



## Pallet Trucks

# T20 – T25 FP

Capacity 2.0 t – 2.5 t | Series 1153

PB

ION

H2

### Maneuverability in the tightest of spaces

- 720 mm wide chassis and power steering ensure high maneuverability
- Top speed of 14 km/h (optional) enables fast and efficient load transport
- Steel chassis ensures driver protection in the event of a collision
- Optional fully suspended operator compartment offers comfortable driving experience
- Independent braking systems and dead man's switches protect driver and load



# STANDARD AND OPTIONAL EQUIPMENT

Manufacturer's type designation/equipment		T20 FP	T25 FP
Safety	Key switch	●	●
	Log in PIN code	○	○
	Linde BlueSpot – visual warning of truck presence mounted on accessory support	○	○
	Lift end stop sensor	○	○
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 connect:dt – recognition and tracing of damages done to the truck	○	○
	Bluetooth USB stick	○	○
Operation/ load handling	Low speed if initial lift low	○	○
Environment	Cold store -35 °C (in/out)	○	○
Workplace	Fully suspended operator compartment	○	○
	Height adjustable console	○	○
	Front bow	○	○
	Front support data terminal	○	○
	Front power supply cable 24 V	○	○
	Front scanner support	○	○
	Front clipboard	○	○
	Load backrest 1200 mm and 1800 mm	○	○
	Working lamp	○	○
	Basic rounded display	●	●
	Multifunction coloured display incl. hour meter, maintenance indication, battery discharge indicator and internal fault code indication	○	○
Attachment/ forks	Fork carriage: 520 mm, 540 mm, 560 mm, 680 mm	○	○
	Fork length up to 2400 mm	○	○
	Overhang: 188 mm, 563 mm	○	○
Axles and tyres	Drive wheel heavy duty, polyurethane non-marking	●	●
	Drive wheel high grip, polyurethane non-marking	○	○
	Single load wheel polyurethane (also available in greasable version)	●	●
	Tandem load wheel polyurethane (also available in greasable version)	○	○
	Castor wheels spring cylinder	○	○
	Hydraulic castor wheels, electronically controlled	○	○
Drive and brake-system	Li-ION and lead-acid technology available with different battery capacities	○	○
	Automatic watering system	○	○
	Integrated charger for lead-acid and Li-ION batteries	○	○

● 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		T20 FP	T25 FP
	1.2a	Series		1153-02	1153-02
	1.3	Drive		Battery	Battery
	1.4	Operation		Pedestrian/Stand on	Pedestrian/Stand on
	1.5	Rated capacity/rated load	Q (t)	2.0	2.5
	1.6	Load centre distance	c (mm)	600	600
	1.8	Load distance, centre of drive axle to fork	x (mm)	905/975 <sup>12)</sup>	905/975 <sup>12)</sup>
	1.9	Wheelbase	y (mm)	1408/1478 <sup>12)</sup>	1408/1478 <sup>12)</sup>
Weight	2.1	Service weight	kg	870 <sup>3/4)</sup>	870 <sup>3/4)</sup>
	2.2	Axle loading, laden front/rear	kg	1146/1724 <sup>3/4)</sup>	1254/2116 <sup>3/4)</sup>
	2.3	Axle loading, unladen front/rear	kg	720/150 <sup>3/4)</sup>	720/150 <sup>3/4)</sup>
Tyres/chassis	3.1	Tyres: solid rubber, superelastic, pneumatic, polyurethane		R+P/P <sup>5)</sup>	R+P/P <sup>5)</sup>
	3.2	Tyre size, front		Ø 230 × 90/230 × 100	Ø 230 × 90/230 × 100
	3.3	Tyre size, rear		Ø 85 × 85 (Ø 85 × 60) <sup>6)</sup>	Ø 85 × 85 (Ø 85 × 60) <sup>6)</sup>
	3.4	Auxiliary wheels (dimensions)		Ø 125 × 60	Ø 125 × 60
	3.5	Wheels, number front/rear (x = driven wheels)		1x + 2/2 (1x + 2/4) <sup>6)</sup>	1x + 2/2 (1x + 2/4) <sup>6)</sup>
	3.6	Tread, front	b10 (mm)	502 <sup>2)</sup>	502 <sup>2)</sup>
	3.7	Tread, rear	b11 (mm)	380 <sup>2)</sup>	380 <sup>2)</sup>
Dimensions	4.4	Lift	h3 (mm)	125 <sup>2)</sup>	125 <sup>2)</sup>
	4.9	Height drawbar in driving position min./max.	h14 (mm)	1100/1100 <sup>2)</sup>	1100/1100 <sup>2)</sup>
	4.15	Height, lowered	h13 (mm)	86 <sup>7)</sup>	86 <sup>7)</sup>
	4.19	Overall length	l1 (mm)	2320 <sup>2/8)</sup>	2320 <sup>2/8)</sup>
	4.20	Length to fork face	l2 (mm)	1170 <sup>2/8)</sup>	1170 <sup>2/8)</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)	35 <sup>9)</sup>	35 <sup>9)</sup>
	4.34.2	Aisle width for pallets 800 x 1200 lengthways	Ast (mm)	2792/2824 <sup>8/10/11)</sup>	2792/2824 <sup>8/10/11)</sup>
	4.35	Turning radius	Wa (mm)	2095/2165 <sup>8/10)</sup>	2095/2165 <sup>8/10)</sup>
Performance data	5.1	Travel speed, laden/unladen	km/h	10/12 <sup>12)</sup>	10/12 <sup>12)</sup>
	5.2	Lifting speed, laden/unladen	m/s	0.036/0.046 <sup>4)</sup>	0.028/0.036 <sup>4)</sup>
	5.3	Lowering speed, laden/unladen	m/s	0.09/0.089 <sup>4)</sup>	0.066/0.072 <sup>4)</sup>
	5.8	Max. gradeability, laden/unladen	%	13.0/20.0	11.0/20.0
	5.9	Acceleration time, laden/unladen	s	5.9/5.1	6.1/4.1
	5.10	Service brake		Electromagnetic	Electromagnetic
Electric-engine	6.1	Drive motor rating S2 60 min	kW	3 (2.3) <sup>13)</sup>	3 (2.3) <sup>13)</sup>
	6.2	Lift motor rating at S3 15%	kW	1.2	1.5
	6.3	Battery according to DIN 43531/35/36 A, B, C, no		43 535 B/3PzS	43 535 B/3PzS
	6.4	Battery voltage/nominal capacity K 5	(V)/(Ah) o. kWh	24/345/375	24/345/375
	6.4.a	Battery energy content	kWh	7.2	7.2
	6.5	Battery weight (±5%)	kg	287	287
	6.6	Energy consumption according to DIN EN 16796	kWh/h	0.34	0.39
	6.6.1	CO <sup>2</sup> equivalent according to DIN EN 16796	kg/h	0.18	0.21
	6.7	Turnover output according to VDI 2198	t/h	144 <sup>14)</sup>	177.5 <sup>14)</sup>
	6.8	Turnover efficiency according to VDI 2198	t/kWh	99.3	107.6
Drive/lifting mechanism	8.1	Type of drive unit		AC control	AC control
Additional data	10.7	Sound pressure level LpAZ (at the operator's seat)	dB(A)	62 <sup>15)</sup>	62 <sup>15)</sup>

1) Forks upraised/lowered

2) (±5 mm)

3) Figures with battery, see line 6.4/6.5.

4) (±10%)

5) Solid rubber + polyurethane/polyurethane

6) Figures in parenthesis with tandem load wheels.

7) (-0/+5 mm)

8) +75 mm = 4 PzS side change

9) (±2 mm)

10) Platform raised/lowered.

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

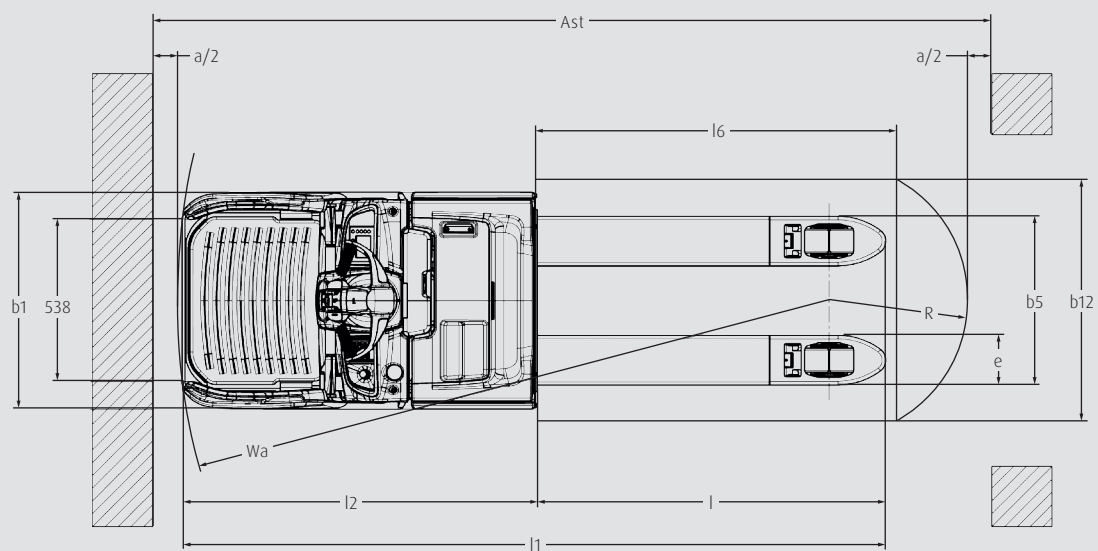
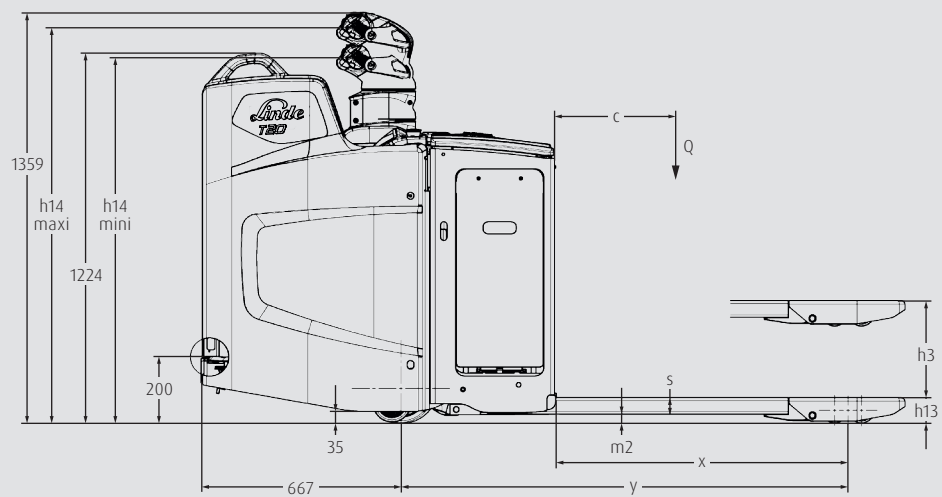
12) (±5%)

13) Figures in parenthesis for optional "Travel speed 8 km/h"

14) CO<sup>2</sup> equivalent 0.78 kg/h

15) (±2.5)

16) CO<sup>2</sup> equivalent 0.89 kg/h



# CHARACTERISTICS



Operator remains safe within the chassis contours

## Safety

- Low steel chassis protects the driver in minor collisions
- Complete surface of the driver's platform functions as dead man's switch
- Independent braking systems protect driver and load
- Automatically adjusted speed when cornering prevents overturning
- Optional Linde BlueSpot for improved vehicle visibility



Ergonomic, height adjustable control handle

## Ergonomics

- Ergonomic control handle for comfortable and precise handling
- Optional height adjustable control handle can be adapted to the needs of the driver
- Optional fully suspended operator compartment protects against vibrations and shocks
- Generous storage compartments offer space for work equipment



Easy maneuverability with a compact chassis

## Handling

- Compact chassis and power steering make the vehicle extremely maneuverable
- Load capacity of 2000 and 2500 kg ensures efficient load transport
- Powerful 2.3 kW motor enables strong acceleration
- Top speeds of up to 14 km/h (optional) allow fast load transport



Easy access to all data with multifunction display

## Service

- CAN bus connection enables fast analysis of vehicle data using a laptop computer
- Free access to relevant vehicle components facilitates maintenance
- Maintenance-free AC drive ensures short downtimes
- Digital instrument display provides an overview of important data

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.



DS\_T20-T25 FP\_1153\_en\_D\_0725

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