

# Pedestrian reach stacker truck 1.2 ton

**BT staxio**

*P-series*

RWE120



# Pedestrian reach stacker

| Specification for stacker trucks |   |  |                |      | RWE120               |
|----------------------------------|---|--|----------------|------|----------------------|
| Identification                   | 1.1   | Manufacturer   |                |      | BT                   |
|                                  | 1.2   | Model  |                |      | RWE120               |
|                                  | 1.3   | Drive  |                |      | Electric             |
|                                  | 1.4   | Operator type  |                |      | Pedestrian           |
|                                  | 1.5   | Load capacity/rated load                                     | Q              | kg   | 1200                 |
|                                  | 1.6   | Load centre  | c              | mm   | 600                  |
|                                  | 1.8   | Load distance, centre of support arm wheel to face of forks  | x              | mm   | 640 <sup>1)</sup>    |
| Weight                           | 2.1   | Service weight including battery                             |                | kg   | 1575                 |
|                                  | 2.4   | Axle load, mast extended with load, drive/support arm wheel  |                | kg   | 250/2522             |
|                                  | 2.5   | Axle load, mast retracted with load, drive/support arm wheel |                | kg   | 1186/1587            |
| Wheels                           | 3.1   | Drive/support arm wheels                                     |                |      | Vulkollan/Vulkollan  |
|                                  | 3.2   | Wheel size, front  |                | mm   | Ø 215                |
|                                  | 3.3   | Wheel size, rear   |                | mm   | Ø 140x60             |
|                                  | 3.4   | Additional wheels (dimensions)                               |                | mm   | Ø 85x75              |
|                                  | 3.5   | Wheels, number front/rear (x=driven wheels)                  |                |      | 1x+2/2               |
| Dimensions                       | 4.1   | Tilt of fork, forward/backward                               | $\alpha/\beta$ | deg  | 1,3/1,6              |
|                                  | 4.2   | Height, mast lowered   | $h_1$          | mm   | 1765                 |
|                                  | 4.3   | Free lift  | $h_2$          | mm   | 1291                 |
|                                  | 4.4   | Lift   | $h_3$          | mm   | 3560                 |
|                                  |   | Lift height  | $h_{23}$       | mm   | 3600                 |
|                                  | 4.5   | Height, mast extended  | $h_4$          | mm   | 4120                 |
|                                  | 4.8   | Stand height (optional platform)                             | $h_7$          | mm   | 230                  |
|                                  | 4.9   | Height of tiller in drive position, min./max.                | $h_{14}$       | mm   | 1525/1295            |
|                                  | 4.15  | Height, fork lowered   | $h_{13}$       | mm   | 40                   |
|                                  | 4.19  | Overall length   | $l_1$          | mm   | 2175                 |
|                                  | 4.20  | Length to face of forks                                      | $l_2$          | mm   | 1025                 |
|                                  | 4.21  | Overall width  | $b_1$          | mm   | 850                  |
|                                  | 4.22  | Fork dimensions  | s/e/l          | mm   | 40/100/1150          |
|                                  | 4.25  | Width over forks, min./max.                                  | $b_5$          | mm   | 250-620/250-773      |
|                                  | 4.31  | Ground clearance, with load, below mast                      | $m_1$          | mm   | 45                   |
| 4.34                             | Aisle width for pallets 800x1200 lengthways | $A_{st}$   | mm             | 2570 |                      |
| 4.35                             | Turning radius                              | $W_a$  | mm             | 1680 |                      |
| Performance data                 | 5.1   | Travel speed, with/without load                              |                | km/h | 5,0/6,0              |
|                                  | 5.2   | Lift speed, with/without load <sup>2)</sup>                  |                | m/s  | 0,15/0,24            |
|                                  | 5.3   | Lowering speed, with/without load <sup>2)</sup>              |                | m/s  | 0,50/0,40            |
|                                  | 5.8   | Max. gradeability, with/without load <sup>3)</sup>           |                | %    | 10/8                 |
|                                  | 5.10  | Service brake  |                |      | Electromagnetic      |
| Electric motor                   | 6.1   | Drive motor rating S2 60 min                                 |                | kW   | 1,4                  |
|                                  | 6.2   | Lift motor rating at S3 20%                                  |                | kW   | 3,1                  |
|                                  | 6.4   | Battery voltage/nominal capacity $K_5$                       |                | V/Ah | 24/276-300           |
|                                  | 6.5   | Battery weight   |                | kg   | 240-300              |
| Others                           | 8.1   | Type of drive control  |                |      | Transistor, stepless |

1) Based on Triplex mast; Duplex mast +20 mm

2) Based on Triplex mast

3) Measured according to company standard

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

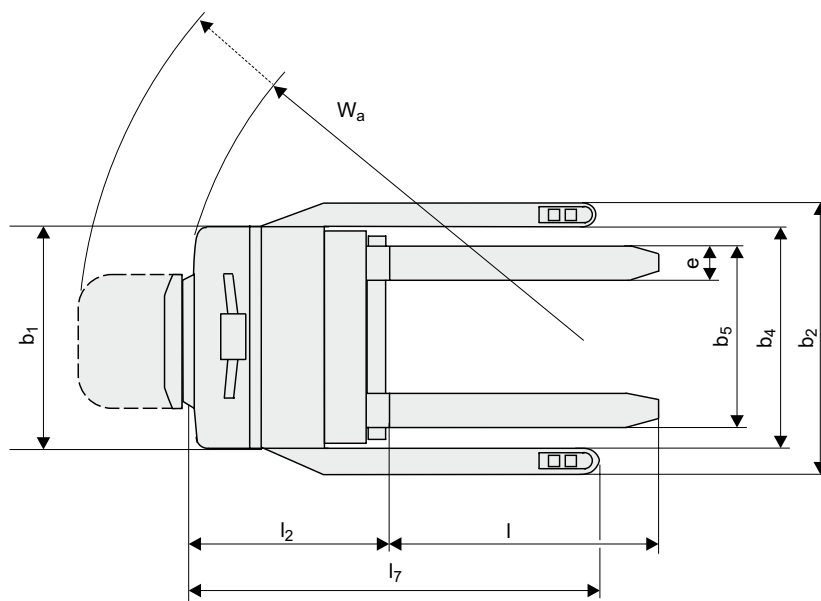
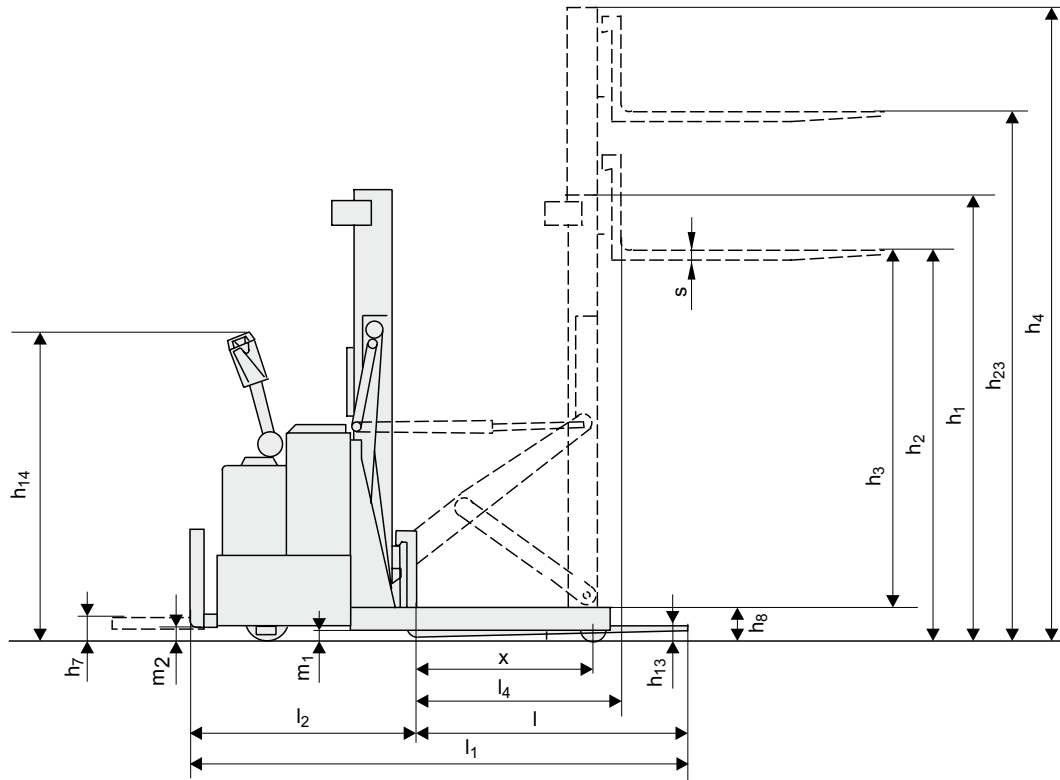
Truck performance and dimensions are nominal and subject to tolerances.

BT products and specifications are subject to change without notice.

# Mast dimensions

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| RWE120   |                                   |    | Duplex Tele |      |      | Duplex HiLo |      |      |      |      | Triplex HiLo |      |      |      |      |
|----------|-----------------------------------|----|-------------|------|------|-------------|------|------|------|------|--------------|------|------|------|------|
| $h_{23}$ | Lift height ( $h_{13}+h_3$ )      | mm | 2400        | 2800 | 3350 | 2400        | 2900 | 3350 | 3750 | 4150 | 3600         | 3750 | 4150 | 4500 | 4800 |
| $h_3$    | Lift                              | mm | 2360        | 2760 | 3310 | 2360        | 2860 | 3310 | 3710 | 4110 | 3560         | 3710 | 4110 | 4460 | 4760 |
| $h_1$    | Height, mast lowered              | mm | 1737        | 1937 | 2212 | 1737        | 1987 | 2212 | 2422 | 2622 | 2765         | 1830 | 1948 | 2065 | 2165 |
| $h_2$    | Free lift, ground to top of forks | mm | —           | —    | —    | 1268        | 1518 | 1743 | 1943 | 2143 | 1291         | 1341 | 1476 | 1592 | 1692 |
| $h_4$    | Height, mast extended             | mm | 2917        | 3317 | 3867 | 2917        | 3417 | 3867 | 4277 | 4677 | 4120         | 4270 | 4670 | 5021 | 5321 |



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## Truck features:

- Choice of chassis widths
- Tilting mast
- Fingertip controls
- Tiller arm steering
- 180° steering
- Flip-down driver platform
- Clear-view mast
- Load support
- Emergency cut-off

