



## Pallet Trucks

# T16 – T20 P

Capacity 1.6 t - 2.0 t | Series 1155

### Flexible manoeuvrability at its best

- Agile pallet truck for loading, unloading and fast transport of goods
- Foldable operator platform for flexible use in pedestrian and operating mode
- Narrow chassis width (720 mm) for manoeuvrability in tight environments
- Powerful motor for fast empty runs at up to 8.5 km/h
- Modern E/E architecture for fleet management integration and remote diagnosis

# TECHNICAL DATA (according to VDI 2198)

|                 |        |                                                     |                 |       |                                |                                |
|-----------------|--------|-----------------------------------------------------|-----------------|-------|--------------------------------|--------------------------------|
| Characteristics | 1.1    | Manufacturer                                        |                 |       | Linde MH                       | Linde MH                       |
|                 | 1.2    | Model                                               |                 |       | T16 P                          | T20 P                          |
|                 | 1.2a   | Series                                              |                 |       | 1155-00                        | 1155-00                        |
|                 | 1.3    | Power unit                                          |                 |       | Battery                        | Battery                        |
|                 | 1.4    | Operation                                           |                 |       | Pedestrian/stand-on            | Pedestrian/stand-on            |
|                 | 1.5    | Load capacity/load                                  | Q (t)           |       | 1.6                            | 2.0                            |
|                 | 1.6    | Load centre distance                                | c (mm)          |       | 600                            | 600                            |
|                 | 1.8    | Axle centre to fork face                            | x (mm)          |       | 896/965 <sup>1) 2)</sup>       | 896/965 <sup>1) 2)</sup>       |
| Weights         | 1.9    | Wheelbase                                           | y (mm)          | BS    | 1230/1302 <sup>1) 2)</sup>     | 1230/1302 <sup>1) 2)</sup>     |
|                 |        |                                                     |                 | 2 PzS | 1305/1377 <sup>1) 2)</sup>     | 1305/1377 <sup>1) 2)</sup>     |
|                 | 2.1    | Service weight                                      | kg              | BS    | 563                            | 563                            |
|                 |        |                                                     |                 | 2 PzS | 614                            | 614                            |
| Wheels/tyres    | 2.2    | Axle load with load, front/rear                     | kg              |       | 1376/858                       | 1695/939                       |
|                 | 2.3    | Axle load without load, front/rear                  | kg              |       | 130/484                        | 130/484                        |
|                 | 3.1    | Tyres rubber, SE, pneumatic, polyurethane           |                 |       | Polyurethane                   | Polyurethane                   |
|                 | 3.2    | Tyre size, front                                    |                 |       | Ø 230 × 75                     | Ø 230 × 75                     |
|                 | 3.3    | Tyre size, rear                                     |                 |       | 85 × 105 (boggies = Ø 85 × 80) | 85 × 105 (boggies = Ø 85 × 80) |
|                 | 3.4    | Auxiliary wheels (dimensions)                       |                 |       | 2x Ø 125 × 40                  | 2x Ø 125 × 40                  |
|                 | 3.5    | Wheels, number front/rear (x = driven)              |                 |       | 1x + 2/2 (1x + 2/4)            | 1x + 2/2 (1x + 2/4)            |
| Dimensions      | 3.6    | Track width, front                                  | b10 (mm)        |       | 482 <sup>1)</sup>              | 482 <sup>1)</sup>              |
|                 | 3.7    | Track width, rear                                   | b11 (mm)        |       | 355/375/395/515 <sup>1)</sup>  | 355/375/395/515 <sup>1)</sup>  |
|                 | 4.4    | Lift                                                | h3 (mm)         |       | 125 <sup>3)</sup>              | 125 <sup>3)</sup>              |
|                 | 4.9    | Height of tiller arm in operating position, min/max | h14 (mm)        |       | 1186/1306 <sup>1)</sup>        | 1186/1306 <sup>1)</sup>        |
|                 | 4.15   | Height, lowered                                     | h13 (mm)        |       | 86 <sup>4)</sup>               | 86 <sup>4)</sup>               |
|                 | 4.19   | Overall length                                      | l1 (mm)         | BS    | 2109 <sup>1)</sup>             | 2109 <sup>1)</sup>             |
|                 |        |                                                     |                 | 2 PzS | 2179 <sup>1)</sup>             | 2179 <sup>1)</sup>             |
|                 | 4.20   | Length to fork face                                 | l2 (mm)         | BS    | 952 <sup>1)</sup>              | 952 <sup>1)</sup>              |
|                 |        |                                                     |                 | 2 PzS | 1022 <sup>1)</sup>             | 1022 <sup>1)</sup>             |
|                 | 4.21   | Overall width                                       | b1/b2 (mm)      |       | 720 <sup>1)</sup>              | 720 <sup>1)</sup>              |
|                 | 4.22   | Fork dimensions DIN ISO 2331                        | s/e/l (mm)      |       | 55 × 165 × 1150                | 55 × 165 × 1150                |
|                 | 4.25   | Fork spread                                         | b5 (mm)         |       | 520/540/560/680 <sup>1)</sup>  | 520/540/560/680 <sup>1)</sup>  |
|                 | 4.32   | Ground clearance, centre of wheelbase               | m2 (mm)         |       | 32                             | 32                             |
|                 | 4.34.1 | Aisle width for pallets 1000 × 1200 crossways       | Ast (mm)        | BS    | 2550 <sup>5)</sup>             | 2550 <sup>5)</sup>             |
|                 |        |                                                     |                 | 2 PzS | 2622 <sup>5)</sup>             | 2622 <sup>5)</sup>             |
|                 | 4.34.2 | Aisle width with pallet 800 × 1200 along forks      | Ast (mm)        | BS    | 2646 <sup>5)</sup>             | 2646 <sup>5)</sup>             |
|                 |        |                                                     |                 | 2 PzS | 2718 <sup>5)</sup>             | 2718 <sup>5)</sup>             |
| Performance     | 4.35   | Turning radius                                      | Wa (mm)         | BS    | 1843/1915 <sup>2)</sup>        | 1843/1915 <sup>2)</sup>        |
|                 |        |                                                     |                 | 2 PzS | 1918/1990 <sup>2)</sup>        | 1918/1990 <sup>2)</sup>        |
|                 | 5.1    | Travel speed, with/without load                     | km/h            |       | 8.5/8.5 <sup>4)</sup>          | 8.5/8.5 <sup>4)</sup>          |
|                 | 5.2    | Lifting speed, with/without load                    | m/s             |       | 0.037/0.042                    | 0.033/0.042                    |
| Drive           | 5.3    | Lowering speed, with/without load                   | m/s             |       | 0.07/0.065                     | 0.07/0.069                     |
|                 | 5.8    | Maximum climbing ability, with/without load         | %               |       | 15/20                          | 13/20                          |
|                 | 5.10   | Service brake                                       |                 |       | Electric                       | Electric                       |
|                 | 6.1    | Drive motor rating at S2 60 min                     | kW              |       | 1.3                            | 1.3                            |
| Others          | 6.2    | Lift motor rating at S3 15%                         | kW              |       | 1.2                            | 1.2                            |
|                 | 6.3    | Battery according to DIN 43531/35/36 A,B,C,no       |                 |       | 2 PzS lateral change           | 2 PzS lateral change           |
|                 | 6.4    | Battery voltage/rated capacity (5 h)                | (V)/(Ah) o. kWh | BS    | 24/150                         | 24/150                         |
|                 |        |                                                     |                 | 2 PzS | 24/250                         | 24/250                         |
|                 | 6.5    | Battery weight (±5%)                                | kg              | BS    | 140                            | 140                            |
|                 |        |                                                     |                 | 2 PzS | 210                            | 210                            |
|                 | 6.6    | Energy consumption according to EN 16796            | kWh/h           |       | 0.251                          | 0.289                          |
|                 | 6.6.1  | CO2 equivalent according to EN 16796                | kg/h            |       | 0.135                          | 0.156                          |
|                 | 6.7    | Turnover output                                     | t/h             |       | 110                            | 140                            |
|                 | 6.8    | Turnover efficiency                                 | t/kWh           |       | 163                            | 176                            |
| Others          | 8.1    | Type of drive unit                                  |                 |       | AC control                     | AC control                     |
|                 | 10.7   | Sound pressure level at the operator's ear          | dB(A)           |       | 65                             | 65                             |

1) (+5 mm)

2) Load arms raised/lowered

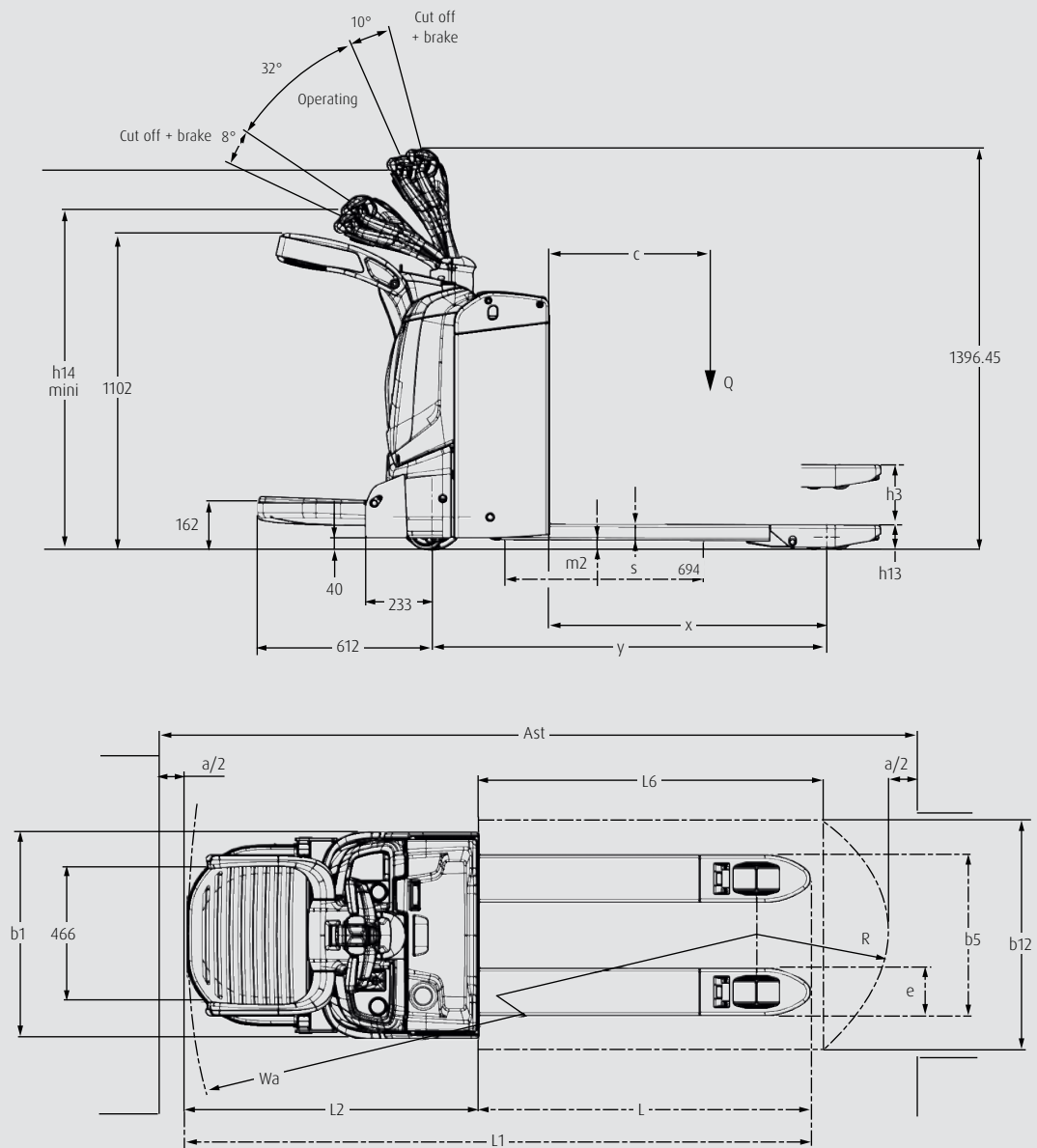
3) (0/-5 mm)

4) (0/+5 mm)

5) Including a 200 mm (min.) operating aisle clearance

6) (±5%)

## T16 - T20 P



T16 P



T20 P



# STANDARD AND OPTIONAL EQUIPMENT

| Model/equipment          |                                                                                                                           | T16 P | T20 P |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------|-------|-------|
| Safety                   | Foldable sideguards                                                                                                       | ○     | ○     |
|                          | Low chassis skirt                                                                                                         | ●     | ●     |
|                          | Linde BlueSpot®                                                                                                           | ○     | ○     |
|                          | Linde Curve Assist                                                                                                        | ●     | ●     |
|                          | Emergency stop button                                                                                                     | ●     | ●     |
|                          | Buzzer                                                                                                                    | ●     | ●     |
|                          | Horn                                                                                                                      | ○     | ○     |
|                          | Key switch                                                                                                                | ●     | ●     |
|                          | Log in PIN code                                                                                                           | ○     | ○     |
|                          |                                                                                                                           |       |       |
| Service                  | CAN bus technology                                                                                                        | ●     | ●     |
| Digitalisation           | Data transmission online                                                                                                  | ○     | ○     |
|                          | Data transmission WiFi                                                                                                    | ○     | ○     |
|                          | Linde connect:desk - local fleet management with different functional modules                                             | ○     | ○     |
|                          | Linde connect:cloud - fleet management as a service (hosted version)                                                      | ○     | ○     |
|                          | Linde Pre-Op Check app - customisable daily checks                                                                        | ○     | ○     |
| Operation/load handling  | Creep speed - for operation with tiller in vertical position                                                              | ○     | ○     |
|                          | Multi-function display hour meter, maintenance indication, battery discharge indicator and internal fault code indication | ○     | ○     |
|                          | Ergonomic tiller head with easy access to the controls                                                                    | ●     | ●     |
|                          | Load backrest h = 1800 mm - from the ground                                                                               | ○     | ○     |
|                          | Belly switch ON mode while operating                                                                                      | ○     | ○     |
|                          | Support clipboard and scanner                                                                                             | ○     | ○     |
|                          | Lift and stop sensor                                                                                                      | ○     | ○     |
|                          | Metallic battery cover                                                                                                    | ○     | ○     |
| Environ-<br>ment         | Coldstore -35°C (in/out) with metallic or mat grid                                                                        | ○     | ○     |
| Attachment/forks         | Fork width: 520 mm, 540 mm, 560 mm, 680 mm                                                                                | ○     | ○     |
|                          | Fork length: 1150 mm, 1200 mm, 1600 mm - with overhang 188 mm                                                             | ○     | ○     |
|                          | Fork length: 2400 mm - with overhang 563 mm                                                                               | ○     | ○     |
| Axles and tyres          | Drive wheel standard duty                                                                                                 | ●     | ●     |
|                          | Drive wheel heavy duty, high grip                                                                                         | ○     | ○     |
|                          | Single load wheels, polyurethane                                                                                          | ●     | ●     |
|                          | Tandem load wheels, polyurethane                                                                                          | ○     | ○     |
|                          | Single load wheels, polyurethane greasable                                                                                | ○     | ○     |
|                          | Tandem load wheels, polyurethane greasable                                                                                | ○     | ○     |
|                          | Auto-adjustable castor wheels                                                                                             | ●     | ●     |
| Drive and braking system | Maintenance-free AC motor                                                                                                 | ●     | ●     |
|                          | Electromagnetic braking system                                                                                            | ●     | ●     |
|                          | Li-ION technology available - different battery capacities with lateral mounted opportunity charging plug                 | ○     | ○     |
|                          | Lead acid battery technology                                                                                              | ○     | ○     |
|                          | Battery compartment, 2 PzS BS, vertical change                                                                            | ○     | ○     |
|                          | Battery compartment 2 PzS, lateral or vertical change                                                                     | ○     | ○     |
|                          | Integrated charger for lead-acid and Li-ION batteries                                                                     | ○     | ○     |
|                          | External chargers available                                                                                               | ○     | ○     |

● Standard equipment      ○ Optional equipment

# CHARACTERISTICS



Robust foldable sideguards

## Safety

- Robust foldable sideguards for optimal protection against injuries
- Linde Curve Assist for maximum safety when cornering
- Four independent braking systems for the best possible protection in every situation
- Load backrest to prevent the load from sliding back (optional)
- Linde BlueSpot® for visual warning in busy environments (optional)



Electrical steering for effortless vehicle control

## Ergonomics

- Cushioned operator platform to protect against vibrations and shocks
- Electric power steering for effortless vehicle control
- Steering angle of 65° to facilitate operation
- Ideally positioned controls for effortless operation with either hand
- Multi-function display for overview of all important information



Foldable damped platform

## Handling

- Creep speed enables precise, convenient load handling
- Effortless folding up and down of the platform
- Powerful motor for fast transport travel
- Sprung auto-adjustable castor wheels as standard for constant traction and stability to the ground
- New generation of Li-ION batteries for maximum energy efficiency
- Onboard charger for both Li-ION and lead acid batteries (optional)



Easy access to all relevant components

## Service

- Maintenance-free drive motor for permanently low service costs
- Solid construction for maximum vehicle availability
- Service-friendly design for speedy maintenance
- Quick problem diagnosis via laptop
- Modern E/E structure for a wide range of digital functions

Subject to modification in the interest of progress. Illustrations and technical details could include options and are not binding for actual constructions. All dimensions subject to usual tolerances.

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