

Pedestrian stacker truck 1.2 - 1.4 ton



BT staxio

W-series

SWE120L

SWE140L



Pedestrian stacker with elevating support arms

| Specification for stacker trucks | | | | | SWE120L | SWE140L |
|----------------------------------|---|---|-----------------|------|--------------------|--------------------|
| Identification | 1.1 | Manufacturer | | | Toyota | Toyota |
| | 1.2 | Model | | | SWE120L | SWE140L |
| | 1.3 | Drive | | | Electric | Electric |
| | 1.4 | Operator type | | | Pedestrian | Pedestrian |
| | 1.5 | Load capacity/rated load | Q | kg | 1200 | 1400 |
| | | Support arm capacity | Q | kg | 1600 | 2000 |
| | 1.6 | Load centre | c | mm | 600 | 600 |
| | 1.8 | Load distance, centre of support arm wheel to face of forks (support arms raised/lowered) | x | mm | 672/731 | 672/731 |
| | 1.9 | Wheelbase (support arms raised/lowered) | y | mm | 1243/1302 | 1243/1302 |
| Weight | 2.1 | Service weight including battery | | kg | 907 | 942 |
| | 2.2 | Axle load, with load, drive/castor/support arm wheel | | kg | 450/340/1345 | 450/360/1525 |
| | 2.3 | Axle load, without load, drive/castor/support arm wheel | | kg | 450/220/265 | 450/220/265 |
| Wheels | 3.1 | Drive/castor/fork wheel | | | Polyurethane | |
| | 3.2 | Wheel size, front | | mm | Ø230x70 | Ø230x70 |
| | 3.3 | Wheel size, rear | | mm | Ø85x74 | Ø85x74 |
| | 3.4 | Additional wheels (dimensions) | | mm | Ø125x50 | Ø125x50 |
| | 3.5 | Wheels, number front/rear (x=driven wheels) | | | 1x+2/4 | 1x+2/4 |
| | 3.6 | Track width, front | b ₁₀ | mm | 550 | 550 |
| | 3.7 | Track width, rear | b ₁₁ | mm | 390 | 390 |
| Dimensions | 4.2 | Height, mast lowered | h ₁ | mm | 2143 *) | 2168 *) |
| | 4.3 | Free lift | h ₂ | mm | 76 *) | 76 *) |
| | 4.4 | Lift | h ₃ | mm | 3210 *) | 3165 *) |
| | | Lift height | h ₂₃ | mm | 3300 *) | 3255 *) |
| | 4.5 | Height, mast extended | h ₄ | mm | 3720 *) | 3725 *) |
| | 4.6 | Initial lift | h ₅ | mm | 120 | 120 |
| | 4.9 | Height of tiller in drive position without platform, min./max. | h ₁₄ | mm | 150 | 150 |
| | | Height of tiller in drive position with platform, min./max. | h ₁₄ | mm | 865/1235 | 865/1235 |
| | 4.15 | Height, fork lowered | h ₁₃ | mm | 90 | 90 |
| | 4.19 | Overall length | l ₁ | mm | 1910 | 1910 |
| | 4.20 | Length to face of forks | l ₂ | mm | 760 | 760 |
| | 4.21 | Overall width | b ₁ | mm | 770 | 770 *) |
| | 4.22 | Fork dimensions | s/e/l | mm | 60/180/1150 *) | 70/180/1150 *) |
| | 4.24 | Fork-carriage width | b ₃ | mm | 674 | 674 |
| | 4.25 | Width over forks | b ₅ | mm | 570 *) | 570 *) |
| | 4.31 | Ground clearance, with load, below mast | m ₁ | mm | 22 | 22 |
| | 4.32 | Ground clearance, centre of wheelbase | m ₂ | mm | 22 | 22 |
| 4.34.1 | Aisle width for pallets 1000x1200 crossways | A _{st} | mm | 2277 | 2277 | |
| 4.34.2 | Aisle width for pallets 800x1200 lengthways | A _{st} | mm | 2255 | 2255 | |
| 4.35 | Turning radius, support arms raised | W _a | mm | 1393 | 1393 | |
| Performance data | 5.1 | Travel speed, with/without load | | km/h | 6/6 | 6/6 |
| | 5.2 | Lift speed, with/without load | | m/s | 0.12/0.27 | 0.11/0.27 |
| | 5.3 | Lowering speed, with/without load | | m/s | 0.38/0.32 | 0.37/0.32 |
| | 5.8 | Max. gradeability, with/without load | | % | 9/12 ¹⁾ | 8/12 ¹⁾ |
| | 5.10 | Service brake | | | Electromagnetic | Electromagnetic |
| Electric motor | 6.1 | Drive motor rating S2 60 min | | kW | 1.5 | 1.5 |
| | 6.2 | Lift motor rating at S3 15% | | kW | 2.2 ²⁾ | 2.2 ²⁾ |
| | 6.4 | Battery voltage/nominal capacity K _s | | V/Ah | 24/225 *) | 24/225 *) |
| | 6.5 | Battery weight | | kg | 192 *) | 192 *) |
| | 6.6 | Energy consumption acc. to VDI cycle | | kWh | 0,79 | 0,94 |
| | | Energy consumption acc. to EN16796:2016 | | kWh | 0,6 | 0,71 |
| | 6.7 | Turnover output | | t/h | 52,8 | 61,9 |
| | 6.8 | Energy consumption at turnover output | | kWh | 1,07 | 1,39 |
| Others | 8.1 | Type of drive control | | | Variable AC | Variable AC |
| | | | | | | |

¹⁾ Measured according to company standard.

²⁾ S3 6%.

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

Data is based on standard configurations: Medium battery compartment,
h₂₃ = 3300 mm (SWE120L) and 3255 mm (SWE140L) Duplex Tele Panoramic View mast.

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

Truck performance and dimensions are nominal and subject to tolerances.

Toyota Material Handling products and specifications are subject to change without notice.

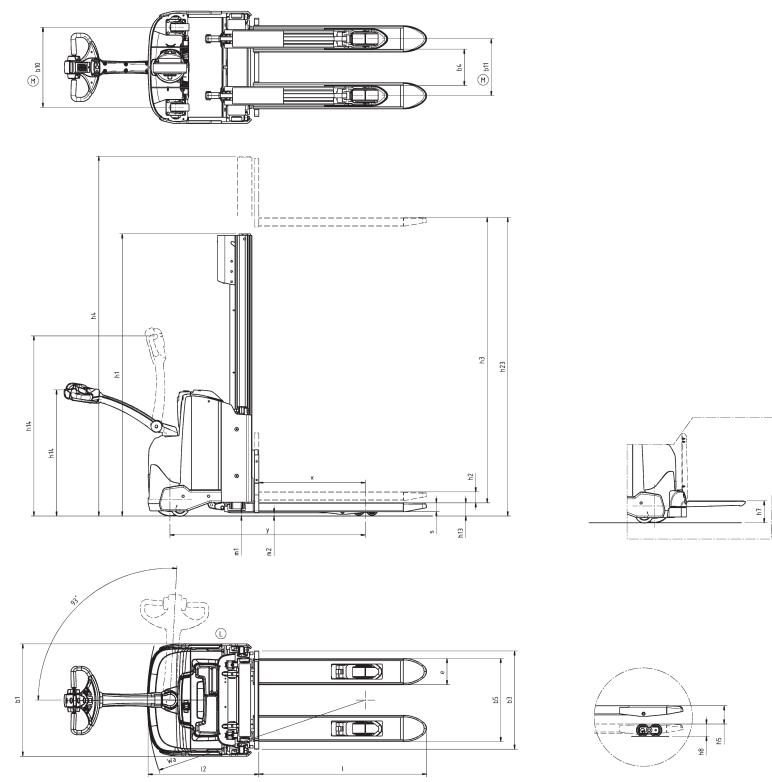
Battery dependent dimensions

| Dimensions | | Battery change | | SWE120L | | | SWE140L | | |
|------------|---|-----------------|--------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | | | Lift out | | Sideways | Lift out | | Sideways |
| | | Compartment | Medium | Large | Large | Medium | Large | Large | |
| 1.9 | Wheelbase, support arms raised/lowered | y | mm | 1243/1302 | 1293/1332 | 1293/1332 | 1243/1302 | 1293/1332 | 1293/1332 |
| 4.19 | Overall length without platform with platform up/down | l ₁ | mm | 1910 | 1960 | 1960 | 1910 | 1960 | 1960 |
| | | | mm | 1995/2385 | 2045/2435 | 2045/2435 | 1995/2385 | 2045/2435 | 2045/2435 |
| 4.20 | Length to face of forks without platform with platform up/down | l ₂ | mm | 760 | 810 | 810 | 760 | 810 | 810 |
| | | | mm | 845/1235 | 895/1285 | 895/1285 | 845/1235 | 895/1285 | 895/1285 |
| 4.34.1 | Aisle width for pallets 1000x1200 crossways without platform with platform up/down | A _{st} | mm | 2277 | 2327 | 2350 | 2300 | 2350 | 2350 |
| | | | mm | 2362/2762 | 2412/2812 | 2435/2835 | 2385/2785 | 2435/2835 | 2435/2835 |
| 4.34.2 | Aisle width for pallets 800x1200 lengthways without platform with platform up/down | A _{st} | mm | 2255 | 2305 | 2305 | 2255 | 2305 | 2305 |
| | | | mm | 2340/2740 | 2390/2790 | 2390/2790 | 2340/2740 | 2390/2790 | 2390/2790 |
| 4.35 | Turning radius, forks raised without platform with platform up/down | W _a | mm | 1393 | 1443 | 1443 | 1393 | 1443 | 1443 |
| | | | mm | 1478/1878 | 1528/1928 | 1528/1928 | 1478/1878 | 1528/1928 | 1528/1928 |
| 6.4 | Battery voltage, nominal capacity, Lead-Acid Battery voltage, nominal capacity, Li-Ion | K _s | V/Ah | 24/225 | 24/300 | 24/260 | 24/225 | 24/300 | 24/260 |
| | | | V/Ah | 24/105 | 24/210 | — | 24/105 | 24/210 | — |
| 6.5 | Battery weight, nominal Battery weight, min.—max. | | kg | 192 | 248 | 221 | 192 | 248 | 221 |
| | | | kg | 185—250 | 230—285 | 209—250 | 185—250 | 230—285 | 209—250 |

Mast dimensions

| SWE120L | | | Simplex | | Duplex Tele | | | | Dupl. Tele Panoram. View | | | | Duplex HiLo | | | | Triplex HiLo | | | | | | |
|-----------------|--|----|---------|------|-------------|------|------|------|--------------------------|------|------|------|-------------|------|------|------|--------------|------|------|------|------|------|------|
| h ₂₃ | Lift height (h ₁₃ +h ₃) | mm | 1400 | 1700 | 2700 | 2900 | 3300 | 3700 | 4150 | 2700 | 2900 | 3300 | 3700 | 4150 | 2700 | 2900 | 3300 | 3700 | 4150 | 3300 | 3700 | 4150 | 4500 |
| h ₃ | Lift | mm | 1310 | 1610 | 2610 | 2810 | 3210 | 3610 | 4060 | 2610 | 2810 | 3210 | 3610 | 4060 | 2610 | 2810 | 3210 | 3610 | 4060 | 3210 | 3610 | 4060 | 4410 |
| h ₁ | Height, mast lowered | mm | 1825 | 2125 | 1843 | 1943 | 2143 | 2343 | 2568 | 1843 | 1943 | 2143 | 2343 | 2568 | 1843 | 1943 | 2143 | 2343 | 2568 | 1720 | 1854 | 2004 | 2120 |
| h ₂ | Free lift, ground to top of forks | mm | 1400 | 1700 | 76 | 76 | 76 | 76 | 76 | 76 | 76 | 76 | 76 | 76 | 1330 | 1430 | 1630 | 1830 | 2054 | 1180 | 1314 | 1464 | 1580 |
| h ₄ | Height, mast extended | mm | 1825 | 2125 | 3125 | 3325 | 3725 | 4125 | 4575 | 3120 | 3320 | 3720 | 4120 | 4570 | 3141 | 3341 | 3741 | 4141 | 4591 | 3747 | 4149 | 4599 | 4947 |

| SWE140L | | | Duplex Tele Panoramic View | | | | | Duplex HiLo | | | | | Triplex HiLo | | | | |
|-----------------|--|----|----------------------------|------|------|------|------|-------------|------|------|------|------|--------------|------|------|------|------|
| h ₂₃ | Lift height (h ₁₃ +h ₃) | mm | 2655 | 2855 | 3255 | 3655 | 4105 | 2655 | 2855 | 3255 | 3655 | 4105 | 3255 | 3655 | 4105 | 4455 | 4755 |
| h ₃ | Lift | mm | 2565 | 2765 | 3165 | 3565 | 4015 | 2565 | 2765 | 3165 | 3565 | 4015 | 3165 | 3565 | 4015 | 4365 | 4665 |
| h ₁ | Height, mast lowered | mm | 1868 | 1968 | 2168 | 2368 | 2593 | 1843 | 1943 | 2143 | 2343 | 2568 | 1720 | 1854 | 2004 | 2120 | 2220 |
| h ₂ | Free lift, ground to top of forks | mm | 76 | 76 | 76 | 76 | 76 | 1284 | 1384 | 1584 | 1784 | 2009 | 1134 | 1268 | 1418 | 1534 | 1634 |
| h ₄ | Height, mast extended | mm | 3125 | 3325 | 3725 | 4125 | 4575 | 3141 | 3341 | 3741 | 4141 | 4591 | 3747 | 4149 | 4599 | 4947 | 5247 |



Truck features:

- 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)
- Sensilift (option)
- Flip-up operator platform (option)
- Toyota I_site: truck fleet management system (option)
- Hydraulic oil for low temperatures (option)

