Linde Material Handling

Pallet Trucks

T20 – T25 AP N

Capacity 2.0 t – 2.5 t | Series 1153

PB ION

Ergonomic all-rounder

→ Pedestrian or rider pallet truck for efficient transport of loads up to 2.5 tons
→ Folding operator's platform for flexible use in pedestrian operation
→ Compact design for maximum manoeuvrability in confined spaces
→ Innovative castor wheels for optimum traction and stability
→ Perfect for loading and unloading heavy goods and load transport over longer distances


Linde
T20


Linde
T20

STANDARD AND OPTIONAL EQUIPMENT

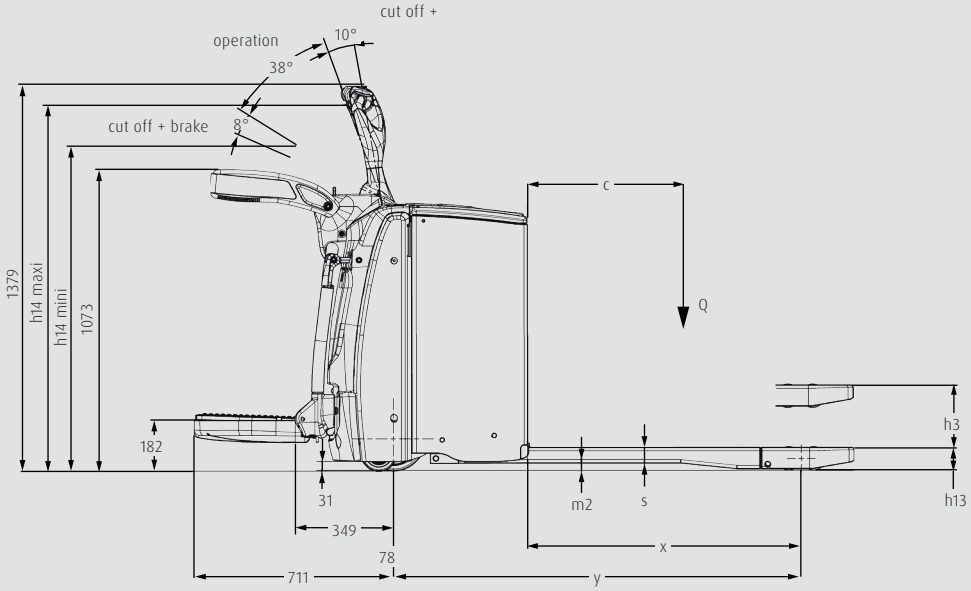
	Manufacturer's type designation/equipment	T20 AP N	T25 AP N
Safety	Progressive speed reduction depending on the steering angle	●	●
	Automatic parking brake	●	●
	Electromagnetic emergency brake acting proportionally to the load weight	●	●
	Folding stand-on platform with side guards	●	●
	BlueSpot – optical drive path warning for pedestrians and other operators	○	○
Service	CAN bus technology	○	○
Digitalisation	Linde connect:ac access control – via PIN or RFID	○	○
	Linde connect:an usage analysis – digital usage analysis	○	○
	Linde connect:dt crash detection – electronic damage monitor	○	○
	Data transmission online	○	○
	Data transmission WiFi	○	○
	Bluetooth USB stick	○	○
Operation/ load handling	Creep speed – for operation with tiller in vertical position	●	●
	Load backrest: height above forks = 1200 mm or 1800 mm	○	○
	Lift end stop sensor	○	○
Environ-ment	Cold store protection: -35° C	○	○
Workspace	Fully suspended operator's compartment – both foot platform and steering unit are suspended	●	●
	Multi-function colour display including hour meter, battery discharge, maintenance due and internal fault code indication	●	●
	Accessory support	○	○
	Support for data terminal and power supply cable 24 V	○	○
	Supports for DIN A4 clipboard and scanner	○	○
Attachment/ forks	Widths over fork carriage from 520 to 680 mm	○	○
	Fork lengths from 1000 to 2400 mm	○	○
Axles and tyres	Drive wheel, heavy duty	●	●
	Drive wheel, high grip	○	○
	Single load wheel, polyurethane	●	●
	Single load wheels, polyurethane greasable	○	○
	Tandem load wheels, polyurethane	○	○
	Tandem load wheels, polyurethane greasable	○	○
	Castor wheels, spring suspended	●	●
	Hydraulic castor wheels, electronically controlled	○	○
Drive and brake system	Power assisted steering with variable steering resistance	●	●
	2.3 kW AC maintenance-free drive motor	●	●
Lighting	Working lamp LED front – with on/off switch	○	○
Energy	Li-ION technology available – different battery capacities depending on model with laterally or vertically mounted opportunity charging plug	○	○
	On-board charger for lead-acid and Li-ION batteries	○	○
	External chargers available	○	○
	Battery compartment 3 PzS, vertical change	●	●
	Battery compartment, 2 PzS, 4 PzS, vertical change	○	○
	Battery compartment, 3 PzS, 4 PzS, lateral change	○	○
	Battery stand – fixed or mobile	○	○

● 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 AP N**	**T25 AP N**
	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)	895/965[1)2)]	895/965[1)2)]
Weight	1.9	Wheelbase	y (mm)	1408/1478[1)2)]	1408/1478[1)2)]
	2.1	Service weight	kg	875[3)4)]	875[3)4)]
	2.2	Axle loading, laden front/rear	kg	1121/1754[3)4)]	1226/2149[3)4)]
Tyres/chassis	2.3	Axle loading, unladen front/rear	kg	710/165[3)4)]	710/165[3)4)]
	3.1	Tyres: solid rubber, superelastic, pneumatic, polyurethane		R+P/P[5)]	R+P/P[5)]
	3.2	Tyre size, front		Ø 230 × 90	Ø 230 × 90
	3.3	Tyre size, rear		Ø 85 × 85 (Ø 85 × 60)[6)]	Ø 85 × 85 (Ø 85 × 60)[6)]
	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)[6)]	1x + 2/2 (1x + 2/4)[6)]
	3.6	Tread, front	b10 (mm)	502[2)]	502[2)]
	3.7	Tread, rear	b11 (mm)	380[2)]	380[2)]
Dimensions	4.4	Lift	h3 (mm)	125[2)]	125[2)]
	4.9	Height drawbar in driving position min./max.	h14 (mm)	1160/1300[2)]	1160/1300[2)]
	4.15	Height, lowered	h13 (mm)	86[7)]	86[7)]
	4.19	Overall length	l1 (mm)	1983/2345[2)8)]	1983/2345[2)8)]
	4.20	Length to fork face	l2 (mm)	833/1195[2)8)]	833/1195[2)8)]
	4.21	Overall width	b1/b2 (mm)	720[2)]	720[2)]
	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[2)]	520/540/560/680[2)]
	4.32	Ground clearance, centre of wheelbase	m2 (mm)	30[9)]	30[9)]
	4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast (mm)	2436/2759[8)10)]	2436/2759[8)10)]
	4.35	Turning radius	Wa (mm)	1733/2095[8)]	1733/2095[8)]
Performance	5.1	Travel speed, laden/unladen	km/h	10/10[11)]	10/10[11)]
	5.2	Lifting speed, laden/unladen	m/s	0.036/0.046[4)]	0.028/0.036[4)]
	5.3	Lowering speed, laden/unladen	m/s	0.09/0.089[4)]	0.066/0.072[4)]
	5.8	Max. gradeability, laden/unladen	%	12.0/20.0	10.0/20.0
	5.9	Acceleration time, laden/unladen	s	6.0/4.8	6.2/4.8
	5.10	Service brake		Electromagnetic	Electromagnetic
Electric-engine	6.1	Drive motor rating S2 60 min	kW	2.3	2.3
	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 K5	(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	Power consumption according to VDI cycle	kWh/h	-	0.45
	6.6	Energy consumption according to DIN EN 16796	kWh/h	0.41	-
	6.6.1	CO2 equivalent according to DIN EN 16796	kg/h	0.22	-
	6.7	Turnover output according to VDI 2198	t/h	140.0[12)]	187.0
	6.8	Turnover efficiency according to VDI 2198	t/kWh	98.6	111
Drive/lifting mechanism	8.1	Type of drive unit		LAC	LAC
Additional data	10.7	Sound pressure level LpAZ (at the operator's seat)	dB(A)	61[13)]	61[13)]

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) Platform raised/lowered
9) (± 2 mm)
10) Including a 200 mm (min.) operating aisle clearance
11) (± 5%)
12) CO2 Equivalent 0,77 kg/h
13) (± 2.5)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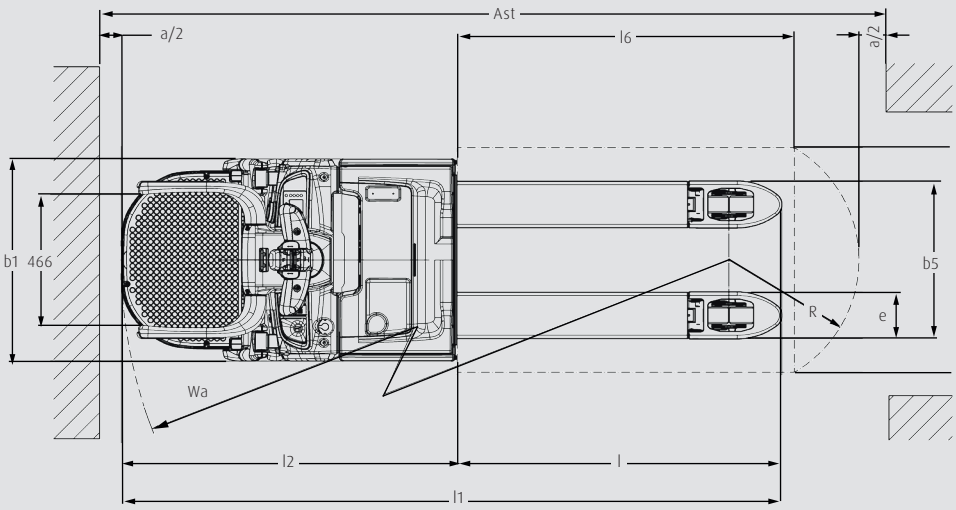
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CHARACTERISTICS

Robust and foldable side guards

Safety

→ Folding side guards for full protection of the operator
→ Proportional speed reduction in curves for enhanced stability
→ Smooth braking and dead man switch function for safe operation
→ Optional load backrest for protection against falling loads
→ Optional Linde BlueSpot for increased safety in areas with poor visibility

Folding, fully suspended platform

Ergonomics

→ Fully suspended stand-on platform for low-vibration operation
→ Ergonomic location of all controls for efficient operation
→ Ergonomic tiller head for effortless, one-handed operation
→ Multi-function display for easy access to truck information
→ Spacious storage compartment for work equipment

Compact chassis

Handling

→ Powerful 2.3 kW three-phase AC motor
→ Maximum speed up to 10 km/h for fast transport
→ Extremely narrow chassis for manoeuvrability in confined spaces
→ Creep speed function for precise manoeuvring
→ Optimum stability due to innovative castor wheels

Ragged construction

Service

→ Maintenance-free motor for maximum availability
→ Proven components for reliable operation
→ Robust construction for high durability and long service life
→ Easily accessible components for ease of maintenance
→ CAN bus connection for fast access to all vehicle data

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