

# Order picking truck 1.8 -2.0 ton

**OPTIO**

*L-series*

OSE200X

OSE180XP



# Order picking truck

| Truck specifications |   |   |                                  |                 | OSE200X         | OSE180XP     |
|----------------------|---|---|----------------------------------|-----------------|-----------------|--------------|
| Identification       | 1.1                                     | Manufacturer  |                                  |                 | Toyota          | Toyota       |
|                      | 1.2                                     | Model   |                                  |                 | OSE200X         | OSE180XP     |
|                      | 1.3                                     | Drive   |                                  |                 | Electric        | Electric     |
|                      | 1.4                                     | Operator type   |                                  |                 | Stand on        | Stand on     |
|                      | 1.5                                     | Load capacity/rated load  | Q                                | kg              | 2000*           | 1800         |
|                      | 1.6                                     | Load centre   | c                                | mm              | 1200            | 1200         |
|                      | 1.8                                     | Load distance, centre of support arm wheel to face of fork (raised/lowered forks) | x                                | mm              | 1295*/1485*     | 1295*/1485*  |
|                      | 1.9                                     | Wheelbase (raised/lowered forks)  | y                                | mm              | 2590*/2778*     | 2590*/2778*  |
|                      | Weight                                  | 2.1   | Service weight including battery |                 | kg              | 1080*        |
| 2.2                  |   | Axle load, with load, front/rear  |                                  | kg              | 900*/2180*      | 940*/2070*   |
| 2.3                  |   | Axle load, without load, front/rear   |                                  | kg              | 700*/380*       | 760*/450*    |
| Wheels               | 3.1                                     | Drive/castor/fork wheel   |                                  |                 | Polyurethane    | Polyurethane |
|                      | 3.2                                     | Wheel size, front (drive)   |                                  | mm              | Ø 230x82        | Ø 230x82     |
|                      | 3.3                                     | Wheel size, rear  |                                  | mm              | Ø 85x74         | Ø 85x74      |
|                      | 3.4                                     | Additional wheel size(castor)   |                                  | mm              | Ø 150x78        | Ø 150x78     |
|                      | 3.5                                     | Wheels, number front/rear (x=driven wheels)                                       |                                  |                 | 1x + 1/4        | 1x + 1/4     |
|                      | 3.6                                     | Track width, front  | b <sub>10</sub>                  | mm              | 495             | 495          |
|                      | 3.7                                     | Track width, rear   | b <sub>11</sub>                  | mm              | 370             | 370          |
| Dimensions           | 4.4                                     | Lift  | h <sub>3</sub>                   | mm              | 710             | 710          |
|                      |   | Lift height   | h <sub>23</sub>                  | mm              | 800             | 800          |
|                      | 4.8                                     | Stand height  | h <sub>7</sub>                   | mm              | 130             | 130/1195     |
|                      | 4.9                                     | Height of tiller in drive position  | h <sub>14</sub>                  | mm              | TBD             | TBD          |
|                      | 4.15                                    | Height, fork lowered  | h <sub>13</sub>                  | mm              | 90              | 90           |
|                      | 4.19                                    | Overall length  | l <sub>1</sub>                   | mm              | 3867*           | 3867*        |
|                      | 4.20                                    | Length to face of forks   | l <sub>2</sub>                   | mm              | 1517*           | 1517*        |
|                      | 4.21                                    | Overall width   | b <sub>1</sub>                   | mm              | 790             | 790          |
|                      | 4.22                                    | Fork dimensions   | s/e/l                            | mm              | 70/180/2350*    | 70/180/2350* |
|                      | 4.25                                    | Width over forks  | b <sub>5</sub>                   | mm              | 550*            | 550*         |
|                      | 4.32                                    | Ground clearance, center of wheelbase   | m <sub>2</sub>                   | mm              | 22              | 22           |
|                      | 4.34                                    | Aisle width for pallets 800 × 1200  | A <sub>st</sub>                  | mm              | 4213*           | 4213*        |
|                      | 4.35                                    | Turning radius  | W <sub>a</sub>                   | mm              | 2927*           | 2927*        |
|                      | Clear width driver compartment entrance | l <sub>24</sub>   | mm                               | 458             | 420             |              |
| Performance data     | 5.1                                     | Travel speed, with/without load forward   |                                  | km/h            | 7/10,5          | 7/10,5       |
|                      |   | Travel speed, with/without load, backwards  |                                  | km/h            | 6/10,5          | 6/10,5       |
|                      | 5.2                                     | Lift speed, with /without load  |                                  | m/s             | 0,07/ 0,09      | 0,07/ 0,09   |
|                      | 5.3                                     | Lowering speed, with/without load   |                                  | m/s             | 0,12/ 0,1       | 0,12/ 0,1    |
|                      | 5.8                                     | Max. gradeability, with/without load  |                                  | %               | 5/5             | 5/5          |
|                      | 5.9                                     | Acceleration time (over 10 m) (without/ with load)                                |                                  | s               | 4,4/6,4         | 4,4/6,4      |
| 5.10                 | Service brake                           |   |                                  | Electromagnetic | Electromagnetic |              |
| Electric motor       | 6.1                                     | Drive motor rating (S2)   |                                  | kW              | 2,8             | 2,8          |
|                      | 6.2                                     | Lift motor rating (S3 7%)   |                                  | kW              | 2,0             | 2,0          |
|                      | 6.4                                     | Battery voltage, nominal capacity K <sub>5</sub>                                  |                                  | V/Ah            | 24/300*         | 24/300*      |
|                      | 6.5                                     | Battery weight (min/max)  |                                  | kg              | 190/285*        | 190/285*     |
|                      | 6.6                                     | Energy consumption acc to EN16796   |                                  | kWh/h           | 0,42            | TBD          |
|                      | 6.7                                     | Turnover output   |                                  | t/h             | 244             | TBD          |
|                      | 6.8                                     | Energy consumption at turnover output   |                                  | kWh/h           | 1,24            | TBD          |
|                      | Other                                   | 8.1   | Type of drive control            |                 |                 | Variable AC  |
| 10.7                 |   | Sound level at the driver's ear according to EN12053                              |                                  | dB(A)           | TBD             | TBD          |

\*) Further alternatives are available and will produce other values. Data is based on a configuration with Fork length 2350mm, Fork width 550mm, Small battery compartment, Lead acid battery.

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 Manufacturing Sweden AB products and specifications are subject to change without notice.



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## Truck features:

- High performance models
- Ergonomic picking height with lifting forks
- Optimized stability with scissor lift
- E-man steering concept
- Low step-in
- Wide operator space
- Multiple storage compartments
- Platform lift model
- Integrated warning lights (option)
- Integrated daytime running lights (option)
- Walkie buttons (option)
- T-mote (option)
- Vibration damped floor (option)
- E-bar option for easy access to picking devices
- Easy battery access
- Wide battery range with Lead-Acid and Li-Ion

