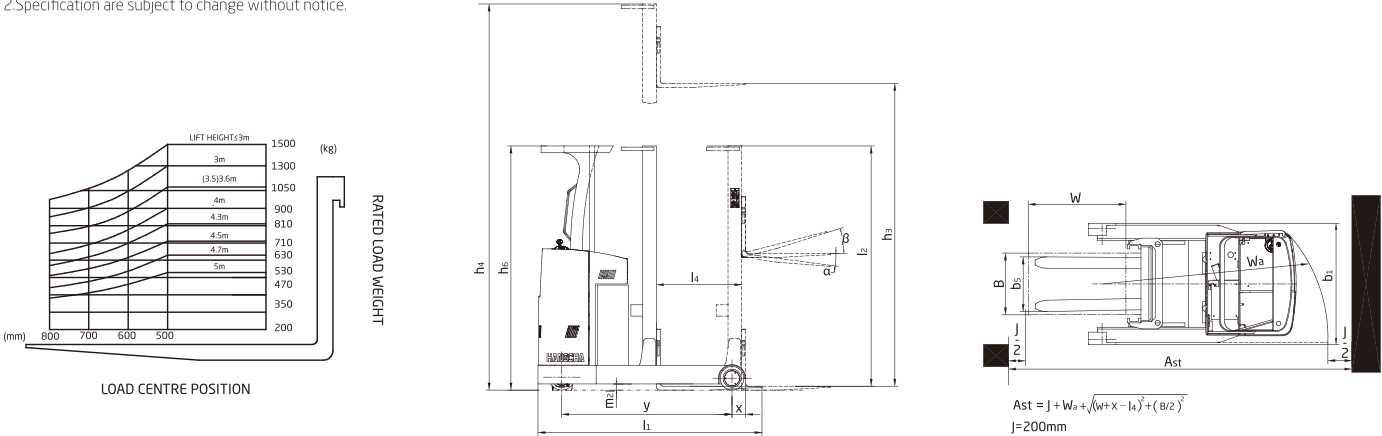


A Series Mini Range Reach Truck

|                     |        |                                                                  |            |                                                |
|---------------------|--------|------------------------------------------------------------------|------------|------------------------------------------------|
| Distinguishing mark | 1.1    | Manufacturer                                                     |            | HANGCHA GROUP CO.,LTD.                         |
|                     | 1.2    | Manufacturer's type designation                                  |            | CQD15-AMC1                                     |
|                     | 1.3    | Drive: electric (battery or mains), diesel, petrol, fuel gas     |            | electric                                       |
|                     | 1.4    | Operator type: hand, pedestrian, standing, seated, order-pickier |            | seated                                         |
|                     | 1.5    | Rated capacity/rated load                                        | Q (kg)     | 1500                                           |
| Weight              | 1.6    | Load centre distance                                             | c (mm)     | 500                                            |
|                     | 1.8    | Load distance, centre of drive axle to fork                      | x (mm)     | 130                                            |
|                     | 1.9    | Wheelbase                                                        | y (mm)     | 1508                                           |
|                     | 2.1    | Service weight (including battery)                               | Kg         | 1860                                           |
|                     | 2.2    | Axle loading, laden front/rear                                   | kg         | 3900/540                                       |
| Tyres, chassis      | 2.3    | Axle loading, unladen front/rear                                 | kg         | 1353/1587                                      |
|                     | 3.1    | Tyres: solid rubber, superelastic, pneumatic, polyurethane       |            | polyurethane                                   |
|                     | 3.2    | Tyre size, front                                                 |            | 210x80                                         |
|                     | 3.3    | Tyre size, rear                                                  |            | 230x75                                         |
|                     | 3.4    | Additional wheels(dimensions)                                    |            | 125x50                                         |
| Dimensions          | 3.5    | Wheels, number front / rear (x = driven wheels)                  |            | 1x+2/2                                         |
|                     | 3.6    | Tread, front                                                     | b10 (mm)   | 981                                            |
|                     | 3.7    | Tread, rear                                                      | b11 (mm)   | 551.3                                          |
|                     | 4.1    | Tilt of mast/fork carriage forward/backward                      | α/β(°)     | 3/5                                            |
|                     | 4.2    | Height, mast lowered                                             | h1 (mm)    | 2030                                           |
|                     | 4.3    | Free lift                                                        | h2 (mm)    | 105                                            |
|                     | 4.4    | Lift                                                             | h3 (mm)    | 3000                                           |
|                     | 4.5    | Height, mast extended                                            | h4 (mm)    | 3955                                           |
|                     | 4.7    | Height of overhead guard                                         | h6 (mm)    | 2161                                           |
|                     | 4.9    | Seat height/stand height                                         | h7 (mm)    | 950                                            |
|                     | 4.19   | Overall length                                                   | l1 (mm)    | 2150                                           |
|                     | 4.20   | Length to face of forks                                          | l2 (mm)    | 1849                                           |
|                     | 4.21   | Overall width                                                    | b1(mm)     | 1074                                           |
|                     | 4.22   | Fork dimensions ISO 2331                                         | s/e/l (mm) | 35x100x920                                     |
|                     | 4.23   | Fork carriage DIN 15 173 --- ISO 2328, class/type A,B            |            | ISO2328 2A                                     |
|                     | 4.24   | Fork-carriage width                                              | b3 (mm)    | 902                                            |
|                     | 4.25   | Distance between fork-arms                                       | b5 (mm)    | 240/720                                        |
|                     | 4.28   | Reach distance                                                   | l4 (mm)    | 615                                            |
|                     | 4.31   | Ground clearance, laden, below mast                              | m1 (mm)    | 73                                             |
|                     | 4.32   | Ground clearance, centre of wheelbase                            | m2 (mm)    | 55                                             |
| Performance Data    | 4.34.1 | Aisle width for pallets 1000 x 1200 crossways                    | Ast (mm)   | 2480                                           |
|                     | 4.34.2 | Aisle width for pallets 800 x 1200 lengthways                    | Ast (mm)   | 2610                                           |
|                     | 4.35   | Turning radius                                                   | Wa (mm)    | 1700                                           |
|                     | 5.1    | Travel speed, laden/unladen                                      | Km/h       | 6.5/7.5                                        |
|                     | 5.2    | Lift speed, laden/unladen                                        | m/s        | 0.100/0.135                                    |
|                     | 5.3    | Lowering speed, laden/unladen                                    | m/s        | 0.283/0.128                                    |
|                     | 5.8    | Max. gradeability, laden/unladen                                 | %          | 5/8                                            |
|                     | 5.9    | Acceleration time, laden/unladen (0-10m)                         | s          | 7.23                                           |
|                     | 5.10   | Service brake                                                    |            | Electromagnetic                                |
|                     | 5.11   | Parking brake                                                    |            | Electromagnetic                                |
| Electric-engine     | 6.1    | Drive motor rating S2 60 min                                     | kW         | 2.0(AC)                                        |
|                     | 6.2    | Lift motor rating at S3 15%                                      | kW         | 3.0(DC)                                        |
|                     | 6.3    | Battery acc. to DIN 43 531/35/36 A,B,C, no                       |            | no                                             |
|                     | 6.4    | Battery voltage, nominal capacity K5                             | V/Ah       | 24/240                                         |
|                     | 6.5    | Battery weight                                                   | kg         | 220                                            |
|                     | 6.6    | Battery dimensions                                               | l/b/h(mm)  | 270×870×660                                    |
|                     | 6.8    | Max. battery weight                                              | kg         | 220                                            |
|                     | 6.9    | Min. battery weight                                              | kg         | 240                                            |
| Addition data       | 8.1    | Type of drive control                                            |            | MOSFET/AC 1232E+Permanent magnet magnet/DC1220 |
|                     |        | Manufacturer/Type                                                |            | CURTIS                                         |
|                     | 10.3   | Hydraulic Tank - capacity (drain & refill)                       | liter      | 16                                             |
|                     | 10.7   | Sound level at the driver's ear according to EN / DIN 12 053     | dB (A)     | 50                                             |

1.The specification in this table are for standard models only. For further information please contact us.  
2.Specification are subject to change without notice.



Mast specification

| Type                             | Model  | Max.fork height | Overall height |                  | Free lift        | Tilt range |     | Capacity               | Tilting method |
|----------------------------------|--------|-----------------|----------------|------------------|------------------|------------|-----|------------------------|----------------|
|                                  |        |                 | Lowered        | Extended         | Without backrest | FwD        | BwD | load capacity at 500mm |                |
|                                  |        |                 |                | Without backrest |                  |            |     |                        |                |
| Wide view mast                   | QAM15M | mm              | mm             | mm               | mm               | (°)        | (°) | kg                     | Mast tilting   |
|                                  |        | 2500            | 1780           | 3061             | 105              | 3          | 5   | 1500                   |                |
|                                  |        | 3000            | 2030           | 3561             | 105              | 3          | 5   | 1500                   |                |
|                                  |        | 3500            | 2280           | 4061             | 105              | 3          | 5   | 1050                   |                |
|                                  |        | 4000            | 2580           | 4561             | 105              | 3          | 5   | 900                    |                |
| Wide view full free triplex mast | QAM15N | 4500            | 2066           | 5066             | 1500             | 3          | 5   | 710                    |                |



A Series Mini Range Reach Truck

with capacities of 1,500kg



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ISO14001  
ISO14001:2004

ISO9001  
ISO9001:2008

HANGCHA GROUP CO., LTD. reserves the right to make any changes without notice concerning colors,equipment,or specifications detailed in this brochure, or to discontinue individual models. The colors of trucks, delivered may differ slightly from those in brochures.

The World of Hangcha



# A Series Mini Range Reach Truck

A series mini range reach truck can use for work in narrow aisle and limited room. It featured flexible operation, high load capacity, is the ideal equipment for warehouses, supermarkets, workshop, etc.

## Accurate/ Advanced/ Agility

### Appearance

/ A series mini range reach truck applied big circular arc model, steam lines and compact design make the truck beautiful.



### Reliability

- / All the key parts such as waterproof connectors, electromagnetic brake and emergency switch adopt the famous brand, greatly improve the reliability of the electric system.
- / There is overloading protection for electronics and hydraulic system.

### Comfort

- / Electric Power Steering (EPS) is standard specification, which provides flexible operation.
- / Low noise, no exhaust emission, low energy consumption, are all environment friendly.
- / Spacious operator compartment makes the driver in a comfortable condition.
- / The drive can choose two operation modes, standing or seated.

### Flexibility

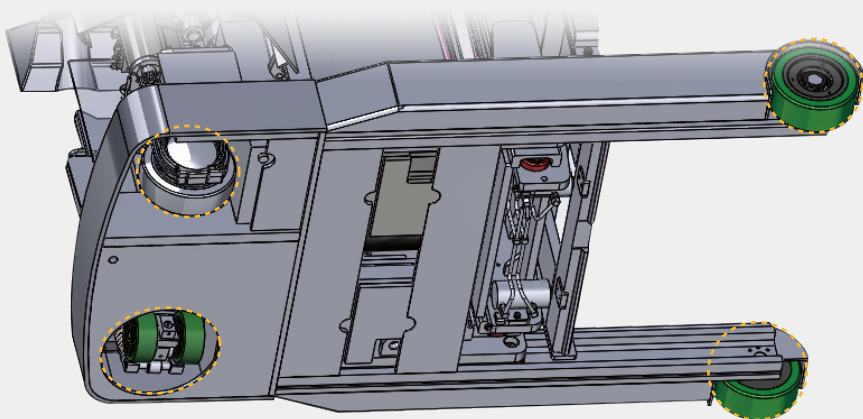
- / The traction system is arranged in the right rear of the chassis, thanks to the right and left 90 degrees turning of drive wheel, the truck can travel in the narrow space flexibly.

### Advancement

- / High frequency MOSFET controller provides accurate control of travelling, lifting with better adjustable performance, motor and battery match each other better. Three braking are applied with regenerative braking, reverse current braking, parking brake and auto speed control on gradient. It is more energy saving and effectively.
- / Integrated battery indicator\ hour meter and self-diagnostic instrument.



The bottom of the truck



### Standard specification

- / PU drive wheel and PU load wheel
- / Big capacity battery (240Ah)
- / Emergency switch
- / 3-valves inside chassis
- / Armrest
- / Seat
- / Full electronic controlled travelling, lifting,steering
- / EPS (Electric Power Steering)
- / 3 meters standard mast
- / Electromagnetic brake
- / Horn
- / Operator presence pedal
- / Battery side roll-out

### Options

- / 4th hydraulic function
- / 2.5-4.5 meters duplex mast
- / Other dimension forks
- / Imported battery
- / Auto high-frequency charger
- / Other attachments
- / Special carriage and load backrest
- / Integrated sideshifter

Low centre of gravity design and 4-pivot equipped with side support systemfor safe and reliable operation.



The battery box can be easily pull out when the mast reach forward, it's easy for maintain



The truck can't be operated unless the driver press the pedal (Operator presence pedal) which equipped with switch, the feature greatly improves safety and reliability



Ergonomically designed joystick, can control the truck travel forward or backward easily



Full opened hood, easy accessibility of all components, is easy for service