Standard Equipment/Optional Equipment

Standard Equipment

- Cushion rubber drive wheel
- Single polyurethane load wheels
- Compact vertical change for BS battery
- Max. lift height to top of the pallet : 804mm
- Protection screen between mast channels
- Compact lifting system for excellent visibility of the forks
- Fork length : 1150 mm
- Width over forks : 560 mm
- Solid and long-lasting Extraal® covers
- Storage for shrink wrap, pens, gloves on the battery cover
- Hour meter and battery discharge indicator
- Key switch or LFM Go (PIN-code access)
- Horn
- Digital LAC controller
- Automatic parking brake
- Protection to –10°C

Optional Equipment

- Drive wheels: polyurethane, non-marking, wet grip, treaded polyurethane, treaded cushion
- Load wheels: tandem polyurethane or tandem polyurethane greaseable
- Fork length : 1190 mm
- Width over forks : 520 mm
- Creep speed activated from the tiller head
- Proportional speed according to the tiller angle
- Additional buttons for lifting/lowering the forks on chassis side
- Automatic lifting of the forks
- Automatic lifting & lowering with foot protection
- Lateral battery change for 2 PzS battery
- Load backrest: 900 mm or 1290 mm high
- Built-in charger - high frequency technology - 24V / 35A
- Cold store protection to -35°C
- Linde Connected Soultions:
  ac:access control (PIN or RFID Dual), an:usage analysis and dt:crash detection
- Castor wheels with springs & damper
- Additional emergency stop button
- Buzzer for noise sensitive areas

Other options available on request.

Li-ION technology
- Fast Full Charge
- Opportunity Charging
- Fast Intermediate Charging
- Maintenance Free
- Long Lifetime
- Good performance in Cold Store

Li-ION batteries
- fits in 2 PzS-SL compartment:
  1,8kWh-9,0kWh (24V/82-410Ah)
- Battery housing extra weight compulsory for 1,8 - 3,6kWh batteries

Optimized 24V-Li-ION charger
- v90:1,8kWh (82 Ah); v160:3,6kWh (164Ah)
- v225:4,5kWh-9kWh (205-410Ah)

Pallet Truck
Capacity 1600 kg/800 kg
T16L

Series 1152

Linde Material Handling

Safety
The Linde T16L benefits from a long tiller with a low mounting point ensuring a large safety clearance between operator and chassis. While using optional buttons or automatic function from the chassis side, the lowering stops automatically to keep the operator's feet safe. Creep speed and proportional speed functions, available as options, provide optimum safety while travelling or manoeuvring in tight corners.

Performance
The T16L shows its true efficiency on the job. The powerful lift and traction motors supply the performance needed to achieve a high level of productivity. Wide spaced mast channels provide excellent stability for the load enabling a residual capacity of 800 kg in fully raised position.

Comfort
Empty pallets can be raised by 804 mm, eliminating back or upper body strain. This height adjustment is really appreciated when order picking, restocking shelves in retail stores or assembly line activities in manufacturing industries. Additional buttons located on the truck side and automatic functions enable all kind of loads to be lifted or lowered quickly and without fatigue.

Reliability
A rugged construction makes the T16L a pallet truck that can be relied on. The Extraal® motor cover is remarkably solid and resistant to damage. The sturdy mast and the durable carriage are made of high-grade rolled steel contributing to a long truck life as well as fast, easy and safe load handling.

Service
Linde pallet trucks are designed to keep maintenance costs low and provide high levels of up-time over many years. The service engineer has fast, easy access to all internal components thus enabling a quick maintenance turnaround.

Features

Safety
- Long tiller arm and low mounting point ensure ample safety clearance between operator and chassis
- Low chassis skirt protects operator's feet when manoeuvring
- Ergonomic tiller head: wrap-around protection for the operator's hands
- Feet protection on the lowering functions used from the chassis side
- Proportional traction speed according to the tiller angle (option)

Stability
- Integrated mast matched to chassis width
- Highly resistant fork carriage and load arms made of robust pressed steel

Controls
- Separate controls for initial lift and high lift
- OptiLift proportional lifting controls
- Additional lifting/lowering buttons on chassis sides (option)
- Automatic lifting or lifting/lowering function (option)
- Creep speed (option)
- All commands integrated to the tiller

Handling
- Chassis narrower than a pallet
- Compact dimensions and small turning radius
- Long tiller arm reduces steering effort to maximise manoeuvrability

Extraal cover
- Extremely strong - lasts the life time of the truck
- Easily removed for fast, convenient access to all components

AC Motor
- Powerful, smooth-running motor, 1.2 kw (at 100% output)
- Climbing ability -14%, fully laden
- Travel speed adjustable up to 6km/h max. laden or unladen

Braking
- Highly efficient mechanical brake when tiller is fully raised or lowered
- Automatic electric braking on releasing traction butterfly or reversing direction
- Truck slows before coming to a stop, remaining under total control at all times
- No roll-back when starting on a slope

Batteries and chargers
- Lead acid BS or 2PzS battery up to 250Ah
- Lateral change for 2PzS compartment
- Optional build-in charger available
- Lithium-ion batteries available
- Opportunity charging 60% in 40 min

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Linde Material Handling

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Technical Data according to VDI 2198

Characteristics	1.1	Manufacturer		LINDE
	1.2	Manufacturer's type designition		**T16L / [T16L ION]** [1]
	1.2a	Series		1152-01
	1.3	Power unit		Battery
	1.4	Operation		Pedestrian
	1.5	Load capacity/Load	Q (t)	1.6 [2]
	1.6	Load centre distance	c (mm)	600
	1.8	Axle centre to fork face	x (mm)	890 / 950 [3] [4]
	1.9	Wheelbase	y (mm)	1338 / 1404 [3] [4]
Weights	2.1	Service weight	(kg)	603 (186) [522] [1] [5]
	2.2	Axle load with load, front/rear	(kg)	805/1398 (758/1398) [744/1378] [1] [5]
	2.3	Axle load without load, front/rear	(kg)	458/145 (411/145) [397/125] [1] [5]
Wheels/Tyres	3.1	Tyres rubber, SE, pneumatic, polyurethane		R+P/P [6]
	3.2	Tyre size, front		Ø 230 x 75
	3.3	Tyre size, rear		Ø 85 x 90 (Ø 85 x 65) [7]
	3.4	Auxiliary wheels (dimensions)		Ø 125 x 40
	3.5	Wheels, number front/rear (x = driven)		1x + 2 / 2 (1x + 2 / 4) [7]
	3.6	Track width, front	b10 (mm)	482 [4]
	3.7	Track width, rear	b11 (mm)	340 / 380 [4] [8]
Dimensions	4.2	Height of mast, lowered	h1 (mm)	1275
	4.3	Free lift	h2 (mm)	550
	4.4	Lift	h3 (mm)	550
	4.6	Initial lift	h5 (mm)	125
	4.9	Height of tiller arm in operating position, min/max	h14 (mm)	720 / 1240
	4.15	Height, lowered	h13 (mm)	85
	4.19	Overall length	l1 (mm)	1842 (1767) [3] [4]
	4.20	Length to fork face	l2 (mm)	692 (617) [3] [4]
	4.21	Overall width	b1/b2 (mm)	720 [4]
	4.22	Fork dimensions DIN ISO 2331	s/e/l (mm)	50 x 180 x 1150
	4.25	Fork spread	b5 (mm)	520 / 560 [9]
	4.32	Ground clearance, centre of wheelbase	m2 (mm)	20 / 145 [9]
	4.34.1	Aisle width for pallets 1000 × 1200 crossways	Ast (mm)	2085 (2010) [3] [10]
	4.34.2	Aisle width with pallet 800 x 1200 along forks	Ast (mm)	2135 (2060) [3] [10]
	4.35	Turning radius	Wa (mm)	1625 / 1685 (1550 / 1610) [3] [5]
Performance	5.1	Travel speed, with/without load	(km/h)	6 / 6 [11]
	5.2	Lifting speed, with/without load	(m/s)	0.115 / 0.184 (0.035 / 0.041) [12] [13]
	5.3	Lowering speed, with/without load	(m/s)	0.326 / 0.13 (0.062 / 0.031) [12] [13]
	5.8	Maximum climbing ability, with/without load	(%)	14.0 / 25.0
	5.9	Acceleration time, with/without load	(s)	7.5 / 6.5
	5.10	Service brake		Electro-magnetic
Drive	6.1	Drive motor rating S2 60 min	(kW)	1.2
	6.2	Lift motor rating at S3 15%	(kW)	1.2
	6.3	Battery according to DIN 43531/35/36 A,B,C,no		43 535/B (2PzS (BS)) [Li-ION]
	6.4	Battery voltage/rated capacity (5h)	(V)/(Ah)	24 / 180 (24 / 150) [23 / 205] [1]
	6.5	Battery weight (± 5%)	(kg)	191 (144) [110] [1]
	6.6	Power consumption according to VDI cycle	(kWh/h)	0.38
	8.1	Type of drive unit		LAC
	10.7	Sound pressure level LpAZ (at the driver's seat)	(dB(A))	62

1) Figures in [ ] with Li-ION battery see line 6.4
2) 1600 kg on the load arms (initial lift) - reduced to 800 kg on the lifted forks (auxiliary lift)
3) Forks upraised / lowered
4) (± 5 mm)
5) Figures in parenthesis refer to short version with BS cells
6) Solid rubber + polyurethane / polyurethane
7) Figures in parenthesis with tandem load wheels.
8) Depending on the forks spread; see 4.25
9) min./max.
10) Including a 200 mm (min.) operating aisle clearance.
11) (± 5%)
12) Figures in parenthesis with initial lift
13) (± 10%)