Standard Equipment /Optional Equipment

Standard Equipment

Narrow chassis width 820mm
Key switch or PIN Code access
Multifunction coloured display with Linde Load Management 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
3 kW AC motor (maintenance free)
Drive wheel position mentioned in display
Lateral battery change 3PzS available with ergonomic battery un/locking with lever & rollers (l2=1037mm)
CAN bus technology

Overhead guard
Soft landing on forks
Floor compensator
Linde Load Management (Standard):
Automatic residual capacity calculation
Operator warning when approaching the limits
Traction speed is varied automatically in proportion to the steering angle for maximum safety
Drive wheel Polyurethane
Single load wheel Polyurethane
Chassis for load arm width 560 & 680mm
Protection -10°C

Optional Equipment

Initial lift (h5=125mm)
Ultra fast lifting (up to +40%)
Linde Load Management Advanced:
Live calculation of weight and height
Informs on potential maximum height & weight
Management of the remaining residual capacity
Drive wheels: cushion rubber, synthetic cushion rubber non marking, wet grip
Load wheels: tandem polyurethane, tandem polyurethane and greasable
Lateral battery change 4PzS available with ergonomic battery un/locking with lever & rollers (l2=1112mm)
Leather seat & seat heating
Various Standard, Duplex & Triplex masts (up to 5316mm lift height)

Li-ION
Rapid Full Charge
Opportunity Charging
Rapid Intermediate Charging
Maintenance Free
Extended Lifetime
Efficient performance in Cold Stores
Side Plug available

Mast Protection: polycarbonate, steel mesh
Speed reduction if forks lowered
Alternative fork carriage length/thickness:
950mm or 1150 mm / 71 mm or 55 mm (preferred while using gitter box)
Linde Connected Solutions:
ac: access control (PIN or RFID Dual), an: usage analysis and dt: crash detection
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
Other options available on request

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)

Seated Pallet Stacker
Capacity 1,400 & 1,600 kg
L14 R, L16 R

Series 1174

Linde Material Handling

Safety

High productivity combined with safety. The operator's body remains within the chassis contours at all times and is also protected by an overhead guard. The Linde Load Management system automatically calculates residual capacity and warns the operator when approaching load limits. Automatic floor compensating system ensures the truck's stability.

Performance

One of the trucks many benefits is its high productivity performance, with a 3 kW AC motor enabling speeds up to 10km/h. The robust chassis structure provides exceptional residual capacities, with nominal capacities from 1,400kg up to 1,600kg. The truck chassis width of 820mm, combined with intuitive operating controls, delivers excellent manoeuvrability in confined areas.

Comfort

The 90° seating position and a seat with three independent adjustments provides an excellent working posture, and the integrated, and highly functional, operating controls, ensure a superb working environment. The compartment floor plate is adjustable.

Reliability

Rugged construction and the use of tried and tested components make this a truck that can be relied on. Motor, sub-components and electronics are all protected within the robust chassis structure. With the initial lift version(option), the ground clearance is improved to cope with gradients and dock levellers. These features guarantee a longer operating life combined with safe, efficient and highly productive load handling.

Service

Efficiency at work and efficiency in servicing with cost effective maintenance routines. Easy access to all components and maintenance-free technology also play their part in increasing truck uptime and availability. CAN bus connectivity provides a computerised diagnostic system for rapid analysis to ensure maintenance intervals are also minimised for maximum uptime.

Features

Ergonomics
- Ergonomic operator compartment with standard fabric seat or leather seat available with three independent adjustments systems
- Seat heating available as option
- Metal handle with padded material & adjustable floor plate designed for easy truck access
- Side-stance position 90° allows excellent visibility in both directions

Lifting systems
- Lift control provides accurate lifting as well as smooth, quiet operation
- Soft landing on forks protects the load when lowering
- Initial lift independent of main lift (option)
- Max. lift height up to 5316mm
- Max. load capacity in Stacker use: 1,400kg/1,600kg on load arms

Handling
- Chassis width = 820mm
- High maneuverability when operating in lorries or confined spaces
- Stable 4 point configuration
- TipControl®: traction, lift controls, initial lift and horn grouped in one single ergonomic unit
- Enables one-handed operations
- Height adjustable hand platform

Linde Load Management
- Standard or Advanced, the load management system assists control of residual capacity and stability
- Standard: Weight estimation of the load carried up to 1500mm
- Advanced: Immediate calculation of load weight and lifting height
- Information available at a glance on a wide multifunctional display

Drive control and settings
- Steering effort adjusts automatically to speed and turning radius
- Speed is automatically reduced in relation to the steering angle
- ECO-Mode up to12% energy savings to finish shift with low battery status

Workstation
- Multifunctional instrument display with user-friendly menu structure
- Truck access control by PIN code or ignition key
- Support clipboard DIN A4, flashing beacon & panoramic mirror available as option
- Emergency isolator located for instant actuation

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

AC motor
- Powerful, 3 kW drive motor
- Moisture and dust proof AC drive motor is maintenance-free
- Gradient performance of max. 15% (laden)
- No roll back on gradient starts
- High torque motor negotiates loading docks with ease

Subject to modification in the interest of progress. Illustrations and technical details could include options and not binding for actual constructions. All dimensions subject to usual tolerances.

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Linde Material Handling

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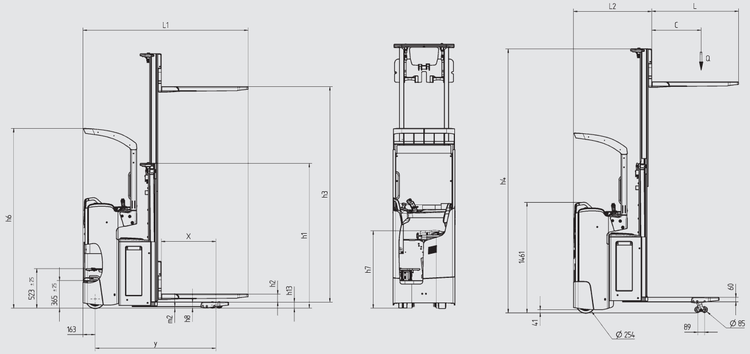
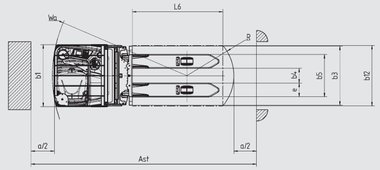
Technical Data according to VDI 2198

Characteristics	1.1	Manufacturer		LINDE	LINDE	LINDE
	1.2	Manufacturer's type designation		**L14R**	**L16R**	**L14Ri**
	1.2a	Series		1174-00	1174-00	1174-00
	1.3	Power unit		Battery	Battery	Battery
	1.4	Operation		Seat	Seat	Seat
	1.5	Load capacity/Load	Q (t)	1.4	1.6	1.4 / (2.0) [1]
	1.6	Load centre distance	c (mm)	600	600	600
	1.8	Axle centre to fork face	x (mm)	724 [2]	724 [2]	724 [2]
	1.9	Wheelbase	y (mm)	1597 [2]	1597 [2]	1597 [2]
Weights	2.1	Service weight	(kg)	1580 [3] [4]	1580 [3] [4]	1499 [3] [4]
	2.2	Axle load with load, front/rear	(kg)	1159 / 1821 [3] [4]	1174 / 2006 [3] [4]	1080 / 1819 [3] [4]
	2.3	Axle load without load, front/rear	(kg)	1050 / 530 [3] [4]	1050 / 530 [3] [4]	971 / 528 [3] [4]
Wheels/Tyres	3.1	Tyres rubber, SE, pneumatic, polyurethane		V+P/P [5]	V+P/P [5]	V+P/P [5]
	3.2	Tyre size, front		Ø 254 x 102	Ø 254 x 102	Ø 254 x 102
	3.3	Tyre size, rear		Ø 85 x 85 (Ø 85 x 60) [6]	Ø 85 x 85 (Ø 85 x 60) [6]	Ø 85 x 85 (Ø 85 x 60) [6]
	3.4	Auxiliary wheels (dimensions)		2x Ø 140 x 50	2x Ø 140 x 50	2x Ø 140 x 50
	3.5	Wheels, number front/rear (x = driven)		1x + 1 / 2 (1x + 1 / 4) [6]	1x + 1 / 2 (1x + 1 / 4) [6]	1x + 1 / 2 (1x + 1 / 4) [6]
	3.6	Track width, front	b10 (mm)	541 [2]	541 [2]	541 [2]
	3.7	Track width, rear	b11 (mm)	380 [2]	380 [2]	380 [2]
Dimensions	4.2	Height of mast, lowered	h1 (mm)	1915 [2]	1915 [2]	1915 [2]
	4.3	Free lift	h2 (mm)	150	150	150
	4.4	Lift	h3 (mm)	2844 [2]	2844 [2]	2844 [2]
	4.5	Height of mast, extended	h4 (mm)	3364 [2]	3364 [2]	3364 [2]
	4.6	Initial lift	h5 (mm)	-	-	125 [2]
	4.7	Height of overhead guard (cabin)	h6 (mm)	2260	2260	2260
	4.8	Height of seat/stand on platform	h7 (mm)	1024	1024	1024
	4.10	Height of reach legs	h8 (mm)	80 [7]	80 [7]	80 [7]
	4.15	Height, lowered	h13 (mm)	86 [7]	86 [7]	86 [7]
	4.19	Overall length	l1 (mm)	2187 [2]	2187 [2]	2187 [2]
	4.20	Length to fork face	l2 (mm)	1037 [2]	1037 [2]	1037 [2]
	4.21	Overall width	b1/b2 (mm)	820 [2]	820 [2]	820 [2]
	4.22	Fork dimensions DIN ISO 2331	s/e/l (mm)	71 x 180 x 1150 [8]	71 x 180 x 1150 [8]	71 x 180 x 1150 [8]
	4.24	Width of fork carriage	b3 (mm)	780 [2]	780 [2]	780 [2]
	4.25	Fork spread	b5 (mm)	560 [2]	560 [2]	560 [2]
	4.32	Ground clearance, centre of wheelbase	m2 (mm)	30 [9]	30 [9]	20 [9]
	4.33	Load dimension b12 x l6	b12 x l6 (mm)	800 x 1200	800 x 1200	800 x 1200
	4.34	Aisle width predetermined load dimensions	Ast (mm)	2605 [10]	2605 [10]	2605 [10]
	4.35	Turning radius	Wa (mm)	1783	1783	1783
Performance	5.1	Travel speed, with/without load	(km/h)	10 / 10 [11]	10 / 10 [11]	10 / 10 [11]
	5.2	Lifting speed, with/without load	(m/s)	0.144 / 0.447 [4]	0.144 / 0.447 [4]	0.144 / 0.447 (0.045 / 0.088) [12] [4]
	5.3	Lowering speed, with/without load	(m/s)	0.343 / 0.342 [4]	0.343 / 0.342 [4]	0.343 / 0.342 (0.076 / 0.072) [12] [4]
	5.8	Maximum climbing ability, with/without load	(%)	11.0 / 20.0	11.0 / 20.0	11.0 (9.0) / 20.0 [1]
	5.9	Acceleration time, with/without load	(s)	6.1 / 5.0	6.1 / 5.0	6.1 / 5.0
	5.10	Service brake		Electro-magnetic	Electro-magnetic	Electro-magnetic
Drive	6.1	Drive motor rating S2 60 min	(kW)	3	3	3
	6.2	Lift motor rating at S3 15%	(kW)	3.2	3.2	3.2
	6.3	Battery according to DIN 43531/35/36 A,B,C,no		43 535 / A / 3PzS	43 535 / A / 3PzS	43 535 / A / 3PzS
	6.4	Battery voltage/rated capacity (5h)	(V)/(Ah)	24 / 345/375	24 / 345/375	24 / 345/375
	6.5	Battery weight (± 5%)	(kg)	287 [4]	287 [4]	287 [4]
	6.6	Power consumption according to VDI cycle	(kWh/h)	1.65	1.65	1.65
	6.7	Turnover output	(t/h)	64.0	64.0	64.0
	6.8	Energy consumption at turnover output	(kWh/h)	2.26	2.26	2.26
	8.1	Type of drive unit		LAC	LAC	LAC
	10.7	Sound pressure level LpAZ (at the driver's seat)	(dB(A))	65	65	65

1) (Load distribution e.g. 1000 kg on the forks, 1000 kg on the fork arms. Total load max. 2000 kg.)
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) Reach legs 75x150x1115
9) (± 2 mm)
10) Including a 200 mm (min.) operating aisle clearance.
11) (± 5%)
12) Figures in parenthesis with initial lift





Mast 1.4 and 1.6 t (in mm)		1844 S	2344 S	2844 S	3244 S	3744 S	4144 S	4644 S	1844 D	2344 D
Lift	**h3**	1844	2344	2844	3244	3744	4144	4644	1844	2344
Lift + fork height	**h3+h13**	1930	2430	2930	3330	3830	4230	4730	1930	2430
Height, mast lowered	**h1**	1415	1665	1915	2115	2365	2565	2815	1415	1665
Closed height (with free lift at 150 mm)	**h1#**	1490	1740	1990	2190	2440	2640	2890	-	-
Height, mast extended	**h4**	2364	2864	3364	3764	4264	4664	5164	2364	2864
Free lift	**h2**	150	150	150	150	150	150	150	895	1145

Mast 1.4 and 1.6 t (in mm)		2844 D	3244 D	3744 D	4144 D	4266 T	4716 T	5316 T	-
Lift	**h3**	2844	3244	3744	4144	4266	4716	5316	-
Lift + fork height	**h3+h13**	2930	3330	3830	4230	4352	4802	5402	-
Height, mast lowered	**h1**	1915	2115	2365	2565	1915	2065	2265	-
Closed height (with free lift at 150 mm)	**h1#**	1915	2115	2365	2565	1915	2065	2265	-
Height, mast extended	**h4**	3364	3764	4264	4664	4786	5236	5836	-
Free lift	**h2**	1395	1595	1845	2045	1395	1545	1745	-