



## Rider Seated Pallet Truck Capacity 2000 kg T 20 R

SERIES 140

### Safety

The Linde rider seated pallet truck T20 R is specially designed to optimized load transfers. In addition to three independent braking systems, its low centre of gravity and four point configuration provides assured control of the truck and impressive stability. All the wheels pivot safely within the contour of the chassis.

### Performance

The Linde Digital Controller enables starting on gradients without rollback. The powerful 2 kW drive motor provides a maximum speed of 12km/h to fulfil long distance internal pallet transfer duties and combines with electric steering for effortless manoeuvrability. 125 mm of lift ensures ease of operation on loading ramps and bridging plates for totally versatile performance.

### Comfort

Ergonomically designed operator's compartment features a sideways seating position combines with Linde twin accelerator control for seamless, strain-free travelling and manoeuvring in either direction. A comfort-class suspension seat provides full lateral, lumbar, weight and height adjustments to suit every operator. All operating controls are conveniently positioned for ease of use and a multi-function instrument display keeps the operator informed of the trucks status.

### Reliability

The rugged chassis is constructed using formed high quality steel pressings with minimal components and welds for maximum strength and rigidity. Each reinforced fork tip is able to withstand a 2,000 kg load without deformation. The motors, sub components and electronics are all protected within the robust chassis structure. Consistent reliability and long life is assured with this highly durable range.

### Service

Linde pallet trucks are designed to deliver high levels of productivity over many years with lower operating 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 housing protecting them from vibration, dust and moisture also play their part in maximising truck uptime and availability.

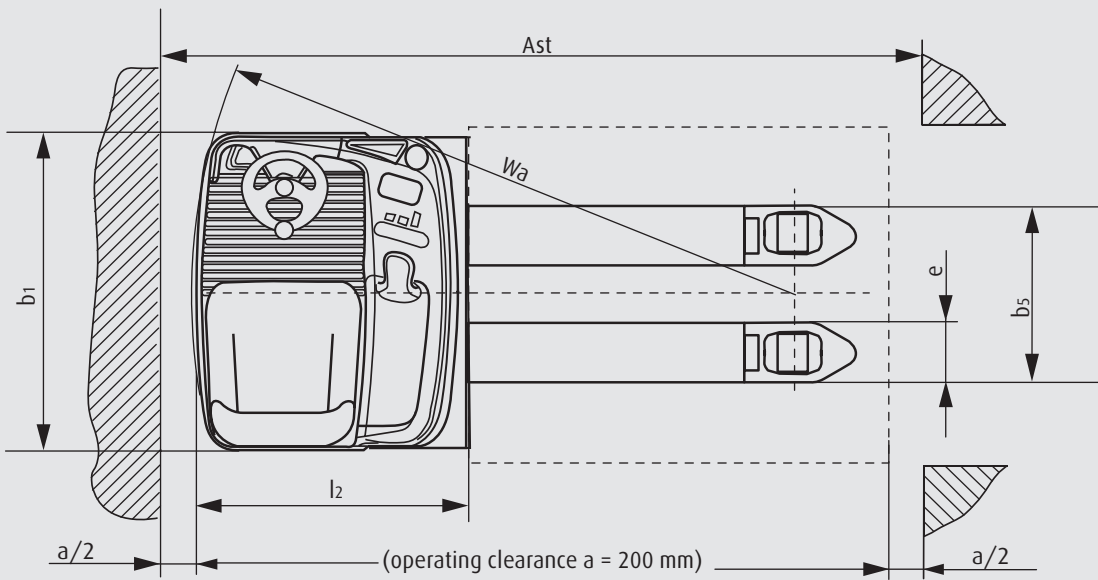
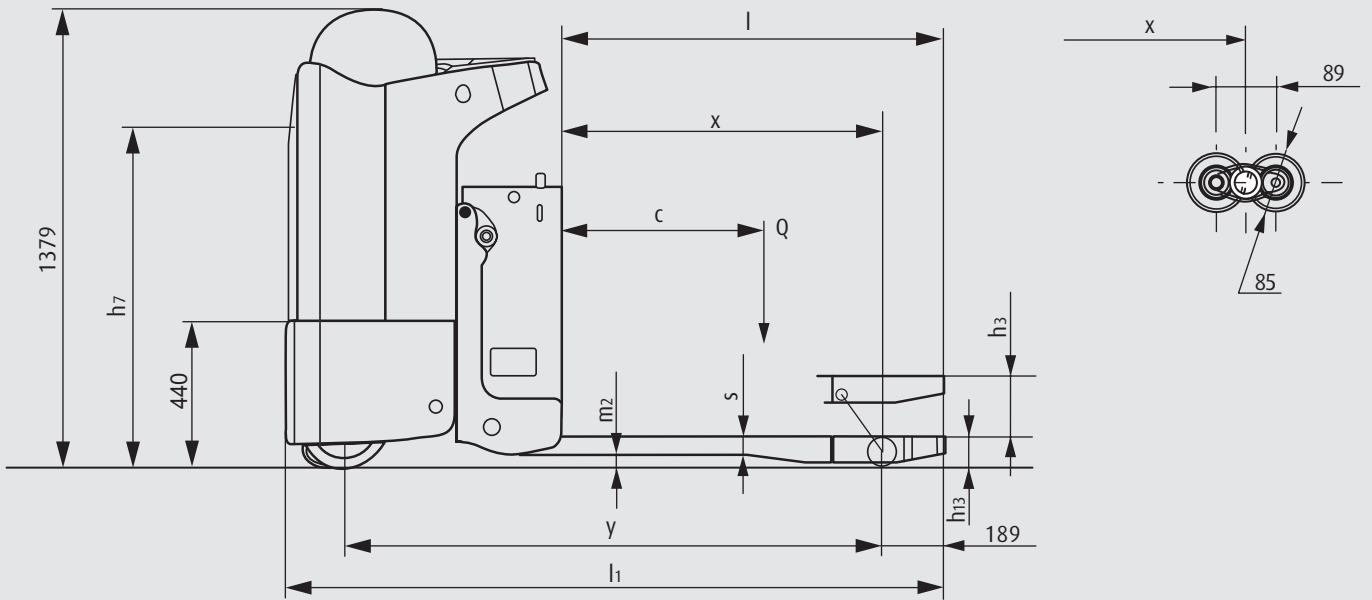
Linde Material Handling

*Linde*

# Technical data (according to VDI 2198)

Characteristics	1.1	Manufacturer		LINDE
	1.2	Model designation		T 20 R
	1.3	Power unit: battery, diesel, petrol, LP gas, mains power		Battery
	1.4	Operation: manual, pedestrian, stand-on, seated, order picker		Seated
	1.5	Load capacity	Q (kg)	2000
	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)	1614
	Weights	2.1	Service weight	kg
2.2		Axle load with load, drive side/load side	kg	1125/1890
2.3		Axle load without load, drive side/load side	kg	765/250
Chassis	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
	3.3	Tyre size, load side	mm	ø 85 x 105 (2 x ø 85 x 80) <sup>4)</sup>
	3.4	Auxiliary wheels (dimensions)		castor 2 x ø 140 x 50
	3.5	Wheels, number drive side/load side (x = driven)		1x+2/2 (1x + 2/4) <sup>4)</sup>
	3.6	Track width, drive side	b10 (mm)	650
	3.7	Track width, load side	b11 (mm)	355
Dimensions	4.4	Lift	h3 (mm)	125
	4.8	Seat height	h7 (mm)	1020
	4.15	Fork height, lowered	h13 (mm)	85
	4.19	Overall length	l1 (mm)	1975
	4.20	Length to fork face	l2 (mm)	819
	4.21	Overall width	b1/b2 (mm)	950
	4.22	Fork dimensions	s/e/l (mm)	55/165/1150
	4.25	Fork spread, minimum/maximum	b5 (mm)	520 (560/680)
	4.32	Ground clearance, centre of wheelbase	m2 (mm)	30
	4.33	Aisle width with pallet 1000 x 1200 crosswise	Ast (mm)	2020
	4.34	Aisle width with pallet 800 x 1200 lengthwise	Ast (mm)	2220
4.35	Turning radius	Wa (mm)	1700/1780 <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
	5.10	Service brake		Electromagnetic
Drive	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
	6.4	Battery voltage/rated capacity (5 h)	V/Ah	24/440
	6.5	Battery weight (± 5%)	kg	381
Other	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) Forks raised  
4) In brackets optional equipment.





# Equipment

## Standard equipment

Power assisted steering with variable steering resistance  
Positive steering (drive wheel) feedback  
Automatic and adjustable speed reduction when cornering  
Single or twin pedal system  
Automatic electric braking  
Electromagnetic emergency brake acting proportionally to the load weight  
Key switch  
Linde Digital Control (LDC) with programmable operating parameters  
Fully adjustable seat - 4 different settings (height, depth, hardness, incline)  
Operator's seat: fabric or PVC

Multifunction backlit instrument display:  
Safety alarm, maintenance check indicator, battery charge level, hour meter  
Steered wheel position indicator included in display  
Cushion rubber drive wheel  
Twin polyurethane castor wheels  
Polyurethane single or tandem load wheels  
Width over forks of 520, 560 or 680 mm with 1150mm forks length  
Front battery change 4 PzS  
Horn  
Protection to -10°C

## Optional equipment

Load backrest  
Alternative fork dimensions  
Equalising linkage (level compensator)  
Support with A4 clipboard  
Multi-purpose mounting bracket (support)  
Drive wheels: polyurethane, cushion rubber non-marking or wet grip  
Load wheels: single/tandem polyurethane greaseable

Front battery change (5PzS)  
Side battery change on rollers (4 & 5PzS)  
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 angle
- Electric power steering with positive feedback
- Low steering effort provides easy, precise manoeuvring and ensures superior driving comfort



## Operator's compartment

- Sideways seated position ensures all-round visibility when traveling in either direction
- Comfortable cushioned arm rest adjacent to all controls for ease of use
- Ergonomic layout for optimum operator comfort, for high efficiency and safe operation
- Adjustable, comfort-class suspension seat for fatigue-free driving posture
- Single or twin accelerator pedal system

## Chassis & Forks

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

## Workstation

- Linde multifunction back-lit display provides all important truck information to ensure safe, trouble free operation
- Steered wheel position indicator included in display
- Electric steering and compact steering wheel for effortless manoeuvrability



## Motor

- Self-ventilating 2.0kW DC drive motor designed for maximum performance
- Adjustable digital controller: all operating parameters can be customized to suit the application
- Hill start without rollback
- Automatic booster effect for fast acceleration when needed
- Max. travel speed of 12 km/h

## Batteries & chargers

- 24V batteries: capacities from 360 Ah (4PzS) to 625 Ah (5PzS)
- Standard: front battery change (4PzS)
- Option: side change with battery on rollers
- Wide range of battery chargers: wall-mounted type or fast recharges type

## Braking

- Electromagnetic braking on release of dead man pedal with hydraulic braking assistance proportional to the load on the forks
- Emergency isolator interrupts all power to the truck and actuates electro-mechanical brake
- Automatic counter-current braking applied when releasing the pedal or by selecting the opposite direction of travel

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

