

Electric Seated Rider Pallet Truck 2000 kg

Linde



140

The Linde rider pallet truck T20R is specially designed to optimize load transfers. This truck is particularly suitable for pallet transport in warehouses and factories over longer travel distances.

Main Features

- LDC electronic drive control (Linde Digital Control) with Microprocessor
- Electric steering
- Automatic braking
- Electromagnetic braking
- Linde twin-pedal control
- Linde-Info-Display (LID).

Driver's compartment

Functional driver's compartment with low access step. The specially designed seat supports every operational body movement, with adjustments to suit every operator. The sideways seating position allows all-round visibility whether the truck is travelling forward or in reverse. All controls are within easy reach, without having to release the handle. This outstanding design makes for easy and safe driving.

Linde-Info-Display (LID)

New multi-functional Linde Info Display (LID): Date, time, battery status, operating hours, service info and warning messages. Precise truck information always guarantees safe and comfortable working conditions.

Chassis

The chassis construction made of folded steel reduces the number of parts and optimizes the welding, ensuring higher rigidity and excellent reliability.

The low centre of gravity provides the truck with excellent stability. A large hinged door gives full access to the technical compartment for easy maintenance.

Transmission

Series wound 2.0kW motor directly mounted on a two stage spur and bevel gearbox with a 1:16.95 reduction ratio. This unit enables a high performance level. The compact gear unit is mounted off-centered on the right and can rotate 180°.

Electric System

The truck is fitted with the advanced 24 V LDC drive control. This MOS-FET controller provides the T20R with exceptionally high acceleration and smooth operation. Starts in gradients are safe as the LDC prevents the truck from rolling back. Additional power can be obtained when needed, thanks to a booster effect. An automatic counter-current braking is applied when releasing the pedals.

Wheels and pallet arms

The T20R is fitted with a rubber drive wheel and an adjustable polyurethane castor wheel. The polyurethane load wheels are fitted with a shrink-wrap protection. Each fork tip can withstand 2000 kg without deformation. Pallet entry – even in closed pallets – is assisted by the profiled shape of the fork ends and an entry skid. Various fork lengths are available.

Hydraulics and lifting

Compact, high output, low consumption motor-driven pump, including a 1.0 kW motor (rating 15%), a high pressure gear pump, a hydraulic tank with incorporated filter,

a lowering mechanism with pressure relief valve. All stress through the cinematic system is carried by forged steel parts ensuring high reliability. An optional equalizing level compensator ensures constant ground contact of all wheels and enables the truck to be driven sideways on gradients without being unbalanced.

Braking

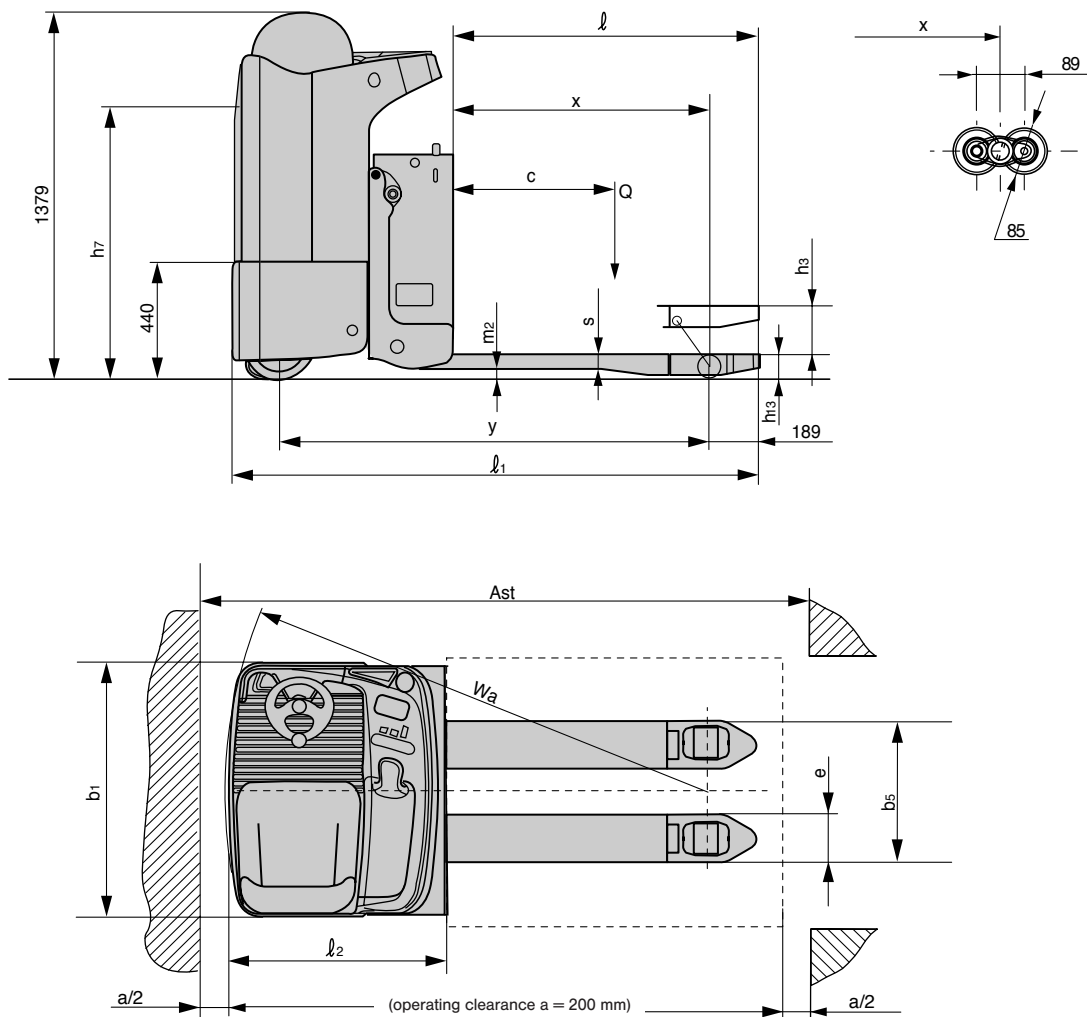
Three independent braking systems:

- Automatic braking when releasing the pedals
- Foot operated electromagnetic brake on the drive motor
- Counter current braking with the LDC electronic drive control
- Automatic park brake when the driver steps off the truck.

Safety

- Three independent braking systems
- Short braking distance
- The operator is always protected in the contours of the driver compartment
- Excellent stability thanks to a low center of gravity
- No sharp edges
- Wheels turn within the confines of the chassis
- Check of all potential short-circuits at start-up
- Emergency stop button

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 center to fork face	x (mm)	880/960 ¹⁾	
	1.9	Wheelbase	y (mm)	1614	
	Weight	2.1	Service weight	kg	1015 ²⁾
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	
Wheels	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 (2x Ø 85 x 80) ⁴⁾	
	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) ⁴⁾	
	3.6	Track width, drive side	b ₁₀ (mm)	650	
	3.7	Track width, load side	b ₁₁ (mm)	355	
Dimensions	4.4	Lift	h ₃ (mm)	125	
	4.8	Seat height	h ₇ (mm)	1020	
	4.15	Fork height, lowered	h ₁₃ (mm)	85	
	4.19	Overall length	ℓ ₁ (mm)	1975	
	4.20	Length to fork face	ℓ ₂ (mm)	819	
	4.21	Overall width	b ₁ /b ₂ (mm)	950	
	4.22	Fork dimensions	s/e/ℓ (mm)	55 x 165 x 1150	
	4.25	Fork spread, minimum/maximum	b ₅ (mm)	520 (560/680)	
	4.32	Ground clearance, centre of wheelbase	m ₂ (mm)	30	
	4.33	Aisle width with pallet 1000 x 1200 crosswise	A _{st} (mm)	2020	
	4.34	Aisle width with pallet 800 x 1200 lengthwise	A _{st} (mm)	2220	
4.35	Turning radius	W _a (mm)	1700/1780 ¹⁾		
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 (5h)	V/Ah	24/440	
	6.5	Battery weight (± 5%)	kg	381	
Misc.	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

- Chassis width: 950 mm
- Electric steering
- Forks: length 1150 mm x width across 520 mm
- Rubber drive wheel and polyurethane castor wheel
- Polyurethane load wheels
- LDC drive control
- Linde-Info-Display (LID)
- Horn
- Key switch
- Battery cable and plug
- Electromagnetic brake.
Automatic counter-current braking and automatic parking brake
- Operator's handbook and spare parts catalogue
- -10°C protection
- Platform and driving logic comply with EC directives

Battery and charger

The T20R is powered by a 24 V battery with capacities ranking from 360 Ah to 550 Ah capacity. It can be supplied with a conventional wall-mounted battery charger.

Options

- Alternative fork lengths and widths
- Load backrest
- Tandem load wheels
- Polyurethane, non-marking or grooved rubber drive wheel
- Level compensator
- Document support/writing pad
- Additional battery cable and connector
- Battery changing legs, static or on rollers
- Side battery removal
- Supplementary set of documentation
- Cold store protection: -30°C
- Single pedal control

Other options available on request.