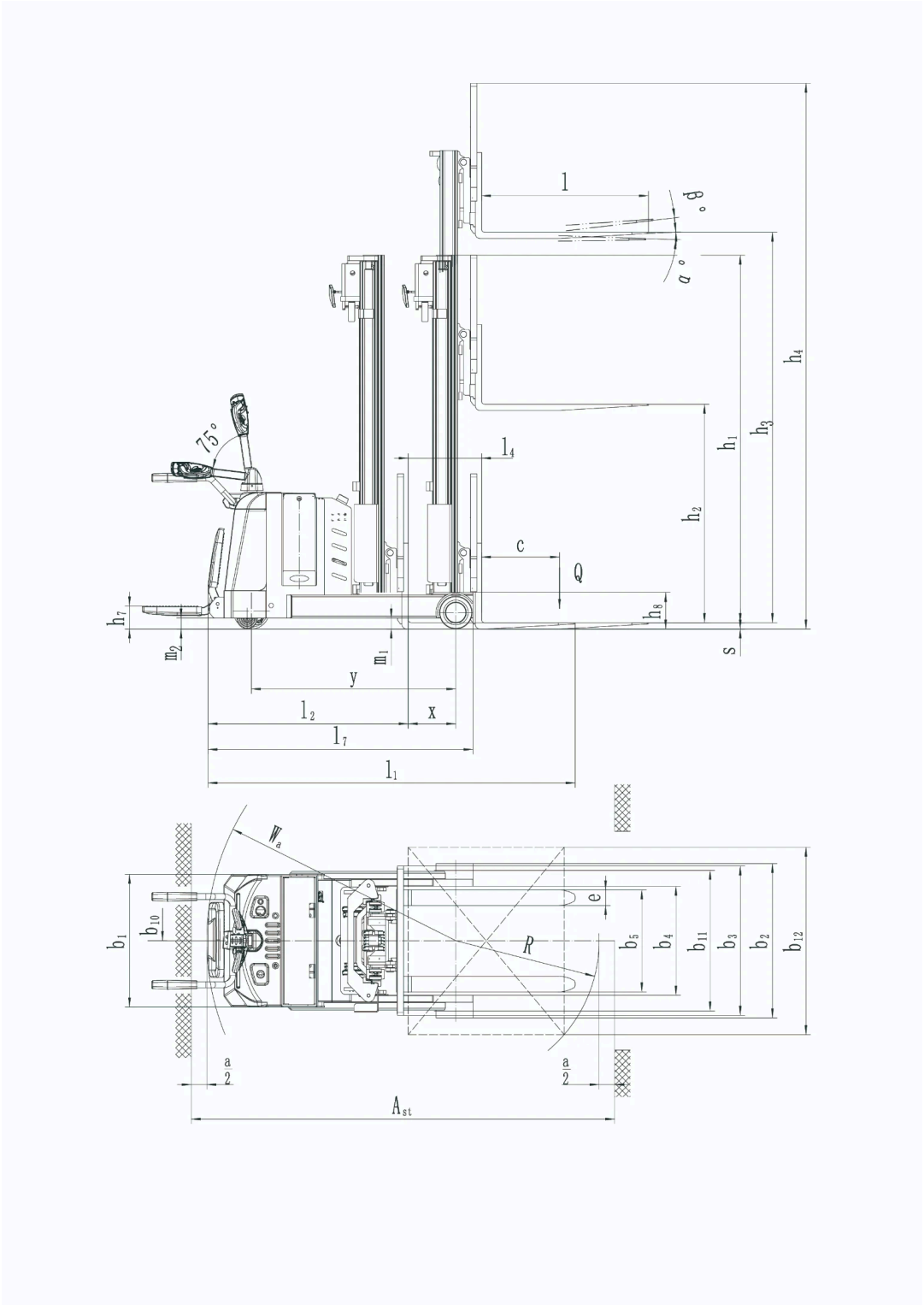
VDI Chart

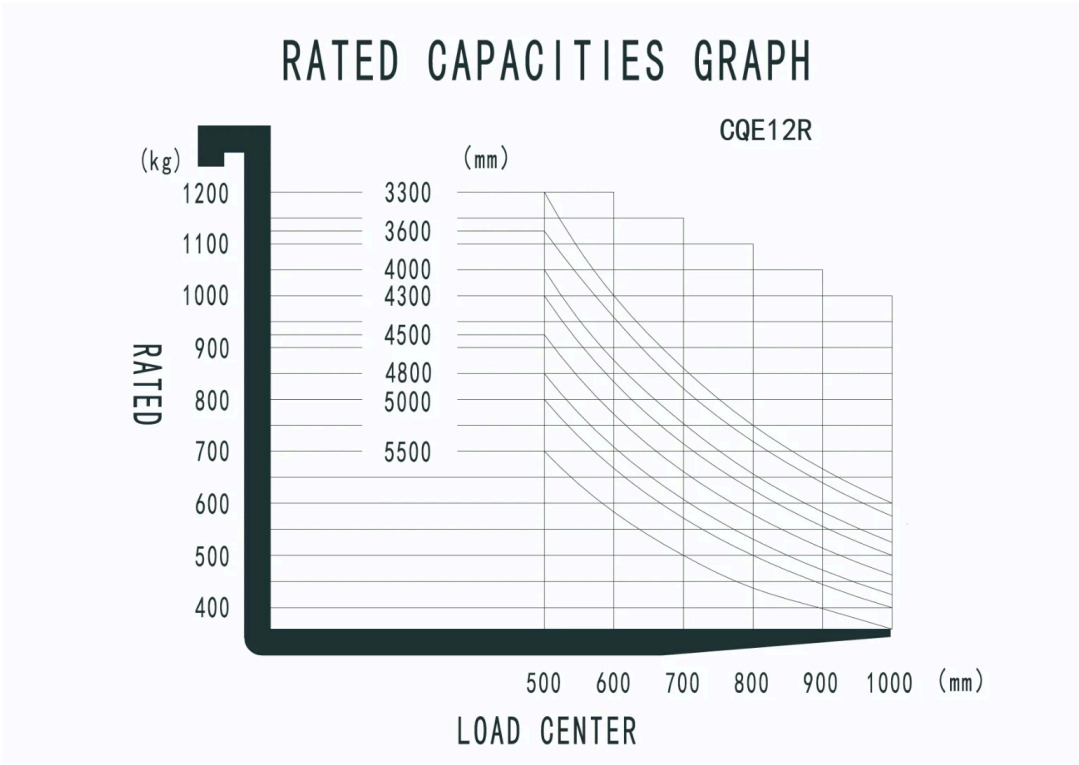
SPECIFICATION		REF	UNIT	VALUE
1.1	Manufacturer			CQE12R
1.2	Model designation			CQE12R
1.3	Drive			Electric
1.4	Operator type			Pedestrian
1.5	Rated capacity	Q	kg	1200
1.6	Load centre distance	c	mm	500

	SPECIFICATION	REF	UNIT	VALUE
1.8	Load distance, centre of drive axle to fork	x	mm	346
1.9	Wheelbase	y	mm	1310
2.1	Service weight		kg	1745
2.2	Axle loading, laden front/rear		kg	454/2510
2.3	Axle loading, unladen front/rear		kg	1052/782
3.1	Tyres			Polyurethane
3.2	Tyre size, front		mm	Φ230×75
3.3	Tyre size, rear		mm	Φ210×85
3.4	Additional wheels (castor wheels)		mm	Φ130×55
3.5	Wheels, number front/rear (x=drive wheels)			1x+2/2
3.6	Tread width, front	b ₁₀	mm	634
3.7	Tread width, rear	b ₁₁	mm	900
4.1	Tilt of mast/fork carriage forward/backward	α/β	°	2/4
4.2	Height, mast lowered	h ₁	mm	2065
4.4	Lift	h ₃	mm	3000
4.5	Height, mast extended	h ₄	mm	4000
4.8	Seat height relating to SIP/stand height	h ₇	mm	150
4.10	Height of wheel arms		mm	235
4.14	Stand height, elevated	h ₁₂	mm	4000
4.15	Height, lowered	h ₁₃	mm	2065
4.19	Overall length	l ₁	mm	2312
4.20	Length to face of forks	l ₂	mm	1242
4.21	Overall width	b ₁ /b ₂	mm	850/988
4.22	Fork dimensions	s/e/l	mm	40/100/1070
4.23	Fork carriage ISO 2328, class/type A, B			2A
4.24	Fork carriage width		mm	956
4.26	Distance between wheel arms/loading surfaces			698
4.31	Ground clearance, laden, below mast		mm	75
4.32	Ground clearance, centre of wheelbase	m ₂	mm	70
4.34.1	Aisle width for pallets 1000×1200 crossways	Ast	mm	2684
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	2739
4.35	Turning radius	Wa	mm	1597
5.1	Travel speed, laden/unladen		km/h	5.5/6.0
5.2	Lift speed, laden/unladen		m/s	0.12/0.15

	SPECIFICATION	REF	UNIT	VALUE
5.3	Lowering speed, laden/unladen		m/s	0.18/0.12
5.8	Max. gradeability, laden/unladen		%	6/10
5.10	Service brake			Electromagnetic
5.11	Parking brake			Mechanical
6.1	Drive motor rating S2 60 min		kW	1.6
6.2	Lift motor rating at S3 15%		kW	1.6
6.4.1	Battery voltage		V	24
6.4.2	Battery nominal capacity K5		Ah	210
6.4.3	Battery type			Lead Acid/Li-ion
6.5	Battery weight		kg	190
8.1	Type of drive unit			AC
10.5	Steering design			Electronic
10.7	Sound pressure level at the driver's seat		dB(A)	74
15.1	Charger output current		A	30

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.





Options

ITEM	OPTIONS (optional items marked in yellow)
Fork dimension	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 900*600 2A 100*40*1520 900*600 2A 100*40*1800
Fork lowered height	40
Backrest height	36in
Load wheel type	Polyurethane
Load wheel material	PU
Drive wheel material	PU
Battery capacity	210Ah 280Ah 205Ah (Li-ion)
Charger	24V-30A external charger (Lead acid) 24V-100A external charger (Li-ion)
Battery indicator	With time(bluetooth)
Attachments	No Sideshifter
Castor wheels	Yes and not customized
Water auto-filling system	No Yes and not customized
Rearview mirror	No Yes and not customized
Turtle speed	0.08
Telematics	No Yes and not customized

ITEM	OPTIONS (optional items marked in yellow)
Battery side pull function	Yes and not customized
Cold storage	No Yes and not customized
Proportional lift system	Yes and not customized
Overhead guard	No Yes and not customized
Battery side pull attachment	No Side pull trolley