



## Stand-on Pallet Truck Capacity 2000 kg T 20 S

SERIES 144

### Safety

The operator is always well protected within the chassis contours. A deadman foot switch ensures instant braking response when necessary. The T 20 S comes rapidly to a smooth stop thanks to an electromagnetic brake which acts proportionally to the load on the forks. Due to its compact chassis, the fork tips are easily visible ensuring safe load handling.

### Performance

One of the truck's great strengths is its productivity. The compact drive unit permits precise manoeuvring allowing the operator to make the most of the truck's high performance. With a capacity of 2,000 kg, and a powerful 2 kW drive motor providing a maximum speed of 12 km/h, the Linde T20S Stand-On Pallet Truck is ideally suited to intensive lorry loading and unloading and rapid pallet transfer applications.

### Comfort

Electric power steering with positive feedback makes the truck very easy to control. A wheel spinner on the steering wheel takes the hard work out of tight turns.

A choice of two backrests and a 3 position platform height adjustment ensures every operator can find the optimum driving position for both comfort and visibility.

### Reliability

Rugged construction and the use of tried and tested components make this a truck that can be relied on.

The forks are formed from heavy gauge steel with cast tips, each of which can withstand a 2,000 kg load without deformation. Smooth fork entry into close pallets is assured by the profiled shape of the fork tips and the entry skid. These features guarantee a longer operating life combined with fast, safe and easy load handling.

### Service

Linde Pallet Trucks are designed to deliver high levels of productivity over many years for lower maintenance costs. The Linde multifunction back-lit display provides the operator with all necessary information about the truck. Features such as swift access to all components and electronics sealed in aluminium housings protecting them from vibration, dust and humidity play their part in increasing truck uptime and availability.

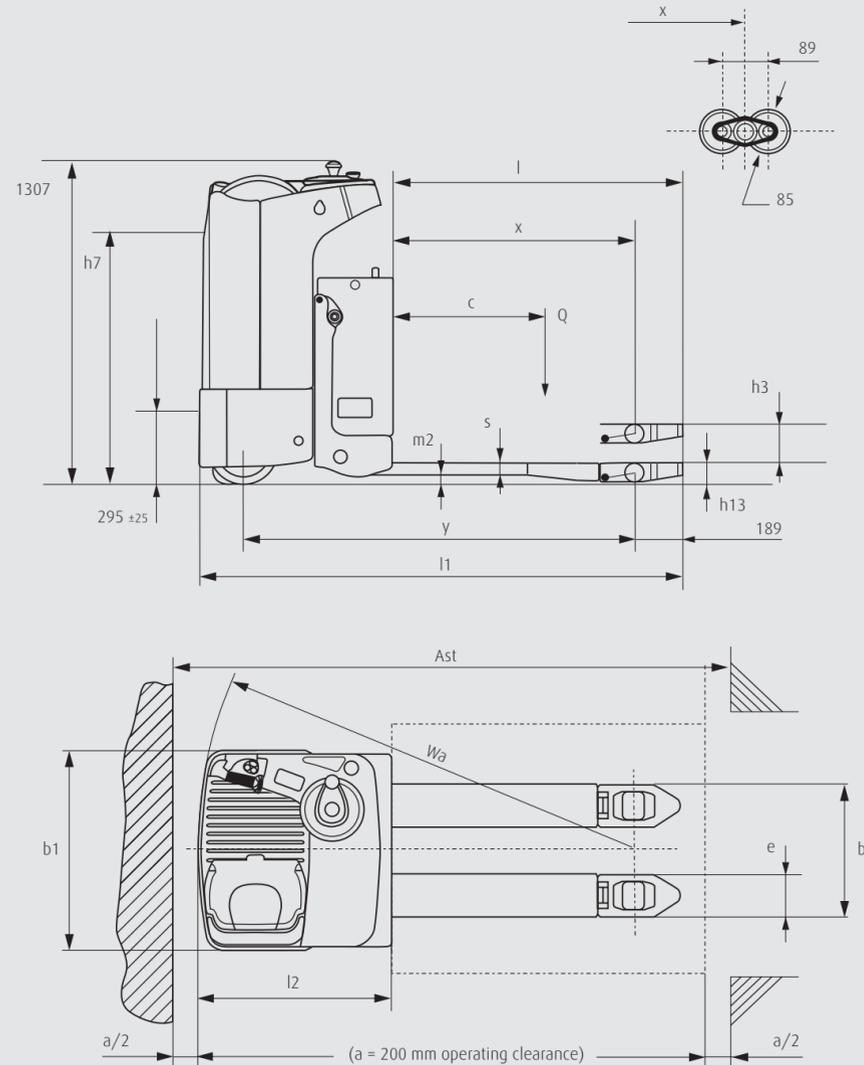
Linde Material Handling

*Linde*

# Technical data (according to VDI 2198)

Characteristics	1.1	Manufacturer	LINDE	
	1.2	Model designation	T 20 S	
	1.3	Power unit: battery, diesel, petrol, LP gas, mains power	Battery	
	1.4	Operation: manual, pedestrian, stand-on, seated, order picker	Stand-on	
	1.5	Load capacity	Q (kg)	2000
Weights	1.6	Load centre	c (mm)	600
	1.8	Axle centre to fork face	x (mm)	880/960 <sup>1)</sup>
	1.9	Wheelbase	y (mm)	1564
Chassis	2.1	Service weight	kg	860 <sup>2)</sup>
	2.2	Axle load with load, drive side/load side	kg	1145/1715
	2.3	Axle load without load, drive side/load side	kg	650/210
	3.1	Tyres solid rubber (R), contoured solid, pneumatic, Polyurethane (P)		R + P/P
	3.2	Tyre size, drive side	mm	ø 250 x 105
Dimensions	3.3	Tyre size, load side	mm	ø 85 x 105 (2 x ø 85 x 80) <sup>3)</sup>
	3.4	Auxiliary wheels (dimensions)		2 x ø 140 x 50
	3.5	Wheels, number drive side/load side (x = driven)		1x+2/2 (1x + 2/4) <sup>3)</sup>
	3.6	Track width, drive side	b10 (mm)	490
	3.7	Track width, load side	b11 (mm)	355
	4.4	Lift	h3 (mm)	125
	4.8	Seat height	h7 (mm)	1020
	4.9	Height of tiller arm in operating position, min./max.	h14 (mm)	-
	4.15	Fork height, lowered	h13 (mm)	85
	4.19	Overall length	l1 (mm)	1925
	4.20	Length to fork face	l2 (mm)	775
	4.21	Overall width	b1/b2 (mm)	790
	4.22	Fork dimensions	s/e/l (mm)	55/165/1150
	4.25	Fork spread, minimum/maximum	b5 (mm)	520 (680)
	4.32	Ground clearance, centre of wheelbase	m2 (mm)	30
4.33	Aisle width with pallets 1000 x 1200 crosswise	Ast (mm)	1975	
4.34	Aisle width with pallets 800 x 1200 lengthwise	Ast (mm)	2175	
4.35	Turning radius	Wa (mm)	1657/1735 <sup>1)</sup>	
Performance	5.1	Travel speed, with/without load	km/h	9.0/12.0
	5.2	Lifting speed, with/without load	m/s	0.035/0.055
	5.3	Lowering speed, with/without load	m/s	0.064/0.062
	5.7	Climbing ability, with/without load	%	3/14
	5.8	Maximum climbing ability, with/without load	%	12/24
Drive	5.10	Service brake		Electromagnetic
	6.1	Drive motor, 60 minute rating	kW	2.0
	6.2	Lift motor, 15 % rating	kW	1.0
	6.3	Battery according to IEC		254-2; A
	6.4	Battery voltage/rated capacity (5 h)	V/Ah	24/330
Other	6.5	Battery weight (± 5 %)	kg	307
	8.1	Type of drive control		LDC with microprocessor
	8.4	Noise level at operator's ear	dB (A)	68

- 1) Forks raised/lowered  
 2) With battery in line 6.5  
 3) Figures in brackets with tandem load wheels (option)



# Equipment

## Standard equipment

Multifunction back-lit display: Battery discharge indicator, hour meter, service information and error codes...

Steered wheel position indicator included in display

Key switch

Electric power steering

Positive steering feedback

Automatic speed reduction when cornering

Automatic braking

Electromagnetic emergency brake acting proportionally to load weight

Ergonomic operator's compartment with 3 position adjustable platform

Operator's backrest: seat type or curved support

DC motor

Cushion drive wheel

Polyurethane castor wheel

Polyurethane single or tandem load wheels

Front battery change (3PzS)

Battery charging cable and plug

Protected to -10°C

## Optional equipment

Alternative fork dimensions

Drive wheels: polyurethane, non-marking or wet grip

Load wheels: single/tandem polyurethane greaseable

Load backrest

Equalising linkage

Multi-purpose mounting bracket

A4 Clipboard

Front battery change (4PzS)

Side battery change on rollers (3 & 4PzS)

Battery changing legs: static or on castors (for front change)

Battery roller stands: fixed or on castors (for side change)

Additional battery housings for spare batteries

Cold store protection to - 35°C

Other options available on request

# Features

## Electric power steering

- Constant and direct relationship between steering wheel position and drive wheel angle
- Electric power steering with positive feedback
- The compact drive unit is mounted off-centred on the right of the truck and can rotate through 180°
- Low steering effort provides easy, precise manoeuvring

## Chassis & Forks

- Rounded contours, no sharp edges
- Chassis constructed from formed steel pressings results in superior rigidity and durability
- Sturdy forks: each tip can support a 2,000 kg load without deformation
- The hinged motor cover provides fast, easy access to internal components and servicing points



## DC Motor

- Self-ventilating 2.0kW drive motor designed for maximum performance in intensive applications
- Adjustable digital controller: all operating parameters can be customized to suit the application
- Hill start without rollback
- Booster effect for fast acceleration
- Maximum travel speed of 12 km/h



## Operator's compartment

- Sideways standing position ensures all-round visibility when travelling in either direction
- Choice of operator backrest: seat type or curved support
- All controls are within easy reach
- Ergonomic design suits every operator and makes for easy and safe operation
- 3 platform height adjustments
- Excellent visibility when handling tall loads

## Braking

- Electromagnetic braking on release of dead man pedal with hydraulic braking assistance proportional to the load on the forks
- Emergency circuit isolator: interrupts power to the truck and initiates electromagnetic braking
- Automatic electric braking on release of the traction control



## Batteries & chargers

- 24V batteries: capacities from 375 Ah (3PzS) to 500 Ah (4PzS)
- Standard: front battery change (3PzS)
- Option: side change with battery on rollers
- Wide range of battery chargers: wall-mounted units or fast recharge type

## Workstation

- Linde multifunction back-lit display provides all important truck information to guarantee safe, trouble free operation
- Steered wheel position indicator included in display
- Storage compartment under seat type backrest
- Adjustable platform height

Subject to modification in the interests of engineering progress. Illustrations and technical details non-binding for actual construction. All measurements subject to customary tolerances.