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# The Catalogue

Hangcha Material Handling.



*The World of Hangcha*





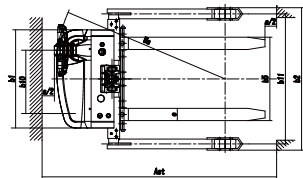
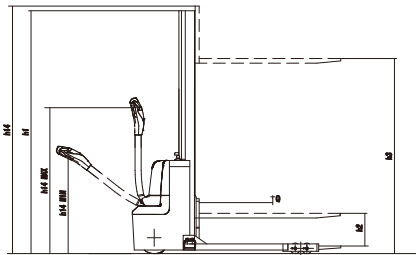
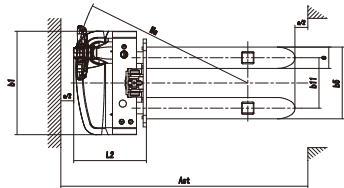
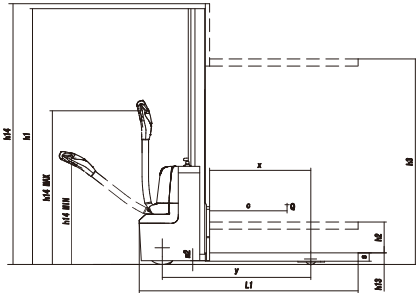


# A Series Pallet Stacker Mini Range (single column)

with capacities of 1,000 to 1,200kg

## 1.0/1.2t Mini Range Pallet Stacker Single Column Specification:

| Mast Type                      | Max Lifting Height<br>h <sub>3</sub> | Max. fork height<br>(h <sub>3</sub> +h <sub>13</sub> ) | Lowered Height<br>h <sub>1</sub> | Extended Height<br>h <sub>4</sub> | Free lift | Load Capacity at 600mm/23.6in |             |
|--------------------------------|--------------------------------------|--------------------------------------------------------|----------------------------------|-----------------------------------|-----------|-------------------------------|-------------|
|                                |                                      |                                                        |                                  |                                   |           | 1.0t/2205lb                   | 1.2t/2646lb |
| Single cylinder<br>Single mast | mm/in                                | mm/in                                                  | mm/in                            | mm/in                             | mm/in     | Kg/lb                         | Kg/lb       |
|                                | 1500/59.1                            | 1585/59.1                                              | 1979/62.4                        | 1986/77.9                         | 1493/58.8 | 1000/2205                     | 1200/2646   |
|                                | 1750/68.9                            | 1835/68.9                                              | 2229/72.2                        | 2236/87.8                         | 1743/68.6 | 1000/2205                     | 1200/2646   |
|                                | 2000/78.7                            | 2085/78.7                                              | 2479/82.1                        | 2486/97.6                         | 1993/78.5 | 1000/2205                     | 1200/2646   |



## High Performance

- / Strong power to satisfy most applications of material handling.
- / Latest permanent magnetic system including motor and controller applied to provide excellent, efficient performance.
- / Regenerative brake and slope anti-slide function are offered by this truck.

## Reliability

- / CDD: The adopted four-pivot design to provide reasonable driving wheel balance and good visibility and reliability.
- / The applied lifting system with optimized design is more stable and reliable.
- / Water-proof plugs and connectors applied to provide a reliable protection to electric system.
- / Top quality hydraulic power unit applied to provide low noise, low vibration, smooth lifting and landing.
- / Punch-formed forks to provide more strength and tip guide to provide higher efficient operation.

## Standard Specification

- / Horn
- / PU drive wheel
- / Internal charger
- / Multi-function tiller
- / Tandem load wheels
- / 1150mm fork length
- / Hydraulic power unit
- / Maintenance free battery
- / 560mm outside fork width
- / Permanent magnetic motor
- / Emergency disconnect switch
- / CURTIS permanent magnetic controller
- / 1.5m standard mast

## Comfort

- / Simple and beautiful tiller designed to operate all functions easily even by one hand.
- / Optimized design to offer a good visibility and easy entrance of the pallet.
- / Built-in charger and maintenance free gel battery adopted to provide convenient usage.
- / Compact size to offer smart operations and pass of narrow aisle.

## Safety

- / With three braking types: releasing brake, reversing brake and emergency brake, the driving safety has been ensured.
- / The applied slope anti-slip function ensures the safety of the operation.
- / The emergency button on the tiller head can effectively avoid the harm to the driver in emergent situations when driving in reverse.
- / The standard equipped electronic lifting limitation and soft landing system protect working motor and loads from damaging.

## Options

- / Load backrest
- / 1220mm fork length
- / 680mm outside fork width
- / Cold store protection(-30 C)
- / 2m mast

## A Series Pallet Stacker Mini Range-Single Column

| Distinguishing mark | 1.1    | Manufacturer                                                    | HANGCHA GROUP CO.,LTD.  |                            |                            |                                    |
|---------------------|--------|-----------------------------------------------------------------|-------------------------|----------------------------|----------------------------|------------------------------------|
|                     | 1.2    | Manufacturer's type designation                                 | CDD10-AMC1              | CDD12-AMC1                 | CDD10-AMC1-B               | CDD12-AMC1-B                       |
| Weight              | 1.4    | Operator type: hand, pedestrian, standing, seated, order-picker | Pedestrian              | Pedestrian                 | Pedestrian                 | Pedestrian                         |
|                     | 1.5    | Rated capacity/rated load                                       | Q (kg/lb)               | 1000/2205                  | 1000/2205                  | 1200/2646                          |
|                     | 1.6    | Load centre distance                                            | c (mm/in)               | 600/23.6                   | 600/23.6                   | 600/23.6                           |
|                     | 1.9    | Wheelbase                                                       | y (mm/in)               | 1197.5/47.1                | 1197.5/47.1                | 1197.5/47.1                        |
| Tyres, chassis      | 2.1    | Service Weight                                                  | kg/lb                   | 500/1102                   | 500/1102                   | 500/1102                           |
|                     | 3.1    | Tyres: solid rubber, superelastic, pneumatic, polyurethane      | PU                      | PU                         | PU                         | PU                                 |
|                     | 3.2    | Tyre size, front                                                | mm/in                   | φ250/9.8x80/3.1            | φ250/9.8x80/3.1            | φ250/9.8x80/3.1                    |
|                     | 3.3    | Tyre size, rear                                                 | mm/in                   | φ85/3.3x70/2.8             | φ85/3.3x70/2.8             | φ85/3.3x70/2.8                     |
|                     | 3.4    | Additional wheel (dimensions)                                   | mm/in                   | φ125/4.9x50/2              | φ125/4.9x50/2              | φ125/4.9x50/2                      |
|                     | 3.5    | Wheels, number front / rear (x = driven wheels)                 |                         | 1x+1/4                     | 1x+1/4                     | 1x+1/4                             |
|                     | 3.6    | Tread, front                                                    | b <sub>10</sub> (mm/in) | 520/20.5                   | 520/20.5                   | 520/20.5                           |
| Dimensions          | 3.7    | Tread, rear                                                     | b <sub>11</sub> (mm/in) | 390/15.4                   | 390/15.4                   | 1060/1170/1370<br>(39.4/46.1/53.9) |
|                     | 4.4    | Lift                                                            | h <sub>3</sub> (mm/in)  | 1500/59.1                  | 1500/59.1                  | 1500/59.1                          |
|                     | 4.15   | Fork height,lowered                                             | h <sub>13</sub> (mm/in) | 85/3.3                     | 85/3.3                     | 85/3.3                             |
|                     | 4.19   | Overall length                                                  | l <sub>1</sub> (mm/in)  | 1695/66.7                  | 1695/66.7                  | 1695/66.7                          |
|                     | 4.21   | Overall width                                                   | b <sub>1</sub> (mm/in)  | 800/31.5                   | 800/31.5                   | 1160/1270/1470<br>(45.7/50/57.9)   |
|                     | 4.22   | Fork dimensions ISO 2331                                        | s/e/l mm(in)            | 60/170/1150 (2.4/6.7/45.3) | 60/170/1150 (2.4/6.7/45.3) | 35/100/1070 (1.4/6.7/42.1)         |
|                     | 4.25   | Distance between fork-arms                                      | b <sub>5</sub> (mm/in)  | 560/22.0                   | 560/22.0                   | 210-790/8.3-31.1                   |
|                     | 4.32   | Ground clearance, centre of wheelbase                           | m <sub>2</sub> (mm/in)  | 35/1.4                     | 35/1.4                     | 35/1.4                             |
|                     | 4.34.1 | Aisle width for pallets 1000 x 1200 crossways                   | A <sub>st</sub> (mm/in) | 2002/78.8                  | 2002/78.8                  | 2002/78.8                          |
|                     | 4.34.2 | Aisle width for pallets 800 x 1200 lengthways                   | A <sub>st</sub> (mm/in) | 2052/80.8                  | 2052/80.8                  | 2052/80.8                          |
|                     | 4.35   | Turning radius                                                  | W <sub>a</sub> (mm/in)  | 1422/56.0                  | 1422/56.0                  | 1422/56.0                          |
|                     | 5.1    | Travel speed,laden/unladen                                      | km/h mph                | 4.2/4.5 2.6/2.8            | 4.2/4.5 2.6/2.8            | 4.2/4.5 2.6/2.8                    |
|                     | 5.2    | Lift speed,laden/unladen                                        | m/s (ft/min)            | 0.140/0.230 (27.6/45.3)    | 0.120/0.230 (23.6/45.3)    | 0.140/0.230 (27.6/45.3)            |
|                     | 5.3    | Lowering speed,laden/unladen                                    | m/s (ft/min)            | 0.180/0.170 (35.4/33.5)    | 0.180/0.170 (35.4/33.5)    | 0.180/0.170 (35.4/33.5)            |
| Performance data    | 5.8    | Max Gradeability,laden/unladen                                  | %                       | 6/10                       | 6/10                       | 6/10                               |
|                     | 6.1    | Drive motor rating S2 60 min                                    | kW/hp                   | 0.7/0.94                   | 0.7/0.94                   | 0.7/0.94                           |
|                     | 6.2    | Lift motor rating at S3 15%                                     | kW/hp                   | 2.2/2.95                   | 2.2/2.95                   | 2.2/2.95                           |
|                     | 6.4    | Battery voltage,rated capacity                                  | V/Ah                    | 2x12/70                    | 2x12/70                    | 2x12/70                            |
| Electric engine     | 8.1    | Type of drive control                                           |                         | DC                         | DC                         | DC                                 |
|                     | 9.1    | Manufacturer                                                    |                         | Curtis                     | Curtis                     | Curtis                             |





# A Series Pallet Stacker Mini Range (Double column) with capacities of 1,000 to 1,200kg

The A series mini range pallet stacker (double column) has been engineered to be both powerful and flexible to meet the requirements of many demanding applications. Whether it's supermarket work, delivery service, stock replenishment or heavy manu- facturing, it has the strength and durability to minimise your total cost of ownership.

## Appearance

- / A series mini range pallet stacker (double column) applied professional industrial design, stream lines, and compact, and fully ergonomic consideration, in line with the latest design trends.
- / Applied steel stamping and injection molding processes, which is robust, durable, and also environmental compliance.

## High Performance

- / Rated capacity 1000/1200kg, meet the needs of the majority of customers.
- / Powered by traction motor not only has good acceleration and perfect performance, but also low heat.
- / Latest CURTIS permanent magnet control system, precise and smooth.
- / Regenerative braking for battery recovery during travel speed reduction, anti-slope on gradient.
- / All key parts such as tiller, switches, connectors, battery indicator and hour meter all adopt the famous brand.

## Reliability

- / High strength steel frame structure chassis provide larger residual load capability and longer working life.
- / 4-pivot design provide reasonable load distribution, and the good wheel grip ensuring excellent stability.
- / Imported waterproof connectors, all wires and cables are protected, greatly improve the reliability of the electric system.
- / Top quality hydraulic power unit applied to provide low noise, low vibration, smooth lifting and landing reliable operation.
- / The hydraulic unit and the chassis adopt flexible connection, can absorb vibration from the uneven road.
- / Punch formed forks to provide more strength and tip guide to provide higher efficient operation.

## Comfort

- / Simple and beautiful tiller designed to make the operator feel comfortable, all the operation can be completed by one hand.
- / Optimized designing structure to offer a good visibility and easy entrance of the pallet.
- / Built-in charger and maintenance free gel battery adopted to provide convenient usage.
- / The compact body and semicircular design provide an ideal operation in limited space.



Simple and beautiful tiller designed to improve the operator's driving comfort. Optimized designing structure to offer a good visibility and easy entrance to the pallet



Side battery change is standard specifica- tion



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



Mast tilting is the optional feature, offers proportional forward/backward speed



Safety

- / Three braking system of regenerative braking, reverse current braking, parking brake, insures the safe operation.
- / Anti-slope on gradient can keep the safety.
- / The emergency button on the tiller head can effectively avoid the harm to the driver.
- / Soft landing system applied to protect loads from damaging effectively.

Maintenance

- / Built-in charger and maintenance free gel battery, you don't need to worry about them.
- / Integrated battery indicator, hour meter and self-diagnostic instrument.
- / Full opened hood, easy accessibility of all components, is easy for service.
- / All shafts installed lubricated shaft sleeve and oil cup, provide convenient maintenance and long service life.
- / Dismantle the additional wheel don't need to lift the truck.



Standard Specification

- / Permanent magnet drive motor

/ CURTIS permanent magnet controller

/ Hydraulic unit

/ Emergency switch

/ Multi-function battery indicator

/ PU wheel
- / 1150mm fork length

/ 560mm outside fork width

/ Tiller

/ Horn

/ Maintenance free battery

/ Internal charger

Options

- / Mast lift height:2000-3600mm

/ 1220/1400mm fork length

/ 680mm outside fork width
- / Cold store protection(-30 C)

/ Load backrest

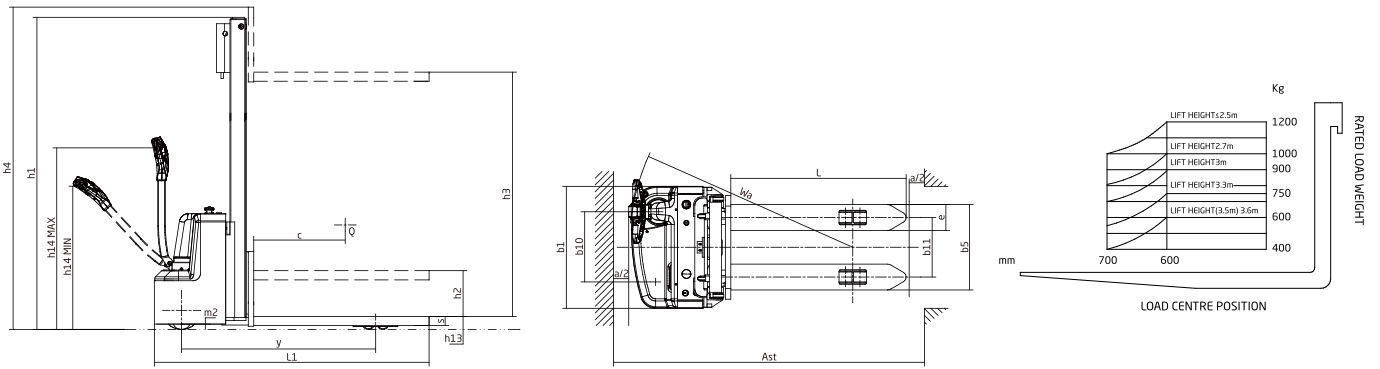
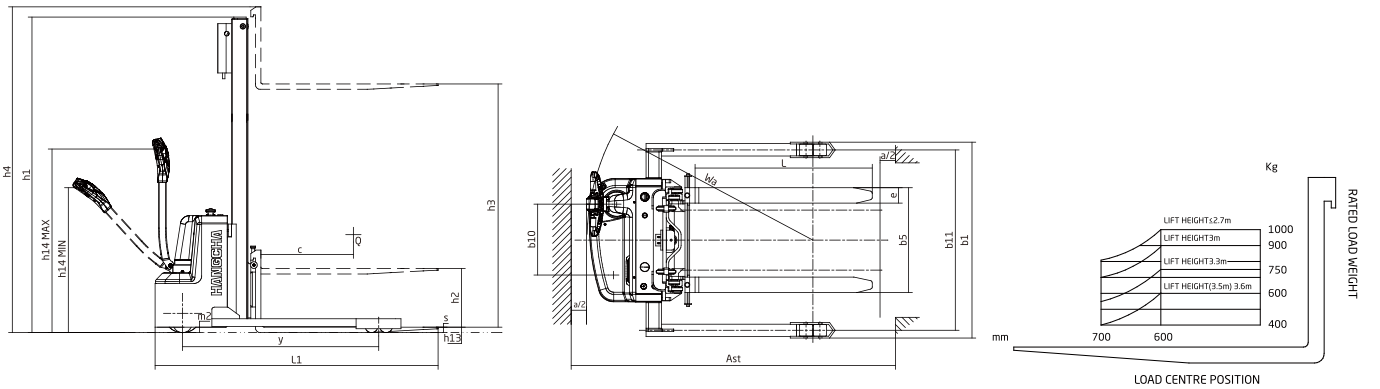
1.0/1.2t Mini Range Pallet Stacker Double Column Specification:

| Mast Type                   | Max Lifting Height<br>h <sub>3</sub> | Max. fork height<br>(h <sub>3</sub> +h <sub>13</sub> ) | Lowered Height<br>h <sub>1</sub> | Extended Height<br>h <sub>4</sub> | Free lift | Load Capacity at 600mm/23.6in |             |
|-----------------------------|--------------------------------------|--------------------------------------------------------|----------------------------------|-----------------------------------|-----------|-------------------------------|-------------|
|                             |                                      |                                                        |                                  |                                   |           | 1.0t/2205lb                   | 1.2t/2646lb |
|                             | mm/in                                | mm/in                                                  | mm/in                            | mm/in                             | mm/in     | Kg/lb                         | Kg/lb       |
| Single cylinder duplex mast | 2000/78.7                            | 2085/2050 (82.1/80.7)                                  | 1545/60.8                        | 2545/100.2                        | 0         | 1000/2205                     | 1200/2646   |
|                             | 2500/98.4                            | 2585/2550 (101.8/100.4)                                | 1795/70.7                        | 3045/119.9                        | 0         | 1000/2205                     | 1200/2646   |
|                             | 2700/106.3                           | 2785/2750 (109.6/108.3)                                | 1895/74.6                        | 3245/127.7                        | 0         | 1000/2205                     | 1200/2646   |
|                             | 3000/118.1                           | 3085/3050 (121.5/120.1)                                | 2045/80.5                        | 3545/139.6                        | 0         | 900/1984                      | 900/1984    |
|                             | 3300/129.9                           | 3385/3350 (133.3/131.9)                                | 2195/86.4                        | 3845/151.4                        | 0         | 750/1654                      | 750/1654    |
|                             | 3500/137.8                           | 3585/3550 (141.1/139.8)                                | 2295/90.4                        | 4045/159.3                        | 0         | 600/1323                      | 600/1323    |
|                             | 3600/141.7                           | 3685/3650 (145.1/143.7)                                | 2345/92.3                        | 4145/163.2                        | 0         | 600/1323                      | 600/1323    |

A Series Pallet Stacker Mini Range-Double Column

| Distinguishing mark | 1.1    | Manufacturer                                                    |                           | HANGCHA GROUP CO.,LTD.     |                                    |                            |                                    |
|---------------------|--------|-----------------------------------------------------------------|---------------------------|----------------------------|------------------------------------|----------------------------|------------------------------------|
|                     | 1.2    | Manufacturer's type designation                                 |                           | CDD10-AMC1-SZ              | CDD10-AMC1-B/SZ                    | CDD12-AMC1-SZ              | CDD12-AMC1-B/SZ                    |
|                     | 1.4    | Operator type: hand, pedestrian, standing, seated, order-picker |                           | Pedestrian                 | Pedestrian                         | Pedestrian                 | Pedestrian                         |
|                     | 1.5    | Rated capacity/rated load                                       | Q (kg/lb)                 | 1000/2205                  | 1000/2205                          | 1200/2646                  | 1200/2646                          |
|                     | 1.6    | Load centre distance                                            | c (mm/in)                 | 600/23.6                   | 600/23.6                           | 600/23.6                   | 600/23.6                           |
|                     | 1.9    | Wheelbase                                                       | y (mm/in)                 | 1273/50.1                  | 1273/50.1                          | 1273/50.1                  | 1273/50.1                          |
| Weight              | 2.1    | Service Weight(Including battery)                               | kg/lb                     | 744/1640                   | 744/1640                           | 744/1640                   | 744/1640                           |
|                     |        | Battery weight                                                  | kg/lb                     | 66/146                     | 66/146                             | 66/146                     | 66/146                             |
| Tyres, chassis      | 3.1    | Tyres: solid rubber, superelastic, pneumatic, polyurethane      |                           | PU                         | PU                                 | PU                         | PU                                 |
|                     | 3.2    | Tyre size, front                                                | mm/in                     | Φ250x80 / Φ9.8x3.1         | Φ250x80 / Φ9.8x3.1                 | Φ250x80 / Φ9.8x3.1         | Φ250x80 / Φ9.8x3.1                 |
|                     | 3.3    | Tyre size, rear                                                 | mm/in                     | Φ85x70 / Φ3.3x2.8          | Φ85x70 / Φ3.3x2.8                  | Φ85x70 / Φ3.3x2.8          | Φ85x70 / Φ3.3x2.8                  |
|                     | 3.4    | Additional wheel (dimensions)                                   | mm/in                     | Φ125x50 / Φ4.9x2           | Φ125x50 / Φ4.9x2                   | Φ125x50 / Φ4.9x2           | Φ125x50 / Φ4.9x2                   |
|                     | 3.5    | Wheels, number front / rear (x = driven wheels)                 |                           | 1x+1/4                     | 1x+1/4                             | 1x+1/4                     | 1x+1/4                             |
|                     | 3.6    | Tread, front                                                    | b <sub>10</sub> (mm/in)   | 520/20.5                   | 520/20.5                           | 520/20.5                   | 520/20.5                           |
|                     | 3.7    | Tread, rear                                                     | b <sub>11</sub> mm / (in) | 390 / (15.4)               | 1000/1170/1370<br>(39.4/46.1/53.9) | 390 / (15.4)               | 1000/1170/1370<br>(39.4/46.1/53.9) |
| Dimensions          | 4.4    | Lift                                                            | h <sub>3</sub> (mm/in)    | 3000/118.1                 | 3000/118.1                         | 3000/118.1                 | 3000/118.1                         |
|                     | 4.9    | Height drawbar in driving position min./max.                    | h <sub>14</sub> mm / (in) | 720/1220 (28.3/48)         | 720/1220 (28.3/48)                 | 720/1220 (28.3/48)         | 720/1220 (28.3/48)                 |
|                     | 4.15   | Fork height,lowered                                             | h <sub>13</sub> (mm/in)   | 85/3.3                     | 85/3.3                             | 85/3.3                     | 85/3.3                             |
|                     | 4.19   | Overall length(folded pedal)                                    | l <sub>1</sub> (mm/in)    | 1800/70.9                  | 1836/72.3                          | 1800/70.9                  | 1836/72.3                          |
|                     | 4.21   | Overall width                                                   | b <sub>1</sub> mm / (in)  | 800 / (31.5)               | 1100/1270/1470<br>(43.3/50/57.9)   | 800 / (31.5)               | 1100/1270/1470<br>(43.3/50/57.9)   |
|                     | 4.22   | Fork dimensions                                                 | s/e/l mm / (in)           | 60/170/1150 (2.4/6.7/45.3) | 35/100/1070 (1.4/6.7/42.1)         | 60/170/1150 (2.4/6.7/45.3) | 35/100/1070 (1.4/6.7/42.1)         |
|                     | 4.25   | Distance between fork-arms                                      | b <sub>5</sub> mm/in)     | 560/22                     | 210-790 (8.3~31.1)                 | 560/22                     | 210-790 (8.3~31.1)                 |
|                     | 4.32   | Ground clearance, centre of wheelbase                           | m <sub>2</sub> (mm/in)    | 35/1.4                     | 35/1.4                             | 35/1.4                     | 35/1.4                             |
|                     | 4.34.1 | Aisle width for pallets 1000 x 1200 crossways                   | A <sub>st</sub> (mm/in)   | 2016/79.4 <sup>1)</sup>    | 1901/74.8 <sup>3)</sup>            | 2016/79.4 <sup>1)</sup>    | 1901/74.8 <sup>3)</sup>            |
|                     | 4.34.2 | Aisle width for pallets 800 x 1200 lengthways                   | A <sub>st</sub> (mm/in)   | 2066/81.3 <sup>2)</sup>    | 2101/82.7 <sup>4)</sup>            | 2066/81.3 <sup>2)</sup>    | 2101 <sup>4)</sup>                 |
|                     | 4.35   | Turning radius                                                  | W <sub>a</sub> (mm/in)    | 1466/57.7                  | 1466/57.7                          | 1466/57.7                  | 1466/57.7                          |
| Performance data    | 5.1    | Travel speed,laden/unladen                                      | km/h (mph)                | 4.0/4.5 (2.5/2.8)          | 4.0/4.5 (2.5/2.8)                  | 4.0/4.5 (2.5/2.8)          | 4.0/4.5 (2.5/2.8)                  |
|                     | 5.2    | Lift speed,laden/unladen                                        | m/s (ft/min)              | 0.120/0.190 (23.62/37.40)  | 0.120/0.190 (23.62/37.40)          | 0.120/0.190 (23.62/37.40)  | 0.120/0.190 (23.62/37.40)          |
|                     | 5.3    | Lowering speed,laden/unladen                                    | m/s (ft/min)              | 0.140/0.150 (27.56/25.53)  | 0.140/0.150 (27.56/25.53)          | 0.140/0.150 (27.56/25.53)  | 0.140/0.150 (27.56/25.53)          |
|                     | 5.8    | Max Gradeability,laden/unladen                                  | %                         | 6/10                       | 6/10                               | 5/10                       | 5/10                               |
| Electric engine     | 6.1    | Drive motor rating S2 60 min                                    | kW/hp                     | 0.7/0.94                   | 0.7/0.94                           | 0.7/0.94                   | 0.7/0.94                           |
|                     | 6.2    | Lift motor rating at S3 15%                                     | kW/hp                     | 2.2/2.95                   | 2.2/2.95                           | 2.2/2.95                   | 2.2/2.95                           |
|                     | 6.4    | Battery voltage,rated capacity                                  | V/Ah                      | 2x12/106                   | 2x12/106                           | 2x12/106                   | 2x12/106                           |
|                     | 8.1    | Type of drive control                                           |                           | DC                         | DC                                 | DC                         | DC                                 |
|                     | 9.1    | Manufacturer                                                    |                           | Curtis                     | Curtis                             | Curtis                     | Curtis                             |

Note: 1). VDI 2198: +282/11.1mm/in 2). VDI 2198: +166/6.5mm/in 3). VDI 2198: +409/16.1mm/in 4). VDI 2198: +156/6.1mm/in







# A Series Pallet Stacker Truck Basic Range

with capacities of 1,200 to 1,600kg

## High Performance

- / AC travelling motor applied to provide excellent acceleration, good gradeability, low heat, no carbon brush and maintenance free.
- / The latest CURTIS AC control system provides accurate and stable control to work more efficient.
- / The applied CANBUS structure to offer more reliable and faster command access.
- / Regenerative brake and slope anti-slide function are offered by this truck.

## Comfort

- / The shock absorption design of foldable platform improves comfort greatly to the operator.
- / The new designed floating suspension system made steering operation more flexible and convenient.
- / Simple and beautiful tiller designed to operate all functions easily even by one hand.
- / Displayed turtle speed function applied to move slowly and helps to stack goods in narrow spaces.
- / Optimized designing structure to offer a good visibility and easy entrance of the pallet.
- / The compact body and big rounded design provide an ideal operation in limited space, and the wedge designed chassis greatly increases the passing ability.

## Reliability

- / Five-pivot with low centre of gravity design and high strength steel frame structure chassis provide larger residual load capability and longer working life.
- / Water-proof plugs and connectors applied to provide a reliable protection to electric system.
- / The adopted unique floating suspension system ensures good driving wheels' grip and excellent stability.
- / Top quality hydraulic power unit applied to provide low noise, low vibration, smooth lifting and landing reliable operation.
- / Punch-formed forks to provide more strength and tip guide to provide higher efficient operation.
- / H-type mast profile section to provide more stable and rigid performance.
- / The power plug is fixed on the truck body to avoid damage from battery installment.

## Safety

- / With three braking types: releasing brake, reversing brake and emergency brake, the driving safety has been ensured.
- / The applied slope anti-slip function ensures the safety of the operation.
- / The emergency button on the tiller head can effectively avoid the harm to the driver.
- / Soft landing system applied to protect loads from damaging effectively.

## Standard Specification

- / Horn
- / Pedal (only for Stand-on)
- / AC drive motor
- / PU drive wheel
- / Tandem wheels
- / 2.7m duplex mast
- / Soft landing system
- / CURTIS AC controller
- / 1150mm fork length
- / Hydraulic power unit
- / 570mm outside fork width
- / Emergency disconnect switch
- / Multi-function battery indicator
- / CAN-bus system multi-function tiller
- / Sensitive lowering

## Options

- / 240Ah battery
- / Load backrest
- / Side access battery
- / Mast protection
- / 680mm outside fork width
- / Different mast lifting heights (2m-4.5m)
- / Cold store protection (-30 °C)
- / Different length of forks (1220mm,1400mm ,1600mm)
- / Handrail
- / Overhead guard
- / Straddle leg



Straddle leg



Stand-on

A Series Pallet Stacker Truck Basic Range

|                     |        |                                                                 |                         |                                                    |                          |                                                    |                            |                                                    |                          |                                                    |                                |                                                    |                                |                                                    |                                |
|---------------------|--------|-----------------------------------------------------------------|-------------------------|----------------------------------------------------|--------------------------|----------------------------------------------------|----------------------------|----------------------------------------------------|--------------------------|----------------------------------------------------|--------------------------------|----------------------------------------------------|--------------------------------|----------------------------------------------------|--------------------------------|
| Distinguishing mark | 1.1    | Manufacturer                                                    |                         | HANGCHA GROUP CO.,LTD.                             |                          |                                                    |                            |                                                    |                          |                                                    |                                |                                                    |                                |                                                    |                                |
|                     | 1.2    | Manufacturer's type designation                                 |                         | CDD12-AEC1S                                        | CDD12-AEC1               | CDD14-AEC1S                                        | CDD14-AEC1                 | CDD16-AEC1S                                        | CDD16-AEC1               | CDD12-AEC1S-B                                      | CDD12-AEC1-B                   | CDD14-AEC1S-B                                      | CDD14-AEC1-B                   | CDD16-AEC1S-B                                      | CDD16-AEC1-B                   |
|                     | 1.4    | Operator type: hand, pedestrian, standing, seated, order-picker |                         | Standing                                           | Pedestrian               | Standing                                           | Pedestrian                 | Standing                                           | Pedestrian               | Standing                                           | Pedestrian                     | Standing                                           | Pedestrian                     | Standing                                           | Pedestrian                     |
|                     | 1.5    | Rated capacity/rated load                                       | Q (kg/lb)               | 1200/2646                                          | 1200/2646                | 1400/3086                                          | 1400/3086                  | 1600/3527                                          | 1600/3527                | 1200/2646                                          | 1200/2646                      | 1400/3086                                          | 1400/3086                      | 1600/3527                                          | 1600/3527                      |
|                     | 1.6    | Load centre distance                                            | c (mm/in)               | 600/23.6                                           | 600/23.6                 | 600/23.6                                           | 600/23.6                   | 600/23.6                                           | 600/23.6                 | 600/23.6                                           | 600/23.6                       | 600/23.6                                           | 600/23.6                       | 600/23.6                                           | 600/23.6                       |
| Weight              | 1.9    | Wheelbase                                                       | y (mm/in)               | 1378 <sup>1)</sup> /54.3                           | 1378 <sup>1)</sup> /54.3 | 1378 <sup>1)</sup> /54.3                           | 1378 <sup>1)</sup> /54.3   | 1378 <sup>1)</sup> /54.3                           | 1378 <sup>1)</sup> /54.3 | 1378 <sup>1)</sup> /54.3                           | 1378 <sup>1)</sup> /54.3       | 1378 <sup>1)</sup> /54.3                           | 1378 <sup>1)</sup> /54.3       | 1378 <sup>1)</sup> /54.3                           | 1378 <sup>1)</sup> /54.3       |
|                     | 2.1    | Service Weight                                                  | kg/lb                   | 1030/2271                                          | 990/2183                 | 1040/2293                                          | 1000/2205                  | 1060/2337                                          | 1020/2249                | 1120/2469                                          | 1080/2381                      | 1020/2249                                          | 1080/2381                      | 1140/2513                                          | 1100/2425                      |
| Tyres, chassis      | 3.1    | Tyres: solid rubber, superelastic, pneumatic, polyurethane      |                         | PU                                                 | PU                       | PU                                                 | PU                         | PU                                                 | PU                       | PU                                                 | PU                             | PU                                                 | PU                             | PU                                                 | PU                             |
|                     | 3.2    | Tyre size, front                                                | mm/in                   | φ250×80/9.8×3.1                                    | φ250×80/9.8×3.1          | φ250×80/9.8×3.1                                    | φ250×80/9.8×3.1            | φ250×80/9.8×3.1                                    | φ250×80/9.8×3.1          | φ250×80/9.8×3.1                                    | φ250×80/9.8×3.1                | φ250×80/9.8×3.1                                    | φ250×80/9.8×3.1                | φ250×80/9.8×3.1                                    | φ250×80/9.8×3.1                |
|                     | 3.3    | Tyre size, rear                                                 | mm/in                   | φ85×70/3.3x2.8                                     | φ85×70/3.3x2.8           | φ85×70/3.3x2.8                                     | φ85×70/3.3x2.8             | φ85×70/3.3x2.8                                     | φ85×70/3.3x2.8           | φ85×70/3.3x2.8                                     | φ85×70/3.3x2.8                 | φ85×70/3.3x2.8                                     | φ85×70/3.3x2.8                 | φ85×70/3.3x2.8                                     | φ85×70/3.3x2.8                 |
|                     | 3.4    | Additional wheel (dimensions)                                   | mm/in                   | φ125×50/4.9×2                                      | φ125×50/4.9×2            | φ125×50/4.9×2                                      | φ125×50/4.9×2              | φ125×50/4.9×2                                      | φ125×50/4.9×2            | φ125×50/4.9×2                                      | φ125×50/4.9×2                  | φ125×50/4.9×2                                      | φ125×50/4.9×2                  | φ125×50/4.9×2                                      | φ125×50/4.9×2                  |
|                     | 3.5    | Wheels, number front / rear (x = driven wheels)                 |                         | 1x+2/4                                             | 1x+2/4                   | 1x+2/4                                             | 1x+2/4                     | 1x+2/4                                             | 1x+2/4                   | 1x+2/4                                             | 1x+2/4                         | 1x+2/4                                             | 1x+2/4                         | 1x+2/4                                             | 1x+2/4                         |
|                     | 3.6    | Tread, front                                                    | b <sub>10</sub> (mm/in) | 620/24.4                                           | 620/24.4                 | 620/24.4                                           | 620/24.4                   | 620/24.4                                           | 620/24.4                 | 620/24.4                                           | 620/24.4                       | 620/24.4                                           | 620/24.4                       | 620/24.4                                           | 620/24.4                       |
|                     | 3.7    | Tread, rear                                                     | b <sub>11</sub> (mm/in) | 385/15.2                                           | 385/15.2                 | 385/15.2                                           | 385/15.2                   | 385/15.2                                           | 385/15.2                 | 1000/1170/1370(39.4/46.1/53.9)                     | 1000/1170/1370(39.4/46.1/53.9) | 1000/1170/1370(39.4/46.1/53.9)                     | 1000/1170/1370(39.4/46.1/53.9) | 1000/1170/1370(39.4/46.1/53.9)                     | 1000/1170/1370(39.4/46.1/53.9) |
| Dimensions          | 4.4    | Lift                                                            | h <sub>3</sub> (mm/in)  | 2700/106.3                                         | 2700/106.3               | 2700/106.3                                         | 2700/106.3                 | 2700/106.3                                         | 2700/106.3               | 2700/106.3                                         | 2700/106.3                     | 2700/106.3                                         | 2700/106.3                     | 2700/106.3                                         | 2700/106.3                     |
|                     | 4.15   | Fork height,lowered                                             | h <sub>11</sub> (mm/in) | 90/3.5                                             | 90/3.5                   | 90/3.5                                             | 90/3.5                     | 90/3.5                                             | 90/3.5                   | 50/2                                               | 50/2                           | 50/2                                               | 50/2                           | 50/2                                               | 50                             |
|                     | 4.19   | Overall length                                                  | l <sub>1</sub> (mm/in)  | 2063 <sup>2)</sup> (2495 <sup>2)</sup> /81.2(96.8) | 2013 <sup>2)</sup> /79.3 | 2063 <sup>2)</sup> (2495 <sup>2)</sup> /81.2(96.8) | 2013 <sup>2)</sup> /79.3   | 2063 <sup>2)</sup> (2495 <sup>2)</sup> /81.2(96.8) | 2013 <sup>2)</sup> /79.3 | 2013 <sup>2)</sup> (2445 <sup>2)</sup> /79.3(96.3) | 1963 <sup>2)</sup> /77.3       | 2013 <sup>2)</sup> (2445 <sup>2)</sup> /79.3(96.3) | 1963 <sup>2)</sup> /77.3       | 2013 <sup>2)</sup> (2445 <sup>2)</sup> /79.3(96.3) | 1963 <sup>2)</sup> /77.3       |
|                     | 4.21   | Overall width                                                   | b <sub>1</sub> (mm/in)  | 860/33.9                                           | 860/33.9                 | 860/33.9                                           | 860/33.9                   | 860/33.9                                           | 860/33.9                 | 1100/1270/1470(43.3/50/57.9)                       | 1100/1270/1470(43.3/50/57.9)   | 1100/1270/1470(43.3/50/57.9)                       | 1100/1270/1470(43.3/50/57.9)   | 1100/1270/1470(43.3/50/57.9)                       | 1100/1270/1470(43.3/50/57.9)   |
|                     | 4.22   | Fork dimensions ISO 2331                                        | s/e/l (mm/in)           | 60x185x1150/2.4x7.3x45.3                           | 60x185x1150/2.4x7.3x45.3 | 60x185x1150/2.4x7.3x45.3                           | 60x185x1150/2.4x7.3x45.3   | 60x185x1150/2.4x7.3x45.3                           | 60x185x1150/2.4x7.3x45.3 | 35x100x1070/1.4x3.9x42.1                           | 35x100x1070/1.4x3.9x42.1       | 35x100x1070/1.4x3.9x42.1                           | 35x100x1070/1.4x3.9x42.1       | 35x100x1070/1.4x3.9x42.1                           | 35x100x1070/1.4x3.9x42.1       |
|                     | 4.25   | Distance between fork-arms                                      | b <sub>5</sub> (mm/in)  | 570/680(22.4/26.8)                                 | 570/680(22.4/26.8)       | 570/680(22.4/26.8)                                 | 570/680(22.4/26.8)         | 570/680(22.4/26.8)                                 | 570/680(22.4/26.8)       | 210-790/8.3-31.1                                   | 210-790/8.3-31.1               | 210-790/8.3-31.1                                   | 210-790/8.3-31.1               | 210-790/8.3-31.1                                   | 210-790/8.3-31.1               |
|                     | 4.32   | Ground clearance, centre of wheelbase                           | m <sub>2</sub> (mm/in)  | 30/1.2                                             | 30/1.2                   | 30/1.2                                             | 30/1.2                     | 30/1.2                                             | 30/1.2                   | 40/1.6                                             | 40/1.6                         | 40/1.6                                             | 40/1.6                         | 40/1.6                                             | 40/1.6                         |
|                     | 4.34.1 | Aisle width for pallets 1000 x 1200 crossways                   | A <sub>st</sub> (mm/in) | 2280 <sup>2)</sup> /89.8                           | 2220 <sup>2)</sup> /87.4 | 2280 <sup>2)</sup> /89.8                           | 2220 <sup>2)</sup> /87.4   | 2280 <sup>2)</sup> /89.8                           | 2220 <sup>2)</sup> /87.4 | 2310 <sup>2)</sup> /90.9                           | 2250 <sup>2)</sup> /88.6       | 2310 <sup>2)</sup> /90.9                           | 2250 <sup>2)</sup> /88.6       | 2310 <sup>2)</sup> /90.9                           | 2250 <sup>2)</sup> /88.6       |
|                     | 4.34.2 | Aisle width for pallets 800 x 1200 lengthways                   | A <sub>st</sub> (mm/in) | 2330 <sup>2)</sup> /91.7                           | 2270 <sup>2)</sup> /89.4 | 2330 <sup>2)</sup> /91.7                           | 2270 <sup>2)</sup> /89.4   | 2330 <sup>2)</sup> /91.7                           | 2270 <sup>2)</sup> /89.4 | 2360 <sup>2)</sup> /92.9                           | 2300 <sup>2)</sup> /90.6       | 2360 <sup>2)</sup> /92.9                           | 2300 <sup>2)</sup> /90.6       | 2360 <sup>2)</sup> /92.9                           | 2300 <sup>2)</sup> /90.6       |
|                     | 4.35   | Turning radius                                                  | W <sub>a</sub> (mm)     | 1630 <sup>1)</sup> /64.2                           | 1570 <sup>1)</sup> /61.8 | 1630 <sup>1)</sup> /64.2                           | 1570 <sup>1)</sup> /61.8   | 1630 <sup>1)</sup> /64.2                           | 1570 <sup>1)</sup> /61.8 | 1630 <sup>1)</sup> /64.2                           | 1570 <sup>1)</sup> /61.8       | 1630 <sup>1)</sup> /64.2                           | 1570 <sup>1)</sup> /61.8       | 1630 <sup>1)</sup> /64.2                           | 1570 <sup>1)</sup> /61.8       |
| Performance data    | 5.1    | Travel speed,laden/unladen                                      | km/h(mph)               | 5/5(3.1/3.1)                                       | 5/5(3.1/3.1)             | 5/5(3.1/3.1)                                       | 5/5(3.1/3.1)               | 5/5(3.1/3.1)                                       | 5/5(3.1/3.1)             | 5/5(3.1/3.1)                                       | 5/5(3.1/3.1)                   | 5/5(3.1/3.1)                                       | 5/5(3.1/3.1)                   | 5/5(3.1/3.1)                                       | 5/5(3.1/3.1)                   |
|                     | 5.2    | Lift speed,laden/unladen                                        | m/s(ft/min)             | 0.100/0.160(19.7/31.5)                             | 0.100/0.160(19.7/31.5)   | 0.100/0.160(19.7/31.5)                             | 0.100/0.160(19.7/31.5)     | 0.120/0.180(23.6/35.4)                             | 0.120/0.180(23.6/35.4)   | 0.100/0.160(19.7/31.5)                             | 0.100/0.160(19.7/31.5)         | 0.100/0.160(19.7/31.5)                             | 0.100/0.160(19.7/31.5)         | 0.120/0.180(23.6/35.4)                             | 0.120/0.180(23.6/35.4)         |
|                     | 5.3    | Lowering speed,laden/unladen                                    | m/s(ft/min)             | 0.130/0.140(25.6/27.5)                             | 0.130/0.140(25.6/27.5)   | 0.130/0.140(25.6/27.5)                             | 0.130/0.140(25.6/27.5)     | 0.140/0.150(27.5/29.5)                             | 0.140/0.150(27.5/29.5)   | 0.130/0.140(25.6/27.5)                             | 0.130/0.140(25.6/27.5)         | 0.130/0.140(25.6/27.5)                             | 0.130/0.140(25.6/27.5)         | 0.140/0.150(27.5/29.5)                             | 0.140/0.150(27.5/29.5)         |
|                     | 5.8    | Max Gradeability,laden/unladen                                  | %                       | 6/10                                               | 6/10                     | 6/10                                               | 6/10                       | 6/10                                               | 6/10                     | 6/10                                               | 6/10                           | 6/10                                               | 6/10                           | 6/10                                               | 6/10                           |
|                     | 5.10   | Service brake                                                   |                         | Eletromagnetic                                     | Eletromagnetic           | Eletromagnetic                                     | Eletromagnetic             | Eletromagnetic                                     | Eletromagnetic           | Eletromagnetic                                     | Eletromagnetic                 | Eletromagnetic                                     | Eletromagnetic                 | Eletromagnetic                                     | Eletromagnetic                 |
| Electric engine     | 6.1    | Drive motor rating S2 60 min                                    | kW/hp                   | 1.1/1.5                                            | 1.1/1.5                  | 1.1/1.5                                            | 1.1/1.5                    | 1.1/1.5                                            | 1.1/1.5                  | 1.1/1.5                                            | 1.1/1.5                        | 1.1/1.5                                            | 1.1/1.5                        | 1.1/1.5                                            | 1.1/1.5                        |
|                     | 6.2    | Lift motor rating at S3 15%                                     | kW/hp                   | 2.2/3.0                                            | 2.2/3.0                  | 2.2(3 <sup>1)</sup> )/3(4)                         | 2.2(3 <sup>1)</sup> )/3(4) | 3/4                                                | 3/4                      | 2.2/3.0                                            | 2.2/3.0                        | 2.2(3 <sup>1)</sup> )/3(4)                         | 2.2(3 <sup>1)</sup> )/3(4)     | 3/4                                                | 3/4                            |
|                     | 6.4    | Battery voltage,rated capacity                                  | V/Ah                    | 24/210                                             | 24/210                   | 24/210                                             | 24/210                     | 24/240                                             | 24/240                   | 24/210                                             | 24/210                         | 24/210                                             | 24/210                         | 24/240                                             | 24/240                         |
|                     | 8.1    | Type of drive control                                           |                         | AC                                                 | AC                       | AC                                                 | AC                         | AC                                                 | AC                       | AC                                                 | AC                             | AC                                                 | AC                             | AC                                                 | AC                             |
|                     | 9.1    | Manufacturer                                                    |                         | CURTIS                                             | CURTIS                   | CURTIS                                             | CURTIS                     | CURTIS                                             | CURTIS                   | CURTIS                                             | CURTIS                         | CURTIS                                             | CURTIS                         | CURTIS                                             | CURTIS                         |

Note: 1)Mast with double lifting cylinders(including Triplex mast)+47mm(+1.9in) 2)Duplex mast with double lifting cylinders+47mm and Triplex mast+68mm(+2.7in)

B: Straddle leg

1.2-1.6t Basic Range Pallet Stacker Truck Specification:

| Mast Type                         | Max Lifting Height<br>h <sub>3</sub> | Max. fork height<br>(h <sub>3</sub> +h <sub>13</sub> ) | Lowered Height<br>h <sub>1</sub> | Extended Height<br>h <sub>4</sub> | Free lift | Load Capacity at 600mm/23.6in |             |             |
|-----------------------------------|--------------------------------------|--------------------------------------------------------|----------------------------------|-----------------------------------|-----------|-------------------------------|-------------|-------------|
|                                   |                                      |                                                        |                                  |                                   |           | 1.2t/2646lb                   | 1.4t/3086lb | 1.6t/3527lb |
|                                   | mm/in                                | mm/in                                                  | mm/in                            | mm/in                             | mm/in     | kg/lb                         | kg/lb       | kg/lb       |
| Single cylinder duplex mast       | 2000/78.7                            | 2090/82.3                                              | 1553/61.1                        | 2553/100.5                        | 90/3.5    | 1200/2646                     | 1400/3086   | 1600/3527   |
|                                   | 2500/98.4                            | 2590/102.0                                             | 1803/71.0                        | 3053/120.2                        | 90/3.5    | 1200/2646                     | 1400/3086   | 1600/3527   |
|                                   | 2700/106.3                           | 2790/109.8                                             | 1902/74.5                        | 3253/128.1                        | 90/3.5    | 1200/2646                     | 1400/3086   | 1450/3197   |
|                                   | 3000/118.1                           | 3090/121.7                                             | 2053/80.8                        | 3553/140.0                        | 90/3.5    | 1200/2646                     | 1250/2756   | 1300/2866   |
|                                   | 3300/129.9                           | 3390/133.5                                             | 2203/86.7                        | 3853151.2                         | 90/3.5    | 1100/2425                     | 1100/2425   | 1150/2535   |
|                                   | 3500/137.8                           | 3590/141.3                                             | 2388/94.0                        | 4138/162.9                        | 90/3.5    | 950/2094                      | 950/2094    | 1000/2205   |
|                                   | 3600/141.7                           | 3690/145.3                                             | 2438/96.0                        | 4238/166.9                        | 90/3.5    | 950/2094                      | 950/2094    | 1000/2205   |
| Double cylinders Duplex wide view | 2000/78.7                            | 2090/82.3                                              | 1542/60.7                        | 2542/100.1                        | 90/3.5    | 1200/2646                     | 1400/3086   | 1600/3527   |
|                                   | 2500/98.4                            | 2590/102.0                                             | 1792/70.6                        | 3042/119.8                        | 90/3.5    | 1200/2646                     | 1400/3086   | 1600/3527   |
|                                   | 2700/106.3                           | 2790/109.8                                             | 1892/74.5                        | 3242/127.6                        | 90/3.5    | 1200/2646                     | 1400/3086   | 1600/3527   |
|                                   | 3000/118.1                           | 3090/121.7                                             | 2042/80.4                        | 3542/139.4                        | 90/3.5    | 1200/2646                     | 1400/3086   | 1600/3527   |
|                                   | 3300/129.9                           | 3390/133.5                                             | 2192/86.3                        | 3842/151.3                        | 90/3.5    | 1200/2646                     | 1200/2646   | 1300/2866   |
|                                   | 3500/137.8                           | 3590/141.3                                             | 229290.2                         | 4042/159.1                        | 90/3.5    | 1070/2359                     | 1070/2359   | 1130/2491   |
|                                   | 3600/141.7                           | 3690/145.3                                             | 2342/92.2                        | 4142/163.1                        | 90/3.5    | 1000/2205                     | 1000/2205   | 1050/2315   |
| Duplex full-free wide view        | 3800/149.6                           | 3890/153.1                                             | 2442/96.1                        | 4342/170.9                        | 90/3.5    | 920/2028                      | 920/2028    | 970/2139    |
|                                   | 4000/157.5                           | 4090/161.0                                             | 2642/104.0                       | 4642/182.8                        | 90/3.5    | 850/1874                      | 850/1874    | 900/1984    |
|                                   | 4300/169.3                           | 4390/172.8                                             | 2792/109.9                       | 4942/194.6                        | 90/3.5    | 770/1698                      | 770/1698    | 810/1786    |
|                                   | 4500/177.2                           | 4590/180.7                                             | 2892/113.9                       | 5142/202.4                        | 90/3.5    | 680/14998                     | 680/14998   | 710/1565    |
|                                   | 2000/78.7                            | 2090/82.3                                              | 1595/62.8                        | 2595/102.2                        | 1090/42.9 | 1200/2646                     | 1400/3086   | 1600/3527   |
|                                   | 2500/98.4                            | 2590/102.0                                             | 1845/72.6                        | 3095/121.9                        | 1340/52.8 | 1200/2646                     | 1400/3086   | 1600/3527   |
|                                   | 2700/106.3                           | 2790/109.8                                             | 1945/76.6                        | 3295/129.7                        | 1440/56.7 | 1200/2646                     | 1400/3086   | 1600/3527   |
| Triplex full-free wide view       | 3000/118.1                           | 3090/121.7                                             | 2095/82.5                        | 3595/141.5                        | 1590/62.6 | 1200/2646                     | 1400/3086   | 1600/3527   |
|                                   | 3300/129.9                           | 3390/133.5                                             | 2245/88.4                        | 3895/153.3                        | 1740/68.5 | 1200/2646                     | 1200/2646   | 1300/2866   |
|                                   | 3500/137.8                           | 3590/141.3                                             | 2345/92.3                        | 4095/161.2                        | 1840/72.4 | 1070/2359                     | 1070/2359   | 1130/2491   |
|                                   | 3600/141.7                           | 3690/145.3                                             | 2395/94.3                        | 4195/165.2                        | 1890/74.4 | 1000/2205                     | 1000/2205   | 1050/2315   |
|                                   | 3500/137.8                           | 3590/141.3                                             | 1844/72.6                        | 4214/165.9                        | 1220/48.0 | 1070/2359                     | 1070/2359   | 1130/2491   |
|                                   | 3600/141.7                           | 3690/145.3                                             | 1909/75.2                        | 4409/173.6                        | 1290/50.8 | 960/2116                      | 960/2116    | 1010/2227   |
|                                   | 3800/149.6                           | 3890/153.1                                             | 2009/79.1                        | 4709/185.4                        | 1390/54.7 | 850/1874                      | 850/1874    | 900/1984    |
|                                   | 4000/157.5                           | 4090/161.0                                             | 2109/83.0                        | 5009/197.2                        | 1490/58.7 | 770/1698                      | 770/1698    | 810/1786    |
|                                   | 4300/169.3                           | 4390/172.8                                             | 2159/85.0                        | 5159/203.1                        | 1590/62.6 | 680/1499                      | 680/1499    | 710/1565    |
|                                   | 4500/177.2                           | 4590/180.7                                             | 2259/88.9                        | 5459/214.9                        | 1590/62.6 | 600/1323                      | 600/1323    | 630/1389    |

Note:The mast which h3>4500mm(177.2in)(include 4





# A Series Pallet Stacker Truck Hi Range

with capacities of 1,200 to 2,000kg

## High Performance

- / AC travelling motor applied to provide excellent acceleration, good gradeability, low heat, no carbon brush and maintenance free.
- / The latest CURTIS AC control system provides accurate and stable control to work more efficient.
- / The applied CANBUS structure to offer more reliable and faster command access.
- / Regenerative brake and slope anti-slide function are offered by this truck.
- / Stand-on type with high power drive motor, provides fast travel speed and good gradeability.

## Reliability

- / Four-pivot with low centre of gravity design and high strength steel frame structure chassis provide larger residual load capacity and longer working life.
- / Water-proof plugs and connectors applied to provide a reliable protection to electric system.
- / The adopted unique floating suspension system ensures good driving wheels grip and excellent.
- / Top quality hydraulic power unit applied to provide low noise, low vibration, smooth lifting and landing reliable operation.
- / Punch-formed forks to provide more strength and tip guide to provide higher efficient operation.
- / H-type mast profile section to provide more stable and rigid performance.
- / The power plug is fixed on the truck body to avoid damage from battery installment.
- / Pedestrian type use the new design drive system, the drive motor will not accompany the tiller rotation, it can keep all the cable connect to the drive motor avoid being bent.
- / Using non-contact proximity switch, it can provides long life and reliable operation.

## Comfort

- / The shock absorption design of foldable platform improves comfort greatly to the operator.
- / The new designed floating suspension driving system, adjustable automatically with loads, offers the driving wheels sufficient power.
- / Simple and beautiful tiller designed to operate all functions easily even by one hand.
- / Displayed turtle speed function applied to move slowly and helps to stack goods in narrow spaces.
- / Optimized designing structure to offer a good visibility and easy entrance of the pallet.
- / The compact body and big rounded design provide an ideal operation in limited space, and the wedge designed chassis greatly increases the passing ability.
- / Customer can choose different width of outside fork and length of forks to fit variable pallet.

## Safety

- / With three braking types: releasing brake, reversing brake and emergency brake, the driving safety has been ensured.
- / The applied slope anti-slip function ensures the safety of the operation.
- / The emergency button on the tiller head can effectively avoid the harm to the driver.
- / Soft landing system applied to offer protection to the loads from damaging.
- / Turning speed is automatically reduced when steering only for stand-on.
- / Turtle speed function can keep the slow move when the tiller is vertical direction, the truck can stack goods even in narrow space.
- / Travel speed will be automatically reduced after fork lifting 500mm.

## Maintenance

- / AC motor with no cabin brush, don't need maintenance, lower cost.
- / Rear cover can be completely open, operator can see all the components, so the maintenance is very convenient.
- / All shafts installed lubricated shaft sleeve and oil cup, provide convenient maintenance and long service life.

## Standard Specification

- / Horn
- / AC drive motor
- / Battery
- / PU drive wheel
- / Tandem wheels
- / Fork lift & lower adopts stepless speed regulating
- / Pedal and handrail
- / Soft landing system
- / 1150mm fork length
- / CURTIS AC controller
- / Hydraulic power unit
- / 570mm outside fork width
- / Emergency disconnect switch
- / Multi-function battery indicator
- / CAN-bus system multi-function tiller
- / Electric steering (stand on pallet stacker)

## Options

- / Load backrest
- / Mast protection
- / 240Ah, 340Ah battery
- / Different width of outside fork
- / Different mast lifting heights
- / Cold store protection (-30 C)
- / Side way battery change
- / Different length of forks
- / Overhead guard

A Series Pallet Stacker Truck Hi Range

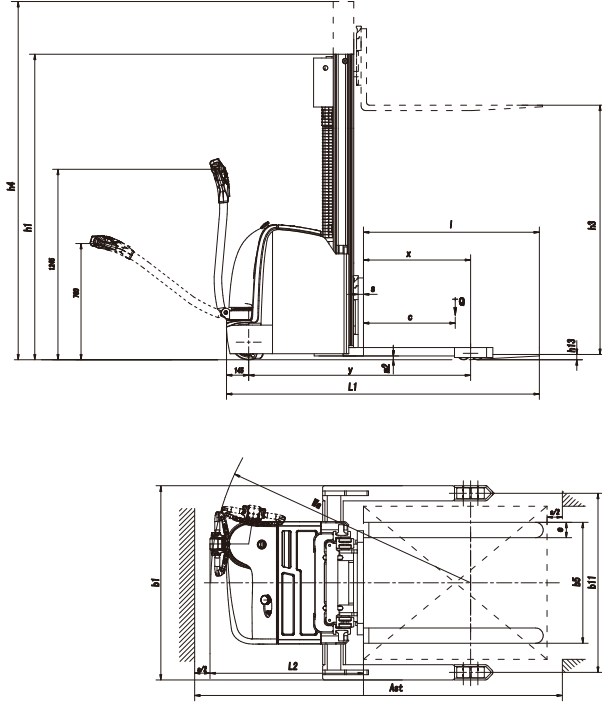
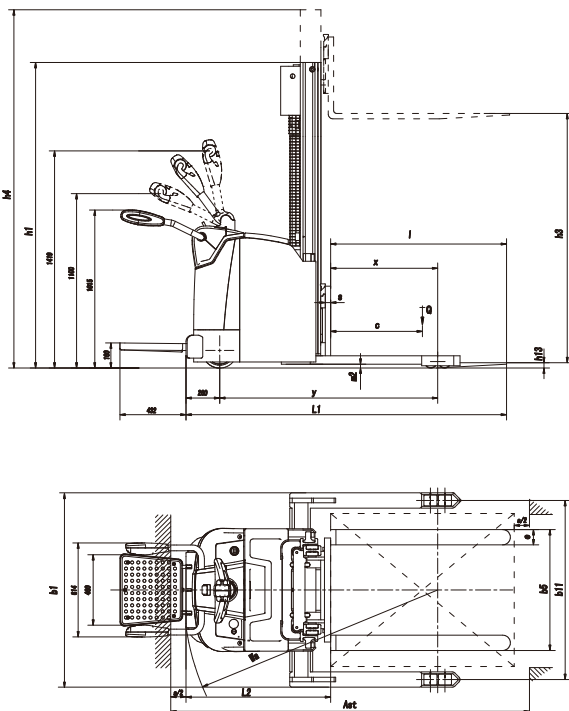
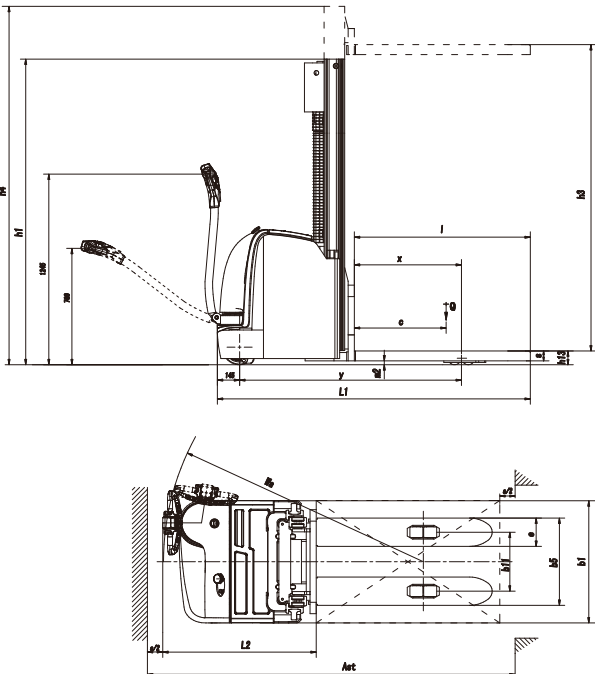
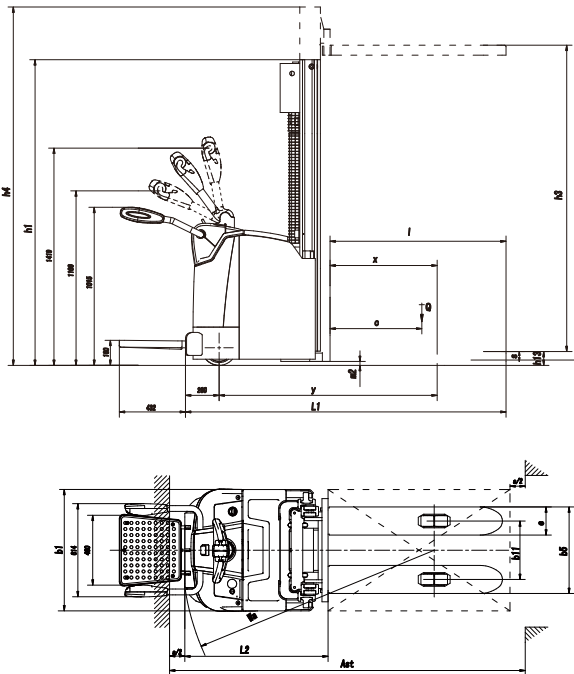
| Distinguishing mark | 1.1    | Manufacturer                                                    |                         | HANGCHA GROUP CO.,LTD.        |                               |                               |                               |                               |                               |                               |                               |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |
|---------------------|--------|-----------------------------------------------------------------|-------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
|                     | 1.2    | Manufacturer's type designation                                 |                         | CDD12-AC1S                    | CDD12-AC1                     | CDD14-AC1S                    | CDD14-AC1                     | CDD16-AC1S                    | CDD16-AC1                     | CDD20-AC1S                    | CDD20-AC1                     | CDD12-AC1S-B                      | CDD12-AC1-B                       | CDD14-AC1S-B                      | CDD14-AC1-B                       | CDD16-AC1S-B                      | CDD16-AC1-B                       | CDD20-AC1S-B                      | CDD20-AC1-B                       |
|                     | 1.4    | Operator type: hand, pedestrian, standing, seated, order-picker |                         | Standing                      | Pedestrian                    | Standing                      | Pedestrian                    | Standing                      | Pedestrian                    | Standing                      | Pedestrian                    | Standing                          | Pedestrian                        | Standing                          | Pedestrian                        | Standing                          | Pedestrian                        | Standing                          | Pedestrian                        |
|                     | 1.5    | Rated capacity/rated load                                       | Q (kg)/lb               | 1200/2646                     | 1200/2646                     | 1400/3086                     | 1400/3086                     | 1600/3527                     | 1600/3527                     | 2000/4409                     | 2000/4409                     | 1200/2646                         | 1200/2646                         | 1400/3086                         | 1400/3086                         | 1600/3527                         | 1600/3527                         | 2000/4409                         | 2000/4409                         |
|                     | 1.6    | Load centre distance                                            | c (mm)/in               | 600/23.6                      | 600/23.6                      | 600/23.6                      | 600/23.6                      | 600/23.6                      | 600/23.6                      | 600/23.6                      | 600/23.6                      | 600/23.6                          | 600/23.6                          | 600/23.6                          | 600/23.6                          | 600/23.6                          | 600/23.6                          | 600/23.6                          | 600/23.6                          |
|                     | 1.9    | Wheelbase                                                       | y (mm)/in               | 1425/56.1                     | 1425/56.1                     | 1425/56.1                     | 1425/56.1                     | 1425/56.1                     | 1425/56.1                     | 1425/56.1                     | 1425/56.1                     | 1425/56.1                         | 1425/56.1                         | 1425/56.1                         | 1425/56.1                         | 1425/56.1                         | 1425/56.1                         | 1425/56.1                         | 1425/56.1                         |
| Weight              | 2.1    | Service Weight                                                  | kg/lb                   | 1310/2888                     | 1177/2595                     | 1315/2899                     | 1182/2605                     | 1362/3003                     | 1215/2679                     | 1405/3097                     | 1258/2773                     | 1380/3042                         | 1247/2749                         | 1385/3053                         | 1252/2760                         | 1432/3157                         | 1285/2832                         | 1475/3252                         | 1328/2927                         |
| Tyres, chassis      | 3.1    | Tyres: solid rubber, superelastic, pneumatic, polyurethane      |                         | PU                            | PU                            | PU                            | PU                            | PU                            | PU                            | PU                            | PU                            | PU                                | PU                                | PU                                | PU                                | PU                                | PU                                | PU                                | PU                                |
|                     | 3.2    | Tyre size, front                                                | mm/in                   | ø230x75 / ø9.1x3.0            | ø230x75 / ø9.1x3.0            | ø230x75 / ø9.1x3.0            | ø230x75 / ø9.1x3.0            | ø230x75 / ø9.1x3.0            | ø230x75 / ø9.1x3.0            | ø230x75 / ø9.1x3.0            | ø230x75 / ø9.1x3.0            | ø230x75 / ø9.1x3.0                | ø230x75 / ø9.1x3.0                | ø230x75 / ø9.1x3.0                | ø230x75 / ø9.1x3.0                | ø230x75 / ø9.1x3.0                | ø230x75 / ø9.1x3.0                | ø230x75 / ø9.1x3.0                | ø230x75 / ø9.1x3.0                |
|                     | 3.3    | Tyre size, rear                                                 | mm/in                   | ø85x70 / ø3.3x2.8             | ø85x70 / ø3.3x2.8             | ø85x70 / ø3.3x2.8             | ø85x70 / ø3.3x2.8             | ø85x70 / ø3.3x2.8             | ø85x70 / ø3.3x2.8             | ø85x70 / ø3.3x2.8             | ø85x70 / ø3.3x2.8             | ø85x70 / ø3.3x2.8                 | ø85x70 / ø3.3x2.8                 | ø85x70 / ø3.3x2.8                 | ø85x70 / ø3.3x2.8                 | ø85x70 / ø3.3x2.8                 | ø85x70 / ø3.3x2.8                 | ø85x70 / ø3.3x2.8                 | ø85x70 / ø3.3x2.8                 |
|                     | 3.4    | Additional wheel (dimensions)                                   | mm/in                   | ø140x55 / ø5.5x2.2            | ø140x55 / ø5.5x2.2            | ø140x55 / ø5.5x2.2            | ø140x55 / ø5.5x2.2            | ø140x55 / ø5.5x2.2            | ø140x55 / ø5.5x2.2            | ø140x55 / ø5.5x2.2            | ø140x55 / ø5.5x2.2            | ø140x55 / ø5.5x2.2                | ø140x55 / ø5.5x2.2                | ø140x55 / ø5.5x2.2                | ø140x55 / ø5.5x2.2                | ø140x55 / ø5.5x2.2                | ø140x55 / ø5.5x2.2                | ø140x55 / ø5.5x2.2                | ø140x55 / ø5.5x2.2                |
|                     | 3.5    | Wheels, number front / rear (x = driven wheels)                 |                         | 1x*1/4                        | 1x*1/4                        | 1x*1/4                        | 1x*1/4                        | 1x*1/4                        | 1x*1/4                        | 1x*1/4                        | 1x*1/4                        | 1x*1/4                            | 1x*1/4                            | 1x*1/4                            | 1x*1/4                            | 1x*1/4                            | 1x*1/4                            | 1x*1/4                            | 1x*1/4                            |
|                     | 3.6    | Tread, front                                                    | b <sub>10</sub> (mm/in) | 525/20.7                      | 525/20.7                      | 525/20.7                      | 525/20.7                      | 525/20.7                      | 525/20.7                      | 525/20.7                      | 525/20.7                      | 525/20.7                          | 525/20.7                          | 525/20.7                          | 525/20.7                          | 525/20.7                          | 525/20.7                          | 525/20.7                          | 525/20.7                          |
|                     | 3.7    | Tread, rear                                                     | b <sub>11</sub> (mm/in) | 385/15.2                      | 385/15.2                      | 385/15.2                      | 385/15.2                      | 385/15.2                      | 385/15.2                      | 385/15.2                      | 385/15.2                      | 1000/1170/1370<br>(39.446.1/53.9) | 1000/1170/1370<br>(39.446.1/53.9) | 1000/1170/1370<br>(39.446.1/53.9) | 1000/1170/1370<br>(39.446.1/53.9) | 1000/1170/1370<br>(39.446.1/53.9) | 1000/1170/1370<br>(39.446.1/53.9) | 1000/1170/1370<br>(39.446.1/53.9) | 1000/1170/1370<br>(39.446.1/53.9) |
| Dimensions          | 4.4    | Lift                                                            | h <sub>2</sub> (mm/in)  | 2700/106.3                    | 2700/106.3                    | 2700/106.3                    | 2700/106.3                    | 2700/106.3                    | 2700/106.3                    | 2700/106.3                    | 2700/106.3                    | 2700/106.3                        | 2700/106.3                        | 2700/106.3                        | 2700/106.3                        | 2700/106.3                        | 2700/106.3                        | 2700/106.3                        | 2700/106.3                        |
|                     | 4.15   | Fork height,lowered                                             | h <sub>13</sub> (mm)    | 90/3.5                        | 90/3.5                        | 90/3.5                        | 90/3.5                        | 90/3.5                        | 90/3.5                        | 90/3.5                        | 90/3.5                        | 50/2.0                            | 50/2.0                            | 50/2.0                            | 50/2.0                            | 50/2.0                            | 50/2.0                            | 50/2.0                            | 50/2.0                            |
|                     | 4.19   | Overall length                                                  | l <sub>1</sub> (mm/in)  | 2095/82.5 <sup>1)</sup>       | 2050/80.7 <sup>1)</sup>       | 2095/82.5 <sup>1)</sup>       | 2050/80.7 <sup>1)</sup>       | 2095/82.5 <sup>1)</sup>       | 2050/80.7 <sup>1)</sup>       | 2095/82.5 <sup>1)</sup>       | 2050/80.7 <sup>1)</sup>       | 2050/80.7 <sup>1)</sup>           | 2005/78.9 <sup>1)</sup>           | 2050/80.7 <sup>1)</sup>           | 2005/78.9 <sup>1)</sup>           | 2050/80.7 <sup>1)</sup>           | 2005/78.9 <sup>1)</sup>           | 2050/80.7 <sup>1)</sup>           | 2005/78.9 <sup>1)</sup>           |
|                     |        | Overall length(unfold the pedal)                                | l <sub>1</sub> (mm/in)  | 2527/99.5 <sup>1)</sup>       |                               | 2527/99.5 <sup>1)</sup>       |                               | 2527/99.5 <sup>1)</sup>       |                               | 2527/99.5 <sup>1)</sup>       |                               | 2482/97.7 <sup>1)</sup>           |                                   | 2482/97.7 <sup>1)</sup>           |                                   | 2482/97.7 <sup>1)</sup>           |                                   | 2482/97.7 <sup>1)</sup>           |                                   |
|                     | 4.21   | Overall width                                                   | b <sub>1</sub> (mm/in)  | 800/31.5                      | 800/31.5                      | 800/31.5                      | 800/31.5                      | 800/31.5                      | 800/31.5                      | 800/31.5                      | 800/31.5                      | 1100/1270/1470<br>(43.3/50/57.9)  | 1100/1270/1470<br>(43.3/50/57.9)  | 1100/1270/1470<br>(43.3/50/57.9)  | 1100/1270/1470<br>(43.3/50/57.9)  | 1100/1270/1470<br>(43.3/50/57.9)  | 1100/1270/1470<br>(43.3/50/57.9)  | 1100/1270/1470<br>(43.3/50/57.9)  | 1100/1270/1470<br>(43.3/50/57.9)  |
|                     | 4.22   | Fork dimensions ISO 2331                                        | s/e/l mm/(in)           | 65/185/1150<br>(2.6/7.3/42.3) | 65/185/1150<br>(2.6/7.3/42.3) | 65/185/1150<br>(2.6/7.3/42.3) | 65/185/1150<br>(2.6/7.3/42.3) | 65/185/1150<br>(2.6/7.3/42.3) | 65/185/1150<br>(2.6/7.3/42.3) | 65/185/1150<br>(2.6/7.3/42.3) | 65/185/1150<br>(2.6/7.3/42.3) | 35/100/1070<br>(1.4/3.9/42.1)     | 35/100/1070<br>(1.4/3.9/42.1)     | 35/100/1070<br>(1.4/3.9/42.1)     | 35/100/1070<br>(1.4/3.9/42.1)     | 35/100/1070<br>(1.4/3.9/42.1)     | 35/100/1070<br>(1.4/3.9/42.1)     | 35/100/1070<br>(1.4/3.9/42.1)     | 35/100/1070<br>(1.4/3.9/42.1)     |
|                     | 4.25   | Distance between fork-arms                                      | b <sub>s</sub> mm(in)   | 570/680 (22.4/26.8)           | 570/680 (22.4/26.8)           | 570/680 (22.4/26.8)           | 570/680 (22.4/26.8)           | 570/680 (22.4/26.8)           | 570/680 (22.4/26.8)           | 570/680 (22.4/26.8)           | 570/680 (22.4/26.8)           | 210~790 (8.3~31.1)                | 210~790 (8.3~31.1)                | 210~790 (8.3~31.1)                | 210~790 (8.3~31.1)                | 210~790 (8.3~31.1)                | 210~790 (8.3~31.1)                | 210~790 (8.3~31.1)                | 210~790 (8.3~31.1)                |
|                     | 4.32   | Ground clearance, centre of wheelbase                           | m <sub>2</sub> (mm/in)  | 30/1.2                        | 30/1.2                        | 30/1.2                        | 30/1.2                        | 30/1.2                        | 30/1.2                        | 30/1.2                        | 25/1.0                        | 25/1.0                            | 40/1.6                            | 40/1.6                            | 40/1.6                            | 40/1.6                            | 40/1.6                            | 40/1.6                            | 40/1.6                            |
|                     | 4.34.1 | Aisle width for pallets 1000 x 1200 crossways                   | A <sub>st</sub> (mm/in) | 2312/91 <sup>1)</sup>         | 2318/91.3 <sup>1)</sup>       | 2312/91 <sup>1)</sup>         | 2318/91.3 <sup>1)</sup>       | 2312/91 <sup>1)</sup>         | 2318/91.3 <sup>1)</sup>       | 2312/91 <sup>1)</sup>         | 2318/91.3 <sup>1)</sup>       | 2342/92.2 <sup>1)</sup>           | 2348/92.4 <sup>1)</sup>           | 2342/92.2 <sup>1)</sup>           | 2348/92.4 <sup>1)</sup>           | 2342/92.2 <sup>1)</sup>           | 2348/92.4 <sup>1)</sup>           | 2342/92.2 <sup>1)</sup>           | 2348/92.4 <sup>1)</sup>           |
|                     | 4.34.2 | Aisle width for pallets 800 x 1200 lengthways                   | A <sub>st</sub> (mm/in) | 2362/93 <sup>1)</sup>         | 2368/93.2 <sup>1)</sup>       | 2362/93 <sup>1)</sup>         | 2368/93.2 <sup>1)</sup>       | 2362/93 <sup>1)</sup>         | 2368/93.2 <sup>1)</sup>       | 2362/93 <sup>1)</sup>         | 2368/93.2 <sup>1)</sup>       | 2392/94.2 <sup>1)</sup>           | 2398/94.4 <sup>1)</sup>           | 2392/94.2 <sup>1)</sup>           | 2398/94.4 <sup>1)</sup>           | 2392/94.2 <sup>1)</sup>           | 2398/94.4 <sup>1)</sup>           | 2392/94.2 <sup>1)</sup>           | 2398/94.4 <sup>1)</sup>           |
|                     | 4.35   | Turning radius                                                  | W <sub>a</sub> (mm/in)  | 1662/65.4                     | 1668/65.7                     | 1662/65.4                     | 1668/65.7                     | 1662/65.4                     | 1668/65.7                     | 1662/65.4                     | 1668/65.7                     | 1662/65.4                         | 1668/65.7                         | 1662/65.4                         | 1668/65.7                         | 1662/65.4                         | 1668/65.7                         | 1662/65.4                         | 1668/65.7                         |
| Performance data    | 5.1    | Travel speed,laden/unladen                                      | km/h (mph)              | 7.0/7.0 (4.3/4.3)             | 6.0/6.0 (3.7/3.7)             | 7.0/7.0 (4.3/4.3)             | 6.0/6.0 (3.7/3.7)             | 7.0/7.0 (4.3/4.3)             | 5.0/6.0 (3.1/3.7)             | 7.0/7.0 (4.3/4.3)             | 5.0/6.0 (3.1/3.7)             | 7.0/7.0 (4.3/4.3)                 | 6.0/6.0 (3.7/3.7)                 | 7.0/7.0 (4.3/4.3)                 | 6.0/6.0 (3.7/3.7)                 | 7.0/7.0 (4.3/4.3)                 | 5.0/6.0 (3.1/3.7)                 | 7.0/7.0 (4.3/4.3)                 | 5.0/6.0 (3.1/3.7)                 |
|                     | 5.2    | Lift speed,laden/unladen                                        | m/s (ft/min)            | 0.087/0.133 (1.71/26.2)       | 0.087/0.133 (1.71/26.2)       | 0.129/0.198 (25.4/39)         | 0.129/0.198 (25.4/39)         | 0.108/0.160 (21.3/31.5)       | 0.108/0.160 (21.3/31.5)       | 0.098/0.160 (19.3/31.5)       | 0.098/0.160 (19.3/31.5)       | 0.087/0.133 (1.71/26.2)           | 0.087/0.133 (1.71/26.2)           | 0.129/0.198 (25.4/39)             | 0.129/0.198 (25.4/39)             | 0.108/0.160 (21.3/31.5)           | 0.108/0.160 (21.3/31.5)           | 0.098/0.160 (19.3/31.5)           | 0.098/0.160 (19.3/31.5)           |
|                     | 5.3    | Lowering speed,laden/unladen                                    | m/s (ft/min)            | 0.155/0.158 (30.5/31.1)       | 0.155/0.158 (30.5/31.1)       | 0.213/0.200 (41.9/39.4)       | 0.213/0.200 (41.9/39.4)       | 0.185/0.155 (36.4/30.5)       | 0.185/0.155 (36.4/30.5)       | 0.195/0.155 (38.4/30.5)       | 0.195/0.155 (38.4/30.5)       | 0.155/0.158 (30.5/31.1)           | 0.155/0.158 (30.5/31.1)           | 0.213/0.200 (41.9/39.4)           | 0.213/0.200 (41.9/39.4)           | 0.185/0.155 (36.4/30.5)           | 0.185/0.155 (36.4/30.5)           | 0.195/0.155 (38.4/30.5)           | 0.195/0.155 (38.4/30.5)           |
|                     | 5.8    | Max Gradeability,laden/unladen                                  | %                       | 10/16                         | 8/16                          | 10/16                         | 8/16                          | 8/16                          | 5/16                          | 8/16                          | 5/16                          | 10/16                             | 8/16                              | 10/16                             | 8/16                              | 8/16                              | 5/16                              | 8/16                              | 5/16                              |
| Electric engine     | 6.1    | Drive motor rating S2 60 min                                    | kW/hp                   | 2.2/3.0                       | 1.5/2.0                       | 2.2/3.0                       | 1.5/2.0                       | 2.2/3.0                       | 1.5/2.0                       | 2.2/3.0                       | 1.5/2.0                       | 2.2/3.0                           | 1.5/2.0                           | 2.2/3.0                           | 1.5/2.0                           | 2.2/3.0                           | 1.5/2.0                           | 2.2/3.0                           | 1.5/2.0                           |
|                     | 6.2    | Lift motor rating at S3 15%                                     | kW/hp                   | 2.2/3.0                       | 2.2/3.0                       | 3.0/4.0                       | 3.0/4.0                       | 3.0/4.0                       | 3.0/4.0                       | 3.0/4.0                       | 3.0/4.0                       | 2.2/3.0                           | 2.2/3.0                           | 3.0/4.0                           | 3.0/4.0                           | 3.0/4.0                           | 3.0/4.0                           | 3.0/4.0                           | 3.0/4.0                           |
|                     |        | Steering motor power                                            | kW/hp                   | 0.2/0.27                      |                               | 0.2/0.27                      |                               | 0.2/0.27                      |                               | 0.2/0.27                      |                               | 0.2/0.27                          |                                   | 0.2/0.27                          |                                   | 0.2/0.27                          |                                   | 0.2/0.27                          |                                   |
|                     | 6.4    | Battery voltage,rated capacity                                  | V/Ah                    | 24/280                        | 24/240                        | 24/280                        | 24/240                        | 24/340                        | 24/280                        | 24/340                        | 24/280                        | 24/280                            | 24/240                            | 24/280                            | 24/240                            | 24/340                            | 24/280                            | 24/340                            | 24/280                            |
|                     |        | Battery voltage,rated capacity,Optional                         | V/Ah                    | ~24/340                       | ~24/340                       | ~24/340                       | ~24/340                       | ~24/340                       | ~24/340                       | ~24/340                       | ~24/340                       | ~24/340                           | ~24/340                           | ~24/340                           | ~24/340                           | ~24/340                           | ~24/340                           | ~24/340                           | ~24/340                           |
|                     | 8.1    | Type of drive control                                           |                         | AC                            | AC                            | AC                            | AC                            | AC                            | AC                            | AC                            | AC                            | AC                                | AC                                | AC                                | AC                                | AC                                | AC                                | AC                                | AC                                |
|                     | 9.1    | Manufacturer                                                    |                         | CURTIS                        | CURTIS                        | CURTIS                        | CURTIS                        | CURTIS                        | CURTIS                        | CURTIS                        | CURTIS                        | CURTIS                            | CURTIS                            | CURTIS                            | CURTIS                            | CURTIS                            | CURTIS                            | CURTIS                            | CURTIS                            |

Note: 1),Triplex Mast+21mm/+0.83in

B: Straddle leg

ZAPI controller is as option with model CDD12-AZ3,CDD14-AZ3,CDD16-AZ3,CDD20-AZ3

CDD12-AZ3S,CDD14-AZ3S,CDD16-AZ3S,CDD20-AZ3S





1.2-1.6t Hi Range Pallet Stacker Truck Specification:

| Mast Type                        | Max Lifting Height<br>h <sub>3</sub> | Max. fork height<br>(h <sub>3</sub> +h <sub>13</sub> ) | Lowered Height<br>h <sub>1</sub> | Extended Height<br>h <sub>4</sub> | Free lift | Load Capacity at 600mm/23.6inch |             |             |
|----------------------------------|--------------------------------------|--------------------------------------------------------|----------------------------------|-----------------------------------|-----------|---------------------------------|-------------|-------------|
|                                  |                                      |                                                        |                                  |                                   |           | 1.2t/2646lb                     | 1.4t/3086lb | 1.6t/3527lb |
|                                  |                                      |                                                        |                                  |                                   |           | Kg/lb                           | Kg/lb       | Kg/lb       |
| Double cylinder duplex wide view | 2000/78.7                            | 2090/82.3                                              | 1542/60.7                        | 2542/100.1                        | 90/3.5    | 1200/2646                       | 1400/3086   | 1600/3527   |
|                                  | 2500/98.4                            | 2590/102.0                                             | 1792/70.6                        | 3042/119.8                        | 90/3.5    | 1200/2646                       | 1400/3086   | 1600/3527   |
|                                  | 2700/106.3                           | 2790/109.8                                             | 1892/74.5                        | 3242/127.6                        | 90/3.5    | 1200/2646                       | 1400/3086   | 1600/3527   |
|                                  | 3000/118.1                           | 3090/121.7                                             | 2042/80.4                        | 3542/139.4                        | 90/3.5    | 1200/2646                       | 1400/3086   | 1600/3527   |
|                                  | 3300/129.9                           | 3390/133.5                                             | 2192/86.3                        | 3842/151.3                        | 90/3.5    | 1200/2646                       | 1200/2646   | 1300/2866   |
|                                  | 3500/137.8                           | 3590/141.3                                             | 229290.2                         | 4042/159.1                        | 90/3.5    | 1070/2359                       | 1070/2359   | 1130/2491   |
|                                  | 3600/141.7                           | 3690/145.3                                             | 2342/92.2                        | 4142/163.1                        | 90/3.5    | 1000/2205                       | 1000/2205   | 1050/2315   |
|                                  | 3800/149.6                           | 3890/153.1                                             | 2442/96.1                        | 4342/170.9                        | 90/3.5    | 920/2028                        | 920/2028    | 970/2139    |
|                                  | 4000/157.5                           | 4090/161.0                                             | 2642/104.0                       | 4642/182.8                        | 90/3.5    | 850/1874                        | 850/1874    | 900/1984    |
|                                  | 4300/169.3                           | 4390/172.8                                             | 2792/109.9                       | 4942/194.6                        | 90/3.5    | 770/1698                        | 770/1698    | 810/1786    |
| Duplex full-free wide view       | 4500/177.2                           | 4590/180.7                                             | 2892/113.9                       | 5142/202.4                        | 90/3.5    | 680/1499                        | 680/1499    | 710/1565    |
|                                  | 2000/78.7                            | 2090/82.3                                              | 1595/62.8                        | 2595/102.2                        | 1090/42.9 | 1200/2646                       | 1400/3086   | 1600/3527   |
|                                  | 2500/98.4                            | 2590/102.0                                             | 1845/72.6                        | 3095/121.9                        | 1340/52.8 | 1200/2646                       | 1400/3086   | 1600/3527   |
|                                  | 2700/106.3                           | 2790/109.8                                             | 1945/76.6                        | 3295/129.7                        | 1440/56.7 | 1200/2646                       | 1400/3086   | 1600/3527   |
|                                  | 3000/118.1                           | 3090/121.7                                             | 2095/82.5                        | 3595/141.5                        | 1590/62.6 | 1200/2646                       | 1400/3086   | 1600/3527   |
|                                  | 3300/129.9                           | 3390/133.5                                             | 2245/88.4                        | 3895/153.3                        | 1740/68.5 | 1200/2646                       | 1200/2646   | 1300/2866   |
|                                  | 3500/137.8                           | 3590/141.3                                             | 2345/92.3                        | 4095/161.2                        | 1840/72.4 | 1070/2359                       | 1070/2359   | 1130/2491   |
|                                  | 3600/141.7                           | 3690/145.3                                             | 2395/94.3                        | 4195/165.2                        | 1890/74.4 | 1000/2205                       | 1000/2205   | 1050/2315   |
|                                  | 3500/137.8                           | 3590/141.3                                             | 1844/72.6                        | 4214/165.9                        | 1220/48.0 | 1070/2359                       | 1070/2359   | 1130/2491   |
|                                  | 3600/141.7                           | 3690/145.3                                             | 1909/75.2                        | 4409/173.6                        | 1290/50.8 | 960/2116                        | 960/2116    | 1010/2227   |
| Triplex full-free wide view      | 3800/149.6                           | 3890/153.1                                             | 2009/79.1                        | 4709/185.4                        | 1390/54.7 | 850/1874                        | 850/1874    | 900/1984    |
|                                  | 4000/157.5                           | 4090/161.0                                             | 2109/83.0                        | 5009/197.2                        | 1490/58.7 | 770/1698                        | 770/1698    | 810/1786    |
|                                  | 4300/169.3                           | 4390/172.8                                             | 2159/85.0                        | 5159/203.1                        | 1590/62.6 | 680/1499                        | 680/1499    | 710/1565    |
|                                  | 4500/177.2                           | 4590/180.7                                             | 2259/88.9                        | 5459/214.9                        | 1590/62.6 | 600/1323                        | 600/1323    | 630/1389    |
|                                  | 5000/196.9                           | 5090/200.4                                             | 2354/92.7                        | 5744/226.1                        | 1700/66.9 | 500/1102                        | 500/1102    | 530/1168    |
|                                  | 5200/204.7                           | 5290/208.3                                             | 2409/94.9                        | 5909/232.6                        | 1790/70.5 | 440/970                         | 440/970     | 470/1036    |

2.0t Hi Range Pallet Stacker Truck Specification:

| Mast Type                        | Max Lifting Height<br>h <sub>3</sub> | Max. fork height<br>(h <sub>3</sub> +h <sub>13</sub> ) | Lowered Height<br>h <sub>1</sub> | Extended Height<br>h <sub>4</sub> | Free lift | Load Capacity at 600mm/23.6inch |
|----------------------------------|--------------------------------------|--------------------------------------------------------|----------------------------------|-----------------------------------|-----------|---------------------------------|
|                                  |                                      |                                                        |                                  |                                   |           | 2.0t/4409lb                     |
|                                  |                                      |                                                        |                                  |                                   |           | Kg/lb                           |
| Double cylinder duplex wide view | 2000/78.7                            | 2090/82.3                                              | 1647/64.8                        | 2647/104.2                        | 90/3.5    | 2000/4409                       |
|                                  | 2500/98.4                            | 2590/102.0                                             | 1897/74.7                        | 3147/123.9                        | 90/3.5    | 2000/4409                       |
|                                  | 2700/106.3                           | 2790/109.8                                             | 1997/78.6                        | 3347/131.8                        | 90/3.5    | 1800/3968                       |
|                                  | 3000/118.1                           | 3090/121.7                                             | 2147/84.5                        | 3647/143.6                        | 90/3.5    | 1600/3527                       |
|                                  | 3300/129.9                           | 3390/133.5                                             | 2297/90.4                        | 3947/155.4                        | 90/3.5    | 1350/2976                       |
|                                  | 3500/137.8                           | 3590/141.3                                             | 2397/94.4                        | 4147/163.3                        | 90/3.5    | 1180/2602                       |
|                                  | 3600/141.7                           | 3690/145.3                                             | 2447/96.3                        | 4247/167.2                        | 90/3.5    | 1100/2425                       |
|                                  | 3800/149.6                           | 3890/153.1                                             | 2547/100.3                       | 4447/175.1                        | 90/3.5    | 980/2161                        |
|                                  | 4000/157.5                           | 4090/161.0                                             | 2747/108.1                       | 4747/186.9                        | 90/3.5    | 950/2094                        |
|                                  | 4300/169.3                           | 4390/172.8                                             | 2897/114.1                       | 5047/198.7                        | 90/3.5    | 860/1896                        |
| Duplex full-free wide view       | 4500/177.2                           | 4590/180.7                                             | 2997/118.0                       | 5247/206.6                        | 90/3.5    | 760/1676                        |
|                                  | 2000/78.7                            | 2090/82.3                                              | 1700/66.9                        | 2700/106.3                        | 1090/42.9 | 2000/4409                       |
|                                  | 2500/98.4                            | 2590/102.0                                             | 1950/76.8                        | 3200/126.0                        | 1340/52.8 | 2000/4409                       |
|                                  | 2700/106.3                           | 2790/109.8                                             | 2050/80.7                        | 3400/133.9                        | 1440/56.7 | 1800/3968                       |
|                                  | 3000/118.1                           | 3090/121.7                                             | 2200/86.6                        | 3700/145.7                        | 1590/62.6 | 1600/3527                       |
|                                  | 3300/129.9                           | 3390/133.5                                             | 2350/92.5                        | 4000/157.5                        | 1740/68.5 | 1350/2976                       |
|                                  | 3500/137.8                           | 3590/141.3                                             | 2450/96.5                        | 4200/165.4                        | 1840/72.4 | 1180/2602                       |
|                                  | 3600/141.7                           | 3690/145.3                                             | 2500/98.4                        | 4300/169.3                        | 1890/74.4 | 1100/2425                       |
|                                  | 3500/137.8                           | 3590/141.3                                             | 1944/76.5                        | 4314/169.8                        | 1130/44.5 | 1180/2602                       |
|                                  | 3700/145.7                           | 3790/149.2                                             | 2009/79.1                        | 4509/177.5                        | 1200/47.2 | 1020/2249                       |
| Triplex full-free wide view      | 4000/157.5                           | 4090/161.0                                             | 2109/83.0                        | 4809/189.3                        | 1300/51.1 | 950/2094                        |
|                                  | 4300/169.3                           | 4390/172.8                                             | 2209/87.0                        | 5109/201.1                        | 1400/55.1 | 860/1896                        |
|                                  | 4500/177.2                           | 4590/180.7                                             | 2259/88.9                        | 5259/207.0                        | 1500/59.1 | 760/1676                        |
|                                  | 4700/185.0                           | 4790/188.6                                             | 2359/92.9                        | 5559/218.9                        | 1500/59.1 | 680/1499                        |
|                                  | 5000/196.9                           | 5090/200.4                                             | 2454/96.6                        | 5844/230.1                        | 1610/63.4 | 570/1257                        |
|                                  | 5200/204.7                           | 5290/208.3                                             | 2509/98.8                        | 6009/236.6                        | 1700/66.9 | 510/1124                        |



A Series Electric Counterbalanced Stacker  
with capacities of 800 to 2,000kg

Is widely used in pallet stacking, wherever support arm stacker truck cannot operate close pallet and lower pallet. Applied the latest AC drive technology, advanced performance, comfort, safe, reliable, low maintenance cost, easy to operate, and economical to buy is the ideal solution for warehouses, supermarkets, workshop loading/unloading and handling pallets of cargos.





## Appearance

- / A series electric counterbalanced stacker applied professional industrial design, stream lines, and compact, and fully ergonomic consideration, in line with the latest design trends.
- / Applied steel stamping and injection molding processes for front and back guard, which is robust, durable, and also environmental compliance.

## High Performance

- / Electric power steering is standard specification, which provides flexible operation.
- / Pump motor controller offers proportional lifting/lowering, low noise, energy consumption reduced by 15%.
- / Powered by AC traction motor not only has good acceleration and climbing performance, but also low heat, brushless, maintenance-free.
- / Latest AC CURTIS control system, precise and smooth.
- / CAN-BUS connection enables all truck data can be read out for inspection, and also improves the data transition more quick and reliable.
- / Regenerative braking for battery recovery during travel speed reduction, anti-slope on gradient.
- / All key parts such as switches, connectors, battery indicator and hour meter all adopt the famous brand.

## Reliability

- / 3-pivot with low centre of gravity design and high strength steel frame structure chassis provide high residual load capability and longer working life.
- / Imported waterproof connectors, all wires and cables are protected, greatly improve the reliability of the electric system.
- / Using non-contact proximity switch, improves safety and reliability.
- / Top quality hydraulic power unit applied to provide low noise, low vibration, smooth lifting and landing reliable operation.
- / H-type mast profile section is applied to provide stable lifting and high strength.
- / The power plug is fixed on the chassis to avoid damage during battery replacement.

## Safety

- / Travel speed will be automatically reduced after fork lifting height over 500mm.
- / Automatic deceleration during turning.
- / Punch-formed handrails provide more safety to the operator.
- / Three braking system of regenerative braking, reverse current braking, and emergency braking, insures the safe operation.
- / Anti-slope on gradient can keep the safety.
- / The emergency button on the tiller head can effectively avoid the harm to the driver.
- / Soft landing system applied to protect loads from damaging when forks lowering to 100mm to ground.

## Comfort

- / The pedal applies shock absorption design, greatly improves the operator's comfort, reduce the fatigue.
- / The compact body and semicircular design provide an ideal operation in limited space, and the wedge designed chassis greatly increases the passing ability.

## Maintenance

- / AC motor without carbon brushes, maintenance-free, cost saving.
- / Integrated battery indicator, hour meter and self-diagnostic instrument.

## Standard Specification

- / AC drive motor
- / CURTIS controller
- / Electric power steering
- / 2.7m double cylinder duplex mast
- / Emergency switch
- / The proportional lift & lower control
- / 1070mm fork length
- / Side battery change
- / Multi-function battery indicator
- / PU load wheel
- / CAN bus technology
- / Soft landing system

## Options

- / Mast lift height:  
Duplex mast 2000-4500mm,  
full free duplex mast: 2000-3600mm,  
triplex mast 0.8t: 3500-5000mm,  
1.2/1.6/2.0t: 3500-5500mm.
- / Mast tilting: Forward 2°/ Backword 6°
- / Different length of fork
- / Load backrest



Simple and beautiful tiller designed to improve the operator's driving comfort. Optimized designing structure to offer a good visibility and easy entrance to the pallet



Side battery change is standard specification



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



Mast tilting is the optional feature, offers proportional forward/backward speed

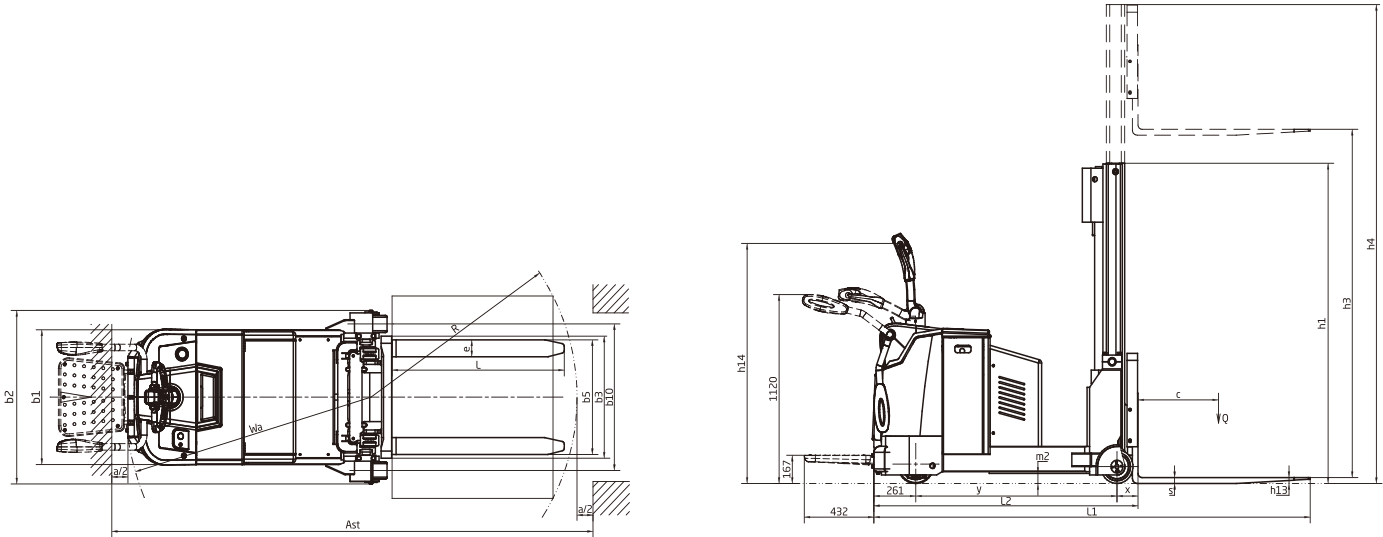


A Series Electric counterbalanced stacker

|                      |        |                                                            |                                        |                                         |                                         |                                         |                                         |
|----------------------|--------|------------------------------------------------------------|----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|
| Distinguishing marks | 1.1    | Manufacturer                                               |                                        | HANGCHA GROUP CO.,LTD.                  |                                         |                                         |                                         |
|                      | 1.2    | Manufacturer's type designation                            |                                        | CDD08-AC1S-P                            | CDD12-AC1S-P                            | CDD16-AC1S-P                            | CDD20-AC1S-P                            |
|                      | 1.3    | Drive:electric(battery or mains),diesel,petrol,fuel gas    |                                        | electric                                | electric                                | electric                                | electric                                |
|                      | 1.4    | Operator type:hand,pedestrian,standing,seated,order-picker |                                        | standing                                | standing                                | standing                                | standing                                |
|                      | 1.5    | Rated capacity/rated load                                  | Q (kg/lb)                              | 800/1764                                | 1200/2646                               | 1600/3527                               | 2000/4409                               |
|                      | 1.6    | Load centre distance                                       | c(mm/in)                               | 500/20                                  | 500/20                                  | 500/20                                  | 500/20                                  |
|                      | 1.8    | Load distance, centre of drive axle to fork                | x(mm/in)                               | 131/5.2                                 | 131/5.2                                 | 141/5.6                                 | 151/5.9                                 |
| Weights              | 1.9    | Wheelbase                                                  | y(mm/in)                               | 1023/40.3                               | 1150/45.3                               | 1371/54.0                               | 1571/61.9                               |
|                      | 2.1    | Service Weight incl.battery(see line6.5)                   | kg/lb                                  | 1800/3968                               | 1950/4299                               | 2050/4520                               | 2126/4687                               |
|                      | 2.2    | Axle loading,laden front/rear                              | kg (lb)                                | 420/2180 (926/4806)                     | 310/2840 (683/6261)                     | 450/3200 (992/7055)                     | 531/3595 (1171/7926)                    |
| Wheels, Chassis      | 2.3    | Axle loading,unladen front/rear                            | kg (lb)                                | 935/865 (2061/1907)                     | 1090/860 (2403/1896)                    | 1150/900 (2535/1984)                    | 1189/937 (2621/2066)                    |
|                      | 3.1    | Tyres:solid rubber,superelastic,pneumatic,polyurethane     |                                        | PU                                      | PU                                      | PU                                      | PU                                      |
|                      | 3.2    | Tyre size, front                                           | mm/in                                  | φ230×75 / φ9.1×3.0                      | φ230×75 / φ9.1×3.0                      | φ250×100 / φ9.8×3.9                     | φ250×100 / φ9.8×3.9                     |
|                      | 3.3    | Tyre size, rear                                            | mm/in                                  | φ200×100 / φ7.9×3.9                     | φ200×100 / φ7.9×3.9                     | φ200×100 / φ7.9×3.9                     | φ200×100 / φ7.9×3.9                     |
| Basic Dimensions     | 3.5    | Wheels, number front / rear (x = driven wheels)            |                                        | 1×/2                                    | 1×/2                                    | 1×/2                                    | 1×/2                                    |
|                      | 3.6    | Tread, front                                               | b <sub>10</sub> (mm/in)                | 870/34.3                                | 870/34.3                                | 870/34.3                                | 870/34.3                                |
|                      | 4.2    | Height,mast lowered                                        | h <sub>1</sub> (mm/in)                 | 1900/74.8                               | 1900/74.8                               | 1900/74.8                               | 1900/74.8                               |
|                      | 4.4    | Lift                                                       | h <sub>3</sub> (mm/in)                 | 2700/106.3                              | 2700/106.3                              | 2700/106.3                              | 2700/106.3                              |
|                      | 4.9    | Height of tiller in drive position min./max.               | h <sub>1+4</sub> mm (in)               | 1115/1420 (43.9/55.9)                   | 1115/1420 (43.9/55.9)                   | 1115/1420 (43.9/55.9)                   | 1115/1420 (43.9/55.9)                   |
|                      | 4.15   | Height, lowered                                            | h <sub>1+2</sub> (mm/in)               | 351/1.38                                | 351/1.38                                | 351/1.38                                | 451/1.8                                 |
|                      | 4.19   | Overall length                                             | l <sub>1</sub> (mm/in)                 | 2485 <sup>1)</sup> /97.8 <sup>1)</sup>  | 2612 <sup>1)</sup> /102.8 <sup>1)</sup> | 2822 <sup>1)</sup> /111.1 <sup>1)</sup> | 3032 <sup>1)</sup> /119.4 <sup>1)</sup> |
|                      | 4.20   | Length to face of forks                                    | l <sub>2</sub> (mm/in)                 | 1415 <sup>1)</sup> /55.7 <sup>1)</sup>  | 1542 <sup>1)</sup> /60.7 <sup>1)</sup>  | 1752 <sup>1)</sup> /69.0 <sup>1)</sup>  | 1962 <sup>1)</sup> /77.2 <sup>1)</sup>  |
|                      | 4.21   | Overall width                                              | b <sub>1</sub> /b <sub>2</sub> mm (in) | 800/1030 (31.5/40.6)                    | 800/1030 (31.5/40.6)                    | 800/1030 (31.5/40.6)                    | 800/1030 (31.5/40.6)                    |
|                      | 4.22   | Fork dimensions                                            | s/e/l mm (in)                          | 35/100/1070 (1.4/3.9/42.1)              | 35/100/1070 (1.4/3.9/42.1)              | 35/100/1070 (1.4/3.9/42.1)              | 45/100/1070 (1.8/3.9/42.1)              |
|                      | 4.24   | Fork-carriage width                                        | b <sub>3</sub> (mm/in)                 | 700/27.6                                | 700/27.6                                | 700/27.6                                | 700/27.6                                |
|                      | 4.25   | Distance between fork-arms                                 | b <sub>5</sub> mm (in)                 | 210~680 (8.3~26.8)                      | 210~680 (8.3~26.8)                      | 210~680 (8.3~26.8)                      | 210~680 (8.3~26.8)                      |
|                      | 4.32   | Ground clearance, centre of wheelbase                      | m <sub>2</sub> (mm/in)                 | 60/2.36                                 | 60/2.36                                 | 60/2.36                                 | 60/2.36                                 |
|                      | 4.34.1 | Aisle width for pallets 1000 x 1200 crossways              | A <sub>st</sub> (mm/in)                | 2760 <sup>1)</sup> /108.7 <sup>1)</sup> | 2810 <sup>1)</sup> /110.6 <sup>1)</sup> | 3019 <sup>1)</sup> /118.9 <sup>1)</sup> | 3228 <sup>1)</sup> /127.1 <sup>1)</sup> |
|                      | 4.34.2 | Aisle width for pallets 800 x 1200 lengthways              | A <sub>st</sub> (mm/in)                | 2870 <sup>1)</sup> /113.0 <sup>1)</sup> | 2920 <sup>1)</sup> /115.0 <sup>1)</sup> | 3129 <sup>1)</sup> /123.2 <sup>1)</sup> | 3339 <sup>1)</sup> /131.5 <sup>1)</sup> |
|                      | 4.35   | Turning radius                                             | W <sub>a</sub> (mm/in)                 | 1380/54.3                               | 1430/56.3                               | 1630/64.2                               | 1830/72.0                               |
| Performance Data     | 5.1    | Travel speed, laden/unladen                                | kph (mph)                              | 5.5/6.0 (3.4/3.7)                       | 5.5/6.0 (3.4/3.7)                       | 5.5/6.0 (3.4/3.7)                       | 5.5/6.0 (3.4/3.7)                       |
|                      | 5.2    | Lift speed, laden/unladen                                  | m/s (ft/min)                           | 0.160/0.235 (31.50/46.26)               | 0.145/0.220 (28.54/43.31)               | 0.135/0.230 (26.57/45.28)               | 0.110/0.180 (21.65/35.43)               |
|                      | 5.3    | Lowering speed, laden/unladen                              | m/s (ft/min)                           | 0.200/0.200 (39.37/39.37)               | 0.200/0.200 (39.37/39.37)               | 0.200/0.200 (39.37/39.37)               | 0.200/0.200 (39.37/39.37)               |
|                      | 5.7    | Gradeability, laden/unladen                                | %                                      | 6/10                                    | 6/10                                    | 6/10                                    | 6/10                                    |
| Electric-motor       | 6.1    | Drive motor rating S2 60 min.                              | kW/hp                                  | 1.5/2.0                                 | 1.5/2.0                                 | 3/4.0                                   | 3/4.0                                   |
|                      | 6.2    | Lift motor rating at S3 15%                                | kW/hp                                  | 2.2/2.95                                | 3.2/4.29                                | 3.2/4.29                                | 3.2/4.29                                |
|                      | 6.4    | Battery voltage/nominal capacity K5                        | V/Ah                                   | 24/240                                  | 24/280                                  | 24/350                                  | 24/350                                  |
|                      | 6.5    | Battery weight                                             | kg/lb                                  | 215/474                                 | 250/551                                 | 300/661                                 | 300/661                                 |
| Others               | 8.1    | Type of drive control                                      |                                        | AC CURTIS                               | AC CURTIS                               | AC CURTIS                               | AC CURTIS                               |

Note:1).Triplex mast +21mm(0.83in)

Specifications are subject to change without notice.



0.8t/1.2t/1.6t Mast specification

| Type                             | fork lift height h <sub>3</sub> | Max. fork height (h <sub>3</sub> +h <sub>1+3</sub> ) | Mast lowered h <sub>1</sub> | Mast extended h <sub>4</sub> | Free lift | Capacity load capacity at 500mm/19.7in |              |              | Capacity load capacity at 600mm/23.6in |              |              |
|----------------------------------|---------------------------------|------------------------------------------------------|-----------------------------|------------------------------|-----------|----------------------------------------|--------------|--------------|----------------------------------------|--------------|--------------|
|                                  |                                 |                                                      |                             |                              |           | CDD08-AC1S-P                           | CDD12-AC1S-P | CDD16-AC1S-P | CDD08-AC1S-P                           | CDD12-AC1S-P | CDD16-AC1S-P |
| Wide view mast                   | mm/in                           | mm/in                                                | mm/in                       | mm/in                        | mm/in     | kg/lb                                  | kg/lb        | kg/lb        | kg/lb                                  | kg/lb        | kg/lb        |
|                                  | 2000/78.7                       | 2035/80.1                                            | 1542/60.7                   | 2542/100.1                   | 0         | 800/1764                               | 1200/2646    | 1600/3527    | 700/1543                               | 1100/2425    | 1450/3197    |
|                                  | 2500/98.4                       | 2535/99.8                                            | 1792/70.6                   | 3042/119.8                   | 0         | 800/1764                               | 1200/2646    | 1600/3527    | 700/1543                               | 1100/2425    | 1450/3197    |
|                                  | 2700/106.3                      | 2735/107.7                                           | 1892/74.5                   | 3242/127.6                   | 0         | 800/1764                               | 1200/2646    | 1600/3527    | 700/1543                               | 1100/2425    | 1450/3197    |
|                                  | 3000/118.1                      | 3035/119.5                                           | 2042/80.4                   | 3542/139.4                   | 0         | 800/1764                               | 1200/2646    | 1600/3527    | 700/1543                               | 1100/2425    | 1450/3197    |
|                                  | 3300/129.9                      | 3335/131.3                                           | 2192/86.3                   | 3842/151.3                   | 0         | 800/1764                               | 1200/2646    | 1600/3527    | 700/1543                               | 1100/2425    | 1450/3197    |
|                                  | 3500/137.8                      | 3535/139.2                                           | 2292/90.2                   | 4042/159.1                   | 0         | 800/1764                               | 1200/2646    | 1600/3527    | 700/1543                               | 1100/2425    | 1450/3197    |
|                                  | 3600/141.7                      | 3635/143.1                                           | 2342/92.2                   | 4142/163.1                   | 0         | 700/1543                               | 1200/2646    | 1600/3527    | 600/1323                               | 1100/2425    | 1450/3197    |
|                                  | 3700/145.7                      | 3735/147.0                                           | 2392/94.2                   | 4242/167                     | 0         | 680/1499                               | 1180/2602    | 1540/3395    | 580/1279                               | 1070/2359    | 1400/3086    |
|                                  | 3800/149.6                      | 3835/151.0                                           | 2442/96.1                   | 4342/170.9                   | 0         | 660/1455                               | 1150/2535    | 1480/3263    | 560/1235                               | 1030/2271    | 1330/2932    |
|                                  | 4000/157.5                      | 4035/158.9                                           | 2642/104.0                  | 4642/182.8                   | 0         | 620/1367                               | 1100/2425    | 1400/3087    | 510/1124                               | 980/2161     | 1250/2756    |
|                                  | 4300/169.3                      | 4335/170.7                                           | 2792/109.9                  | 4942/194.6                   | 0         | 530/1169                               | 1050/2315    | 1340/2954    | 450/992                                | 900/1984     | 1210/2668    |
| Wide view full free duplex mast  | 4500/177.2                      | 4535/178.5                                           | 2892/113.9                  | 5142/202.4                   | 0         | 440/970                                | 1000/2205    | 1300/2866    | 350/772                                | 850/1874     | 1170/2579    |
|                                  | 2000/78.7                       | 2035/80.1                                            | 1595/62.8                   | 2595/102.2                   | 1035/40.7 | 800/1764                               | 1200/2646    | 1600/3527    | 700/1543                               | 1100/2425    | 1450/3197    |
|                                  | 2500/98.4                       | 2535/99.8                                            | 1845/72.6                   | 3095/121.9                   | 1285/50.6 | 800/1764                               | 1200/2646    | 1600/3527    | 700/1543                               | 1100/2425    | 1450/3197    |
|                                  | 2700/106.3                      | 2735/107.7                                           | 1945/76.6                   | 3295/129.7                   | 1385/54.5 | 800/1764                               | 1200/2646    | 1600/3527    | 700/1543                               | 1100/2425    | 1450/3197    |
|                                  | 3000/118.1                      | 3035/119.5                                           | 2095/82.5                   | 3595/141.5                   | 1535/60.4 | 800/1764                               | 1200/2646    | 1600/3527    | 700/1543                               | 1100/2425    | 1450/3197    |
|                                  | 3300/129.9                      | 3335/131.3                                           | 2245/88.4                   | 3895/153.3                   | 1685/66.6 | 800/1764                               | 1200/2646    | 1600/3527    | 700/1543                               | 1100/2425    | 1450/3197    |
|                                  | 3500/137.8                      | 3535/139.2                                           | 2345/92.3                   | 4095/161.2                   | 1785/70.3 | 800/1764                               | 1200/2646    | 1600/3527    | 700/1543                               | 1100/2425    | 1450/3197    |
|                                  | 3600/141.7                      | 3635/143.1                                           | 2395/94.3                   | 4195/165.2                   | 1835/72.2 | 700/1543                               | 1200/2646    | 1600/3527    | 600/1323                               | 1100/2425    | 1450/3197    |
|                                  | 3500/137.8                      | 3535/139.2                                           | 1844/72.6                   | 4214/165.9                   | 1165/45.9 | 800/1764                               | 1200/2646    | 1600/3527    | 700/1543                               | 1100/2425    | 1450/3197    |
|                                  | 3700/145.7                      | 3735/147.0                                           | 1909/75.2                   | 4409/173.6                   | 1235/48.6 | 680/1499                               | 1180/2602    | 1540/3395    | 580/1279                               | 1070/2359    | 1400/3086    |
|                                  | 4000/157.5                      | 4035/158.9                                           | 2009/70.1                   | 4709/185.4                   | 1335/52.6 | 620/1367                               | 1100/2425    | 1400/3087    | 510/1124                               | 980/2161     | 1250/2756    |
|                                  | 4300/169.3                      | 4335/170.7                                           | 2109/83.0                   | 5009/197.2                   | 1435/56.5 | 530/1169                               | 1050/2315    | 1340/2954    | 450/992                                | 900/1984     | 1210/2668    |
| Wide view full free triplex mast | 4500/177.2                      | 4535/178.5                                           | 2159/85.0                   | 5159/203.1                   | 1535/60.4 | 440/970                                | 1000/2205    | 1300/2866    | 350/772                                | 850/1874     | 1170/2579    |
|                                  | 4700/185.0                      | 4735/186.4                                           | 2259/88.9                   | 5459/214.9                   | 1590/62.6 | 380/838                                | 950/2094     | 1220/2690    | 250/551                                | 760/1676     | 1100/2425    |
|                                  | 5000/196.9                      | 5035/198.2                                           | 2354/92.7                   | 5744/226.1                   | 1700/66.9 | 300/661                                | 800/1764     | 1000/2205    | 210/463                                | 650/1433     | 900/1984     |
|                                  | 5200/204.7                      | 5235/206.1                                           | 2409/94.8                   | 5909/232.6                   | 1790/70.5 | —                                      | 680/1499     | 850/1874     | —                                      | 540/1190     | 750/1653     |
|                                  | 5500/216.5                      | 5535/217.9                                           | 2509/98.8                   | 6209/244.4                   | 1890/74.4 | —                                      | 550/1213     | 700/1543     | —                                      | 400/882      | 600/1323     |
|                                  |                                 |                                                      |                             |                              |           |                                        |              |              |                                        |              |              |
|                                  |                                 |                                                      |                             |                              |           |                                        |              |              |                                        |              |              |
|                                  |                                 |                                                      |                             |                              |           |                                        |              |              |                                        |              |              |

2.0t Mast specification

| Type                                   | fork lift<br>height h <sub>3</sub> | Max. fork height<br>(h <sub>3</sub> +h <sub>1+3</sub> ) | Mast lowered<br>h <sub>1</sub> | Mast extended<br>h <sub>4</sub> | Free lift | Capacity<br>load capacity at 500mm/19.7in | Capacity<br>load capacity at 600mm/23.6in |
|----------------------------------------|------------------------------------|---------------------------------------------------------|--------------------------------|---------------------------------|-----------|-------------------------------------------|-------------------------------------------|
|                                        |                                    |                                                         |                                |                                 |           | CDD20-AC1S-P                              | CDD20-AC1S-P                              |
|                                        | mm/in                              | mm/in                                                   | mm/in                          | mm/in                           | mm/in     | kg/lb                                     | kg/lb                                     |
| Wide view mast                         | 2000/78.7                          | 2045/80.5                                               | 1647/64.8                      | 2647/104.2                      | 0         | 2000/4409                                 | 1800/3968                                 |
|                                        | 2500/98.4                          | 2545/100.2                                              | 1897/74.7                      | 3147/123.9                      | 0         | 2000/4409                                 | 1800/3968                                 |
|                                        | 2700/106.3                         | 2745/108.1                                              | 1997/78.6                      | 3347/131.8                      | 0         | 2000/4409                                 | 1800/3968                                 |
|                                        | 3000/118.1                         | 3045/119.9                                              | 2147/84.5                      | 3647/143.6                      | 0         | 2000/4409                                 | 1800/3968                                 |
|                                        | 3300/129.9                         | 3345/131.7                                              | 2297/90.4                      | 3947/155.4                      | 0         | 2000/4409                                 | 1800/3968                                 |
|                                        | 3500/137.8                         | 3545/139.6                                              | 2397/94.4                      | 4147/163.3                      | 0         | 2000/4409                                 | 1800/3968                                 |
|                                        | 3600/141.7                         | 3645/143.5                                              | 2447/96.3                      | 4247/167.2                      | 0         | 1950/4299                                 | 1750/3858                                 |
|                                        | 3700/145.7                         | 3745/147.4                                              | 2497/98.3                      | 4347/171.1                      | 0         | 1900/4189                                 | 1710/3770                                 |
|                                        | 3800/149.6                         | 3845/151.4                                              | 2547/100.3                     | 4447/175.1                      | 0         | 1840/4057                                 | 1660/3660                                 |
|                                        | 4000/157.5                         | 4045/159.3                                              | 2747/108.1                     | 4747/186.9                      | 0         | 1800/3968                                 | 1600/3527                                 |
|                                        | 4300/169.3                         | 4345/171.1                                              | 2897/114.1                     | 5047/198.7                      | 0         | 1680/3704                                 | 1500/3307                                 |
|                                        | 4500/177.2                         | 4545/178.9                                              | 2997/118.0                     | 5247/206.6                      | 0         | 1600/3527                                 | 1400/3086                                 |
| Wide view<br>full free<br>duplex mast  | 2000/78.7                          | 2045/80.5                                               | 1700/66.9                      | 2700/106.3                      | 1045/41.1 | 2000/4409                                 | 1800/3968                                 |
|                                        | 2500/98.4                          | 2545/100.2                                              | 1950/76.8                      | 3200/126.0                      | 1295/51.0 | 2000/4409                                 | 1800/3968                                 |
|                                        | 2700/106.3                         | 2745/108.1                                              | 2050/80.7                      | 3400/133.9                      | 1395/54.9 | 2000/4409                                 | 1800/3968                                 |
|                                        | 3000/118.1                         | 3045/119.9                                              | 2200/86.6                      | 3700/145.7                      | 1545/60.8 | 2000/4409                                 | 1800/3968                                 |
|                                        | 3300/129.9                         | 3345/131.7                                              | 2350/92.5                      | 4000/157.5                      | 1695/66.7 | 2000/4409                                 | 1800/3968                                 |
|                                        | 3500/137.8                         | 3545/139.6                                              | 2450/96.5                      | 4200/165.4                      | 1795/70.7 | 2000/4409                                 | 1800/3968                                 |
|                                        | 3600/141.7                         | 3645/143.5                                              | 2500/98.4                      | 4300/169.3                      | 1845/72.6 | 1950/4299                                 | 1750/3858                                 |
| Wide view<br>full free<br>triplex mast | 3500/137.8                         | 3545/139.6                                              | 1944/76.5                      | 4314/169.8                      | 1175/46.3 | 2000/4409                                 | 1800/3968                                 |
|                                        | 3700/145.7                         | 3745/147.4                                              | 2009/79.1                      | 4509/177.5                      | 1290/50.8 | 1900/4189                                 | 1710/3770                                 |
|                                        | 4000/157.5                         | 4045/159.3                                              | 2109/83.0                      | 4809/189.3                      | 1390/54.7 | 1800/3968                                 | 1600/3527                                 |
|                                        | 4300/169.3                         | 4345/171.1                                              | 2209/87.0                      | 5109/201.1                      | 1490/58.7 | 1680/3704                                 | 1500/3307                                 |
|                                        | 4500/177.2                         | 4545/178.9                                              | 2259/88.9                      | 5259/207.0                      | 1590/62.6 | 1600/3527                                 | 1400/3086                                 |
|                                        | 4700/185.0                         | 4745/186.8                                              | 2359/92.9                      | 5559/218.9                      | 1600/63.0 | 1480/3263                                 | 1300/2866                                 |
|                                        | 5000/196.9                         | 5045/198.6                                              | 2454/96.6                      | 5844/230.1                      | 1610/63.4 | 1200/2646                                 | 1100/2425                                 |
|                                        | 5200/204.7                         | 5245/206.5                                              | 2509/98.8                      | 6009/236.6                      | 1700/66.9 | 1000/2205                                 | 900/1984                                  |
|                                        | 5500/216.5                         | 5545/218.3                                              | 2609/102.7                     | 6309/248.4                      | 1800/70.9 | 800/1764                                  | 700/1543                                  |





# Electric Stacker With Initial Lift

with capacities of 800 to 1,200kg

## Application

/ Carrying two pallets at a time, improve working efficiency; extraordinary traction in crossing door and dock.

## Operator Controls

/ With the new design of ergonomic tiller head, all buttons can be reached conveniently & comfortably.

## Electrical And Drive Unit

/ World-class hydraulic power pack, with low noise, few vibration and excellent leak tightness, automatically adjusts the rate of decline whether loaded or unloaded, and ensures smooth lifting. The innovative AC system offers quick response, accurate control, impact structure, excellent performance, longer battery working life. American AMP connectors with top quality, prevents moisture and contaminants from interrupting truck operation in all environments, plus all the wires and cables reliably protected and fixed, greatly reduces the electrical error.

## Regenerative Brakes

/ The latest AC controller, high reliability, with regenerated braking, anti-roll back and adjustable settings, ensures the best performance in the different states. Anti-roll back available as standard to prevent uncontrolled traveled travel speed or roll-back on ramps when loading and unloading.



800 kg capacity



## Reliability

/ Explosion-proof valve installed under lifting cylinder, prevent the mast go down quickly if the oil pipe broken. H shape mast improves the strength of the whole truck. Easy-Touch emergency plug mounted at up-right side on truck frame help operator take immediate action for any emergent happens. The truck switches to low speed mode automatically when lifting higher than 0.5m, more secure.  
/ Sideway battery design of 1.2t for easy battery replacement.

## Options

/ Different fork length      / High battery capacity for different model

### CDD10-W-D

|  |             | Lift Height(mm/in) | Capacity(kg/lb) |
|--|-------------|--------------------|-----------------|
|  | Surport Arm | 210/8.3            | 1800/3968       |
|  | Mast Fork   | 1600/63            | 1000/2205       |
|  | Mast Fork   | 3000/118           | 800/1764        |
|  | Surport Arm | 210/8.3            | 1000/2205       |
|  | Mast Fork   | 1600/63            | 800/1764        |

### CDD12-W-D

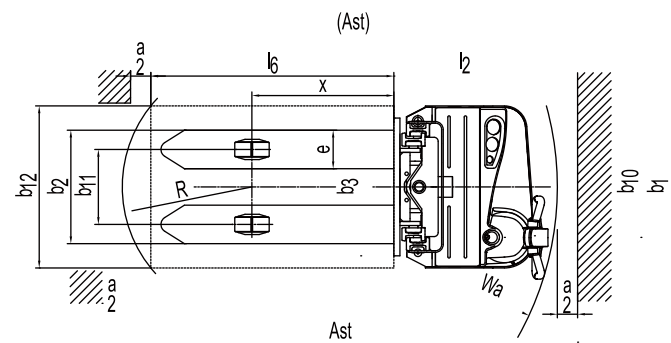
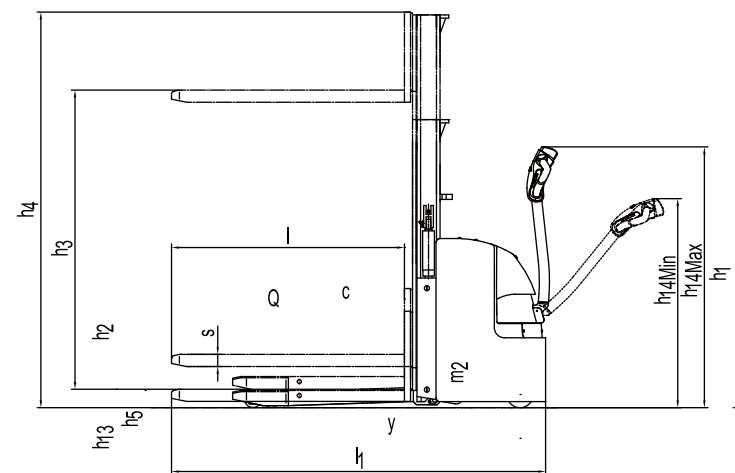
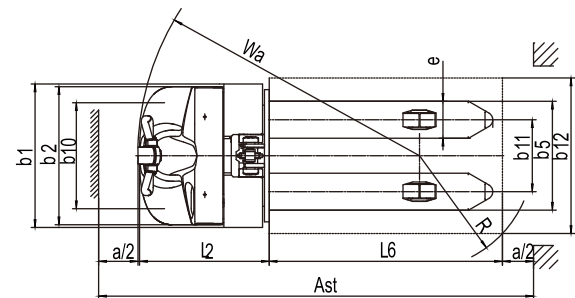
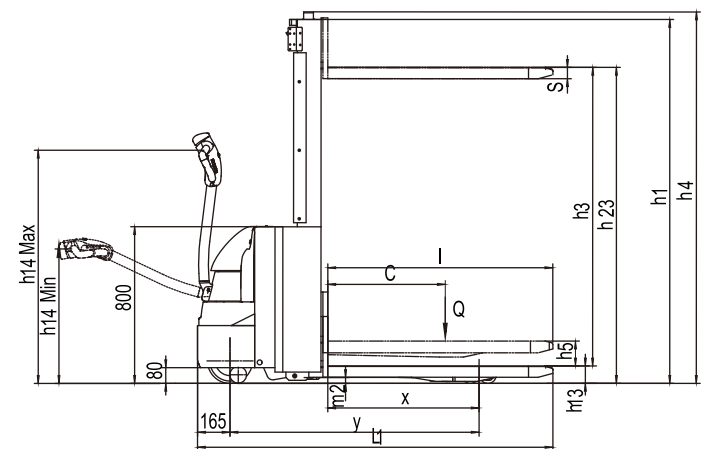
|  |             | Lift Height(mm/in) | Capacity(kg/lb) |
|--|-------------|--------------------|-----------------|
|  | Surport Arm | 210/8.3            | 2000/4409       |
|  | Mast Fork   | 1600/63            | 1200/2646       |
|  | Mast Fork   | 3000/118           | 1000/2205       |
|  | Surport Arm | 210/8.3            | 1000/2205       |
|  | Mast Fork   | 1600/63            | 1000/2205       |

## Electric Stacker With Initial Lift

| Distinguishing marks | 1.1              | Manufacturer                                                    |                              | HANGCHA GROUP CO.,LTD.       |                              |                              |
|----------------------|------------------|-----------------------------------------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|
|                      | 1.2              | Manufacturer's type designation                                 |                              | CDD08-W-D                    | CDD10-W-D                    | CDD12-W-D                    |
|                      | 1.3              | Drive: electric (battery or mains), diesel, petrol, fuel gas    |                              | Electric                     | Electric                     | Electric                     |
|                      | 1.4              | Operator type: hand, pedestrian, standing, seated, order-picker |                              | Pedestrian                   | Pedestrian                   | Pedestrian                   |
|                      | 1.5              | Rated capacity                                                  | Q(kg/lb)                     | 800/1764                     | 1000/2205                    | 1200/2646                    |
|                      |                  | Support arm capacity/fork and support arm capacity              | Q(kg/lb)                     | 2000/4409                    | 1800/3968                    | 2000/4409                    |
|                      | 1.6              | Load center distance                                            | c(mm/in)                     | 600/23.6                     | 600/23.6                     | 600/23.6                     |
|                      | 1.8              | Load distance, centre of drive axle to fork                     | x(mm/in)                     | 813/32.0                     | 701/27.6                     | 701/27.6                     |
|                      | 1.9              | Wheelbase                                                       | y(mm/in)                     | 1275/50.2                    | 1275/50.2                    | 1275/50.2                    |
| Weight               | 2.1              | Service weight (Include battery)                                | kg/lb                        | 660/1455                     | 990/2183                     | 1050/2315                    |
|                      | 2.2              | Axle loading, laden driving side/loading side                   | kg/lb                        | 580/890 (1278/1962)          | 730/1260 (1609/2778)         | 775/1475 (1709/3252)         |
|                      | 2.3              | Axle loading, unladen driving side/loading side                 | kg/lb                        | 450/210 (992/463)            | 680/310 (1499/683)           | 715/335 (1576/739)           |
| Tyres, chassis       | 3.1              | Tyre type Driving wheels/Loading wheels                         |                              | PU/PU                        | PU/PU                        | PU/PU                        |
|                      | 3.2              | Tyre size, driving wheels                                       | mm/in                        | Φ230x75 Φ9.1x3.0             | Φ230x75 Φ9.1x3.0             | Φ230x75 Φ9.1x3.0             |
|                      | 3.3              | Tyre size, loading wheels                                       | mm/in                        | Φ85x70 Φ3.3x2.8              | Φ85x70 Φ3.3x2.8              | Φ85x70 Φ3.3x2.8              |
|                      | 3.4              | Tyre size, caster wheels                                        | mm/in                        | Φ85x48 Φ3.3x1.9              | Ø130×55 Ø5.1×2.2             | Ø130×55 Ø5.1×2.2             |
|                      | 3.5              | Wheels, number driving, caster/loading (x=drive wheels)         | mm/in                        | 1x 2 / 4                     | 1x 1/4                       | 1x 1/4                       |
|                      | 3.6              | Track width, front,driving side                                 | b1o(mm/in)                   | 505/20.0                     | 538/21.2                     | 538/21.2                     |
|                      | 3.7              | Track width,rear,loading side                                   | b11(mm/in)                   | 366/14.4                     | 370/14.6                     | 370/14.6                     |
| Dimensions           | 4.2              | Height, mast lowered                                            | h1(mm/in)                    | 1860/73.2                    | 1265/49.8                    | 1265/49.8                    |
|                      | 4.3              | Free lift                                                       | h2(mm/in)                    | 1680/66.1                    | 100/3.9                      | 100/3.9                      |
|                      | 4.4              | Lift                                                            | h3(mm/in)                    | 1480/58.3                    | 1600/63.0                    | 1600/63.0                    |
|                      |                  | Lift height                                                     | h23(mm/in)                   | 1580/62.2                    | 3000/118.1                   | 3000/118.1                   |
|                      | 4.5              | Height, mast extended                                           | h4(mm/in)                    | 1895/74.6                    | 2119/83.4                    | 2119/83.4                    |
|                      | 4.6              | Initial lift                                                    | h5(mm/in)                    | 120/4.7                      | 125/4.9                      | 125/4.9                      |
|                      | 4.9              | Height drawbar in driving position min./max.                    | h14mm/(in)                   | 715/1200 (28.1/47.2)         | 825/1225 (32.5/48.2)         | 825/1225 (32.5/48.2)         |
|                      | 4.15             | Lowered height                                                  | h13(mm/in)                   | 95/3.7                       | 85/91 (3.3/3.6)              | 85/91 (3.3/3.6)              |
|                      | 4.19             | Overall length                                                  | l1(mm/in)                    | 1776/70.0                    | 1847/72.7                    | 1847/72.7                    |
|                      | 4.20             | Length to face of forks                                         | l2(mm/in)                    | 666/26.2                     | 697/27.4                     | 697/27.4                     |
|                      | 4.21             | Overall width                                                   | b1/b2(mm/in)                 | 738/710 (29.1/28.0)          | 800/31.5                     | 800/31.5                     |
|                      | 4.22             | Fork dimensions                                                 | s/e/l(mm/in)                 | 60/190/1150 2.4/7.5/45.3     | 60/190/1150 2.4/7.5/45.3     | 60/190/1150 2.4/7.5/45.3     |
|                      | 4.24             | Fork carriage width                                             | b3(mm/in)                    | 680/26.8                     | 680/26.8                     | 680/26.8                     |
|                      | 4.25             | Distance between fork-arms                                      | b5(mm/in)                    | 560/22.0                     | 560/22.0                     | 560/22.0                     |
|                      | 4.31             | Ground clearance, laden, below mast                             | m1(mm/in)                    | 30/1.2                       | 30/1.2                       | 30/1.2                       |
|                      | 4.32             | Ground clearance, center of wheelbase                           | m2(mm/in)                    | 30/1.2                       | 30/1.2                       | 30/1.2                       |
|                      | 4.34.1           | Aisle width for pallets 1000 × 1200 crossways                   | As1(mm/in)                   | 2274/89.5                    | 2400/94.5                    | 2400/94.5                    |
|                      | 4.34.2           | Aisle width for pallets 800 × 1200 lengthways                   | As1(mm/in)                   | 2198/86.5                    | 2263/89.1                    | 2263/89.1                    |
|                      | 4.35             | Turning radius                                                  | Wα(mm/in)                    | 1442/56.8                    | 1423/56.0                    | 1423/56.0                    |
|                      | Performance Data | 5.1                                                             | Travel speed, laden/ unladen | km/h mph                     | 5/5.5 3.1/3.4                | 5/5.5 3.1/3.4                |
| 5.2                  |                  | Lifting speed, laden/ unladen                                   | m/s (ft/min)                 | 0.14/0.2 (27.6/39.4)         | 0.1/19.7                     | 0.1/19.7                     |
| 5.3                  |                  | Lowering speed, laden/ unladen                                  | m/s (ft/min)                 | 0.2/0.13 (39.4/25.6)         | 0.19/0.18 (37.4/35.4)        | 0.19/0.18 (37.4/35.4)        |
| 5.8                  |                  | Max. gradeability, laden/unladen                                | %                            | 8/16                         | 8/16                         | 8/16                         |
| 5.10                 |                  | Service brake type                                              |                              | Electromagnetic              | Electromagnetic              | Electromagnetic              |
| Electric-engine      | 6.1              | Drive motor rating S2 60 min                                    | kw/hp                        | 1.27/1.7                     | 1.1/1.5                      | 1.1/1.5                      |
|                      | 6.2              | Lift motor rating at S3 15%                                     | kw/hp                        | 2.2/3.0                      | 2.2/3.0                      | 2.2/3.0                      |
|                      | 6.3              | The maximum allowed size battery                                | mm/in                        | 260×260×180<br>10.2×10.2×7.1 | 788×180×560<br>31.0×7.1×22.0 | 788×180×560<br>31.0×7.1×22.0 |
|                      | 6.4              | Battery voltage/nominal capacity K20                            | V/Ah                         | 4x6V/224                     | 24/160                       | 24/210                       |
|                      | 6.5              | Battery weight                                                  | kg/lb                        | 120 / 265                    | 160 / 353                    | 190 / 419                    |
| Others               | 8.1              | Type of drive unit                                              |                              | AC                           | AC ZAPI                      | AC ZAPI                      |
|                      | 10.5             | Steering type                                                   |                              | Mechanical                   | Mechanical                   | Mechanical                   |
|                      | 10.7             | Sound pressure level at the driver's ear                        |                              | 74                           | 74                           | 74                           |

Remark: The parameters in the table are of the standard model, for more information, please contact us.

The paramaters are subject to change without notice.



## CDD08-W-D

## CDD10(12)-W-D

| Standard mast types (mm) |                                                  |                            |                              |                                            |
|--------------------------|--------------------------------------------------|----------------------------|------------------------------|--------------------------------------------|
| Mast Types               | Height ,<br>mast<br>lowered<br>(h <sub>1</sub> ) | Free lift(h <sub>2</sub> ) | Lift height(h <sub>3</sub> ) | Height ,mast<br>extended (h <sub>4</sub> ) |
| CDD10-W-D<br>CDD12-W-D   | mm/in                                            | mm/in                      | mm/in                        | mm/in                                      |
|                          | 1265/49.8                                        | 100/3.9                    | 1520/59.8                    | 2119/83.4                                  |
|                          | 1820/71.7                                        | 100/3.9                    | 2630/103.5                   | 3229/127.1                                 |
|                          | 1970/77.6                                        | 100/3.9                    | 2930/115.4                   | 3529/138.9                                 |
|                          | 2120/83.5                                        | 100/3.9                    | 3230/127.2                   | 3829/150.7                                 |
|                          | 2270/89.4                                        | 100/3.9                    | 3530/139.0                   | 4129/162.6                                 |





# Introduction

## SDA (Single mast)

Reliable performance with easy maintenance

- / High quality mast steel ensures rigidity, durability.
- / Integral pump, which prevents loosening, leak-proof.
- / High efficiency pump, operating lighter, more comfortable.
- / Lifting speed keeps smooth regardless of loading weight, which is safe to use.



## SDA (Double mast)

- / The stacker can be lifted by handle or foot pedal.
- / Hand control valve precise control convenience.
- / Set the active safety valve to prevent overloading of use.
- / Maintenance-free design, ensures security, reduces service cost.



## 1.0-2.0t Hand Pallet Stacker

| Model                           |                         | SDA1016               | SDA1516               | SDA2016               | SDA1025               | SDA1030               | SDA1525               | SDA1530               |
|---------------------------------|-------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Load capacity/rated load        | Q(kg/lb)                | 1000/2205             | 1500/3307             | 2000/4409             | 1000/2205             | 1000/2205             | 1500/3307             | 1500/3307             |
| Load centre distance            | C(mm/in)                | 500/20                | 400/16                | 400/16                | 500/20                | 500/20                | 400/16                | 400/16                |
| Service weight                  | Kg/lb                   | 250/550               | 270/595               | 290/640               | 290/640               | 316/697               | 310/683               | 336/741               |
| Lowered mast height             | h <sub>1</sub> (mm/in)  | 2080/82               | 2080/82               | 2080/82               | 1830/72               | 2080/82               | 1830/72               | 2080/82               |
| Lifting height                  | h <sub>3</sub> (mm/in)  | 1600/63               | 1600/63               | 1600/63               | 2500/98               | 3000/118              | 2500/98               | 3000/118              |
| Overall height                  | h <sub>4</sub> (mm/in)  | 2080/82               | 2080/82               | 2080/82               | 3080/121              | 3080/121              | 3580/141              | 3580/141              |
| Fork lowered height             | h <sub>13</sub> (mm/in) | 90/3.5                | 90/3.5                | 90/3.5                | 90/3.5                | 90/3.5                | 90/3.5                | 90/3.5                |
| Ground clearance                | m <sub>1</sub> (mm/in)  | 25/1                  | 25/1                  | 25/1                  | 25/1                  | 25/1                  | 25/1                  | 25/1                  |
| Turning radius                  | W <sub>a</sub> (mm/in)  | 1200/47               | 1200/47               | 1200/47               | 1200/47               | 1200/47               | 1200/47               | 1200/47               |
| Lifting speed with/without load | m/s (ft/min)            | 0.010/0.011 (2.0/2.2) | 0.010/0.011 (2.0/2.2) | 0.010/0.011 (2.0/2.2) | 0.010/0.011 (2.0/2.2) | 0.010/0.011 (2.0/2.2) | 0.010/0.011 (2.0/2.2) | 0.010/0.011 (2.0/2.2) |

# Hand Pallet Stacker

with capacities of 1,000 to 2,000kg