Standard equipment

- Available multistorey display
- Truck activated by entering unique PIN code or by ignition key
- Safe operator compartment with cushioned full suspension platform
- Adjustableดอกกั้น
- Overhead guard
- Adjustable Linde control handlebars
- Inching buttons
- Load backrest
- Various mast types, from 750 mm to 1,924 mm

Options

- Various mast types, from 750 mm to 1,924 mm
- Driver's cabin, polyurethane, cushioned non-marking or wet grip
- Retractable handlebars
- Self-latching at fork carriage
- Adjustable Linde control handlebars
- Reduced-speed forks lowered
- External guard
- Footrest for computer terminal
- Battery tray for side battery change
- Support for data terminal on the bow (front)
- Support for data terminal on the bow (front)
- Support for computer terminal
- Various mast types, from 750 mm to 1,924 mm
- Options available on request.

Equipment

- Linde OptiLift® control
- AC drive motor
- Electronically controlled emergency brakes and proportional handling
- Cushioning driver's seat
- Polyurethane stabilizer wheel
- Proven-acting steering
- Self-controlling steering
- Precision steering at fork carriage
- Protective indicator while cornering

Safety

- Compact design of the Linde control handlebars ensures that the operator remains well within the truck contours while driving. Ergonomic design of the mast prevents a sudden stop by a hand guard and even thick steel body panels assure excellent safety for the operator.

Performance

- Efficiency on the job in the truck's true strength. Governed by a 3 kW AC motor, it quickly accelerates to top speed (12 km/h unloaded), four-point support ensures high stability and the OptiLift® control system is perfect to achieve high precision and productivity in order picking and pallet handling.

Comfort

- Precision working at the highest level of performance calls for a high level of operator comfort. A scooped seat and full suspension platform equipped with a cushioning non-skid seat provides superior comfort on long transport runs and uneven surfaces.

Reliability

- The steady lift height, robust Linde heavy-duty handlebars and high-grade processed chassis construction contribute to especially longer truck life as well as improving order picking performance.

Service

- Speed and economy combine into truck design and preventive maintenance. Linde box conveniently enables all truck data to be read out on a laptop computer by the service technician. With access to all components and maintenance-free AC technology play an additional part in keeping truck up-time and running.

Features

- Linde control handlebars
- Optimum design and position
- Optional protection for both hands
- All main control functions are integrated
- AC drive motor
- Proportional control function permits smoothness and precision with a low sound level
- AC drive motor
- Powerful performance
- Compact design
- Optimum productivity in order picking and pallet handling two pallet loads at once

Order Picker with Fork Lift

Capacity 1200 kg – 2000 kg
N 201, N 20 Li

Batteries for every need
- Safe battery change (one hand)
- Wide range of batteries (low & high)
- Battery locking system secures battery in compartment and eases battery change
- All main control functions are integrated
- AC drive motor
- Proportional control function permits smoothness and precision with a low sound level
- AC drive motor
- Powerful performance
- Compact design
- Optimum productivity in order picking and pallet handling two pallet loads at once

Linde control handlebars
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Linde AG
Linde Material Handling Division, Postfach 10 01 36, 63701 Aschaffenburg, Germany

Linde AG
Linde Material Handling Division, Postfach 10 01 36, 63701 Aschaffenburg, Germany

Illustrations and technical details non-binding. All dimensions subject to customary tolerance.
## Technical data (According to VDI 2198)

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>N 20 L</th>
<th>N 20 Li</th>
</tr>
</thead>
<tbody>
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<td>Height mast lowered h1 (mm)</td>
<td>1315</td>
<td>1315</td>
</tr>
<tr>
<td>Height mast extended h4 (mm)</td>
<td>1398</td>
<td>2110</td>
</tr>
<tr>
<td>Free lift h2 (mm)</td>
<td>750</td>
<td>150</td>
</tr>
<tr>
<td>Lift h3 (mm)</td>
<td>750</td>
<td>1574</td>
</tr>
<tr>
<td>Lift + fork height h3+h13 (mm)</td>
<td>840</td>
<td>1664</td>
</tr>
<tr>
<td>Height of the seat h7 (mm)</td>
<td>900</td>
<td>1000</td>
</tr>
<tr>
<td>Height of the handle bar in operating position, min/max h14 (mm)</td>
<td>1140/1190</td>
<td>1140/1190</td>
</tr>
<tr>
<td>Fork carriage width b3 (mm)</td>
<td>539</td>
<td>780</td>
</tr>
<tr>
<td>Fork spread (+– 5 mm) b5 (mm)</td>
<td>560</td>
<td>560</td>
</tr>
<tr>
<td>Ground clearance, centre of wheelbase m2 (mm)</td>
<td>30</td>
<td>20</td>
</tr>
<tr>
<td>Aisle width with pallet 1000 x 1200 across forks Ast (mm)</td>
<td>3083</td>
<td>3247</td>
</tr>
<tr>
<td>Aisle width with pallet 800 x 1200 along forks Ast (mm)</td>
<td>3031</td>
<td>3118</td>
</tr>
<tr>
<td>Turning radius (fork raised) Wa (mm)</td>
<td>2236</td>
<td>2445</td>
</tr>
<tr>
<td>Travel speed (foreward), with/without load (+– 5 %) km/h</td>
<td>10/8/12</td>
<td>10/12</td>
</tr>
<tr>
<td>Lifting speed, with/without load (+– 10 mm) m/s</td>
<td>0.11/0.2</td>
<td>0.11/0.2</td>
</tr>
<tr>
<td>Lowering speed, with/without load (+– 10 mm) m/s</td>
<td>0.3/0.3</td>
<td>0.3/0.3</td>
</tr>
<tr>
<td>Climbing ability, with/without load (30 minutes rating) %</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Maximum climbing ability, with/without load (5 minutes rating) %</td>
<td>12/18</td>
<td>9 (12)/18</td>
</tr>
<tr>
<td>Acceleration time, with/without load s–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Service brake</td>
<td>Electromagnetic</td>
<td>Electromagnetic</td>
</tr>
<tr>
<td>Drive motor (60 minutes rating) kW</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Lift motor rating 15 % kW</td>
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<td>1.7</td>
</tr>
<tr>
<td>Battery according to DIN 43531/35/36 A, B, C, no kW DIN 43535 B</td>
<td>–</td>
<td>–</td>
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<tr>
<td>Battery voltage/rated capacity (5 h) V/Ah</td>
<td>24/240</td>
<td>24/240</td>
</tr>
<tr>
<td>Battery weight (+– 10 %) kg</td>
<td>295</td>
<td>295</td>
</tr>
<tr>
<td>Battery consumption according to VDI cycle Ah</td>
<td>–</td>
<td>–</td>
</tr>
</tbody>
</table>

Safety clearance a = 200 mm

Pallet 1000 x 1200 (along forks) B (l) 1 = 473 mm R = 31 mm

Pallet 1200 x 1200 (across forks) B (l) 1 = 622 mm R = 64.5 mm
Technical data (According to VDI 2198)

1.1 Manufacturer LINDE
1.2 Model designation N 20 L N 20 Li
1.3 Power unit Battery
1.4 Operation Stand-on
1.5 Load capacity Q (kg) 1200
1.6 Load centre c (mm) 600
1.8 Axle centre to fork face (+– 5 mm) x (mm) 760
1.9 Wheelbase (+– 5 mm) y (mm) 1401
2.1 Service weight (with battery item 6.5) (+– 10 %) kg 1195
2.2 Axle load with load (1200 kg), drive side/load side (+– 10 %) kg 982/1413
2.3 Axle load without load, drive side/load side (+– 10 %) kg 895/300
3.1 Tyre treads: Polyurethane, Rubber
3.2 Tyre size, drive side ø X l (mm) ø 254 x 102
3.3 Tyre size, load side ø X l (mm) ø 2 x 85 x 60
3.4 Auxiliary wheels (dimensions) ø X l (mm) ø 100 x 40
3.5 Wheels number, drive side/load side (x = driven) 1x + 1 /2
3.6 Track width, drive side (+– 5 mm) mm 470
3.7 Track width, load side (+– 5 mm) mm 380
4.2 Mast height, lowered h1 (mm) 1315
4.3 Free lift h2 (mm) 750
4.4 Lift h3 (mm) 750
4.5 Mast height, extended h4 (mm) 1315
4.6 Initial hub h5 (mm) – 125
4.8 Height of the seat h7 (mm) 900/1000
4.9 Height of the handle bar in operating position, min/max h14 (mm) 1140/1190
4.15 Fork height, lowered h13 (mm) 90
4.19 Overall length (+– 5 mm) l1 (mm) 2618
4.20 Length to fork face (+– 5 mm) l2 (mm) 1468
4.21 Overall width (+– 5 mm) b1 (mm) 790
4.22 Fork dimensions s/e/l (mm) 55 x 180 x 1150
4.23 Load arm dimensions s/e/l (mm) 50 x 125 x 882
4.24 Fork carriage width b3 (mm) 539
4.25 Fork spread (+– 5 mm) b5 (mm) 560
4.32 Ground clearance, centre of wheelbase m2 (mm) 30
4.33 Aisle width with pallet 1000 x 1200 across forks Ast (mm) 3083
4.34 Aisle width with pallet 800 x 1200 along forks Ast (mm) 3031
4.35 Turning radius (fork raised) Wa (mm) 2236
5.1 Travel speed (foreward), with/without load (+– 5 %) km/h 12/10
5.2 Lifting speed, with/without load (+– 10 mm) m/s 0.11/0.2
5.3 Lowering speed, with/without load (+– 10 mm) m/s 0.3/0.3
5.7 Climbing ability, with/without load (30 minutes rating) % – –
5.8 Maximum climbing ability, with/without load (5 minutes rating) % 12/18
5.9 Acceleration time, with/without load s – –
6.1 Drive motor (60 minutes rating) kW 3
6.2 Lift motor rating 15 % kW 1.7
6.3 Battery according to DIN 43531/35/36 A, B, C, no kW DIN 43535 B
6.4 Battery voltage/rated capacity (5 h) V/Ah 24/240
6.5 Battery weight (+– 10 %) kg 295
6.6 Battery consumption according to VDI cycle Ah – –
8.1 Type of drive control LAC
8.4 Sound level at operator's ear dB (A) <70

Safety clearance a = 200 mm

Pallet 1000 x 1200 (along forks) B (l) = 473 mm R = 331 mm
Pallet 1000 x 1200 (across forks) B (l) = 622 mm R = 443 mm
### Technical data (According to VDI 2198)

#### 1. General
- **Manufacturer:** LINDE
- **Model designation:** N 20 L, N 20 Li

#### 2. Operating Characteristics
- **Load capacity:** Q (kg) 1200
- **Load centre c (mm) 600**
- **Axle centre to fork face (+– 5 mm) x (mm) 760**
- **Wheelbase (+– 5 mm) y (mm) 1401**
- **Service weight (with battery item 6.5) (+– 10 %) kg 1195**
- **Axle load with load (1200 kg), drive side/load side (+– 10 %) kg 982/1413**
- **Axle load without load, drive side/load side (+– 10 %) kg 895/300**

#### 3. Tyres and Wheels
- **Tyre treads:** Polyurethane, Rubber
- **Tyre size, drive side ø X l (mm) ø 254 x 102**
- **Tyre size, load side ø X l (mm) ø 2 x 85 x 60**
- **Auxiliary wheels (dimensions) ø X l (mm) ø 100 x 40**
- **Wheels number, drive side/load side (x = driven) 1x +1 /2 1x + 1 /2**
- **Track width, drive side (+– 5 mm) mm 470**
- **Track width, load side (+– 5 mm) mm 380**

#### 4. Mast Height
- **Mast height, lowered h1 (mm) 1315**
- **Free lift h2 (mm) 750**
- **Lift h3 (mm) 750 1574**
- **Mast height, extended h4 (mm) 1315 2110**
- **Initial lift h5 (mm) – 125**
- **Height of the seat h7 (mm) 900/1000**
- **Height of the handle bar in operating position, min/max h14 (mm) 1140/1190**
- **Fork height, lowered h13 (mm) 90**
- **Overall length (+– 5 mm) l1 (mm) 2618**
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- **Overall width (+– 5 mm) b1 (mm) 790**
- **Fork dimensions s/e/l (mm) 55 x 180 x 1150**
- **Load arm dimensions s/e/l (mm) 50 x 125 x 882**
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- **Fork spread (+– 5 mm) b5 (mm) 560**
- **Ground clearance, centre of wheelbase m2 (mm) 30**
- **Aisle width with pallet 1000 x 1200 across forks Ast (mm) 3083**
- **Aisle width with pallet 800 x 1200 along forks Ast (mm) 3031**
- **Turning radius (fork raised) Wa (mm) 2236**

#### 5. Performance
- **Travel speed (foreward), with/without load (+– 5 %) km/h 12/10**
- **Lifting speed, with/without load (+– 10 mm) m/s 0.11/0.2**
- **Lifting speed (initial lift), with/without load (+– 10 mm) m/s – 0.06/0.08**
- **Lowering speed, with/without load (+– 10 mm) m/s 0.3/0.3**
- **Lowering speed (initial lift), with/without load (+– 10 mm) m/s – 0.07/0.07**
- **Climbing ability, with/without load (30 minutes rating) % – –**
- **Maximum climbing ability, with/without load (5 minutes rating) % 12/18 (12)/18**
- **Acceleration time, with/without load s– –**

#### 6. Braking and Drives
- **Service brake:** Electromagnetic
- **Drive motor (60 minutes rating) kW 3**
- **Battery:** DIN 43531/35/36 A, B, C, no kW DIN 43535 B
- **Battery voltage/rated capacity (5 h) V/Ah 24/240**
- **Battery weight (+– 10 %) kg 295**
- **Battery consumption according to VDI cycle Ah – –**

#### 8. Characteristics
- **Type of drive control:** LAC
- **Sound level at operator's ear dB (A) <70**

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### Additional Information
- **Safety clearance a:** 200 mm
- **Pallet 800 x 1200 (along forks) R (Li) = 473 mm**
- **Pallet 1000 x 1200 (across forks) R (Li) = 602 mm**
- **Pallet 800 x 1200 (along forks) R = 595 mm**
- **Pallet 1000 x 1200 (across forks) R = 647 mm**
**Equipment**

**Standard equipment**
- Available multi-use display
- Truck activated by entering unique PID code or by signature key
- Safe operation compartment with footwells and flat non-penetrating platform
- Mechanical connection incorporating two compartments
- Cushion drive wheel
- Adjustable backrest
- Single (G) or tandem (H, P) polyurethane load wheels
- Power-assisted steering, with a proportional steering resistance
- Self-centering steering
- Front swivel wheels, 150 mm diameter
- Automatic speed indication when reversing

**Options**
- Various mast types, from 750 mm to 1,500 mm
- Drive wheel, polyurethane, with or without non-marking or wet grip
- Linking features
- Soft landing at fork carriage
- Adjustable link control handlebars
- Reduced speed, fork lowered
- Door guard
- Front load (for computer terminal)
- Battery charger for side battery change
- Upper swivel seat positioned in the lower (front)
- Other options available on request.

**Safety**
- Compact design of the link control handlebars ensures that the operator remains well within the track contours while driving, ergonomic design of the rear grip endowed by a shark guard and some thick steel body panels assure excellent safety for the operator.

**Performance**
- Efficiency on the job is the truck’s true strength. Driven by a 3 kW AC motor, it quickly accelerates to top speed (12 km/h unloaded). Four-point support ensures high stability and the OptiLift® control is perfect to achieve high precision and productivity in order picking and pallet handling.

**Comfort**
- Precision working at the highest level of performance calls for a high level of operator comfort. A scooped seat and full suspension platform endowed with a cushioning non-skid seat pan provide superior comfort on long transport runs and uneven ground.

**Features**

**Order Picker with Fork Lift**

**Capacity 1200 kg – 2000 kg**

N 200 Li

**Batteries for every need**
- Lithium batteries (low & high)
- Cold store protection –35°C
- Soft landing of fork carriage
- Drive wheel: polyurethane, cushion non-marking or wet grip
- Protection –10°C
- Electric horn
- Fork width 560 mm, fork length 1,150 mm
- Mast safety screen (polycarbonate or mesh)
- Single (L) or Tandem (L/Li) polyurethane load wheels
- Polyurethane stabilizer wheel
- Cushion drive wheel
- 3 kW AC motor, it quickly accelerates to top speed (12 km/h unloaded). Four-point support ensures high stability and the OptiLift® control is perfect to achieve high precision and productivity in order picking and pallet handling.

**Service**
- Speed and economy continue over into truck diagnosis and preventive maintenance. OptiLift® control enables all truck diagnostics to be made on a single computer by the service technician. Swift access to all components and maintenance-free AC technology play an additional part in keeping truck uptime up.

**Power steering for comfort and safety**
- Power steering for comfort and safety
- Electronic management of all components and circuits by the service technician to achieve best performances in every application.
Equipment

Standard equipment

- Available in 2 versions: display and digital display
- Trucks are available in various sizes: 1200 kg – 2000 kg
- Safety features: electronic brake on the load, safety belt, overload protection
- Electronic brake on the load: ensures safe braking in any situation
- Overload protection: prevents the load from exceeding the maximum capacity
- Safety belt: provides additional protection for the operator

Options

- Wide range of options available: batteries, lifting capacity, etc.
- Electronic brake on the load: ensures safe braking in any situation
- Overload protection: prevents the load from exceeding the maximum capacity
- Safety belt: provides additional protection for the operator

Features

- OptiLift® control: ensures optimal performance in every application
- Electronic management of all components: improves efficiency and reduces downtime
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