

CL1516SE – CL1535SE (5 MODELS) ELECTRIC STACKER (STANDING ON)

# Electric Stacker.

## 1.5 t, Lift to 3500 mm.

“Permanent magnet drive, built-in charger and a compact mid-drive layout for small-space pallet stacking.”



COMPACT TURNING

I410 mm  
Min. Turning Radius

|                                 |         |
|---------------------------------|---------|
| Aisle, 1000 × 1200 across forks | 2250 mm |
| Aisle, 800 × 1200 along forks   | 2190 mm |
| Overall width                   | 820 mm  |

### 4 Key Specifications

|                                              |                                               |                                                  |                                   |
|----------------------------------------------|-----------------------------------------------|--------------------------------------------------|-----------------------------------|
| Rated Capacity                               | Lift Height                                   | Travel Speed                                     | Lift Motor                        |
| 1.5 t<br><small>(Load centre 600 mm)</small> | 1600–3500 mm<br><small>(h3, by model)</small> | 4.2/4.5 km/h<br><small>(Laden / unladen)</small> | 2.2 kW<br><small>(S3 15%)</small> |

### 6 Product Features

01 Permanent Magnet Drive

Permanent magnet motor drive system: small size, light weight, low loss, high efficiency.

04 High-Power Lift Pump Station

High-power, high-performance pump gives strong, balanced lifting and excellent value.

02 Built-in Charger

Built-in charger for customer convenience.

05 Compact Mid-Drive Design

Reduces working aisle, small turning radius, better vision; suits small spaces.

03 Comfortable Operating Pedal

Pedal with shock absorber beneath absorbs vibration and eases road impact.

06 Maintenance-Free Battery

Replaceable without other tools, for greater convenience.

# Technical Data

## 1 Characteristics

|      |                             | CL1516SE | CL1520SE | CL1525SE   | CL1530SE | CL1535SE |
|------|-----------------------------|----------|----------|------------|----------|----------|
| 1.01 | Model                       |          |          |            |          |          |
| 1.02 | Power unit                  |          |          | Electric   |          |          |
| 1.03 | Operation                   |          |          | Pedestrian |          |          |
| 1.04 | Rated load capacity         |          |          | 1.5        |          |          |
| 1.05 | Load centre                 |          |          | 600        |          |          |
| 1.06 | Axle centre to fork face    |          |          | 780        |          |          |
| 1.07 | Wheelbase                   |          |          | 1200       |          |          |
| 1.08 | Service weight with battery | 550      | 585      | 610        | 635      | 660      |

## 2 Wheels / Tyres

|      |                                        |                      |  |                      |  |  |
|------|----------------------------------------|----------------------|--|----------------------|--|--|
| 2.01 | Wheel type                             |                      |  | Polyurethane         |  |  |
| 2.02 | Driving wheel size                     | $\Phi \times w$ (mm) |  | $\Phi 210 \times 75$ |  |  |
| 2.03 | Bearing wheel size                     | $\Phi \times w$ (mm) |  | $\Phi 80 \times 70$  |  |  |
| 2.04 | Additional wheels (dimensions)         | $\Phi \times w$ (mm) |  | $\Phi 100 \times 40$ |  |  |
| 2.05 | Wheels, number front/rear (x = driven) |                      |  | 1x+2/4               |  |  |
| 2.06 | Track width, drive end                 | b10 (mm)             |  | 592                  |  |  |
| 2.07 | Track width, load end                  | b11 (mm)             |  | 410/535              |  |  |

## 3 Dimensions

|      |                                              |            |      |      |             |      |      |
|------|----------------------------------------------|------------|------|------|-------------|------|------|
| 3.01 | Height of mast, lowered                      | h1 (mm)    | 2006 | 1486 | 1736        | 1986 | 2236 |
| 3.02 | Free lift                                    | h2 (mm)    |      |      | 0           |      |      |
| 3.03 | Lift                                         | h3 (mm)    | 1600 | 2000 | 2500        | 3000 | 3500 |
| 3.04 | Height of mast, extended                     | h4 (mm)    | 2006 | 2443 | 2943        | 3443 | 3943 |
| 3.05 | Overall height (with handle)                 | h14 (mm)   |      |      | 970/1330    |      |      |
| 3.06 | Lowered fork height                          | h13 (mm)   |      |      | 86          |      |      |
| 3.07 | Overall length                               | l1 (mm)    |      |      | 1775        |      |      |
| 3.08 | Length to fork face                          | l2 (mm)    |      |      | 625         |      |      |
| 3.09 | Overall width                                | b1/b2 (mm) |      |      | 820         |      |      |
| 3.10 | Fork dimensions                              | s/c/l (mm) |      |      | 60/160/1150 |      |      |
| 3.11 | Width over forks                             | b5 (mm)    |      |      | 570/695     |      |      |
| 3.12 | Min. ground clearance                        | m2 (mm)    |      |      | 26          |      |      |
| 3.13 | Aisle width, pallet 1000 × 1200 across forks | Ast (mm)   |      |      | 2250        |      |      |
| 3.14 | Aisle width, pallet 800 × 1200 along forks   | Ast (mm)   |      |      | 2190        |      |      |
| 3.15 | Min. turning radius                          | Wa (mm)    |      |      | 1410        |      |      |

## 4 Performance

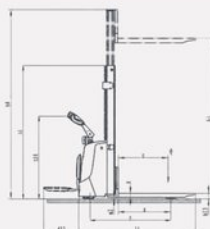
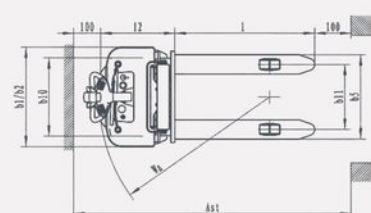
|      |                                          |      |  |  |                 |  |  |
|------|------------------------------------------|------|--|--|-----------------|--|--|
| 4.01 | Travel speed, laden/unladen              | km/h |  |  | 4.2/4.5         |  |  |
| 4.02 | Lifting speed, with/without load         | mm/s |  |  | 85/140          |  |  |
| 4.03 | Lowering speed, with/without load        | mm/s |  |  | 110/90          |  |  |
| 4.04 | Max. climbing ability, with/without load | %    |  |  | 3/10            |  |  |
| 4.05 | Service brake                            |      |  |  | Electromagnetic |  |  |

## 5 Motor / Battery

|      |                                  |      |  |  |            |  |  |
|------|----------------------------------|------|--|--|------------|--|--|
| 5.01 | Drive motor, 60 minute rating    | kW   |  |  | 0.75       |  |  |
| 5.02 | Lift motor rating at S3 15%      | kW   |  |  | 2.2        |  |  |
| 5.03 | Battery voltage / rated capacity | V/Ah |  |  | 2 × 12/120 |  |  |
| 5.04 | Battery weight (± 5%)            | kg   |  |  | 2 × 34     |  |  |

## 6 Others

|      |                               |       |  |  |            |  |  |
|------|-------------------------------|-------|--|--|------------|--|--|
| 6.01 | Type of drive control         |       |  |  | DC         |  |  |
| 6.02 | Noise level at operator's ear | dB(A) |  |  | ≤ 70       |  |  |
| 6.03 | Type of steering              |       |  |  | Mechanical |  |  |



## Dimension Drawings

Symbols correspond to the units column above.