



# WAL20 PRO

## HEAVY-DUTY PEDESTRIAN LI-ION PALLET TRUCK 2.0T

 2000 kg
  125 mm
  24 V Li-Ion



Ideal for warehouses, retail logistics, manufacturing, and last-mile distribution, the WAL 20 PRO thrives in narrow aisles, containers, and high-density storage zones. Its ultra-compact chassis (435 mm length) and tight 1,283 mm turning radius make it the perfect solution for operations with limited maneuvering space. Highly performing in both travel and lifting speeds, the WAL 20 PRO ensures reliable, quiet, and safe material handling across shifts.

| SPECIFICATION                               | REF            | UNIT | VALUE       |
|---|----------------|------|-------------|
| Battery type                                |                |      | Li-Ion      |
| Battery voltage                             |                | V    | 24          |
| Battery voltage/nominal capacity K5         |                | Ah   | 100         |
| Rated capacity                              | Q              | kg   | 2000        |
| Load centre distance                        | c              | mm   | 600         |
| Service weight                              |                | kg   | 350         |
| Lift  | $h_3$          | mm   | 125         |
| Overall length                              |                | mm   | 1585        |
| Overall width                               | $b_1/b_2$      | mm   | 720         |
| Length to face of forks                     | l <sub>2</sub> | mm   | 435         |
| Fork dimensions                             | s/e/l          | mm   | 55/170/1150 |
| Turning radius                              |                | Wa   | 1283        |
| Operator type                               |                |      | Pedestrian  |
| Load distance, centre of drive axle to fork |                | mm   | 980         |
| Wheelbase                                   |                | mm   | 1257        |
| Axle loading, laden front/rear              |                | kg   | 930/1420    |

# Features

## Ultra-Compact Chassis and Tight Turning Radius

With a class-leading 435 mm chassis length and 1,283 mm turning radius, the WAL 20 PRO operates effortlessly in narrow aisles, trailers, and confined spaces. This compact build enhances maneuverability and reduces storage and transport costs.

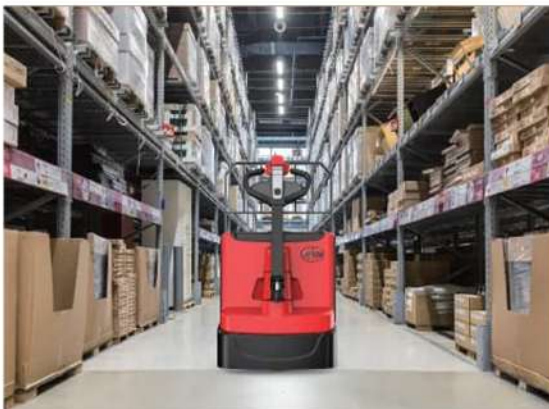


## Maximum traction and stability with low noise emission

Thanks to the innovative synchronized castor system WAL PRO maintains great balance and traction even under heavy loads and on every kind of floor. Operating noise remains below 65 dB, ensuring smooth, quiet, and safe handling in all warehouse conditions.

## Advanced Lithium Technology with Integrated Charger

Equipped with a 24 V / 100 Ah Li-ion battery and 30 A integrated charger, the WAL PRO offers long runtime and enables opportunity charging during breaks for maximum uptime. The optional 205 Ah battery and 100 A external charger support intensive multi-shift operations.



## High-Performance AC

A 2.2 kW pump motor and 1.6 kW AC drive motor deliver fast travel, lifting, and lowering speeds. With strong gradeability and responsive control, the truck performs reliably in heavy-duty warehouse and logistics applications.

## Operator-Focused Digital Features

The multi-function color display shows battery level, speed, status, and time; the ESP drive mode selector adapts performance to operator preferences. Optional operator ID (PIN or card) and Bluetooth app connectivity enhance safety and simplify maintenance.

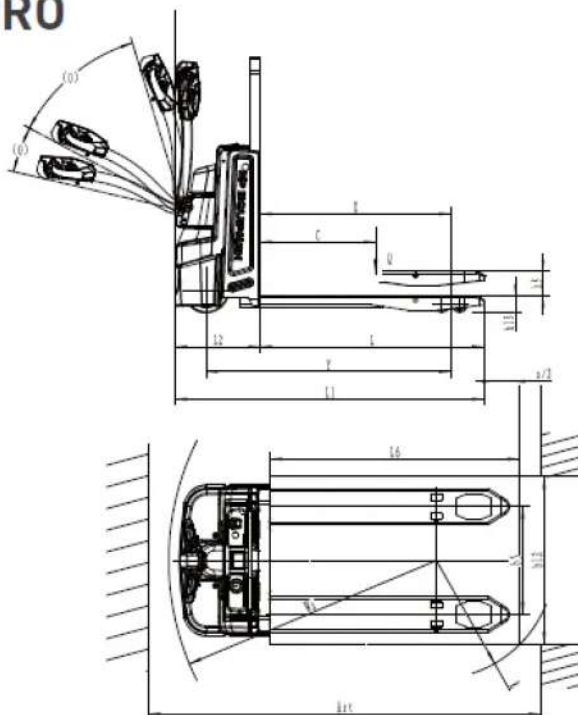


## VDI Chart

|        | SPECIFICATION                               | REF                            | UNIT | VALUE       |
|--------|---|--------------------------------|------|-------------|
| 1.4    | Operator type                               |                                |      | Pedestrian  |
| 1.5    | Rated capacity                              | Q                              | kg   | 2000        |
| 1.6    | Load centre distance                        | c                              | mm   | 600         |
| 1.8    | Load distance, centre of drive axle to fork |                                | mm   | 980         |
| 1.9    | Wheelbase                                   |                                | mm   | 1257        |
| 2.1    | Service weight                              |                                | kg   | 350         |
| 2.2    | Axle loading, laden front/rear              |                                | kg   | 930/1420    |
| 2.3    | Axle loading, unladen front/rear            |                                | kg   | 280/70      |
| 3.1    | Tyres                                       |                                |      | PU          |
| 3.2    | Tyre size, front                            |                                | mm   | Φ230 x 75   |
| 3.3    | Tyre size, rear                             |                                | mm   | Φ80x85      |
| 3.4    | Additional wheels (castor wheels)           |                                | mm   | Φ74x30      |
| 3.5    | Wheels, number front/rear (x=drive wheels)  |                                |      | 1/2/4       |
| 3.6    | Tread width, front                          | b <sub>10</sub>                | mm   | 500         |
| 3.7    | Tread width, rear                           | b <sub>11</sub>                | mm   | 370/515     |
| 4.0    | Max lift height                             | H                              | mm   | 125         |
| 4.15   | Height, lowered                             |                                |      | 85          |
| 4.19   | Overall length                              |                                | mm   | 1585        |
| 4.20   | Length to face of forks                     | l <sub>2</sub>                 | mm   | 435         |
| 4.21   | Overall width                               | b <sub>1</sub> /b <sub>2</sub> | mm   | 720         |
| 4.22   | Fork dimensions                             | s/e/l                          | mm   | 55/170/1150 |
| 4.25   | Distance between fork-arms                  |                                |      | 540/685     |
| 4.32   | Ground clearance, centre of wheelbase       |                                | mm   | 27          |
| 4.34.1 | Aisle width for pallets 1000×1200 crossways |                                | Ast  | 2083        |

|        | SPECIFICATION                                | REF            | UNIT  | VALUE           |
|--------|--|----------------|-------|-----------------|
| 4.34.2 | Aisle width for pallets 800 × 1200 crossways |                | Ast   | 1883            |
| 4.35   | Turning radius                               |                | Wa    | 1283            |
| 4.4    | Lift   | h <sub>3</sub> | mm    | 125             |
| 4.9    | Height drawbar in driving position min./max. |                |       | 900/1230        |
| 5.1    | Travel speed, laden/unladen                  |                | km/h  | 6/6             |
| 5.10   | Service brake                                |                |       | Electromagnetic |
| 5.2    | Lift speed, laden/unladen                    |                | m/s   | 0.065/0.078     |
| 5.3    | Lowering speed, laden/unladen                |                | m/s   | 0.04/0.04       |
| 5.8    | Max. gradeability, laden/unladen             |                | %     | 10/20           |
| 6.1    | Drive motor rating S2 60 min                 |                | kW    | 1.6             |
| 6.2    | Lift motor rating at S3 15%                  |                | kW    | 2.2             |
| 6.4    | Battery voltage                              |                | V     | 24              |
| 6.4    | Battery voltage/nominal capacity K5          |                | Ah    | 100             |
| 6.4.1  | Battery type                                 |                |       | Li-Ion          |
| 6.5    | Battery weight                               |                | kg    | 44              |
| 6.6    | Energy consumption according to DIN EN 16796 |                | kWh/h | 0.256           |
| 6.7    | Turnover output according to VDI 2198        |                |       | 85.16           |
| 6.8    | Turnover efficiency according to VDI 2198    |                |       | 171.35          |
| 8.1    | Type of drive unit                           |                |       | AC              |
| 10.5   | Steering design                              |                |       | Mechanical      |
| 10.7   | Sound pressure level at the driver's seat    |                | dB(A) | 65              |

## WAL 20 PRO



## Options

| ITEM                            | OPTIONS (optional items marked in yellow)   |
|---------------------------------|---|
| Fork dimension                  | 540*1150   540*850   540*1000   540*1220   540*1300   540*1450   540*1600   540*1800   540*2000   540*2400   685*850   685*100   685*1150   685*1220   685*1300   685*450   685*1600   685*1800   685*2000   685*2400 |
| Fork lowered height             | 85  |
| Backrest height                 | no   1220   1520  |
| Load wheel type                 | double   single   |
| Traction pin                    | no   Yes and not customized   |
| Load wheel material             | PU  |
| Drive wheel material            | PU   Trace PU   |
| Battery capacity                | 100Ah (Li-ion)   205Ah (Li-ion)   |
| Charger                         | 24V-30A Integrated   24V-100A External  |
| Battery display indicator (BDI) | With hourmeter  |
| Vertical handler working        | Yes and not customized  |
| Telematics                      | Yes and not customized   No   |

| ITEM                       | OPTIONS (optional items marked in yellow) |
|----------------------------|---|
| Castor wheels              | Yes and not customized                    |
| Drive cover off the ground | 35mm                                      |