

# Pedestrian stacker truck 1.0 ton



**BT staxio**

*W-series*

SWE100



# Pedestrian stacker

| Specification for stacker trucks |   |   |                                  |      | SWE100                          |
|----------------------------------|---|---|----------------------------------|------|---------------------------------|
| Identification                   | 1.1   | Manufacturer  |                                  |      | Toyota                          |
|                                  | 1.2   | Model   |                                  |      | SWE100                          |
|                                  | 1.3   | Drive   |                                  |      | Electric                        |
|                                  | 1.4   | Operator type   |                                  |      | Pedestrian                      |
|                                  | 1.5   | Load capacity/rated load                                    | Q                                | kg   | 1000                            |
|                                  | 1.6   | Load centre   | c                                | mm   | 600                             |
|                                  | 1.8   | Load distance, centre of support arm wheel to face of forks | x                                | mm   | 657                             |
|                                  | 1.9   | Wheelbase   | y                                | mm   | 1190                            |
|                                  | Weight                                      | 2.1   | Service weight including battery |      | kg                              |
| 2.2                              |   | Axle load, with load, drive/castor/support arm wheel        |                                  | kg   | 350/280/1185                    |
| 2.3                              |   | Axle load, without load, drive/castor/support arm wheel     |                                  | kg   | 350/230/235                     |
| Wheels                           | 3.1   | Drive/castor/fork wheel                                     |                                  |      | Friction/Vulkollan/Vulkollan *) |
|                                  | 3.2   | Wheel size, front   |                                  | mm   | Ø230x70                         |
|                                  | 3.3   | Wheel size, rear  |                                  | mm   | Ø85x95                          |
|                                  | 3.4   | Additional wheels (dimensions)                              |                                  | mm   | Ø125x50                         |
|                                  | 3.5   | Wheels, number front/rear (x=driven wheels)                 |                                  |      | 1x+2/2                          |
|                                  | 3.6   | Track width, front  | b <sub>10</sub>                  | mm   | 550                             |
|                                  | 3.7   | Track width, rear   | b <sub>11</sub>                  | mm   | 390                             |
| Dimensions                       | 4.2   | Height, mast lowered  | h <sub>1</sub>                   | mm   | 2151 *)                         |
|                                  | 4.3   | Free lift   | h <sub>2</sub>                   | mm   | 166 *)                          |
|                                  | 4.4   | Lift  | h <sub>3</sub>                   | mm   | 3210 *)                         |
|                                  |   | Lift height   | h <sub>23</sub>                  | mm   | 3300 *)                         |
|                                  | 4.5   | Height, mast extended                                       | h <sub>4</sub>                   | mm   | 3720 *)                         |
|                                  | 4.8   | Stand height (optional platform)                            | h <sub>7</sub>                   | mm   | 150                             |
|                                  | 4.9   | Height of tiller in drive position, min./max.               | h <sub>14</sub>                  | mm   | 865/1235                        |
|                                  | 4.15  | Height, fork lowered  | h <sub>13</sub>                  | mm   | 90                              |
|                                  | 4.19  | Overall length  | l <sub>1</sub>                   | mm   | 1831                            |
|                                  | 4.20  | Length to face of forks                                     | l <sub>2</sub>                   | mm   | 683                             |
|                                  | 4.21  | Overall width   | b <sub>1</sub>                   | mm   | 770                             |
|                                  | 4.22  | Fork dimensions   | s/e/l                            | mm   | 60/180/1150 *)                  |
|                                  | 4.24  | Fork-carriage width   | b <sub>3</sub>                   | mm   | 674                             |
|                                  | 4.25  | Width over forks  | b <sub>5</sub>                   | mm   | 570 *)                          |
|                                  | 4.31  | Ground clearance, with load, below mast                     | m <sub>1</sub>                   | mm   | 27                              |
|                                  | 4.32  | Ground clearance, centre of wheelbase                       | m <sub>2</sub>                   | mm   | 27                              |
| 4.33                             | Aisle width for pallets 1000x1200 crossways | A <sub>st</sub>   | mm                               | 2231 |                                 |
| 4.34                             | Aisle width for pallets 800x1200 lengthways | A <sub>st</sub>   | mm                               | 2214 |                                 |
| 4.35                             | Turning radius                              | W <sub>a</sub>  | mm                               | 1340 |                                 |
| Performance data                 | 5.1   | Travel speed, with/without load                             |                                  | km/h | 6/6                             |
|                                  | 5.2   | Lift speed, with/without load                               |                                  | m/s  | 0.14/0.28                       |
|                                  | 5.3   | Lowering speed, with/without load                           |                                  | m/s  | 0.38/0.38                       |
|                                  | 5.8   | Max. gradeability, with/without load <sup>2)</sup>          |                                  | %    | 8/12 <sup>1)</sup>              |
|                                  | 5.10  | Service brake   |                                  |      | Electromagnetic                 |
| Electric motor                   | 6.1   | Drive motor rating S2 60 min                                |                                  | kW   | 1.0                             |
|                                  | 6.2   | Lift motor rating at S3 15%                                 |                                  | kW   | 2.2 <sup>2)</sup>               |
|                                  | 6.4   | Battery voltage/nominal capacity K <sub>s</sub>             |                                  | V/Ah | 24/150 *)                       |
|                                  | 6.5   | Battery weight  |                                  | kg   | 163 *)                          |
| Others                           | 8.1   | Type of drive control                                       |                                  |      | BT Powerdrive                   |

<sup>1)</sup> Measured according to company standard

<sup>2)</sup> S3 6%

\*) Further alternatives are available and will produce other values.

Data is based on standard configurations: Small battery compartment, h<sub>23</sub> = 3300 mm Duplex Tele mast.

Truck performance and dimensions are nominal and subject to tolerances.

BT Products AB products and specifications are subject to change without notice.



---

## Truck features:

- BT Powerdrive System
- Fingertip controls
- Electronic braking system
- Electronic speed control
- Operator safety
- Storage compartments
- Automatic switch-off
- Click-2-creep
- Programmable performance
- Easy access for maintenance
- Built in charger (option)
- Flip-up operator platform (option)
- Toyota I\_site: truck fleet management system (option)
- Hydraulic oil for low temperatures (option)

