

# 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            |
|---------------------------------------------|--------------------------------|------|------------------|
| Battery type                                |                                |      | Lead Acid/Li-ion |
| Battery nominal capacity                    |                                | Ah   | 280              |
| Battery voltage                             |                                | V    | 24               |
| Load capacity                               | Q                              | kg   | 1500             |
| Load centre distance                        | c                              | mm   | 500              |
| Service weight                              |                                | kg   | 1955             |
| Retracted mast height                       | h <sub>1</sub>                 | mm   | 2065             |
| Lift height                                 | h <sub>3</sub>                 | mm   | 3000             |
| Height, mast extended                       | h <sub>4</sub>                 | mm   | 4000             |
| Overall length                              |                                | mm   | 2332             |
| Overall width                               | b <sub>1</sub> /b <sub>2</sub> | mm   | 850/1018         |
| Length to face of forks                     | l <sub>2</sub>                 | mm   | 1262             |
| Fork dimensions                             | s/e/l                          | mm   | 40/100/1070      |
| Turning radius                              |                                | Wa   | 1697             |
| 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

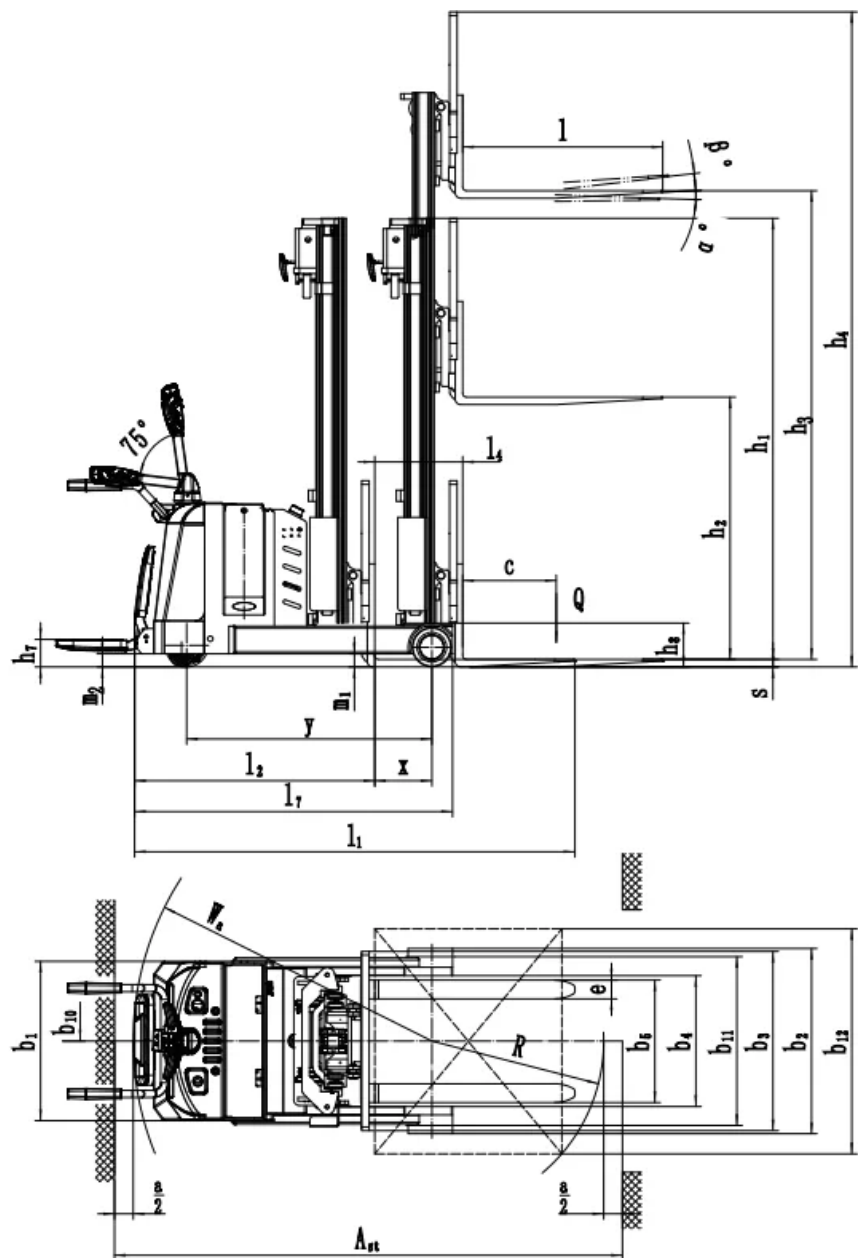
Operators benefit from EPS steering, a foldable platform, ergonomic tiller head, and anti-rollback braking. Multiple safety systems, including hydraulic drop protection and emergency stop, ensure smooth and secure operation.

# VDI Chart

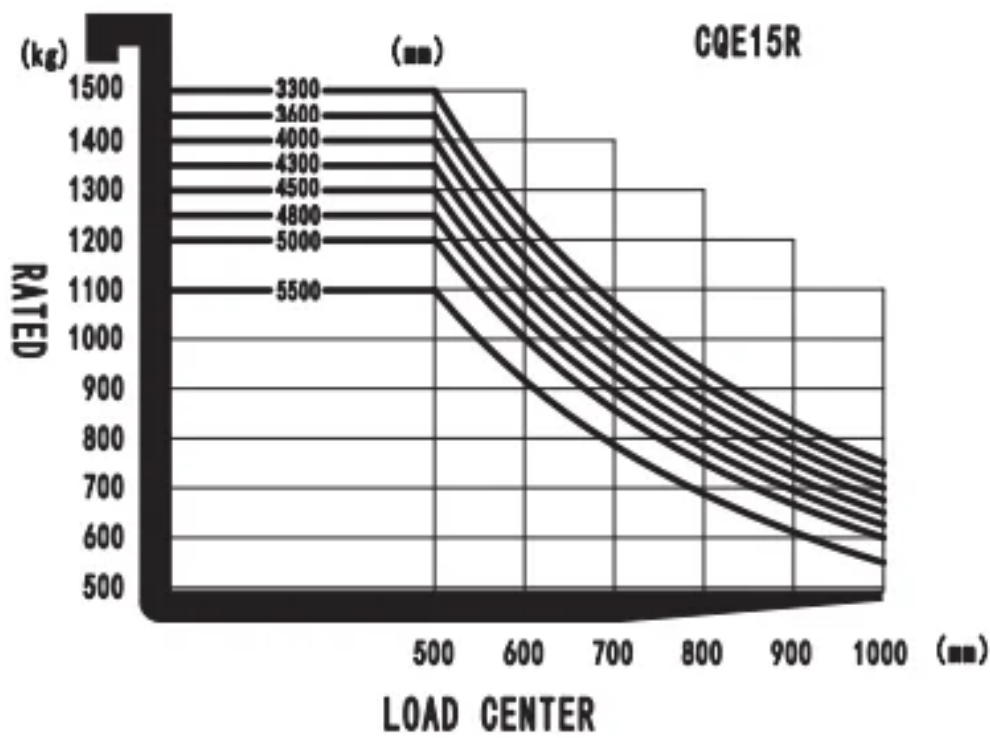
| SPECIFICATION |                                             | REF | UNIT | VALUE      |
|---------------|---------------------------------------------|-----|------|------------|
| 1.4           | Operator type                               |     |      | Pedestrian |
| 1.5           | Load capacity                               | Q   | kg   | 1500       |
| 1.6           | Load centre distance                        | c   | mm   | 500        |
| 1.8           | Load distance, centre of drive axle to fork |     | mm   | 346        |
| 1.9           | Wheelbase                                   |     | mm   | 1412       |
| 2.1           | Service weight                              |     | kg   | 1955       |
| 2.2           | Axle loading, laden front/rear              |     | kg   | 391/3093   |
| 2.3           | Axle loading, unladen front/rear            |     | kg   | 1132/901   |

| SPECIFICATION |                                              | REF                            | UNIT | VALUE           |
|---------------|----------------------------------------------|--------------------------------|------|-----------------|
| 3.1           | Tyre type                                    |                                |      | 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          |
| 3.6.1         | Tread width, front                           | b <sub>10</sub>                | mm   | 634             |
| 3.7.1         | Tread width, rear                            | b <sub>11</sub>                | mm   | 914             |
| 4.0           | Max lift height                              | H                              | mm   | 5500            |
| 4.1           | Tilt of mast/fork carriage forward/backward  |                                | °    | 2/4             |
| 4.10          | Height of wheel arms                         |                                | mm   | 275             |
| 4.12          | Tow coupling height                          |                                | mm   | 230             |
| 4.14          | Stand height, elevated                       |                                |      | 4000            |
| 4.15          | Lowered height                               |                                |      | 2065            |
| 4.19          | Overall length                               |                                | mm   | 2332            |
| 4.2           | Retracted mast height                        | h <sub>1</sub>                 | mm   | 2065            |
| 4.20          | Length to face of forks                      | l <sub>2</sub>                 | mm   | 1262            |
| 4.21          | Overall width                                | b <sub>1</sub> /b <sub>2</sub> | mm   | 850/1018        |
| 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  | 2726            |
| 4.34.2        | Aisle width for pallets 800×1200 lengthways  |                                | Ast  | 2766            |
| 4.35          | Turning radius                               |                                | Wa   | 1697            |
| 4.4           | Lift height                                  | h <sub>3</sub>                 | mm   | 3000            |
| 4.5           | Height, mast extended                        | h <sub>4</sub>                 | mm   | 4000            |
| 4.6           | Initial lift                                 |                                | mm   | 0               |
| 4.7           | Height of overhead guard (cabin)             |                                | mm   | \               |
| 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 |

|       | SPECIFICATION                                | REF | UNIT  | VALUE                                        |
|-------|----------------------------------------------|-----|-------|----------------------------------------------|
| 5.11  | Parking brake                                |     |       | Mechanical                                   |
| 5.2   | Lifting 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                                         |
| 6.1   | Drive motor rating S2 60 min                 |     | kW    | 1.6                                          |
| 6.2   | Lift motor rating at S3 15%                  |     | kW    | 3                                            |
| 6.4   | Battery nominal capacity                     |     | Ah    | 280                                          |
| 6.4   | Battery voltage                              |     | V     | 24                                           |
| 6.4.1 | Battery type                                 |     |       | Lead Acid/Li-ion                             |
| 6.5   | Battery weight                               |     | kg    | 230                                          |
| 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                                           |
| 15.1  | Charger output current                       |     | A     | Charger output current                       |



# RATED CAPACITIES GRAPH



## 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                                                                                                                                                 |
| Telematics                      | No   Yes and not customized                                                                                                                                                 |

| ITEM                           | OPTIONS (optional items marked in yellow) |
|--------------------------------|-------------------------------------------|
| Charging interlock-UK standard | 280                                       |
| 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                    |
| Special AUS/NZ options         | 6                                         |
| Rear armrest horn              | 1955                                      |
| Mast screen                    | 150                                       |
| Pump Motor                     | 5.5                                       |
| Reach lift truck Leg width     | 1412                                      |
| Traction Motor                 | 1.6                                       |