CQE15R

ELECTRIC REACH TRUCK 1.5T

1500 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			CQE15R
Model designation			CQE15R
Battery voltage		V	24
Rated capacity	Q	kg	1500
Load centre distance	c	mm	500
Service weight		kg	1955
Height, mast lowered	h_1	mm	2065
Lift	h_3	mm	3000
Height, mast extended	h_4	mm	4000
Overall length	l_1	mm	2332
Overall width	b_1/b_2	mm	850/1018
Length to face of forks	l_2	mm	1262
Fork dimensions	s/e/l	mm	40/100/1070
Turning radius	Wa	mm	1697
Drive			Electric
Operator type			Pedestrian

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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			CQE15R
1.2	Model designation			CQE15R
1.3	Drive			Electric
1.4	Operator type			Pedestrian
1.5	Rated capacity	Q	kg	1500
1.6	Load centre distance	c	mm	500
1.8	Load distance, centre of drive axle to fork	x	mm	346
1.9	Wheelbase	y	mm	1412
2.1	Service weight		kg	1955
2.2	Axle loading, laden front/rear		kg	391/3093

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	SPECIFICATION	REF	UNIT	VALUE
2.3	Axle loading, unladen front/rear		kg	1132/901
3.1	Tyres			Polyurethane
3.2	Tyre size, front		mm	Φ230×75
3.3	Tyre size, rear		mm	Φ254×102
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	914
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	h7	mm	150
4.10	Height of wheel arms		mm	275
4.12	Coupling height	h10	mm	230
4.14	Stand height, elevated	h12	mm	4000
4.15	Height, lowered	h_{13}	mm	2065
4.19	Overall length	l_1	mm	2332
4.20	Length to face of forks	l_2	mm	1262
4.21	Overall width	b_1/b_2	mm	850/1018
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	2726
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	2766
4.35	Turning radius	Wa	mm	1697
5.1	Travel speed, laden/unladen		km/h	5.5/6.0
5.2	Lift speed, laden/unladen		m/s	0.12/0.145
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

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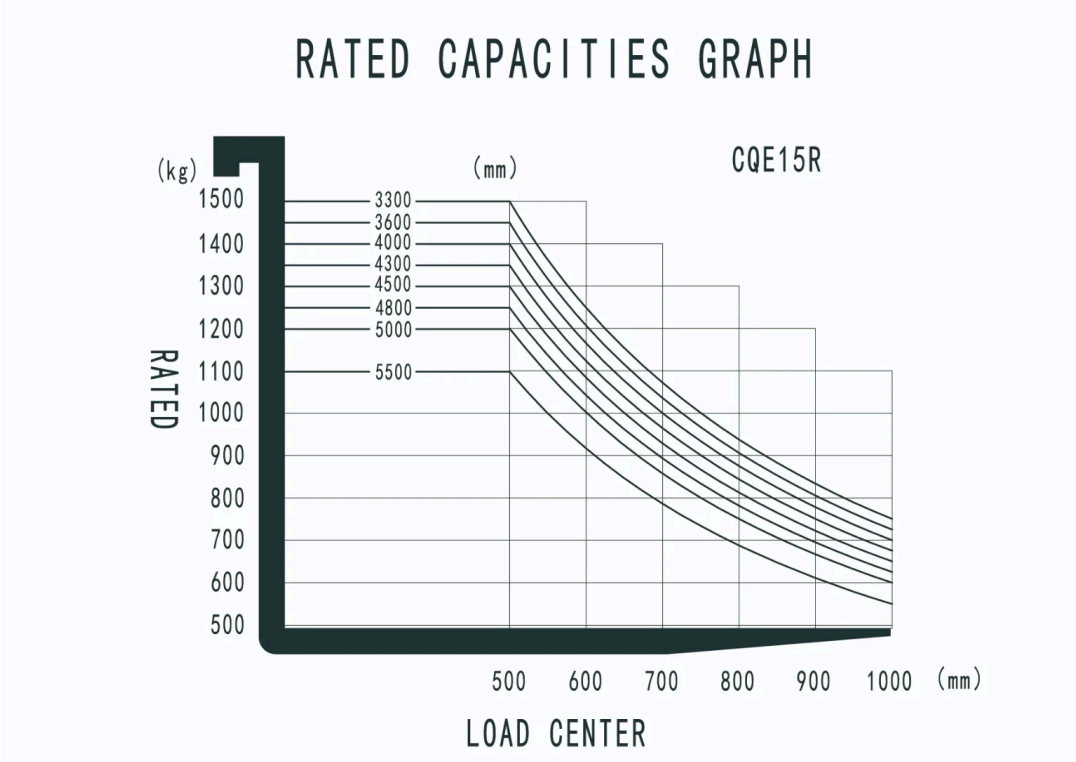
	SPECIFICATION	REF	UNIT	VALUE
5.11	Parking brake			Mechanical
6.1	Drive motor rating S2 60 min		kW	1.6
6.2	Lift motor rating at S3 15%		kW	3
6.4.1	Battery voltage		V	24
6.4.2	Battery nominal capacity K5		Ah	280
6.4.3	Battery type			Lead Acid/Li-ion
6.5	Battery weight		kg	230
8.1	Type of drive unit			AC
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.

VDI Drawing



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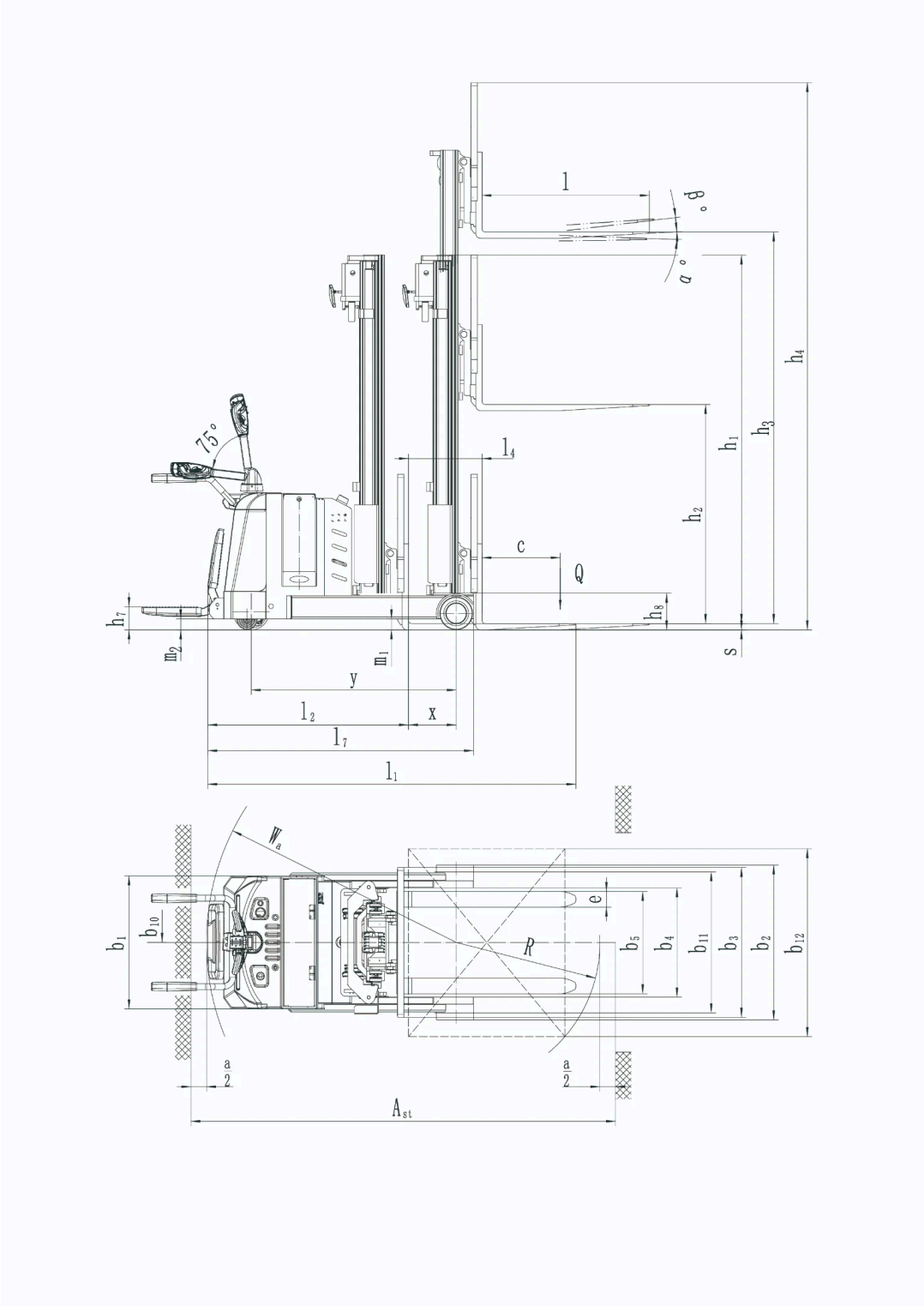

Options

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

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ITEM	OPTIONS (optional items marked in yellow)
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
Telematics	No | Yes and not customized
Charging interlock-UK standard	280
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
AS/NZS function package	6
Rear armrest horn	1955
Mast screen	150
Pump Motor	5.5
Reach lift truck Leg width	1412
Traction Motor	1.6

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