

# PSE06NCB "EDGE"

**Compact lithium-ion electric counterbalance reach truck with a load capacity of 600 kg**



**Optional AGM battery  
(Ref PSE06BCB)**



## INTRODUCTION

The PSE06NCB can be used in confined spaces thanks to its compact design and small turning circle.

## // ADVANTAGES

- Ultra-compact, robust, lightweight and innovative design
- Versatile application
- Start-up via PIN code and RFID card
- Driving mode with vertical drawbar
- Fast-charging lithium battery
- Automatic speed reduction when cornering



### Steel bonnet

The main bonnet is made of 1.5 mm thick steel.

## 6. Electric stackers

### LONG, MULTIFUNCTIONAL TILLER

The PSE06NCB stacker features a multifunctional tiller. Thanks to CAN-BUS technology for lifting, operation is simpler and more efficient. CAN-BUS technology improves the

reliability of the stacker. The tiller has a built-in locking function. It is fitted with a display showing power and operating time, making it more convenient to use.

It is also fitted with an emergency stop button and speed control paddles, which make operating the stacker safer.



### ROBUST CHASSIS WITH AN INNOVATIVE DESIGN

Thanks to its highly compact design, it can operate in confined spaces with a small turning circle and narrow passage width.

A narrow chassis that provides a wider view of the goods' positioning.



### ERGONOMICS AND SAFETY OF THE LONG TILLER

Whilst working efficiently, the long tiller design keeps the operator at a safe distance.

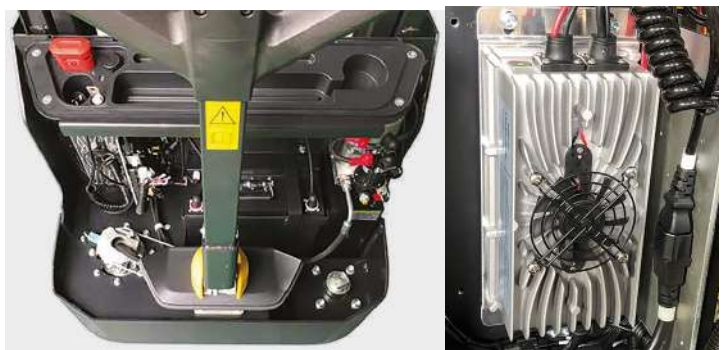
The safety distance and clear visibility make stacking operations more efficient and faster.

### EASY MAINTENANCE

Quick and easy access to any component of the stacker; no parts are located in hard-to-reach areas. No special tools are required.

#### Integrated loader

The integrated loader configuration makes the stacker more self-sufficient and extends its range of operation.



| Stockman reference  | Mast           | Lowered mast height h1 (mm) | Free lift h2 (mm) | Standard lift h3 (mm) | Mast height when extended h4 (mm) | Weight (kg) |
|---------------------|----------------|-----------------------------|-------------------|-----------------------|-----------------------------------|-------------|
| <b>PSE06NCB</b>     |                |                             |                   |                       |                                   |             |
| <b>PSE06NCB1600</b> | <b>Simplex</b> | 1960                        | 1505              | 1505                  | 2065                              | 1080        |
| <b>PSE06NCB2600</b> | <b>Duplex</b>  | 1820                        | 0                 | 2535                  | 3095                              | 1155        |
| <b>PSE06NCB2900</b> |                | 1960                        | 0                 | 2835                  | 3395                              | 1165        |
| <b>PSE06NCB3200</b> |                | 2110                        | 0                 | 3135                  | 3695                              | 1175        |

| Technical specifications in accordance with VDI 2198 |      |                                                              |                                     |                                                         |
|------------------------------------------------------|------|--------------------------------------------------------------|-------------------------------------|---------------------------------------------------------|
| Specifications                                       | 1.2  | Part number - Model                                          |                                     | PSE06NCB1600    PSE06NCB2600                            |
|                                                      | 1.3  | Drive type                                                   |                                     | electric                                                |
|                                                      | 1.4  | Type of driving                                              |                                     | accompanying                                            |
|                                                      | 1.5  | Rated capacity                                               | <i>Q (t)</i>                        | 0.6    0.6                                              |
|                                                      | 1.6  | Centre of gravity                                            | <i>c (mm)</i>                       | 500    500                                              |
|                                                      | 1.8  | Distance from the deck to the roller centreline              | <i>x (mm)</i>                       | 110    110                                              |
|                                                      | 1.9  | Wheelbase                                                    | <i>y (mm)</i>                       | 845    845                                              |
| Weight                                               | 2.1  | Weight with batteries                                        | <i>kg</i>                           | 1080    1155                                            |
|                                                      | 2.2  | Axle load with front/rear load                               | <i>kg</i>                           | 560 / 1260    560 / 1260                                |
|                                                      | 2.3  | Axle load without front/rear load                            | <i>kg</i>                           | 740 / 435    740 / 435                                  |
| Wheels Chassis                                       | 3.1  | Wheels                                                       |                                     | polyurethane (PU)                                       |
|                                                      | 3.2  | Drive wheel dimensions                                       | $\varnothing \times w \text{ (mm)}$ | $\varnothing 230 \times 75$ $\varnothing 230 \times 75$ |
|                                                      | 3.3  | Front roller dimensions                                      | $\varnothing \times w \text{ (mm)}$ | $\varnothing 84 \times 70$ $\varnothing 84 \times 70$   |
|                                                      | 3.5  | Number of front/rear wheels (x = drive wheel)                |                                     | 1 x / 4    1 x / 4                                      |
|                                                      | 3.6  | Wheelbase                                                    | <i>b10 (mm)</i>                     | 0    0                                                  |
|                                                      | 3.7  | Rear wheel track                                             | <i>b11 (mm)</i>                     | 602    602                                              |
| Dimensions                                           | 4.2  | Height with mast lowered                                     | <i>h1 (mm)</i>                      | 1960    1820                                            |
|                                                      | 4.3  | Free lift                                                    | <i>h2 (mm)</i>                      | 1505    0                                               |
|                                                      | 4.4  | Standard stroke                                              | <i>h3 (mm)</i>                      | 1505    2535                                            |
|                                                      | 4.5  | Extended mast height                                         | <i>h4 (mm)</i>                      | 2065    3095                                            |
|                                                      | 4.9  | Drawbar height in minimum/maximum driving position           | <i>h14 (mm)</i>                     | 750 / 1165    750 / 1165                                |
|                                                      | 4.15 | Minimum fork height                                          | <i>h13 (mm)</i>                     | 65    65                                                |
|                                                      | 4.19 | Overall length                                               | <i>l1 (mm)</i>                      | 2165    2165                                            |
|                                                      | 4.20 | Length without forks                                         | <i>l2 (mm)</i>                      | 1245    1245                                            |
|                                                      | 4.21 | Overall width                                                | <i>b1 (mm)</i>                      | 802    802                                              |
|                                                      | 4.22 | Fork dimensions                                              | <i>s / e / l (mm)</i>               | 35 / 100 / 920    35 / 100 / 920                        |
|                                                      | 4.25 | Outer fork width                                             | <i>b5 (mm)</i>                      | 252–700    252–700                                      |
|                                                      | 4.32 | Ground clearance                                             | <i>m2 (mm)</i>                      | 55    55                                                |
|                                                      | 4.33 | Aisle width with 1000 x 1200 mm pallet across                | <i>Ast (mm)</i>                     | 2630    2630                                            |
|                                                      | 4.34 | Aisle width with 800 x 1200 mm pallet placed lengthways      | <i>Ast (mm)</i>                     | 2740    2740                                            |
|                                                      | 4.35 | Turning radius                                               | <i>Wa (mm)</i>                      | 1175    1175                                            |
| Performance                                          | 5.1  | Travel speed without / with load                             | <i>km/h</i>                         | 4.5    4.5                                              |
|                                                      | 5.2  | Lifting speed without / with load                            | <i>mm/s</i>                         | 140 / 110    140 / 110                                  |
|                                                      | 5.3  | Lowering speed without / with load                           | <i>mm/s</i>                         | 110 / 130    110 / 130                                  |
|                                                      | 5.8  | Permissible gradient without / with load                     | %                                   | 8 / 5    8 / 5                                          |
|                                                      | 5.10 | Service brake                                                |                                     | electromagnetic                                         |
| Electrical system                                    | 6.1  | Traction motor, S2 power rating for 60 minutes               | <i>kW</i>                           | 0.75    0.75                                            |
|                                                      | 6.2  | Lifting motor, S3 power rating 10 %                          | <i>kW</i>                           | 2.2    2.2                                              |
|                                                      | 6.3  | Batteries in accordance with DIN 43531 / 35 / 36 A, B, C, No |                                     | -    -                                                  |
|                                                      | 6.4  | Battery voltage / rated capacity K5                          | <i>V / Ah</i>                       | 24 / 60    24 / 60                                      |
|                                                      | 6.5  | Battery weight                                               | <i>kg</i>                           | 17    17                                                |
|                                                      | 6.6  | Energy consumption according to VDI cycle                    | <i>kWh/h</i>                        | 0.8    0.8                                              |
| Miscellaneous                                        | 8.1  | Transmission type                                            |                                     | DC    DC                                                |
|                                                      | 8.4  | Noise level at the driver's ear in accordance with EN 12053  | <i>dB (A)</i>                       | < 70    < 70                                            |

| Technical specifications in accordance with VDI 2198 |      |                                                              |                             |                                               |
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|                                                      | 1.3  | Drive type                                                   |                             | electric                                      |
|                                                      | 1.4  | Type of driving                                              |                             | accompanying                                  |
|                                                      | 1.5  | Rated capacity                                               | $Q$ (t)                     | 0.6 0.6                                       |
|                                                      | 1.6  | Centre of gravity                                            | $c$ (mm)                    | 500 500                                       |
|                                                      | 1.8  | Distance from the deck to the roller centreline              | $x$ (mm)                    | 110 110                                       |
|                                                      | 1.9  | Wheelbase                                                    | $y$ (mm)                    | 845 845                                       |
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|                                                      | 5.2  | Lifting speed without / with load                            | mm/s                        | 140 / 110 140 / 110                           |
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|                                                      | 6.3  | Batteries in accordance with DIN 43531 / 35 / 36 A, B, C, No |                             | - -                                           |
|                                                      | 6.4  | Battery voltage / nominal capacity K5                        | V / Ah                      | 24 / 60 24 / 60                               |
|                                                      | 6.5  | Battery weight                                               | kg                          | 17 17                                         |
|                                                      | 6.6  | Energy consumption according to VDI cycle                    | kWh/h                       | 0.8 0.8                                       |
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