

# HELI

## CBD15J/18J/20J-Li2

Lithium Battery Powered Pallet Truck

### Characteristics:

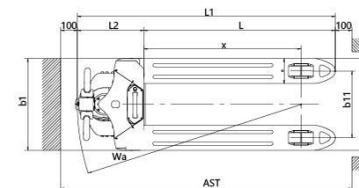
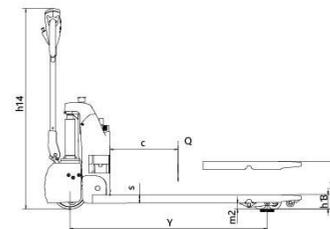
- The truck is simple and dexterous, with small turning radius and small weight. It is suitable for ultra-narrow channel operation.
- The truck has compact and reliable structure. The oil pipeline and line are wrapped in the truck body which is safe and beautiful and convenient for user maintenance.
- The truck adopts integrated handle design integrating key switch and electric meter which is simple and comfortable for operation.
- Hand-held lithium battery makes battery changing easier and more convenient.
- Standard configuration of emergency stop switch and emergency reverse device ensure truck safety.
- The truck is assembled with power-off braking function. The truck is braked as soon as the handle is loosened or pressed to the bottom.
- Electromagnetic braking and motor braking are used to ensure the safety of driving.



## CBD15J/18J/20J-Li2

### Manufacturer's Data and Design Characteristics

| Characteristics   |  | HELI       | HELI                             | HELI                             |                                 |
|-------------------|--|------------|----------------------------------|----------------------------------|---------------------------------|
| 1.1               | Manufacturer                                     | HELI       | HELI                             | HELI                             |                                 |
| 1.2               | Model  | CBD15J-Li2 | CBD18J-Li2                       | CBD20J-Li2                       |                                 |
| 1.3               | Type of operation                                | Pedestrian | Pedestrian                       | Pedestrian                       |                                 |
| 1.4               | Rated capacity                                   | Q (kg)     | 1500                             | 1800                             | 2000                            |
| 1.5               | Lift height                                      | h3 (mm)    | 200                              | 200                              | 200                             |
| 1.6               | Service weight with battery                      | kg         | 138                              | 140                              | 145                             |
| 1.7               | Load centre                                      | c (mm)     | 600                              | 600                              | 600                             |
| 1.8               | Axle centre to fork face                         | x (mm)     | 944                              | 944                              | 944                             |
| 1.9               | Wheel base                                       | y (mm)     | 1184                             | 1184                             | 1184                            |
| 1.10              | Controller                                       |            | CURTIS                           | CURTIS                           | CURTIS                          |
| Wheels            |  |            |                                  |                                  |                                 |
| 2.1               | Wheels type                                      |            | Polyurethane                     | Polyurethane                     | Polyurethane                    |
| 2.2               | Driving wheels size                              | Φ × w (mm) | Φ210 × 70                        | Φ210 × 70                        | Φ210 × 70                       |
| 2.3               | Loading wheels size                              | Φ × w (mm) | Φ80 × 60                         | Φ80 × 60                         | Φ80 × 60                        |
| 2.4               | wheels, number front/rear (x = driven)           |            | 1x/4                             | 1x/4                             | 1x/4                            |
| 2.5               | track width, rear/loading side                   | b11 (mm)   | 400/535                          | 400/535                          | 400/535                         |
| Dimensions        |  |            |                                  |                                  |                                 |
| 3.1               | Overall length                                   | l1 (mm)    | 1543                             | 1543                             | 1543                            |
| 3.2               | Length to fork face                              | l2 (mm)    | 393                              | 393                              | 393                             |
| 3.3               | Overall width                                    | b1 (mm)    | 550/685                          | 550/685                          | 550/685                         |
| 3.4               | Fork dimensions                                  | s/e/l (mm) | 50/150/1150                      | 50/150/1150                      | 50/150/1150                     |
| 3.5               | Width of forks                                   | b5 (mm)    | 550/685                          | 550/685                          | 550/685                         |
| 3.6               | Lowered height                                   | h13 (mm)   | 85                               | 85                               | 85                              |
| 3.7               | Min. Ground clearance                            | m2 (mm)    | 35                               | 35                               | 35                              |
| 3.8               | Height drawbar in driving position min./max.     | h14 (mm)   | 830/1120                         | 830/1120                         | 830/1120                        |
| 3.9               | Aisle width with pallet 1000 x 1200 across forks | Ast (mm)   | 1760                             | 1760                             | 1760                            |
| 3.10              | Aisle width with pallet 800 x 1200 along forks   | Ast (mm)   | 1810                             | 1810                             | 1810                            |
| 3.11              | Min. Turning radius                              | Wa (mm)    | 1355                             | 1355                             | 1355                            |
| Performance       |  |            |                                  |                                  |                                 |
| 4.1               | Travel speed, with/without load                  | (km/h)     | 4.2/4.5                          | 4.2/4.5                          | 4.2/4.5                         |
| 4.2               | Max. Gradeability laden/unladen                  | (%)        | 5/10                             | 4/10                             | 6/10                            |
| 4.3               | Service brake type                               |            | Electromagnetic brake            | Electromagnetic brake            | Electromagnetic brake           |
| Drive and Battery |  |            |                                  |                                  |                                 |
| 5.1               | Drive motor, output s2 60 min.                   | (kW)       | 0.75                             | 0.75                             | 0.75                            |
| 5.2               | Lift motor rating at s3 15%                      | (kW)       | 0.8                              | 0.8                              | 0.8                             |
| 5.3               | Battery according to din 43531/35/36 a,b,c,no    |            | no                               | no                               | no                              |
| 5.4               | Battery voltage/rated capacity                   | (V/Ah)     | 24/28 (Lithium iron phosphate)   | 24/28 (Lithium iron phosphate)   | 48/20 (Lithium iron phosphate)  |
| 5.5               | Battery weight (± 5%)                            | (kg)       | 6.8                              | 6.8                              | 7.5                             |
| 5.6               | Charger specification                            |            | 24V/10A (Lithium iron phosphate) | 24V/10A (Lithium iron phosphate) | 48V/5A (Lithium iron phosphate) |
| Others            |  |            |                                  |                                  |                                 |
| 6.1               | Type of drive control                            |            | DC                               | DC                               | DC                              |
| 6.2               | Sound pressure level at driver's ear             | (dB(A))    | ≤ 70                             | ≤ 70                             | ≤ 70                            |
| 6.3               | Steering type                                    |            | Mechanical steering              | Mechanical steering              | Mechanical steering             |



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