

LWE180/200/250

| Specifications | | | | | LWE180 | LWE200 | LWE250 |
|------------------|----------------|------------------------------------------------------------------------------------|-----------------|-------|--------------------|--------------------|--------------------|
| Identification | 1.1 | Manufacturer | | | Toyota | Toyota | Toyota |
| | 1.2 | Model | | | LWE180 | LWE200 | LWE250 |
| | 1.3 | Drive | | | Electric | Electric | Electric |
| | 1.4 | Operator type | | | Pedestrian | Pedestrian | Pedestrian |
| | 1.5 | Load capacity/rated load | Q | kg | 1800 | 2000 | 2500 |
| | 1.6 | Load centre | c | mm | 600 | 600 | 600 |
| | 1.8 | Load distance, centre of support arm wheel to face of forks (forks raised/lowered) | x | mm | 898/955 | 898/955 | 898/955 |
| | 1.9 | Wheelbase (forks raised/lowered) | y | mm | 1287/1344 | 1287/1344 | 1287/1344 |
| Weight | 2.1 | Service weight including battery | | kg | 507 | 512 | 522 |
| | 2.2 | Axle load, with load, drive/castor/fork wheel | | kg | 760/150/1435 | 815/150/1580 | 950/150/1945 |
| | 2.3 | Axle load, without load, drive/castor/fork wheel | | kg | 260/150/135 | 260/150/135 | 260/150/135 |
| Wheels | 3.1 | Drive/castor/fork wheel | | | Polyurethane | Polyurethane | Polyurethane |
| | 3.2 | Wheel size, front | | mm | Ø 230x70 | Ø 230x70 | Ø 230x70 |
| | 3.3 | Wheel size, rear | | mm | Ø 85x75 | Ø 85x75 | Ø 85x75 |
| | 3.4 | Additional wheels (dimensions) | | mm | Ø 125x50 | Ø 125x50 | Ø 125x50 |
| | 3.5 | Wheels, number front/rear (x = driven wheels) | | | 1x+2/4 | 1x+2/4 | 1x+2/4 |
| | 3.6 | Track width, front | b ₁₀ | mm | 430 | 430 | 430 |
| | 3.7 | Track width, rear | b ₁₁ | mm | 370 | 370 | 370 |
| Dimensions | 4.4 | Lift | h ₃ | mm | 120 | 120 | 120 |
| | | Lift height | h ₂₃ | mm | 205 | 205 | 205 |
| | 4.8 | Stand height (optional platform) | h ₇ | mm | — | 150 | — |
| | 4.9 | Height of tiller in drive position, min./max. | h ₁₄ | mm | 865/1235 | 865/1235 | 865/1235 |
| | 4.15 | Height, fork lowered | h ₁₃ | mm | 85 | 85 | 85 |
| | 4.19 | Overall length | l ₁ | mm | 1688 | 1688 | 1688 |
| | 4.20 | Length to face of forks | l ₂ | mm | 538 | 538 | 538 |
| | 4.21 | Overall width | b ₁ | mm | 726 | 726 | 726 |
| | 4.22 | Fork dimensions | s/e/l | mm | 78/180/1150 * | 78/180/1150 * | 78/180/1150 * |
| | 4.25 | Width over forks | b ₅ | mm | 550 * | 550 * | 550 * |
| | 4.32 | Ground clearance, centre of wheelbase | m ₂ | mm | 21 | 21 | 21 |
| | 4.34.1 | Aisle width for pallets 1000x1200 crossways | A _{st} | mm | 1899 | 1899 | 1899 |
| | 4.34.2 | Aisle width for pallets 800x1200 lengthways | A _{st} | mm | 1949 | 1949 | 1949 |
| 4.35 | Turning radius | W _a | mm | 1447 | 1447 | 1447 | |
| Performance data | 5.1 | Travel speed, with/without load | | km/h | 6/6 | 6/6 | 6/6 |
| | 5.2 | Lift speed, with/without load | | m/s | 0,04/0,05 | 0,06/0,09 | 0,05/0,09 |
| | 5.3 | Lowering speed, with/without load | | m/s | 0,09/0,08 | 0,09/0,08 | 0,09/0,08 |
| | 5.8 | Max. gradeability, with/without load | | % | 9/18 ¹⁾ | 9/18 ¹⁾ | 8/18 ¹⁾ |
| | 5.10 | Service brake | | | Electromagnetic | Electromagnetic | Electromagnetic |
| Electric motor | 6.1 | Drive motor rating S2 60 min | | | 1,0 | 1,5 | 1,5 |
| | 6.2 | Lift motor rating at S3 15% | | kW | 1,0 ²⁾ | 1,4 ²⁾ | 1,4 ²⁾ |
| | 6.4 | Battery voltage/nominal capacity K _s | | V/Ah | 24/225 * | 24/225 * | 24/225 * |
| | 6.5 | Battery weight | | kg | 192 ¹⁾ | 192 ¹⁾ | 192 ¹⁾ |
| | 6.6 | Energy consumption according to VDI cycle | | kWh/h | 0,31 | 0,35 | 0,40 |
| | | Energy consumption acc. to EN16796:2016 | | kWh/h | 0,28 | 0,33 | 0,37 |
| | 6.7 | Turnover output | | t/h | 116,1 | 130 | 161,8 |
| | 6.8 | Energy consumption at turnover output | | kWh/h | 0,74 | 1,33 | 1,48 |
| Other | 8.1 | Type of drive control | | | Variable AC | Variable AC | Variable AC |

¹⁾ Measured according to company standard.

²⁾ S3 10%

* Further alternatives are available and will produce other values.

Data is based on standard configurations: Medium battery compartment.

Battery dependent dimensions

| Dimensions | | Battery type | | LWE180, LWE200, LWE250 | | | |
|------------|------------------------------------------------|---------------------|------|------------------------|---------------|-----------------------|---------------|
| | | | | Lead/Acid - Lift out | | Lead/Acid - Sideways* | Li-ion |
| | | Battery compartment | | Medium | Large | Large | Medium |
| 1.9 | Wheelbase, forks raised/lowered | Y | mm | 1287/1344 | 1337/1394 | 1337/1394 | 1287/1344 |
| 2.1 | Service weight including battery | | kg | 507, 512, 522 | 573, 578, 583 | - , 551, 556 | 386, 391, 401 |
| 4.19 | Overall length | | | | | | |
| | without platform | I_1 | mm | 1688 | 1738 | 1738 | 1688 |
| | with platform up/down | I_1 | mm | 1773/2163 | 1823/2213 | 1823/2213 | 1773/2163 |
| 4.20 | Length to face of forks | | | | | | |
| | without platform | I_2 | mm | 538 | 588 | 588 | 538 |
| | with platform up/down | I_2 | mm | 623/1013 | 673/1063 | 673/1063 | 623/1013 |
| 4.34.1 | Aisle width for pallets 1000x1200 crossways | | | | | | |
| | without platform | A_{st} | mm | 1899 | 1948 | 1948 | 1899 |
| | with platform up/down | A_{st} | mm | 1984/2384 | 2033/2433 | 2033/2433 | 1984/2384 |
| 4.34.2 | Aisle width for pallets 800x1200 lengthways | | | | | | |
| | without platform | A_{st} | mm | 1949 | 1998 | 1998 | 1949 |
| | with platform up/down | A_{st} | mm | 2034/2434 | 2083/2483 | 2083/2483 | 2034/2434 |
| 4.35 | Turning radius, forks raised | | | | | | |
| | without platform | W_a | mm | 1456 | 1506 | 1506 | 1456 |
| | with platform up/down | W_a | mm | 1541/1941 | 1591/1991 | 1591/1991 | 1541/1941 |
| 6.4 | Battery voltage, nominal capacity | K_5 | V/Ah | 24/225 | 24/300 | 24/260 | 24/150 |
| 6.5 | Battery weight, nominal | | kg | 192 | 248 | 221 | 71 |
| | Battery weight, min.—max. | | kg | 180 - 235 | 209 - 285 | 209 - 285 | 64 - 78 |

*Sideways battery exchange - Valid for LWE200/250.

