

# Pedestrian stacker truck 0.8 ton

## BT staxio SWE080L



# Pedestrian stacker with elevating support arms

| Specification for stacker trucks |   |   |          |      | SWE080L                              |
|----------------------------------|---|---|----------|------|--------------------------------------|
| Identification                   | 1.1   | Manufacturer  |          |      | BT                                   |
|                                  | 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 | x        | mm   | 874                                  |
|                                  | 1.9   | Wheelbase   | y        | mm   | 1293                                 |
| 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                                     |          |      | Powerfriction/Vulkollan/Vulkollan *) |
|                                  | 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  | $b_{10}$ | mm   | 430                                  |
|                                  | 3.7   | Track width, rear   | $b_{11}$ | mm   | 390                                  |
| Dimensions                       | 4.2   | Height, mast lowered  | $h_1$    | mm   | 1863 *)                              |
|                                  | 4.3   | Free lift   | $h_2$    | mm   | 1580 *)                              |
|                                  | 4.4   | Lift  | $h_3$    | mm   | 1490 *)                              |
|                                  |   | Lift height   | $h_{23}$ | mm   | 1580 *)                              |
|                                  | 4.5   | Height, mast extended                                       | $h_4$    | mm   | 1863 *)                              |
|                                  | 4.6   | Initial lift  | $h_5$    | mm   | 120                                  |
|                                  | 4.9   | Height of tiller in drive position, min./max.               | $h_{14}$ | mm   | 865/1235                             |
|                                  | 4.15  | Height, fork lowered  | $h_{13}$ | mm   | 90                                   |
|                                  | 4.19  | Overall length  | $l_1$    | mm   | 1777                                 |
|                                  | 4.20  | Length to face of forks                                     | $l_2$    | mm   | 628                                  |
|                                  | 4.21  | Overall width   | $b_1$    | mm   | 726                                  |
|                                  | 4.22  | Fork dimensions   | s/e/l    | mm   | 60/180/1150 *)                       |
|                                  | 4.24  | Fork-carriage width   | $b_3$    | mm   | 674                                  |
|                                  | 4.25  | Width over forks  | $b_5$    | mm   | 570 *)                               |
|                                  | 4.31  | Ground clearance, with load, below mast                     | $m_1$    | mm   | 25                                   |
|                                  | 4.32  | Ground clearance, centre of wheelbase                       | $m_2$    | mm   | 25                                   |
|                                  | 4.33  | Aisle width for pallets 1000x1200 crossways                 | $A_{st}$ | mm   | 2256                                 |
| 4.34                             | Aisle width for pallets 800x1200 lengthways | $A_{st}$  | mm       | 2159 |                                      |
| 4.35                             | Turning radius                              | $W_a$   | mm       | 1443 |                                      |
| 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 $K_s$                      |          | V/Ah | 2x12/180 *)                          |
|                                  | 6.5   | Battery weight  |          | kg   | 2x109 *)                             |
| Others                           | 8.1   | Type of drive control                                       |          |      | BT Powerdrive                        |

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

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

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

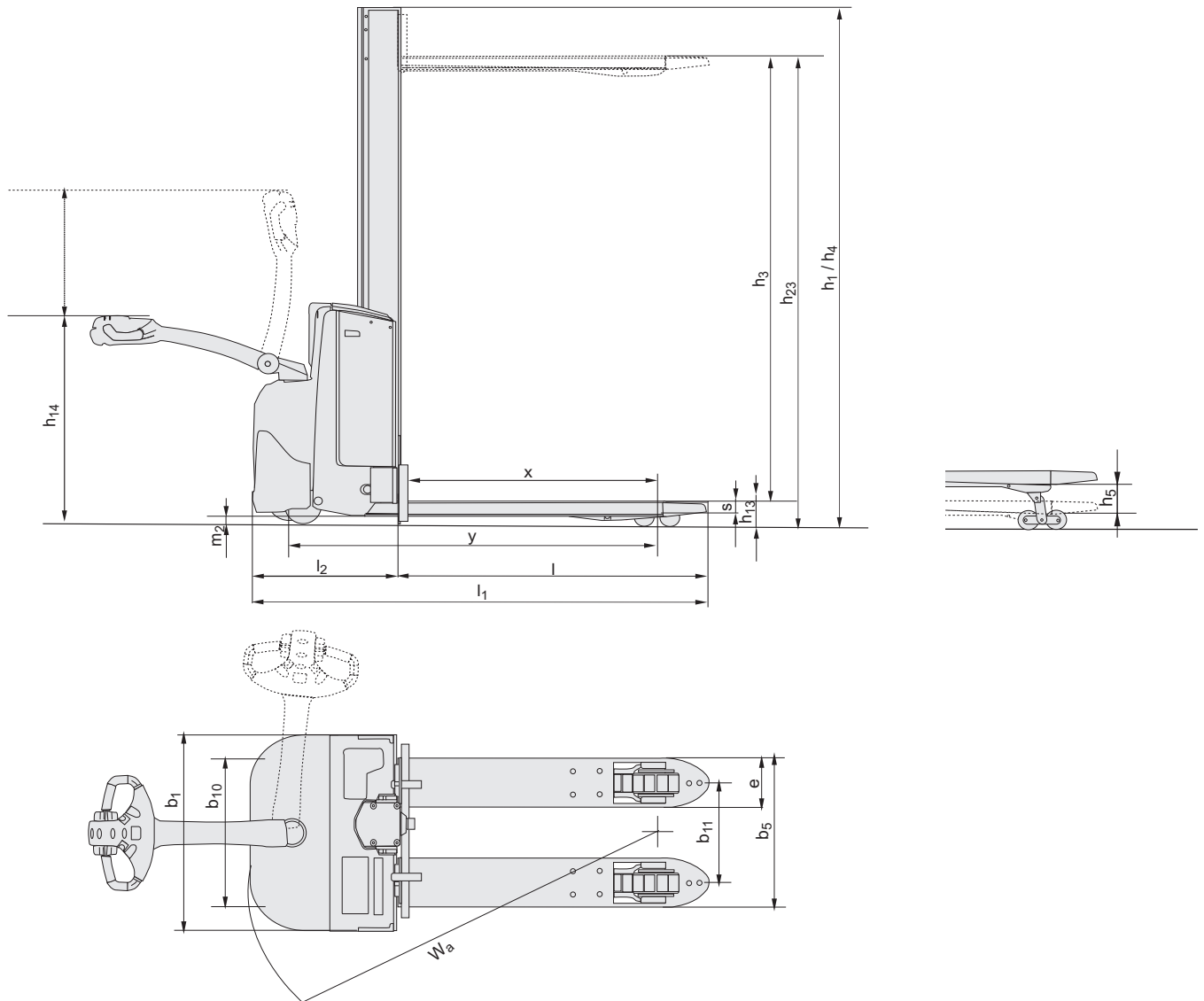
Data is based on standard configurations:  $h_{23}$  = 1580 mm Mono mast.

Truck performance and dimensions are nominal and subject to tolerances.  
BT Products AB products and specifications are subject to change without notice.

# Mast dimensions

# BT staxio

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



## 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)

