

标准配置和选项 Standard and Optional Equipment

标准配置 Standard Equipment

- 车体

新复合材料 Grivory® 制成的低位安装的长舵柄

高强度材料 Exxtral® 制成的电机及电池盖板

舵柄缓冲回位

末端缓冲功能

→ 多功能显示仪表盘，有小时数显示、维修保养显示、

电池放电显示以及故障显示

→ 交流电机

→ 林德载荷控制

→ CAN-Bus 总线控制

→ 电磁制动

→ 自动驻车制动

→ 橡胶驱动轮

→ 聚氨酯双承载轮

→ 1150mm 长货叉

→ 560mm 长跨货叉

→ -10°C 冷库保护

→ 2PzS 垂直更换电池

→ 喇叭

→ 行驶速度比例控制 (T20)

→ 龟速按钮 (T20)
- The operator / truck interface

Long tiller arm with low mounting point made out of Grivory®

Exxtral® motor and battery cover

Soft fold back

End-of-stroke resistance

→ Multifunction display with hourmeter, maintenance indication,

battery discharge indicator and internal fault code indication

→ AC motor

→ Linde LAC controller

→ CAN-Bus architecture

→ Electromagnetic brake

→ Automatic parking brake

→ Cushion rubber drive wheel

→ Tandem polyurethane load wheels

→ Fork length: 1150 mm

→ Width over forks: 560 mm

→ Cold store protection to -10°C

→ Vertical 2PzS battery change

→ Horn

→ Proportional speed control (T20)

→ Creep speed control (T20)

可选配置 Optional Equipment

- 驱动轮：聚氨酯，无痕聚氨酯

→ 龟速按钮 (T16)

→ 行驶速度比例控制 (T16)

→ 2PzS 侧面更换蓄电池

→ 不同规格货叉

→ Linde 车队管理系统

→ -35°C冷库保护

→ 自动加水系统
- Drive wheels: polyurethane, non marking polyurethane

→ Creep speed control (T16)

→ Proportional speed control (T16)

→ Side 2PzS battery change

→ Alternative fork lengths and widths

→ Fleet management LFMaccess and LFMbasic

→ Cold store protection to -35°C

→ Automatic battery watering system

其他满足客户要求的可选配置
Other Options Available on Request



电动托盘搬运叉车
Electric Pallet Truck

载重 CAPACITY 1600, 2000 kg
T16, T20 T151

安全性 Safety

低圆弧形车体及带手部保护功能的舵柄，有效保护了驾驶员的双脚及手部。低位安装的长舵柄保证叉车与驾驶员之间有效的安全距离，同时转向轻便。
The lower chassis is rounded in shape and low to the ground protecting the operator's feet whilst the hand guards of the tiller head effectively shield his hands. The long tiller mounted low down on the chassis ensures ample safety clearance between operator and truck as well as keeping steering effort low.

高性能 Performance

新的交流电机配合载荷控制器，保证车子的高效性。叉车可通过参数调整以适应各种工况。当需要更高的性能时，可自动增加扭矩以适应工况。
The combination of a new AC motor and Linde LAC digital control makes these pallet trucks highly efficient. Operating parameters can be adjusted to match any application. When additional performance is needed, a booster effect automatically provides higher torque.

舒适性 Comfort

人性化设计的舵柄双手均可操作，创新设计的慢速行驶按钮保证了狭窄通道内极佳的操作性。行驶速度比例控制可根据舵柄与人之间的距离自动改变行驶速度。舒适的材料使该款叉车操作省力，搬运货物平稳，效率高。
All controls on the ergonomic tiller can be easily operated by either hand. An innovative creep speed button offers utmost manoeuvrability in confined areas. Proportional speed feature

automatically alters traction speed in relation to the distance between truck and operator. Finished in tactile materials, these trucks deliver effortless, smooth load handling to deliver greater productivity.

可靠性 Reliability

该款叉车不仅外形美观，而且坚固耐用。轻便舒适的新复合材料Grivory® 保证车体表面较高的抗压性。新复合材料Exxtral® 制成的电机盖板柔韧坚固，有效保护了车体内部各电器部件。每根货叉都可以承载2吨的货物而不变形。
Despite their visual appeal, these pallet trucks are rugged and durable. Light, warm and robust at the same time the tiller out of Grivory® material ensures a highly resistant trucks interface. Exxtral®, launched for the motor cover gives no compromise regarding softness and sturdiness protecting the technical compartment. In addition, the fork tips which each withstands 2,000kg contribute to a long, trouble-free life.

易维护 Service

免维护的交流电机最大限度的减少了维护成本，售后工程师可通过CAN-Bus系统快速准确的读出叉车数据，快速便捷的维护方式缩短了维护时间。
It is not just about the truck in operation: a maintenance-free AC motor maximises uptime reducing operating costs. All truck data is immediately and easy accessible to the service engineer via the CAN-Bus architecture. Fast, easy access to all internal components ensures service tasks are completed with a minimum of delay.

特点 Features

转向系统
Steering system

- 根据舵柄角度不同自动调整叉车的行驶速度，安全易操作

→ 舵柄处于垂直位置时，慢速行驶按钮保证了狭窄通道内极佳的操作性。

→ 舵柄末端缓冲功能有效防止碰撞及损坏

→ 舵柄缓冲回位（垂直位置）有效防止其对电机盖板的损坏

→ Proportional speed control varies truck speed automatically in relation to tiller angle for safe, comfortable and productive operation

→ A Creep speed button ensures high manoeuvrability in confined areas when operating at low speeds with the tiller in the upright position

→ End-of-stroke resistance on the tiller avoids accidental, abrupt braking

→ Soft tiller fold-back slows down the tiller when returning into upright position, avoiding tiller snapping on the motor cover

制动系统
Braking system

- 高效的电磁制动，当舵柄处于水平或垂直位置时，车子制动

→ 松开行驶按钮自动制动与反向电流制动

→ 完全制动前自动减速

→ Highly efficient electromagnetic brake applied by moving the tiller to fully up or down position

→ Automatic braking on releasing traction butterfly or reversing direction

→ Truck slows before coming to a stop, remaining under total control at all times



工作平台及显示
Working station & Display

- 宽大的储物格用于存放如包装薄膜、笔、手套等工具

→ 新复合材料Exxtral® 制成的电机及电池盖板延长了使用寿命

→ 多功能显示仪表盘可显示小时数、维修保养显示、蓄电池放电显示和故障代码等信息

→ Wide, deep storage compartment for shrink wrap, pens, markers etc.

→ Strong plastic Exxtral® motor and battery cover last the lifetime of the truck

→ Multifunctional display as standard with hourmeter, maintenance indication, battery discharge indicator, fault code indication
- The ergonomic Grivory® material ensures effortless operation

→ Long tiller with low mounting point provides a large safety clearance between operator and chassis

→ Wrap-around hand protection

→ Comfortable controls, operable with either hand and gloves



舵柄
Tiller & Tiller head

- 新复合材料 Grivory® 制成的舵柄保证操作的方便性

→ 低位安装的长舵柄保证了驾驶员与车体之间的安全距离

→ 全面的手部保护

→ 舵柄空间大，即使戴上手套，也能操作自如

→ The ergonomic Grivory® material ensures effortless operation

→ Long tiller with low mounting point provides a large safety clearance between operator and chassis

→ Wrap-around hand protection

→ Comfortable controls, operable with either hand and gloves



CAN-Bus 总线
Maintenance and CAN-Bus architecture

- 防潮、防尘的交流电机，免维护

→ CAN-Bus 总线系统可方便快速的读取叉车数据

→ 通过诊断接口快速调整参数

→ 电机盖板方便拆卸，叉车主要元件触手可及

→ Zero maintenance, moisture and dust-proof AC motor

→ CAN-Bus architecture enables fast, easy access to all truck data

→ Individually adjustable parameters via diagnostic plug

→ Rapid and convenient access to main components via front service panel



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Linde Material Handling 林德物料搬运



若有技术参数以配置图改进，恕不另行通知。所示图表可能含非标准配置。
"Subject to modification in the interests of progress, illustration and technical details not binding for actual constructions and may show the optional equipments."

叉车技术参数 Technical Data

特性 Characteristics	1.1	制造厂商	Manufacturer		Linde	Linde
	1.2	型号	Model designation		T16	T20
	1.3	动力	Power unit		Battery 蓄电池	
	1.4	驾驶方式	Operation		Pedestrian 步行式	
	1.5	额定承载能力	Load capacity	Q(kg)	1600	2000
	1.6	载荷中心距	Load centre	c(mm)	600	600
	1.8	前悬距	Axle centre to fork face	x(mm)	890/962 ¹⁾²⁾	890/962 ¹⁾²⁾
	1.9	轴距	Wheelbase	y(mm)	1312/1378 ¹⁾²⁾	1312/1378 ¹⁾²⁾
重量 Weights	2.1	自重	Service weight	kg	485 ³⁾	485 ³⁾
	2.2	满载时的桥负荷, 驱动侧 / 承重侧	Axle load with load, drive/load side	kg	725/1360 ³⁾	820/1665
	2.3	空载时的桥负荷, 驱动侧 / 承重侧	Axle load without load drive/load side	kg	350/135 ³⁾	350/135 ³⁾
轮胎 Wheels	3.1	轮胎, 驱动侧 / 承重侧	Tyre, operator/load side		R+PU/PU ⁴⁾	
	3.2	轮胎尺寸, 驱动侧	Tyre size, drive side	mm	230x75	230x75
	3.3	轮胎尺寸, 承重侧	Tyre size, load side	mm	2x85x100	2x85x100
	3.4	附属轮尺寸	Auxiliary wheel, size	mm	125x40	125x40
	3.5	车轮数量, 驱动侧 / 承重侧 (x= 驱动轮)	Wheels number, drive/laod side (x=driven)		1X+2/4	
	3.6	轮距, 驱动侧	Track width, drive side	mm	482 ¹⁾	482 ¹⁾
	3.7	轮距, 承重侧	Track width, load side	mm	355/395/515 ¹⁾	355/395/515 ¹⁾
尺寸 Dimensions	4.4	提升高度	Lift	h3(mm)	125 ¹⁾	125 ¹⁾
	4.9	作业时手柄高度	Height of tiller arm in operation position, min./max.	h14(mm)	740/1208	740/1208
	4.15	下降后货叉距地高度	Fork height, lowered	h13(mm)	85	85
	4.19	总体长度	Overall length	l1(mm)	1725 ¹⁾⁶⁾	1725 ¹⁾⁶⁾
	4.20	车体长度 (不含货叉)	Length to fork face	l2(mm)	575 ¹⁾⁶⁾	575 ¹⁾⁶⁾
	4.21	车体宽度	Overall width	b1/b2(mm)	720 ¹⁾	720 ¹⁾
	4.22	货叉尺寸	Fork dimensions	s/e/l(mm)	165x55x1150	165x55x1150
	4.25	过货叉距离 (最小 / 最大)	Fork spread, min./max.	b5(mm)	520/560/680 ¹⁾	520/560/680 ¹⁾
	4.32	轴距中心离地间隙	Ground clearance, center of wheelbase	m2(mm)	161/36	161/36
	4.33	直角堆垛通道宽度, 托盘 1000x1200 (1200 跨货叉放置)	Aisle width, 1000x1200mm pallet crosswise	Ast(mm)	2389 ⁵⁾⁶⁾	2369 ⁵⁾⁶⁾
	4.34	直角堆垛通道宽度, 托盘 800x1200 (1200 沿货叉放置)	Aisle width, 800x1200mm pallet lengthwise	Ast(mm)	2241 ⁵⁾⁶⁾	2221 ⁵⁾⁶⁾
性能 Performances	5.1	行驶速度, 满 / 空载	Travel speed, with/without load	km/h	6.0/6.0	6.0/6.0
	5.2	提升速度, 满 / 空载	Lift speed, with/without load	m/s	0.035/0.044	0.034/0.044
	5.3	下降速度, 满 / 空载	Lower speed, with/without load	m/s	0.065/0.062	0.07/0.06
	5.8	最大爬坡度, 满 / 空载	Maximum climbing ability, with/without load	%	13/24	10/24
	5.9	加速时间, 满 / 空载	Acceleration time, with/without load	s	7.4/6.4	7.6/6.4
驱动 Drive	6.1	驱动电机功率 (60 分钟)	Drive motor output (60 min. rating)	kw	1.2	1.2
	6.2	提升电机功率, 15% 功率	Lift motor output (15% rating)	kw	1.0	1.0
	6.3	蓄电池, 根据 DIN 标准	Battery according to DIN 43 531/35/36A, B, C, no		DIN 43535/2PZs	DIN 43535/2PZs
	6.4	蓄电池电压 / 额定容量 (5 小时放电量)	Battery voltage/rated capacity (5h)	V/Ah	24/230	24/230
	6.5	电池重量 (± 5%)	Battery weight (± 5%)	kg	212	212
	6.6	能源按 VDI 循环	Power consumption according to VDI cycle	kWh/h	0.4	0.4
其他 Others	8.1	驱动控制方式	Type of Drive control		LAC	LAC
	8.4	驾驶员耳边噪音水平	Sound level at driver's ear	dB(A)	<70	<70

标准叉车的参数根据实际装备会有所变化

1) (± 5mm)

2) 货叉起升 / 下降

3) (± 10%)

4) 橡胶实心胎 + 聚氨酯胎 / 聚氨酯胎

5) 龟速 (舵柄处于垂直位置时)

6) 附件电池尺寸

Figures for standard version may vary when options equipment is fitted

1) (± 5mm)

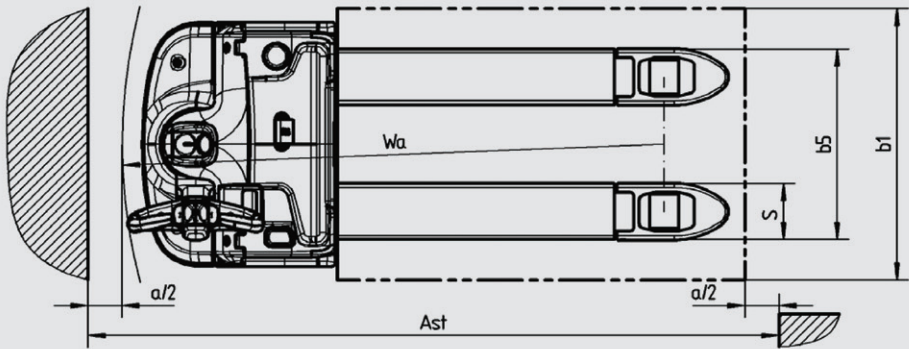
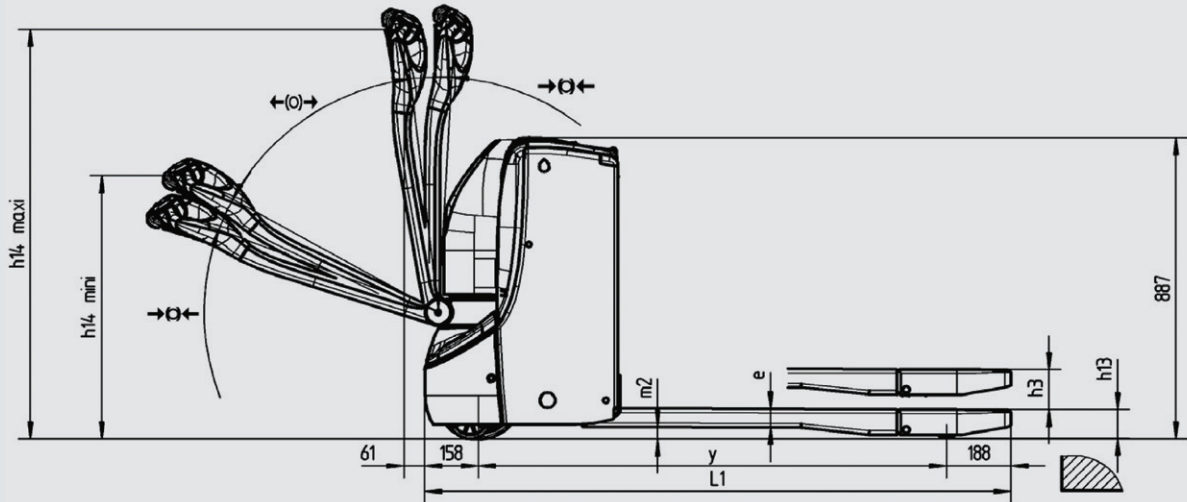
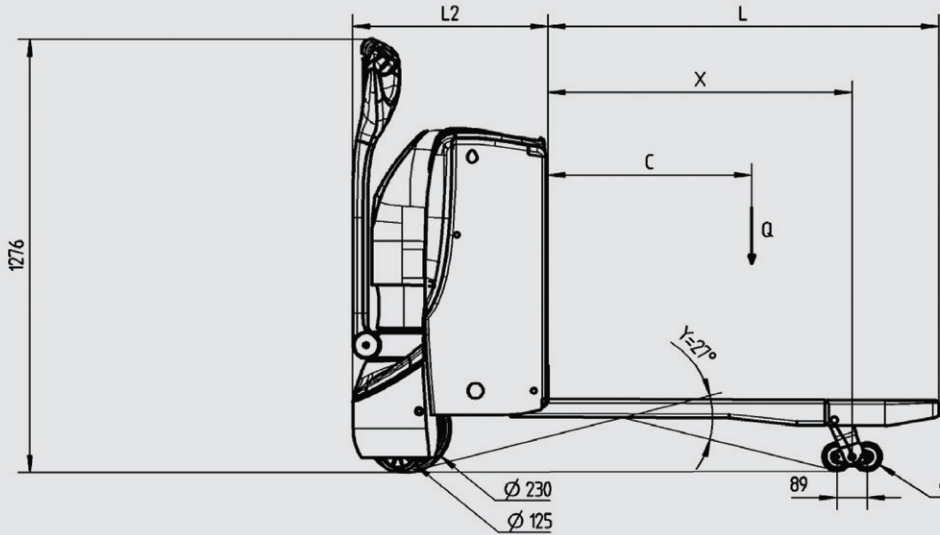
2) Forks upraised / lowered

3) (± 10%)

4) Solid rubber+polyurethane/polyurethane

5) With creep speed = tiller in vertiac l position

6) See dimensions with alternative batteries



$$Ast = Wa + \sqrt{(L_6 - x)^2 + (b_{12} / 2)^2} + a$$

Safety clearance a = 200 mm