

Standard and Optional Equipment

Standard Equipment

- 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
- 1.5 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

Optional Equipment

- 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°C

Other Options Available on Request



Stand-on Pallet Stacker

CAPACITY 2000kg

L20 1183

Safety

The Linde pedestrian pallet stacker is a perfect fit for any stacking application. Safety-lift can be used for lifting with the tiller vertical while safety is assured as both hands remain on the controls.

Performance

High operational efficiency is this truck's true strength with its 1.5 kW AC motor. The robust chassis structure gives this truck exceptional residual capacity and offers capacities from 1400 kg up to a strengthened 2000 kg version complying with heavy load handling performances

Comfort

The OptiLift system, easy access to the controls and fingertip operation of the truck allow precise and comfortable hand ling. The proportional speed control option automatically reduces traction speed in relation

to the distance between truck and operator.

Reliability

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.

Service

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.

Features

Tiller & Tiller head

- With the soft fold back system, the tiller returns smoothly to the vertical position preventing impacts against the motor's cover
- Long tiller with low mounting point provides a large safety clearance between operator and chassis
- Easy-to-reach control buttons permit fingertip operation for utmost efficiency
- Wrap-around hand protection



Brakes

- 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



AC motor

- Powerful, high-torque 1.5 kW AC drive motor
- Moisture and dust-proof AC motor
- No rollback when starting on a slope



Lifting System

- 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

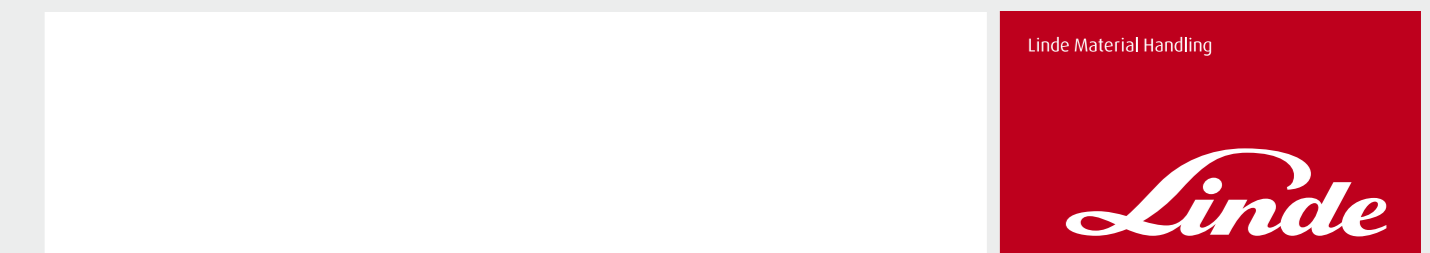
Steering System

- Electric power steering as standard ensures effortless driving
- Proportional speed control varies truck speed automatically in relation to tiller angle for safe operation
- Creep speed function allows for slow operation in confined areas with upright tiller
- End-of-stroke resistance on the tiller avoids accidental, abrupt braking



Subject to modification in the interests of progress. Illustration and technical details not binding for actual constructions and may show the optional equipments.

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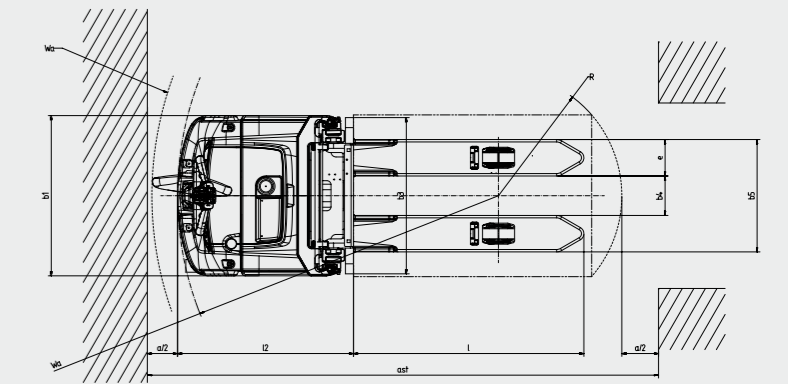
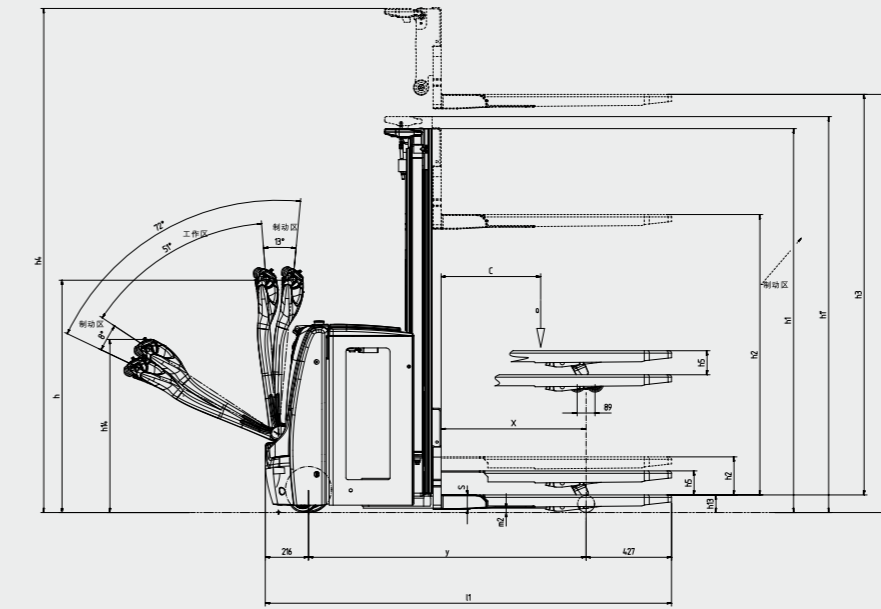
Technical Data

| | | | | |
|-----------------|--|---|----------------------------|-----------------------|
| Characteristics | 1.1 | Manufacturer | | Linde |
| | 1.2 | Configuration code | | L20 |
| | 1.3 | Power unit | | Battery |
| | 1.4 | Operation | | Pedestrian/Stand on |
| | 1.5 | Load capacity | Q(kg) | 2000 ¹⁾ |
| | 1.6 | Load centre | c(mm) | 600 |
| | 1.8 | Axle centre to fork face | x(mm) | 724 |
| | 1.9 | Wheelbase | y(mm) | 1425 |
| | Weights | 2.1 | Service weight | kg |
| 2.2 | | Axle load with load, front (drive)//rear (load) | kg | 1150/2305 |
| 2.3 | | Axle load without load, front (drive)//rear (load) | kg | 1000/455 |
| Wheels | 3.1 | Tyres, front (drive)/rear (load) C=cushion rubber, P=polyurethane | | P+P/P |
| | 3.2 | Tyre size, front (drive) wheel | mm | Ø230XL90 |
| | 3.3 | Tyre size, rear (load) wheel | mm | Ø85 x 65 |
| | 3.4 | Tyre size, front (castor) wheel | mm | 2xØ140 x L50 |
| | 3.5 | Wheels, number front (drive)/rear (load) (x=driven) | | 1x+2/4 |
| | 3.6 | Track width, front (drive) | b10(mm) | 534 |
| | 3.7 | Track width, rear (load) | b11(mm) | 370 |
| Dimensions | 4.2 | Height of mast, lowered | h1(mm) | 1915 ²⁾ |
| | 4.3 | Free lift | h2(mm) | 150 ²⁾ |
| | 4.4 | Lift | h3(mm) | 2684 ²⁾ |
| | 4.5 | Height of mast, extended | h4(mm) | 3284 ²⁾ |
| | 4.9 | Height of tiller arm in operation position min/max (±20 mm) | h14(mm) | 850/1220 |
| | 4.15 | Fork height, lowered | h13(mm) | 86 |
| | 4.19 | Overall length | l1 (mm) | 2068 |
| | 4.20 | Length to fork face | l2 (mm) | 915 |
| | 4.21 | Overall width | b1/b2 | 810 |
| | 4.22 | Fork dimensions | s/e/l (mm) | 73/210/1150 |
| | 4.24 | Width of fork carriage | b3 (mm) | 780 |
| | 4.25 | Fork spread, minimum/maximum | b5 (mm) | 580 |
| | 4.26 | Width between reach legs | b4 (mm) | 160/230 ⁷⁾ |
| | 4.32 | Ground clearance, center of wheelbase | m2 (mm) | 14 |
| | 4.33 | Aisle width with pallet 1000x1200 along forks | Ast (mm) | 2532/2640 |
| 4.34 | Aisle width with pallet 800x1200 along forks | Ast (mm) | 2464/2577 | |
| 4.35 | Turning radius | Wa (mm) | 1642/1750 ^{4) 6)} | |
| Performances | 5.1 | Travel speed, with/without load | km/h | 6/6 |
| | 5.2 | Lifting speed, with/without load | m/s | 0.12/0.25 |
| | 5.3 | Lowering speed, with/without load | m/s | 0.25/0.35 |
| | 5.8 | Maximum climbing ability, with/without load, 5 minute rating | % | 8/24 |
| | 5.10 | Service brake | | Electric |
| Drive | 6.1 | Drive motor, 60 minute rating | kw | 1.5 |
| | 6.2 | Lift motor, 15% rating | kw | 3.2 |
| | 6.3 | Battery according to IEC | | 3Pzs 270 |
| | 6.4 | Battery voltage/rated capacity (5h) | V/Ah | 24/270 |
| | 6.5 | Battery weight | kg | 252 |
| | 6.6 | Power consumption according to VDI cycle | kWh/h | 1.3 |
| Others | 8.1 | Type of Drive control | | LAC |
| | 8.4 | Noise level around driver's ears | dB(A) | ≤65 |

Figures for standard version may vary when options equipment is fitted

- Capacity may be reduced for high lifts
- For all heights, see mast table
- With platform folded/lowered
- Valeurs avec timon Creep speed.
- Including item 6.5) battery weight
- Valeurs avec Bumper.
- fork/load arm

Load Capacity Diagrams:



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

Safety distance a=200mm

Mast Datasheet (in: mm)

| Standard Mast: (L14, L16, L20) | | | | | | | | | | | | | | | | |
|--------------------------------|--------|----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Lift | h3 | mm | 1844 | 1924 | 2344 | 2424 | 2684 | 2844 | 2924 | 3084 | 3244 | 3324 | 3584 | 3744 | 3824 | 4144 |
| Lift+height of fork | h3+h13 | mm | 1930 | 2010 | 2430 | 2510 | 2770 | 2930 | 3010 | 3170 | 3330 | 3410 | 3670 | 3830 | 3910 | 4230 |
| Height of mast, lowered | h1 | mm | 1415 | 1415 | 1665 | 1665 | 1915 | 1915 | 1915 | 2115 | 2115 | 2115 | 2365 | 2365 | 2365 | 2565 |
| Height of mast after free lift | h1 | mm | 1490 | 1490 | 1740 | 1740 | 1990 | 1990 | 1990 | 2190 | 2190 | 2190 | 2440 | 2440 | 2440 | 2640 |
| Height of mast ,extended | h4 | mm | 2364 | 2444 | 2864 | 2944 | 3284 | 3364 | 3444 | 3684 | 3764 | 3844 | 4184 | 4264 | 4344 | 4664 |
| Free lift | h2 | mm | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 |

| Duplex Mast: (L14, L16, L20) | | | | | | | | | | | | | | | | | | |
|--------------------------------|--------|----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Lift | h3 | mm | 4224 | 4644 | 4724 | 1844 | 1924 | 2344 | 2424 | 2684 | 2844 | 2924 | 3084 | 3244 | 3324 | 3584 | 3744 | 3824 |
| Lift+height of fork | h3+h13 | mm | 4310 | 4730 | 4804 | 1930 | 2010 | 2430 | 2510 | 2770 | 2930 | 3010 | 3170 | 3330 | 3410 | 3670 | 3830 | 3910 |
| Height of mast, lowered | h1 | mm | 2565 | 2815 | 2815 | 1415 | 1415 | 1665 | 1665 | 1915 | 1915 | 1915 | 2115 | 2115 | 2115 | 2365 | 2365 | 2365 |
| Height of mast after free lift | h1 | mm | 2640 | 2890 | 2890 | / | / | / | / | / | / | / | / | / | / | / | / | / |
| Height of mast ,extended | h4 | mm | 4744 | 5164 | 5244 | 2364 | 2444 | 2864 | 2944 | 3284 | 3364 | 3444 | 3684 | 3764 | 3844 | 4184 | 4264 | 4344 |
| Free lift | h2 | mm | 150 | 150 | 150 | 895 | 895 | 1145 | 1145 | 1315 | 1395 | 1395 | 1515 | 1595 | 1595 | 1765 | 1845 | 1845 |

| Triplex Mast: (L14, L16, L20) | | | | | | | | | |
|--------------------------------|--------|----|------|------|------|------|------|------|------|
| Lift | h3 | mm | 3276 | 3516 | 4026 | 4226 | 4476 | 4716 | 5316 |
| Lift+height of fork | h3+h13 | mm | 3362 | 3602 | 4112 | 4352 | 4562 | 4802 | 5402 |
| Height of mast, lowered | h1 | mm | 1665 | 1665 | 1915 | 1915 | 2065 | 2065 | 2265 |
| Height of mast after free lift | h1 | mm | / | / | / | / | / | / | / |
| Height of mast ,extended | h4 | mm | 3876 | 4036 | 4626 | 4786 | 5076 | 5236 | 5836 |
| Free lift | h2 | mm | 1065 | 1145 | 1315 | 1395 | 1465 | 1545 | 1745 |