CQE12R

ELECTRIC REACH TRUCK 1.2T

1200 kg | 3000 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
Battery type			Lead Acid/Li-ion
Battery nominal capacity		Ah	210
Battery voltage		V	24
Load capacity	Q	kg	1200
Load centre distance	c	mm	500
Service weight		kg	1745
Retracted mast height	h_1	mm	2065
Lift height	h_3	mm	3000
Height, mast extended	h_4	mm	4000
Overall length		mm	2312
Overall width	b_1/b_2	mm	850/988
Length to face of forks	l2	mm	1242
Fork dimensions	s/e/l	mm	40/100/1070
Turning radius		Wa	1597
Operator type			Pedestrian
Load distance, centre of drive axle to fork		mm	346

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.

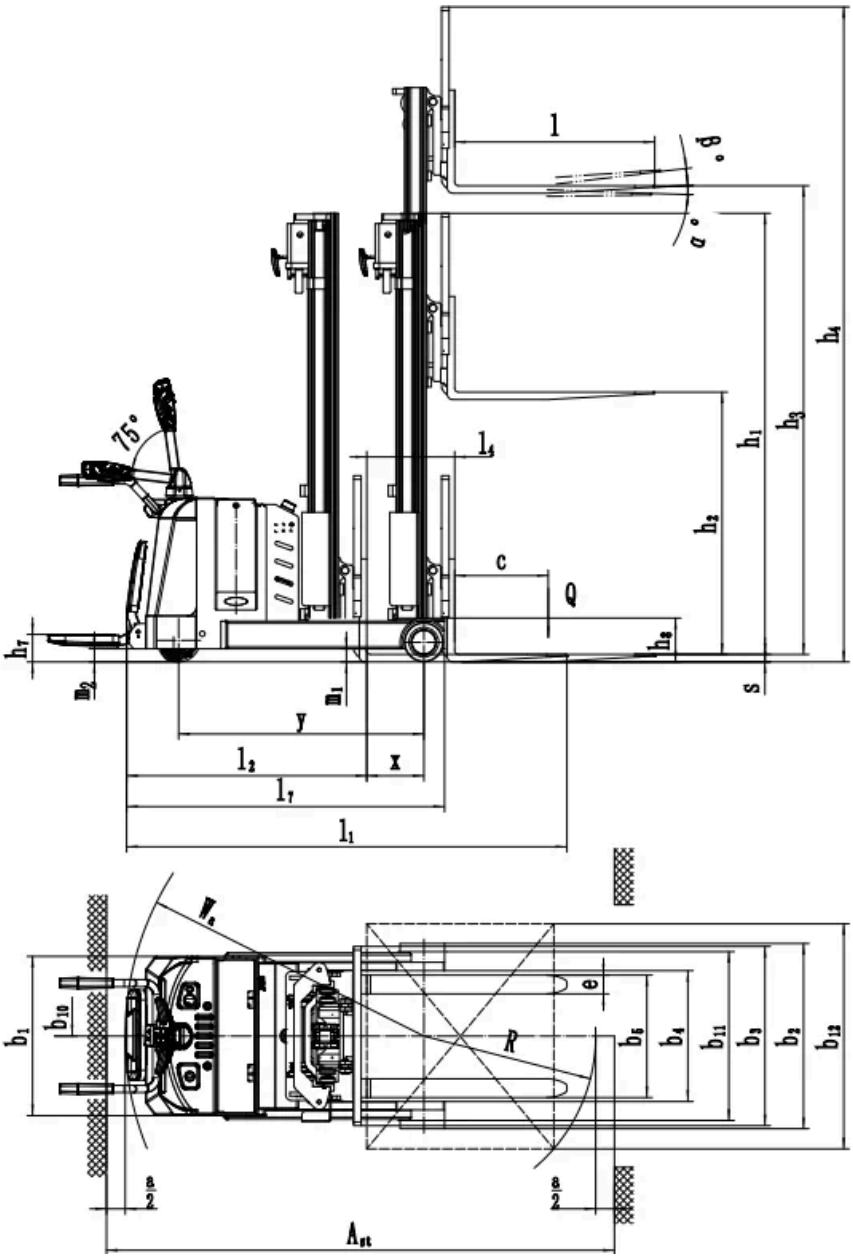
VDI Chart

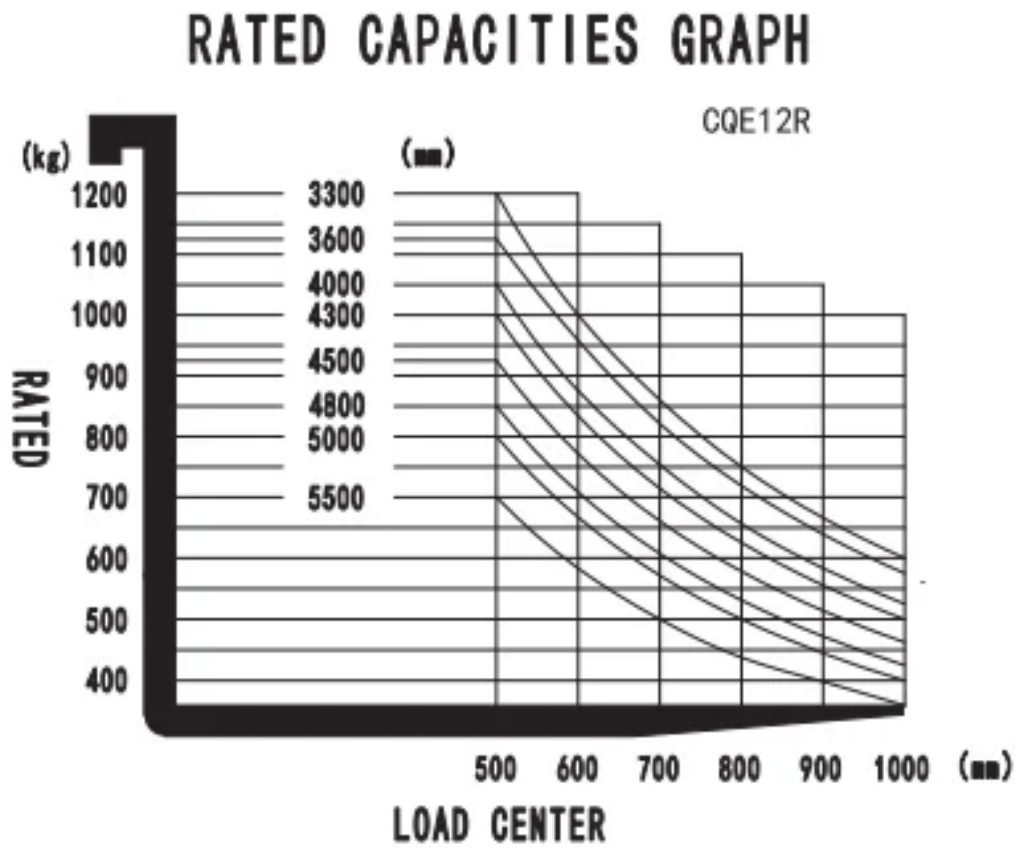
	SPECIFICATION	REF	UNIT	VALUE
1.4	Operator type			Pedestrian
1.5	Load capacity	Q	kg	1200
1.6	Load centre distance	c	mm	500

	SPECIFICATION	REF	UNIT	VALUE
1.8	Load distance, centre of drive axle to fork		mm	346
1.9	Wheelbase		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	Tyre type			Polyurethane
3.2	Tyre size, front			Φ230×75
3.3	Tyre size, rear			Φ210×85
3.5	Additional wheels (castor wheels)			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		°	2/4
4.10	Height of wheel arms		mm	235
4.14	Stand height, elevated			4000
4.15	Lowered height			2065
4.19	Overall length		mm	2312
4.2	Retracted mast height	h_1	mm	2065
4.20	Length to face of forks	l2	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	A,B Fork carriage class/type A, B			2A
4.24	Fork carriage width		mm	956
4.26	Distance between wheel arms/loading surfaces			698
4.3	Free lift		mm	\
4.31	Ground clearance, laden, below mast		mm	75
4.32	Ground clearance, centre of wheelbase		mm	70
4.34.1	Aisle width for pallets 1000×1200 crossways		Ast	2684
4.34.2	Aisle width for pallets 800×1200 lengthways		Ast	2739
4.35	Turning radius		Wa	1597
4.4	Lift height	h_3	mm	3000
4.4.1	Max lift height		mm	5500
4.5	Height, mast extended	h_4	mm	4000
4.7	Height of overhead guard (cabin)		mm	\

	SPECIFICATION	REF	UNIT	VALUE
4.8	Seat height/standing height		mm	150
5.1	Travel speed, laden/unladen		km/h	5.5/6.0
5.10	Service brake			Electromagnetic
5.11	Parking brake			Mechanical
5.2	Lifting speed, laden/unladen		m/s	0.12/0.15
5.3	Lowering speed, laden/unladen		m/s	0.18/0.12
5.8	Max. gradeability, laden/unladen		%	6/10
6.1	Drive motor rating S2 60 min		kW	1.6
6.2	Lift motor rating at S3 15%		kW	1.6
6.4	Battery nominal capacity		Ah	210
6.4	Battery voltage		V	24
6.4.1	Battery type			Lead Acid/Li-ion
6.5	Battery weight		kg	190
6.5	Charger output current			Charger output current
6.6	Energy consumption according to DIN EN 16796		kWh/h	Energy consumption according to DIN EN 16796
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)	74

VDI Drawing





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
Attachments	No | Sideshifter
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 display indicator (BDI)	With time(bluetooth)
Rearview mirror	No | Yes and not customized
Turtle speed	0.08

ITEM	OPTIONS (optional items marked in yellow)
Telematics	No | Yes and not customized
Castor wheels	Yes and not customized
Water auto-filling system	No | Yes and not customized
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