

# Pedestrian stacker truck 0.8 ton



**BT staxio**  
*W-series*  
**SWE080L**



# Pedestrian stacker with elevating support arms

| Specification for stacker trucks |        |   |                 |       |  | SWE080L            |
|----------------------------------|--------|---|-----------------|-------|--|--------------------|
| Identification                   | 1.1    | Manufacturer  |                 |       |  | Toyota             |
|                                  | 1.2    | Model   |                 |       |  | SWE080L            |
|                                  | 1.3    | Drive   |                 |       |  | Electric           |
|                                  | 1.4    | Operator type   |                 |       |  | Pedestrian         |
|                                  | 1.5    | Load capacity/rated load  | Q               | kg    |  | 800                |
|                                  |        | Support arm capacity/fork and support arm capacity  | Q               | kg    |  | 2000/—             |
|                                  | 1.6    | Load centre   | c               | mm    |  | 600                |
|                                  | 1.8    | Load distance, centre of support arm wheel to face of forks (support arms raised/lowered) | x               | mm    |  | 815/874            |
|                                  | 1.9    | Wheelbase (support arms raised/lowered)   | y               | mm    |  | 1293/1352          |
| Weight                           | 2.1    | Service weight including battery  |                 | kg    |  | 679                |
|                                  | 2.2    | Axle load, with load, drive/castor/fork wheel   |                 | kg    |  | 525/150/830        |
|                                  | 2.3    | Axle load, without load, drive/castor/fork wheel  |                 | kg    |  | 375/150/180        |
| Wheels                           | 3.1    | Drive/castor/fork wheel   |                 |       |  | Polyurethane       |
|                                  | 3.2    | Wheel size, front   |                 | mm    |  | Ø230x70            |
|                                  | 3.3    | Wheel size, rear  |                 | mm    |  | Ø85x74             |
|                                  | 3.4    | Additional wheels (dimensions)  |                 | mm    |  | Ø125x50            |
|                                  | 3.5    | Wheels, number front/rear (x = driven wheels)   |                 |       |  | 1x+2/4             |
|                                  | 3.6    | Track width, front  | b <sub>10</sub> | mm    |  | 430                |
|                                  | 3.7    | Track width, rear   | b <sub>11</sub> | mm    |  | 390                |
| Dimensions                       | 4.2    | Height, mast lowered  | h <sub>1</sub>  | mm    |  | 1863 *)            |
|                                  | 4.3    | Free lift   | h <sub>2</sub>  | mm    |  | 1490 *)            |
|                                  | 4.4    | Lift  | h <sub>3</sub>  | mm    |  | 1490 *)            |
|                                  |        | Lift height   | h <sub>23</sub> | mm    |  | 1580 *)            |
|                                  | 4.5    | Height, mast extended   | h <sub>4</sub>  | mm    |  | 1863 *)            |
|                                  | 4.6    | Initial lift  | h <sub>5</sub>  | mm    |  | 120                |
|                                  | 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    |  | 1777               |
|                                  | 4.20   | Length to face of forks   | l <sub>2</sub>  | mm    |  | 627                |
|                                  | 4.21   | Overall width   | b <sub>1</sub>  | mm    |  | 726                |
|                                  | 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 (forks raised/lowered)                            | m <sub>1</sub>  | mm    |  | 145/25             |
|                                  | 4.32   | Ground clearance, centre of wheelbase (forks raised/lowered)                              | m <sub>2</sub>  | mm    |  | 145/25             |
|                                  | 4.34.1 | Aisle width for pallets 1000x1200 crossways   | A <sub>st</sub> | mm    |  | 2256               |
|                                  | 4.34.2 | Aisle width for pallets 800x1200 lengthways   | A <sub>st</sub> | mm    |  | 2159               |
|                                  | 4.35   | Turning radius  | W <sub>a</sub>  | mm    |  | 1442               |
| Performance data                 | 5.1    | Travel speed, with/without load   |                 | km/h  |  | 6/6                |
|                                  | 5.2    | Lift speed, with/without load   |                 | m/s   |  | 0.14/0.21          |
|                                  | 5.3    | Lowering speed, with/without load   |                 | m/s   |  | 0.29/0.20          |
|                                  | 5.8    | Max. gradeability, with/without load  |                 | %     |  | 9/18 <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    |  | 2.0 <sup>2)</sup>  |
|                                  | 6.4    | Battery voltage/nominal capacity K <sub>s</sub>   |                 | V/Ah  |  | 2x12/180 *)        |
|                                  | 6.5    | Battery weight  |                 | kg    |  | 2x92 <sup>1)</sup> |
|                                  | 6.6    | Energy consumption according to VDI cycle   |                 | kWh/h |  | 0,49               |
|                                  |        | Energy consumption acc. to EN16796  |                 | kWh/h |  | 0,42               |
|                                  | 6.7    | Turnover output   |                 | t/h   |  | 36,9               |
|                                  | 6.8    | Energy consumption at turnover output   |                 | kWh/h |  | 0,81               |
| Others                           | 8.1    | Type of drive control   |                 |       |  | Variable AC        |
|                                  | 10.7   | Sound level at the driver's ear according to EN12053                                      |                 | dB(A) |  | 70                 |

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

<sup>2)</sup> S3 7%

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

Data is based on standard configurations: h<sub>23</sub> = 1580 mm Mono mast.

All data are based on table configuration. Other configurations may give other values.

Truck performance and dimensions are nominal and subject to tolerances.

Products and specifications are subject to change without notice.

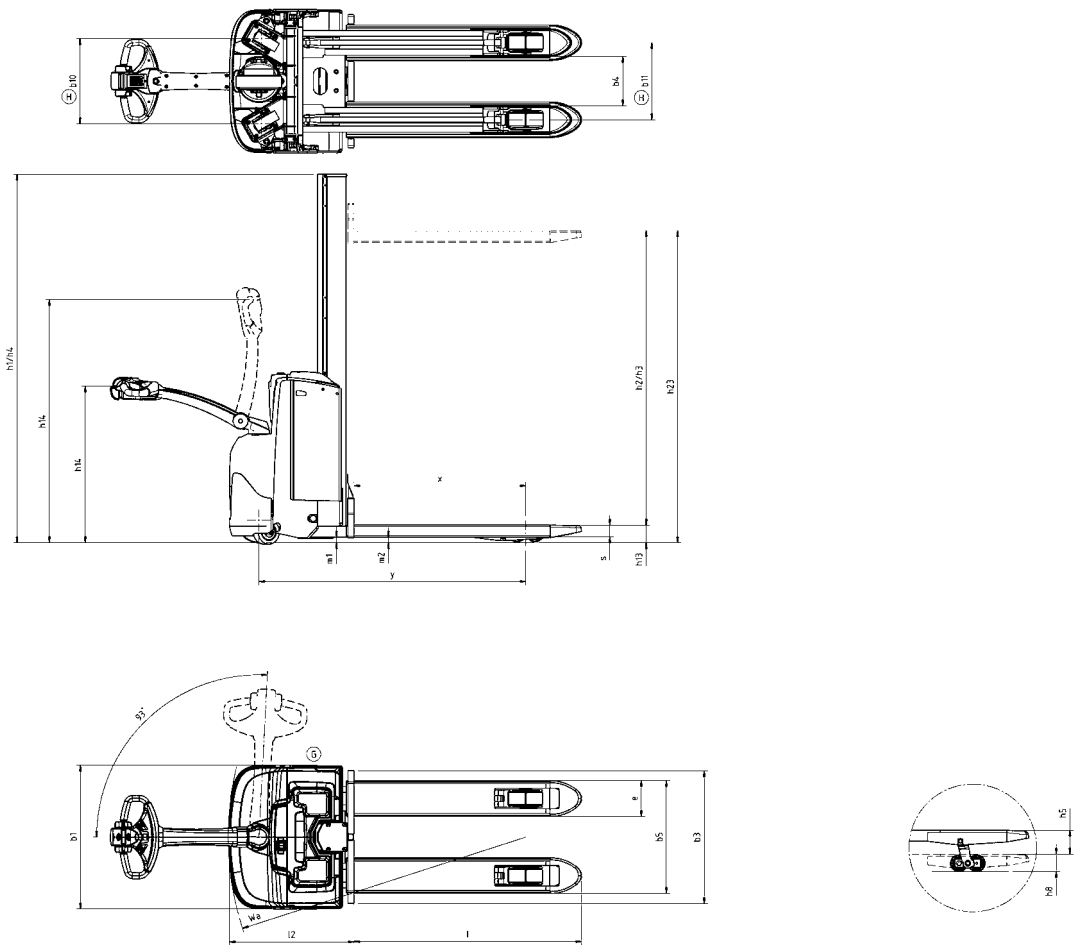
# Battery dependent dimensions

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| Dimensions |   | SWE080L             |      |             |           |
|------------|---|---------------------|------|-------------|-----------|
|            |   | Battery type        |      | Lead/Acid   | Li-Ion    |
|            |   | Battery compartment |      | Medium      | Medium    |
| 1.9        | Wheelbase, support arms raised/lowered      | y                   | mm   | 1293/1352   | 1293/1352 |
| 2.1        | Service weight including battery            |                     | kg   | 679         | 567       |
| 4.19       | Overall length                              | $l_1$               | mm   | 1777        | 1777      |
| 4.20       | Length to face of forks                     | $l_2$               | mm   | 627         | 627       |
| 4.34.1     | Aisle width for pallets 1000x1200 crossways | $A_{st}$            | mm   | 2256        | 2256      |
| 4.34.2     | Aisle width for pallets 800x1200 lengthways | $A_{st}$            | mm   | 2159        | 2159      |
| 4.35       | Turning radius, forks raised                | $W_a$               | mm   | 1442        | 1442      |
| 6.4        | Battery voltage, nominal capacity           | $K_5$               | V/Ah | 24/180, 230 | 24/105    |
| 6.5        | Battery weight, nominal                     |                     | kg   | 184, 196    | 69        |
|            | Battery weight, min.—max.                   |                     | kg   | 169 - 221   | 62 - 76   |

# Mast dimensions

| SWE080L  |                                   |    | Mono |      |      |
|----------|-----------------------------------|----|------|------|------|
| $h_{23}$ | Lift height ( $h_{13}+h_3$ )      | mm | 600  | 1060 | 1580 |
| $h_3$    | Lift                              | mm | 510  | 970  | 1490 |
| $h_1$    | Height, mast lowered              | mm | 908  | 1368 | 1863 |
| $h_2$    | Free lift, ground to top of forks | mm | 510  | 970  | 1490 |
| $h_4$    | Height, mast extended             | mm | 908  | 1368 | 1863 |



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## Truck features:

- BT Powerdrive System
- Castorlink 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)
- Toyota I\_site: truck fleet management system (option)
- Hydraulic oil for low temperatures (option)

