



## Pallet Trucks

# T16 – T20 P

Capacity 1.6 t – 2.0 t | Series 1155

PB ION

### 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

T16 P



T20 P



# STANDARD AND OPTIONAL EQUIPMENT

Manufacturer's type designation /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- 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 brake 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

# TECHNICAL DATA (according to VDI 2198)

Characteristics	1.1	Manufacturer (abbreviation)		Linde MH	Linde MH
	1.2	Manufacturer's type designation		T16 P	T20 P
	1.2a	Series		1155	1155
	1.3	Drive		Battery	Battery
	1.4	Operation		Pedestrian/Stand on	Pedestrian/Stand on
	1.5	Rated capacity/rated load	Q (t)	1.6	2.0
	1.6	Load centre distance	c (mm)	600	600
	1.8	Load distance, centre of drive axle to fork	x (mm)	901/967 <sup>12)</sup>	901/967 <sup>12)</sup>
	1.9	Wheelbase	y (mm)	1238/1304 (1311/1377) <sup>12)3)</sup>	1238/1304 (1311/1377) <sup>12)3)</sup>
Weight	2.1	Service weight	kg	563 (614) <sup>3)4)</sup>	563 (614) <sup>3)4)</sup>
	2.2	Axle loading, laden front/rear	kg	852/1311 (851/1363) <sup>3)4)</sup>	949/1614 (943/1671) <sup>3)4)</sup>
	2.3	Axle loading, unladen front/rear	kg	484/130 (463/100) <sup>3)4)</sup>	484/130 (463/100) <sup>3)4)</sup>
Tyres/chassis	3.1	Tyres: solid rubber, superelastic, pneumatic, polyurethane		Polyurethane	Polyurethane
	3.2	Tyre size, front		Ø 230 × 75	Ø 230 × 75
	3.3	Tyre size, rear		Ø 85 × 105 (Ø 85 × 80) <sup>5)</sup>	Ø 85 × 105 (Ø 85 × 80) <sup>5)</sup>
	3.4	Auxiliary wheels (dimensions)		2x Ø 125 × 40	2x Ø 125 × 40
	3.5	Wheels, number front/rear (x = driven wheels)		1x + 2/2 (1x + 2/4) <sup>5)</sup>	1x + 2/2 (1x + 2/4) <sup>5)</sup>
	3.6	Tread, front	b10 (mm)	482 <sup>2)</sup>	482 <sup>2)</sup>
Dimensions	3.7	Tread, rear	b11 (mm)	355/375/395/515 <sup>2)</sup>	355/375/395/515 <sup>2)</sup>
	4.4	Lift	h3 (mm)	125 <sup>6)</sup>	125 <sup>6)</sup>
	4.9	Height drawbar in driving position min./max.	h14 (mm)	1186/1306	1186/1306
	4.15	Height, lowered	h13 (mm)	86	86
	4.19	Overall length	l1 (mm)	2102 (2172) <sup>2)3)7)</sup>	2102 (2172) <sup>2)3)7)</sup>
	4.20	Length to fork face	l2 (mm)	952 (1022) <sup>2)3)7)</sup>	952 (1022) <sup>2)3)7)</sup>
	4.21	Overall width	b1/b2 (mm)	720 <sup>2)</sup>	720 <sup>2)</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>2)</sup>	520/540/560/680 <sup>2)</sup>
	4.32	Ground clearance, centre of wheelbase	m2 (mm)	32/157 <sup>8)9)</sup>	32/157 <sup>8)9)</sup>
Performance data	4.34.1	Aisle width for pallets 1000 × 1200 crossways	Ast (mm)	2659/2718 (2732/2791) <sup>1)3)10)11)</sup>	2659/2718 (2732/2791) <sup>1)3)10)11)</sup>
	4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast (mm)	2550/2580 (2623/2653) <sup>1)3)10)11)</sup>	2550/2580 (2623/2653) <sup>1)3)10)11)</sup>
	4.35	Turning radius	Wa (mm)	1851/1917 (1924/1990) <sup>1)3)10)11)</sup>	1851/1917 (1924/1990) <sup>1)3)10)11)</sup>
	5.1	Travel speed, laden/unladen	km/h	8.5/8.5 <sup>12)</sup>	8.5/8.5 <sup>12)</sup>
	5.2	Lifting speed, laden/unladen	m/s	0.036/0.042 <sup>12)</sup>	0.033/0.042 <sup>12)</sup>
	5.3	Lowering speed, laden/unladen	m/s	0.065/0.035	0.069/0.035
Electric-engine	5.8	Max. gradeability, laden/unladen	%	8.0/11.0 <sup>13)</sup>	8.0/11.0 <sup>13)</sup>
	5.9	Acceleration time, laden/unladen	s	6.1/5.4	6.1/4.8
	5.10	Service brake		Electromagnetic	Electromagnetic
	6.1	Drive motor rating S2 60 min	kW	1.3	1.3
	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		BS; 43 535 B/2PzS	BS; 43 535 B/2PzS
	6.4	Battery voltage/nominal capacity K 5	(V)/(Ah) o. kWh	24/150 (24/250) <sup>3)</sup>	24/150 (24/250) <sup>3)</sup>
	6.5	Battery weight (±5%)	kg	133/170 (162/240) <sup>3)9)</sup>	133/170 (162/240) <sup>3)9)</sup>
Drive/lifting mechanism	6.6	Energy consumption according to DIN EN 16796	kWh/h	0.25	0.29
	6.6.1	CO <sub>2</sub> equivalent according to DIN EN 16796	kg/h	0.14	0.16
	6.7	Turnover output according to VDI 2198	t/h	110	140
	6.8	Turnover efficiency according to VDI 2198	t/kWh	163	176
	8.1	Type of drive unit		KWPC	KWPC
Add. data	10.7	Sound pressure level LpAZ (at the operator's seat)	dB(A)	65 <sup>14)</sup>	65 <sup>14)</sup>

1) Forks upraised/lowered

2) (±5 mm)

3) Short version with BS cells. Figures in ( ) = 2PzS.

4) (±10%)

5) Figures in parenthesis with tandem load wheels.

6) (0/-5 mm)

7) -332 mm with folded platform.

8) (±2 mm)

9) min./max.

10) -325 mm with folded platform.

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

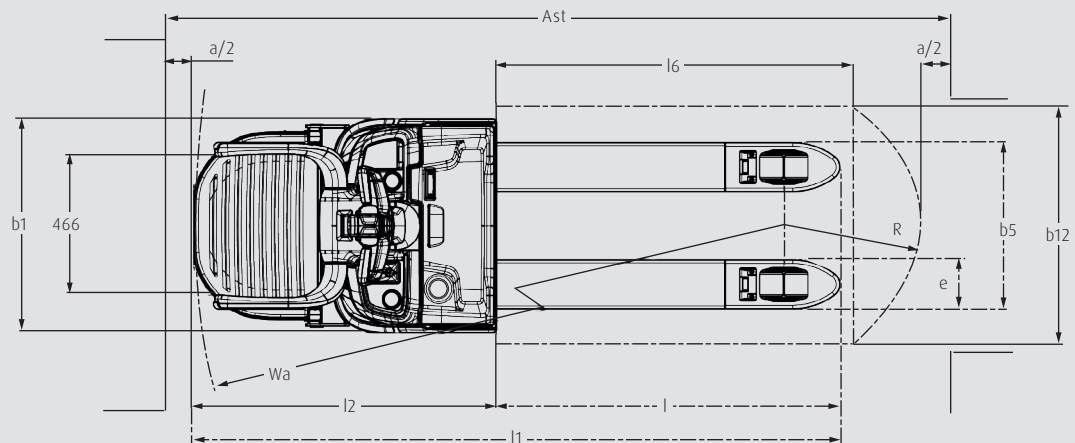
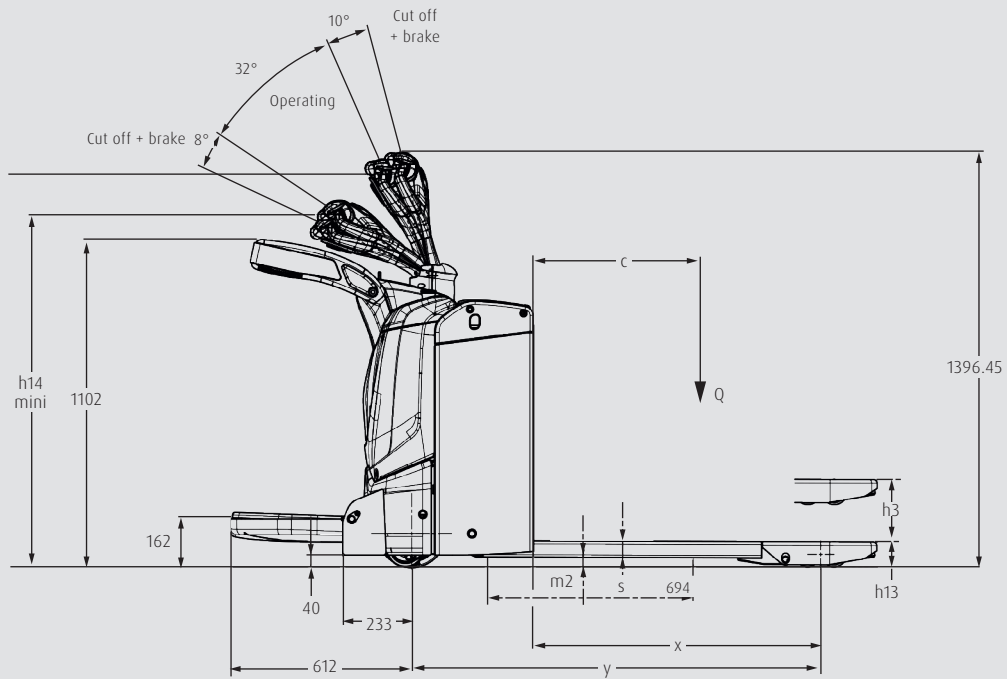
12) (±5%)

13) Unladen: mechanical crossing with auto adjustable castor wheels, avoid full speed when driving downwards.

14) (±2.5)



## T16 - T20 P



# 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.

Linde Material Handling

*Linde*

DS\_T16-T20\_P\_1155\_en\_B\_0725

**ncnielsen**

Nørregade 66, DK-7860 Balling | Tlf.: +45 99 83 83 83  
nc-nielsen.dk | info@nc-nielsen.dk