标准配置和选项 Standard and Optional Equipment

标准配置 Standard Equipment

→ 电子助力转向
→ 龟速功能
→ 林德安全提升
→ 比例提升下降
→ 门架保护（铁网格或者 PV 板）
→ 错误代码显示
→ 聚氨酯双承载轮
→ 2.3KW AC 免维护交流电机
→ 转弯自动减速
→ 紧急制动开关
→ 钥匙开关
→ CAN bus 系统
→ 电池竖直更换
→ 聚氨酯驱动轮
→ 双平衡轮
→ 货叉宽度 560
→ 货叉长度 1150mm
→ -10°C 温度保护

→ Electrical Power steering
→ Creep speed control
→ Linde Safety-Lift
→ proportional lifting and lowering
→ Mast protection (polycarbonate or steel mesh)
→ Fault code indication
→ Tandem Polyurethane loading wheels
→ 2.3 kW AC motor (maintenance free)
→ Automatic speed reduction when cornering
→ Electromagnetic emergency brake
→ Key switch
→ CAN bus technology
→ Vertical battery change
→ Polyurethane drive wheel
→ Double castor wheel
→ Width across forks: 560 mm
→ Fork carriage length 1150 mm
→ Protection -10°C

可选配置 Optional Equipment

→ 初始提升
→ 快速提升功能
→ 多功能彩色仪表
→ 驱动轮：橡胶、防滑、无痕聚氨酯
→ 电池侧面更换
→ 载荷管理系统
→ 货叉宽度：680mm
→ 标准、二级、三级门架
→ 冷库保护 -32℃

→ Initial lift
→ Ultra fast lifting (up to +40%)
→ Multifunction coloured display
→ Drive wheels: cushion, wet grip, polyurethane with tread or non marking
→ Lateral battery change
→ Load management system
→ Width across forks: 680mm
→ Standard, Duplex or Triplex masts (mast up to 5316 mm)
→ Cold store -32℃

其它满足客户要求的可选配置
Other Options Available on Request

Linde Material Handling 林德物料搬运

站驾托盘堆垛叉车
Stand-on Pallet Stacker

载重 CAPACITY 1400, 1600, 2000kg
L14AP/L16AP/L20AP CDD 1183

安全性 Safety

林德托盘堆垛适用于任何堆垛应用。只有在舵柄处于工作位置时，才能进行提升下降的安全提升功能，防止误操作。行驶速度随转向角的比例自动变化，以实现最大的安全性。The Linde pallet stacker is a perfect fit for any stacking application. Only when the tiller in the working position the truck can lift and lower to prevent wrong operation. Traction speed is varied automatously in proportion to the steering angle for maximum safety.

高性能 Performance

高运行效率是这辆叉车的真正优势，其 2.3 千瓦交流电机最高速度为 10 公里 / 小时，承载从 1400kg 到 2000kg 的强化版本，适用重工况堆垛。坚固的车身结构使这辆叉车具有很好的剩余载荷。
High operational efficiency is this truck's true strength with its 2,3 kW AC motor with a top speed of 10 km/ h and offers capacities from 1400 kg up to a strengthened 2000 kg version complying with heavy loads handling performances. The robust chassis structure gives this truck exceptional residual capacity.

舒适性 Comfort

可折叠站板有效吸收冲击和震动，配合人机工程设计舵柄，保证长时间驾驶舒适性。优化的提升系统，易于控制的装置和叉车指尖操作，使操作更加精确舒适。
Foldable platform can absorb shock and vibration effectively, ergonomic tiller design to ensure long-term driving comfort. The OptiLift system, easy access to the controls and fingertip operation of the truck allow precise and comfortable handling.

可靠性 Reliability

选择特殊的电机盖材料，有效地保护关键部件，并延长使用寿命。坚固的车身和铸钢后裙板保证了重工况下的长使用寿命。初始提升选项改善离地间隙，来适应坡度和平台间的高度差。
The material of the motor cover has been selected to protect strategic components effectively and to be long lasting for an extended service life. The robust chassis and cast steel rear skirt ensure a long service life in heavy duty applications. With the initial lift version (option), the ground clearance is improved to cope with gradients and dock levellers.

易维护 Service

作业高效，售后服务同样高效。工作仪表一目了然的显示叉车重要信息，指示维护要求和电池状态。坚固的部件和经过严苛测试的免维护交流电机，确保延长服务间隔和降低运营成本。
Efficiency at work, efficiency in servicing. Display provides important information at a single glance, indicates maintenance requirements and battery status. Robust components and a tried and tested, maintenance- free AC motor ensure service intervals are extended and operating costs reduced.

特点 Features

转向系统和舵柄
Steering system & Tiller

→ 标配电子助力转向，确保轻松驾驶
→ 舵柄可任意单手轻松操作
→ 易于操作的控制按钮，允许指尖操作，以达到最高效率
→ 舵柄的设计有效保证手部安全

→ Electric power steering as standard ensures effortless driving
→ Tiller can be operated with either hand for easy handling
→ Easy-to-reach control buttons permit fingertip operation for utmost efficiency
→ Wrap-around hand protection

护臂和站板
Sideguard and platform

→ 可折叠护臂的和站板，驾驶更加轻松舒适
→ 站板配备减震弹簧，轻松度过颠簸路面

→ Foldable sideguard and platform, driving more comfortable
→ Damping platform, easily pass any bumpy roads

制动系统
Brakes

→ 释放蝶形开关或者按反向行驶按钮自动制动
→ 方舵柄位于竖直或者水平位置时，高效的电磁制动
→ 位于前盖板上端的紧急制动开关，可轻松碰触

→ Automatic braking on release of traction butterfly or selecting the opposite direction
→ Highly efficient electromagnetic brake applied by moving the tiller to fully up or down position
→ Easy-to-reach emergency isolator on the top of the front cover

交流电机
AC motor

→ 2.3KW 大功率输出的交流驱动电机
→ 防潮防尘电机
→ 斜坡启动不下滑
→ 站板打开时行驶速度最高可达到 10km/h

→ Powerful, high-torque 2,3 kW AC drive motor
→ Moisture and dust-proof AC motor
→ No rollback when starting on a slope
→ Traction speed adjustable up to 10km/h in platform mode

提升系统
Lifting System

→ 标配门架比例提升和下降
→ 门架落地缓冲，保护货物安全
→ 初始提升作为选项，更好的过坡和不平路面
→ 不同高度的门架可选

→ Proportional lifting and lowering as standard
→ Soft landing of the forks protects the load when lowering
→ Initial lift version provides improved clearance on ramps and dock levellers
→ Wide range of mast options available to suit any application

若有技术参数或配置的改进，恕不另行通知，所示图表可能会非标准配置。
"Subject to modification in the interests of progress. Illustration and technical details not binding for actual constructions and may show the optional equipments."

1183_L14AP/L16AP/L20AP_D_01_201904

林德(中国)叉车有限公司
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扫一扫，加入林德官方微信公众平台

Linde Material Handling 林德物料搬运

叉车技术参数 Technical Data

特性 Characteristics	1.1	制造厂商	Manufacturer		Linde	Linde	Linde
	1.2	型号	Model designation		CDD	CDD	CDD
	1.2.1	配置代码	Configuration code		L14AP	L16AP	L20AP
	1.3	动力	Power unit		蓄电池 Battery		
	1.4	驾驶方式	Operation		步行式 / 站驾式 Pedestrian/Stand on		
	1.5	额定承载能力	Load capacity	Q(kg)	1400 [1]	1600 [1]	2000 [1]
	1.6	载荷中心距	Load centre	c(mm)	600	600	600
	1.8	前悬距 (± 5 mm)	Axle centre to fork face	x(mm)	724	724	724
	1.9	轴距 (± 5 mm)	Wheelbase	y(mm)	1387	1387	1425
重量 Weights	2.1	自重	Service weight	kg	1325 [5]	1325 [5]	1550 [5]
	2.2	满载时的桥负荷，驱动侧 / 承重侧	Axel load with load, front (drive)//rear (load)	kg	1075/1650	1070/1855	1260/2315
	2.3	无载时的桥负荷，驱动侧 / 承重侧	Axel load without load, front (drive)//rear (load)	kg	960/365	960/365	1105/445
轮坯 Wheels	3.1	轮胎，驱动侧 / 承重侧：C= 橡胶胎，P= 聚氨酯胎	Tyres, front (drive)/rear (load) C=cushion rubber, P=polyurethane		C+P/P	C+P/P	P+P/P
	3.2	轮胎尺寸，驱动侧	Tyre size,front (drive) wheel	mm	Ø230XL90	Ø230XL90	Ø230 x 90
	3.3	轮胎尺寸，承重侧	Tyre size, rear (load) wheel	mm	Ø85 x 65	Ø85 x 65	Ø85 x 65
	3.4	轮胎尺寸，平衡轮	Tyre size,front (castor) wheel	mm	2xØ140 x L50	2xØ140 x L50	2xØ140 x L50
	3.5	车轮数量，驱动侧 / 承重侧 (x= 驱动轮)	Wheels, number front (drive)/rear (load) (x=driven)		1x+2/4	1x+2/4	1x+2/4
	3.6	轮距，驱动侧	Track width, front (drive)	b10(mm)	534	534	534
	3.7	轮距，承重侧	Track width, rear (load)	b11(mm)	380	380	370
尺寸 Dimensions	4.2	门架回缩时高度	Height of mast, lowered	h1(mm)	1915 [2]	1915 [2]	1915 [2]
	4.3	自由提升高度	Free lift	h2(mm)	150 [2]	150 [2]	150 [2]
	4.4	提升高度	Lift	h3(mm)	2924 [2]	2844 [2]	2684 [2]
	4.5	作业时最大高度	Height of mast, extended	h4(mm)	3444 [2]	3364 [2]	3284 [2]
	4.9	舵柄行驶时离地高度 最小 / 最大 (±20 mm)	Height of tiller arm in operation position min/max (±20 mm)	h14(mm)	1218/1360	1218/1360	1218/1360
	4.15	在低位时的货叉高度 (± 5 mm)	Fork height, lowered	h13(mm)	86	86	86
	4.19	总体长度（含货叉）	Overall length	l1 (mm)	2132/2465 [3]	2132/2465 [3]	2172/2505 [3]
	4.20	车体至货叉面的长度	Length to fork face	l2 (mm)	982/1315 [3]	982/1315 [3]	1022/155 [3]
	4.21	车体宽度	Overall width	b1/b2	800	800	810
	4.22	货叉尺寸	Fork dimensions	s/e/l (mm)	71/180/1150	71/180/1150	73/210/1150
	4.24	货叉架宽度	Width of fork carriage	b3 (mm)	780	780	780
	4.25	货叉外间距，最小 / 最大	Fork spread, minimum/maximum	b5 (mm)	560	560	580
	4.26	装载臂内侧间距	Width between reach legs	b4 (mm)	196/255 [7]	196/255 [7]	160/230 [7]
	4.32	轴距中点离地间隙	Ground clearance, center of wheelbase	m2 (mm)	30	30	14
	4.33	直角堆垛通道宽度，托盘 1000x1200（沿货叉）	Aisle width with pallet 1000x1200 along forks	Ast (mm)	2644/2929 [3]	2644/2929 [3]	2685/2968 [3]
	4.34	直角堆垛通道宽度，托盘 800x1200（沿货叉）	Aisle width with pallet 800x1200 along forks	Ast (mm)	2578/2861 [3]	2578/2861 [3]	2617/2900 [3]
	4.35	转弯半径	Turning radius	Wa (mm)	1756/2039 [3]	1756/2039 [3]	1795/2078 [3]
性能 Performances	5.1	行驶速度，满载 / 空载	Travel speed, with/without load	km/h	4/4; 6/6; 8/10	4/4; 6/6; 8/10	4/4; 6/6; 7.5/10
	5.2	提升速度，满载 / 空载	Lifting speed, with/without load	m/s	0.16/0.30	0.15/0.30	0.12/0.25
	5.3	下降速度，满载 / 空载	Lowering speed, with/without load	m/s	0.35/0.4	0.35/0.4	0.25/0.35
	5.8	最大爬坡能力，满载 / 空载，5 分钟	Maximum climbing ability, with/without load, 5 minute rating	%	10/24	10/24	8 / 24
	5.10	行车制动	Service brake		电动 Electric	电动 Electric	电动 Electric
驱动 Drive	6.1	驱动电机功率（60 分钟）	Drive motor, 60 minute rating	kw	2.3	2.3	2.3
	6.2	提升电机功率，15% 功率	Lift motor, 15% rating	kw	3.2	3.2	3.2
	6.3	蓄电池，根据 IEC 标准	Battery according to IEC		3Pzs 270	3Pzs 270	3Pzs 270
	6.4	蓄电池电压 / 额定容量（5 小时放电量）	Battery voltage/rated capacity (5h)	V/Ah	24/270	24/270	24/270
	6.5	电池重量	Battery weight	kg	252	252	252
	6.6	能源按 VDI 循环	Power consumption according to VDI cycle	kWh/h	0.99	1.1	1.3
其他 Others	8.1	速度控制	Type of Drive control		LAC	LAC	LAC
	8.4	叉车操作员耳旁噪声级别	Noise level around driver's ears	dB(A)	≤67	≤67	≤67

标准叉车的参数根据实际装备会有所变化
1) 承载能力会随着提升高度降低
2) 其他提升高度，请参见表格
3) 站板收起 / 打开
4) 龟速状态
5) <F6> 自重包含 <F>6.5)<F6> 项电池重量 <F>
6) 在挡泥板处测量
7) 货叉 / 支腿

Figures for standard version may vary when options equipment is fitted
1) Capacity may be reduced for high lifts
2) For all heights, see mast table
3) With platform folded/lowered
4) Valeurs avec timon Creep speed.
5) Including item 6.5) battery weight
6) Valeurs avec Bumper.
7)fork/load arm

载荷曲线图 Load Capacity Diagrams:

$$Ast = Wa + \sqrt{(16 - x)^2 + (\frac{b12}{2})^2} + a$$

安全距离 a= 200mm
Safety distance a =200mm

L14/L14AP-560-SLI-SV 标准门架

L14/L14AP-560-SLI-SV 二级门架

L14/L14AP-560-SLI-SV 三级门架

门架参数表 Mast Datasheet (in: mm)

标准门架 Standard Mast: (L14/L14AP, L16/L16AP, L20/L20AP)																	
提升高度	Lift	h3	mm	1844	1924	2344	2424	2684	2844	2924	3084	3244	3324	3584	3744	3824	4144
最大提升后货叉面离地高度	Lift+height of fork	h3+h13	mm	1930	2010	2430	2510	2770	2930	3010	3170	3330	3410	3670	3830	3910	4230
门架回缩时高度	Height of mast,lowered	h1	mm	1415	1415	1665	1665	1915	1915	1915	2115	2115	2115	2365	2365	2365	2565
自由提升后门架高度	Height of mast after free lift	h1	mm	1490	1490	1740	1740	1990	1990	1990	2190	2190	2190	2440	2440	2440	2640
作业时门架最大高度	Height of mast ,extended	h4	mm	2364	2444	2864	2944	3284	3364	3444	3684	3764	3844	4184	4264	4344	4664
自由提升高度	Free lift	h2	mm	150	150	150	150	150	150	150	150	150	150	150	150	150	150

二级门架 Duplex Mast: (L14/L14AP, L16/L16AP, L20/L20AP)																			
提升高度	Lift	h3	mm	4224	4644	4724	1844	1924	2344	2424	2684	2844	2924	3084	3244	3324	3584	3744	3824
最大提升后货叉面离地高度	Lift+height of fork	h3+h13	mm	4310	4730	4804	1930	2010	2430	2510	2770	2930	3010	3170	3330	3410	3670	3830	3910
门架回缩时高度	Height of mast,lowered	h1	mm	2565	2815	2815	1415	1415	1665	1665	1915	1915	1915	2115	2115	2115	2365	2365	2365
自由提升后门架高度	Height of mast after free lift	h1	mm	2640	2890	2890	/	/	/	/	/	/	/	/	/	/	/	/	/
作业时门架最大高度	Height of mast ,extended	h4	mm	4744	5164	5244	2364	2444	2864	2944	3284	3364	3444	3684	3764	3844	4184	4264	4344
自由提升高度	Free lift	h2	mm	150	150	150	895	895	1145	1145	1315	1395	1395	1515	1595	1595	1765	1845	1845

三级门架 Triplex Mast: (L14/L14AP, L16/L16AP, L20/L20AP)									
提升高度	Lift	h3	mm	3276	3516	4026	4226	4476	4716	5316
最大提升后货叉面离地高度	Lift+height of fork	h3+h13	mm	3362	3602	4112	4352	4562	4802	5402
门架回缩时高度	Height of mast,lowered	h1	mm	1665	1665	1915	1915	2065	2065	2265
自由提升后门架高度	Height of mast after free lift	h1	mm	/	/	/	/	/	/	/
作业时门架最大高度	Height of mast ,extended	h4	mm	3876	4036	4626	4786	5076	5236	5836
自由提升高度	Free lift	h2	mm	1065	1145	1315	1395	1465	1545	1745