

## Standard Equipment /Optional Equipment

### Standard Equipment

Narrow chassis width 820mm  
 Key switch or PIN Code access  
 Multifunction coloured display as well as hourmeter, maintenance indication, battery discharge indicator and internal fault code indication  
 Power assisted steering  
 Automatic speed reduction when cornering  
 ECO-Mode with up to 12% energy savings  
 Drive wheel position mentioned in display  
 CAN bus technology

Drive wheel Polyurethane  
 Single load wheels Polyurethane  
 Lateral battery change 3PzS available with an ergonomic battery un/locking with lever & rollers (l2=820mm)  
 Width over fork carriage: 520mm, 540mm, 560mm & 680mm  
 Fork carriage length: 1000mm, 1150mm, 1600mm, 2400mm (overhang 188mm) and 2400mm (overhang 563mm)  
 Standard Fabric Seat  
 Protection -10°C

### Optional Equipment

Drive wheels: cushion rubber, synthetic cushion rubber non marking, wet grip  
 Load wheels: greasable, tandem polyurethane or single polyurethane configuration  
 Lateral battery change 4PzS available with ergonomic battery un/locking with lever & rollers (l2=920mm)  
 Leather seat & seat heating  
 Load backrests with h=1115mm and h=1875mm  
 Floor stability compensator  
 Speed reduction if forks lowered

#### Li-ION technology

Rapid full charge  
 Opportunity charging  
 Rapid intermediate charging  
 Maintenance free  
 Extended lifetime  
 Efficient performance in Cold Store  
 Side plug available

#### Li-ION batteries

Fits in 4 PzS SL compartment: 4,5kWh-9kWh (205Ah-410Ah)  
 Includes battery housing extra weight  
**Li-ION charger**  
 Optimized 24V-Charger v255: full charging time 1h30min (4,5kWh) and 2h40min (9,0kWh)

#### Other options available on request

Mounting pole on left side for optional auxiliary items  
 Mounting pole on right side for flashing beacon  
 Support Clipboard DIN A4 & panoramic mirror  
 Support data terminal incl. power supply cable 24V  
 Mobile or Fixed battery stand  
 Automatic battery watering system  
 Cold store protection -35°C



## Seated Rider Pallet Truck Capacity 2,000 & 2,500 kg T20 R, T25 R

Series 1154

Linde Material Handling

## Features

#### Ergonomics

- Ergonomic-design operator compartment with seat adjustments
- Facilitated lateral battery change
- Metal handle with padded material for easy truck access
- Side-stance position 90° allows excellent visibility in both directions

#### Handling

- Chassis width b1 = 820mm
- Initial lift = 125mm
- Excellent manoeuvrability when operating in lorries and other confined spaces
- High seated position for excellent visibility
- Stable 4 point configuration
- Floor compensator option



#### Workstation

- Multifunctional instrument display with easy ergonomic menu. Truck access control by PIN code or ignition key
- Storage compartment for work gloves, writing utensils etc.
- Options: Support clipboard DIN A4, Flashing beacon. Panoramic mirror
- Preparation for data terminal
- Emergency isolator located for instant actuation



#### TipControl®

- Traction, lift controls and horn are ergonomically integrated in one single control unit
- Enables precision, finger tip control
- Height adjustable hand support



#### Comprehensive energy solutions

- 24V batteries: capacities from 345 Ah (3PzS) to 500 Ah (4PzS)
- Standard Lateral change including rollers inside the battery compartment to aid battery change
- Lever initiates battery change preventing direct contact
- Li-ION batteries with 4,5kWh(205Ah) and 9,0kWh(410Ah)
- Rapid full charge in 1h30min with optimized charger

#### Multiple seating options

- Standard fabric seat or leather seat available
- Seat heating available as option
- Three independent adjustments systems: backrest adjustable, length adjustable, weight adjustable for operator's comfort
- Adjustable foot platform designed for easy truck access
- All controls easily accessible

#### Drive control and settings

- Steering torque automatically adjusts to traction speed and turning radius
- Traction speed automatically reduces in relation to the steering angle
- ECO-Mode up to 12% energy savings to finish shift with low battery status



#### AC drive motor

- Powerful, 3 kW maintenance-free AC drive motor
- Moisture and dust proof
- Maximum 15% gradient performance (laden)
- No roll back on gradient starts
- High torque motor negotiates loading docks with ease
- Motor cover swings out with operator seat

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Linde Material Handling

# Technical Data according to VDI 2198

		LINDE		LINDE	
Characteristics	1.1	Manufacturer		LINDE	LINDE
	1.2	Manufacturer's type designation		<b>T20R</b>	<b>T25R</b>
	1.2a	Series		1154-01	1154-01
	1.3	Power unit		Battery	Battery
	1.4	Operation		Seat	Seat
	1.5	Load capacity/Load	Q (t)	2.0	2.5
	1.6	Load centre distance	c (mm)	600	800
	1.8	Axle centre to fork face	x (mm)	895 / 965 <sup>1)2)</sup>	1345 / 1415 <sup>1)2)</sup>
	1.9	Wheelbase	y (mm)	1552 / 1622 <sup>1)2)</sup>	2002 / 2072 <sup>1)2)</sup>
Weights	2.1	Service weight	(kg)	889 <sup>3)4)</sup>	968 <sup>3)4)</sup>
	2.2	Axle load with load, front/rear	(kg)	1049 / 1840 <sup>3)4)</sup>	1429 / 2039 <sup>3)4)</sup>
	2.3	Axle load without load, front/rear	(kg)	669 / 220 <sup>3)4)</sup>	748 / 220 <sup>3)4)</sup>
Wheels/Tyres	3.1	Tyres rubber, SE, pneumatic, polyurethane		V+P/P <sup>5)</sup>	V+P/P <sup>5)</sup>
	3.2	Tyre size, front		Ø 254 x 102	Ø 254 x 102
	3.3	Tyre size, rear		Ø 85 x 105 (2x Ø 85 x 80) <sup>6)</sup>	Ø 85 x 105 (2x Ø 85 x 80) <sup>6)</sup>
	3.5	Wheels, number front/rear (x = driven)		1x + 2 / 2 (1x + 2 / 4) <sup>1)</sup>	1x + 2 / 2 (1x + 2 / 4) <sup>1)</sup>
	3.6	Track width, front	b10 (mm)	541 <sup>7)</sup>	541 <sup>7)</sup>
	3.7	Track width, rear	b11 (mm)	395 <sup>7)</sup>	395 <sup>7)</sup>
Dimensions	4.4	Lift	h3 (mm)	125 <sup>7)</sup>	125 <sup>7)</sup>
	4.8	Height of seat/stand on platform	h7 (mm)	1024 <sup>7)</sup>	1024 <sup>7)</sup>
	4.15	Height, lowered	h13 (mm)	88 <sup>7)</sup>	88 <sup>7)</sup>
	4.19	Overall length	l1 (mm)	1970 <sup>7)</sup>	2420 <sup>7)</sup>
	4.20	Length to fork face	l2 (mm)	820 <sup>7)</sup>	820 <sup>7)</sup>
	4.21	Overall width	b1/b2 (mm)	820 <sup>7)</sup>	820 <sup>7)</sup>
	4.22	Fork dimensions DIN ISO 2331	s/e/l (mm)	55 x 165 x 1150	55 x 165 x 1600
	4.25	Fork spread	b5 (mm)	520/540/560/680 <sup>7)</sup>	520/540/560/680 <sup>7)</sup>
	4.32	Ground clearance, centre of wheelbase	m2 (mm)	30 <sup>9)</sup>	30 <sup>9)</sup>
	4.33	Load dimension b12 x l6	b12 x l6 (mm)	-	2x1200 x 800
	4.34	Aisle width predetermined load dimensions	Ast (mm)	-	3856 <sup>9)10)</sup>
	4.34.1	Aisle width for pallets 1000 x 1200 crossways	Ast (mm)	2200 <sup>9)11)</sup>	-
	4.34.2	Aisle width with pallet 800 x 1200 along forks	Ast (mm)	2250 <sup>9)</sup>	-
	4.35	Turning radius	Wa (mm)	1745 / 1815 <sup>1)</sup>	2190 / 2260 <sup>1)</sup>
Performance	5.1	Travel speed, with/without load	(km/h)	10 / 12 <sup>12)</sup>	10 / 12 <sup>12)</sup>
	5.2	Lifting speed, with/without load	(m/s)	0.039 / 0.048 <sup>4)</sup>	0.024 / 0.033 <sup>4)</sup>
	5.3	Lowering speed, with/without load	(m/s)	0.077 / 0.078 <sup>4)</sup>	0.074 / 0.053 <sup>4)</sup>
	5.8	Maximum climbing ability, with/without load	(%)	15.0 / 20.0	12.0 / 20.0
	5.9	Acceleration time, with/without load	(s)	5.9 / 4.5	6.2 / 4.5
	5.10	Service brake		Electro-magnetic	Electro-magnetic
Drive	6.1	Drive motor rating S2 60 min	(kW)	3	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 [Li-ION (4PzS)]	43 535/B 3PzS [Li-ION (4PzS)]
	6.4	Battery voltage/rated capacity (5h)	(V)/(Ah)	24 / 345/375 [23/205] <sup>13)</sup>	24 / 345/375 [23/205] <sup>13)</sup>
	6.5	Battery weight (+ 5%)	(kg)	287 [312] <sup>13)</sup>	287 [312] <sup>13)</sup>
	6.6	Power consumption according to VDI cycle	(kWh/h)	0.5	0.57
	6.7	Turnover output	(t/h)	144.0	162.0
	6.8	Energy consumption at turnover output	(kWh/h)	1.57	1.59
8.1	Type of drive unit		LAC	LAC	
10.7	Sound pressure level LpAZ (at the driver's seat)	(dB(A))	68 <sup>14)</sup>	71 <sup>14)</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) (+ 2 mm)  
 9) Including a 200 mm (min.) operating aisle clearance.  
 10) With load: pallet 2x 800x1200 mm crosswise  
 11) With fork length 1150 mm  
 12) (+ 5%)  
 13) Figures in [ ] with Li-ION battery see line 6.4  
 14) (+ 2.5)

