

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 Solutions:
 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.

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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Technical Data according to VDI 2198

Characteristics	1.1	Manufacturer	LINDE	
	1.2	Manufacturer's type designation	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 ¹⁾
	3.7	Track width, rear	b11 (mm)	340 / 380 ⁶⁾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) ⁹⁾⁴⁾
	4.20	Length to fork face	l2 (mm)	692 (617) ⁹⁾⁴⁾
	4.21	Overall width	b1/b2 (mm)	720 ¹⁾
	4.22	Fork dimensions DIN ISO 2331	s/e/l (mm)	50 x 180 x 1150
	4.25	Fork spread	b5 (mm)	520 / 560 ⁴⁾
	4.32	Ground clearance, centre of wheelbase	m2 (mm)	20 / 145 ⁹⁾
	4.34.1	Aisle width for pallets 1000 x 1200 crossways	Ast (mm)	2085 (2010) ⁹⁾¹⁰⁾
	4.34.2	Aisle width with pallet 800 x 1200 along forks	Ast (mm)	2135 (2060) ⁹⁾¹⁰⁾
	4.35	Turning radius	Wa (mm)	1625 / 1685 (1550 / 1610) ⁹⁾¹⁾
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%)

