Safety
The design of the order picker ensures that the operator remains within the truck contours at all times and the rounded shape of the cushioned backrest ensures his comfort. The high front steel bumper ensures also safety for both the operator and the machine. Furthermore, the truck immediately comes to a stop as soon as the travel butterfly is released for optimum safety.

Performance
Powered by a 3 kW AC motor, the N20-N25 C and N25 C HP are able to reach a top speed of 14 km/h, making long transfers highly productive. The inching command ensures efficiency in the picking operation. In addition, the rising platform option is designed to optimize occasional first and second level order picking. A wide range of batteries, including Li-ION technology are available to match any customer application.

Comfort
A perfect interface between operator and truck is assured with the new height adjustable Linde Steering Wheel which guarantees effortless driving and manoeuvring. A wide operator’s compartment and low step-in height ensures efficient picking from either side while the optional pneumatic damper protects the operator’s body from shocks, especially when driving on rougher floors.

Reliability
The trucks are designed, built and tested for consistent reliability in demanding applications. The motor, sub-components and electronics are all protected within the robust chassis structure, which can be further reinforced by different front chassis protection options. These features guarantee a longer operating life, whilst delivering safe, efficient, and productive load handling.

Service
Efficiency at work and when servicing with cost effective maintenance routines are important. With service intervals of up to 1000 hours and a computerized diagnostic system via CAN-bus, maintenance interventions are minimal and operating costs are reduced. Easy accessibility to all components thanks to the front panel and the maintenance free AC technology play an additional part in maximizing uptime.

ORDER PICKER
N20 C B | N20-25 C | N25 C HP

CAPACITY 2000 KG – 2500 KG | SERIES 4587

Here you can find more content via your smartphone: Linde Augmented Reality App
## TECHNICAL DATA
### ACCORDING TO VDI 2198

### Characteristics

<table>
<thead>
<tr>
<th>1.1</th>
<th>Manufacturer</th>
<th>LINDE</th>
<th>LINDE</th>
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<tbody>
<tr>
<td>1.2</td>
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<td>N20C B</td>
<td>N20C</td>
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<tr>
<td>1.3</td>
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<td>Electric</td>
<td>Electric</td>
</tr>
<tr>
<td>1.4</td>
<td>Operator type</td>
<td>Stand-on</td>
<td>Stand-on</td>
</tr>
<tr>
<td>1.5</td>
<td>Rated capacity / rated load</td>
<td>Q (t)</td>
<td>2.0</td>
</tr>
<tr>
<td>1.6</td>
<td>Load centre distance</td>
<td>x (mm)</td>
<td>1200</td>
</tr>
<tr>
<td>1.7</td>
<td>Load, centre of drive axle to fork</td>
<td>y (mm)</td>
<td>1365</td>
</tr>
<tr>
<td>1.8</td>
<td>Wheelbase</td>
<td>2720</td>
<td>2720</td>
</tr>
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</table>

### Weight

<table>
<thead>
<tr>
<th>2.1</th>
<th>Service weight (including battery)</th>
<th>(kg)</th>
<th>(kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.2</td>
<td>Axle loading, laden front/rear</td>
<td>(kg)</td>
<td>(kg)</td>
</tr>
<tr>
<td>2.3</td>
<td>Axle loading, unladen front/rear</td>
<td>(kg)</td>
<td>(kg)</td>
</tr>
<tr>
<td>2.4</td>
<td>Service weight</td>
<td>1178</td>
<td>1178</td>
</tr>
<tr>
<td>2.5</td>
<td>Axle loading, laden</td>
<td>1120 / 2058</td>
<td>1120 / 2058</td>
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<tr>
<td>2.6</td>
<td>Axle loading, unladen</td>
<td>897 / 281</td>
<td>897 / 281</td>
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</table>

### Wheels and tyres

<table>
<thead>
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<th>Tyres</th>
<th>Polyurethane</th>
<th>Polyurethane</th>
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</thead>
<tbody>
<tr>
<td>3.2</td>
<td>Tyre size, front</td>
<td>230 x 90</td>
<td>254 x 102</td>
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<tr>
<td>3.3</td>
<td>Tyre size, rear</td>
<td>85 x 100</td>
<td>85 x 100</td>
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<tr>
<td>3.4</td>
<td>Additional wheels (dimensions)</td>
<td>150 x 50</td>
<td>150 x 50</td>
</tr>
<tr>
<td>3.5</td>
<td>Wheels, number front/rear (x = driven wheels)</td>
<td>1x - 1 / 2</td>
<td>1x - 1 / 2</td>
</tr>
<tr>
<td>3.6</td>
<td>Tread, front</td>
<td>b10 (mm)</td>
<td>478</td>
</tr>
<tr>
<td>3.7</td>
<td>Tread, rear</td>
<td>b11 (mm)</td>
<td>348 (368 / 388 / 498)</td>
</tr>
</tbody>
</table>

### Dimensions

<table>
<thead>
<tr>
<th>4.1</th>
<th>Height, mast lowered</th>
<th>h1 (mm)</th>
<th>-</th>
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</thead>
<tbody>
<tr>
<td>4.2</td>
<td>Height, mast extended</td>
<td>h2 (mm)</td>
<td>130</td>
</tr>
<tr>
<td>4.3</td>
<td>Lift</td>
<td>h3 (mm)</td>
<td>-</td>
</tr>
<tr>
<td>4.4</td>
<td>Height of wheel arms</td>
<td>h4 (mm)</td>
<td>110</td>
</tr>
<tr>
<td>4.5</td>
<td>Height, elevated (with lifting platform)</td>
<td>h5 (mm)</td>
<td>1258</td>
</tr>
<tr>
<td>4.6</td>
<td>Lift, driven wheels</td>
<td>h6 (mm)</td>
<td>-</td>
</tr>
<tr>
<td>4.7</td>
<td>Overhang</td>
<td>h7 (mm)</td>
<td>897</td>
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<tr>
<td>4.8</td>
<td>Length to face of forks</td>
<td>h8 (mm)</td>
<td>-</td>
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<tr>
<td>4.9</td>
<td>Distance between fork-arms</td>
<td>h9 (mm)</td>
<td>-</td>
</tr>
<tr>
<td>4.10</td>
<td>Fork dimensions</td>
<td>h10 (mm)</td>
<td>-</td>
</tr>
<tr>
<td>4.11</td>
<td>Fork-carrige width</td>
<td>h11 (mm)</td>
<td>-</td>
</tr>
<tr>
<td>4.12</td>
<td>Ground clearance, centre of wheelbase</td>
<td>h12 (mm)</td>
<td>-</td>
</tr>
<tr>
<td>4.13</td>
<td>Ground clearance, laden, below mast</td>
<td>h13 (mm)</td>
<td>-</td>
</tr>
<tr>
<td>4.14</td>
<td>Ground clearance, laden, below mast</td>
<td>h14 (mm)</td>
<td>-</td>
</tr>
<tr>
<td>4.15</td>
<td>Height drawbar in driving position</td>
<td>h15 (mm)</td>
<td>-</td>
</tr>
<tr>
<td>4.16</td>
<td>Stand height // Seat height (min/max)</td>
<td>h16 (mm)</td>
<td>130 (15)</td>
</tr>
<tr>
<td>4.17</td>
<td>Height of wheel arms</td>
<td>h17 (mm)</td>
<td>-</td>
</tr>
<tr>
<td>4.18</td>
<td>Height, mast lowered</td>
<td>h18 (mm)</td>
<td>-</td>
</tr>
<tr>
<td>4.19</td>
<td>Overall length</td>
<td>h19 (mm)</td>
<td>348 (168 / 388 / 498)</td>
</tr>
</tbody>
</table>

### Performance

<table>
<thead>
<tr>
<th>5.1</th>
<th>Travel speed laden/unladen</th>
<th>(km/h)</th>
<th>6</th>
<th>8</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.2</td>
<td>Lift speed laden/unladen</td>
<td>(km/h)</td>
<td>7</td>
<td>10</td>
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<tr>
<td>5.3</td>
<td>Lowering speed laden/unladen</td>
<td>(km/h)</td>
<td>0.070 / 0.111</td>
<td>0.084 / 0.067</td>
</tr>
<tr>
<td>5.4</td>
<td>Max. gradeability laden/unladen</td>
<td>(%)</td>
<td>7 % / 12 %</td>
<td>6.5 / 5.1</td>
</tr>
<tr>
<td>5.5</td>
<td>Acceleration time, laden/unladen</td>
<td>(s)</td>
<td>9 / 12</td>
<td>8 / 11</td>
</tr>
<tr>
<td>5.6</td>
<td>Acceleration time, laden/unladen</td>
<td>(s)</td>
<td>0.070 / 0.111</td>
<td>0.084 / 0.067</td>
</tr>
<tr>
<td>5.7</td>
<td>Acceleration time, laden/unladen</td>
<td>(s)</td>
<td>7 % / 12 %</td>
<td>6.5 / 5.1</td>
</tr>
<tr>
<td>5.8</td>
<td>Acceleration time, laden/unladen</td>
<td>(s)</td>
<td>8.7 / 11</td>
<td>8.7 / 11</td>
</tr>
<tr>
<td>5.9</td>
<td>Acceleration time, laden/unladen</td>
<td>(s)</td>
<td>0.084 / 0.067</td>
<td>0.084 / 0.067</td>
</tr>
<tr>
<td>5.10</td>
<td>Max. gradeability laden/unladen</td>
<td>(%)</td>
<td>7 % / 12 %</td>
<td>6.5 / 5.1</td>
</tr>
<tr>
<td>5.11</td>
<td>Acceleration time, laden/unladen</td>
<td>(s)</td>
<td>9 / 12</td>
<td>8 / 11</td>
</tr>
</tbody>
</table>

### Drive

<table>
<thead>
<tr>
<th>6.1</th>
<th>Drive motor, rating</th>
<th>(kW)</th>
<th>2.3</th>
</tr>
</thead>
</table>
| 6.2  | Lift motor, rating | (kW) | 2.2 / 5%
| 6.3  | Battery voltage / nominal capacity KS | (V) / (Ah) | 24 / 145 |
| 6.4  | Battery voltage / nominal capacity KS | (V) / (Ah) | 4.8 / 160 |
| 6.5  | Battery capacity | (Ah) | 240 / 465 |
| 6.6  | Energy consumption according to VDI cycle | (kWh) | 0.8 |
| 6.7  | Turnout output | (kWh) | 0.8 |
| 6.8  | Energy consumption at turnout output | (kWh) | - |

### Others

<table>
<thead>
<tr>
<th>8.1</th>
<th>Drive control</th>
<th>AC control</th>
<th>AC control</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.2</td>
<td>Sound level at driver’s ear</td>
<td>(dB(A))</td>
<td>&lt; 70</td>
</tr>
</tbody>
</table>

### Notes

- with forks length 2390 mm / x = 165 mm / pull bar version, for other forks dimension see table in Linde World
- with load arms or forks raised
- with lifting platform = 50 mm
- with tray 4 PzS or Li-ION = 114 mm
- with lifting platform standard version + 15 mm, with lifting platform option damped version + 30 mm
- with lifting platform option standard version + 72 mm, with lifting platform option damped version + 87 mm, with tiller adjustment option, h14 setting range = + 89 mm / - 19 mm
- with lifting platform option standard/damped version
- faster truck version available as optional: 10 km/h laden (except for trucks with Li-ION battery) / 14 km/h unladen
- faster truck version available as optional: 14 km/h unladen
- on rounded edge slope with forks / arms raised, if possible
- for the geometric limit on unrounded edge slope, see table in Linde World
**TECHNICAL DATA**

**ACCORDING TO VDI 2198**

### Characteristics

<p>| | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1.1</td>
<td>Manufacturer</td>
<td>LINDE</td>
<td></td>
<td>LINDE</td>
</tr>
<tr>
<td>1.2</td>
<td>Manufacturer's type designation</td>
<td>N25C</td>
<td></td>
<td>N25C HP</td>
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<tr>
<td>1.3</td>
<td>Drive</td>
<td>Electric</td>
<td>Stand-on</td>
<td>Electric, Stand-on</td>
</tr>
</tbody>
</table>

#### Drive

- **Motor Capacity**: 3 kW
- **Battery Voltage**: 24 V
- **Turnover Output**: 0.5 kW
- **Energy Consumption**: < 0.7 kWh

#### Dimension

- **Width**: 800 mm
- **Height**: 1290 mm

#### Performance

- **Travel Speed Laden/Unladen (km/h)**: 9/12
- **Lift Speed Laden/Unladen (m/s)**: 0.7/0.6
- **Max. Gradeability Laden/Unladen (%)**: 7.5

#### Weight

- **Service Weight (kg)**: 1203
- **Axle Loading Loaded Front/Rear (kg)**: 1188 / 2515
- **Axle Loading Unladen Front/Rear (kg)**: 906 / 297

#### Wheels and Tyres

- **Tyres**: Polyurethane
- **Tyre Size Front**: 254 x 102
- **Tyre Size Rear**: 85 x 80

#### Others

- **Drive Control**: AC control
- **Sound Level at Driver’s Ear (dB(A))**: < 70

---

3) with forks length 2390 mm / x = 1615 mm / pull bar version;
for other forks dimension see table in Linde World

7) with lifting platform option standard version + 15 mm;
with lifting platform option damped version; + 114 mm

2) with forks length 2390 mm / x = 1615 mm / pull bar version;
for other forks dimension see table in Linde World

9) with lifting platform option standard / damped version

11) faster truck version available as optional: 10 km/h laden (except for trucks with Li-ION battery) / 14 km/h unladen

13) on rounded edge slope with forks / arms raised, if possible

14) for the geometric limit on unrounded edge slope, see table in Linde World
### STANDARD EQUIPMENT

- **Chassis width**: 800 mm
- **Rubber platform mat**
- **Anti-slip stripes**
- **Fixed cushioned and roundly shaped backrest equipped with handle**
- **Power assisted steering, adjustable steering resistance**
- **Polyurethane drive wheel**
- **Single polyurethane load wheel**
- **Single polyurethane castor wheel**
- **Polyurethane castor wheels (on the five-point contact HP version)**
- **Workstation with A4 clip integrated**
- **Key switch or PIN code access**
- **Multifunction colored display incl. hour meter, maintenance indication, battery discharge indicator and internal fault code indication**
- **2.3 kW (on N20 C B) and 3 kW AC drive motor (maintenance free)**
- **2.2 kW (5 % rating output) lift motor**
- **CAN-bus technology**
- **Automatic speed reduction in curves**
- **Initial lift electrical stop sensor**
- **Automatic breaking on releasing butterfly switch**
- **Electromagnetic emergency brake acting proportionally to the load weight**
- **Electric horn**
- **Initial lift of 130 mm**
- **Width over fork carriage**: 520 mm, 540 mm, 560 mm and 670 mm
- **Fork carriage length**: 990 mm, 1190 mm, 1450 mm, 1600 mm, 1800 mm, 2150 mm and 2390 mm
- **Vertical battery change in 3 and 4 PzS**
- **Protection -10° C**

### OPTIONAL EQUIPMENT

- **Drive wheels**: cushion rubber, synthetic cushion rubber non marking, wet grip
- **Load wheels**: tandem polyurethane, single and tandem polyurethane greaseable
- **Castor wheels**: tandem polyurethane and tandem polyurethane greaseable
- **Raising platform (except on N25 C HP)**
- **Pneumatic damping of foot platform**
- **Cushioned knee protection and foldable leg rest step**
- **Height adjustable Linde Steering Wheel**
- **Height adjustable cushioned backrest with foldable seating support**
- **Dashboard with incorporated storage compartments**
- **Inching control (forward only or forward/backward) and initial lift**
- **Accessory supports**
  - Support Clipboard DIN A4 and panoramic mirror
  - Support data terminal and power supply cable 24 V
  - Support for scanner and shrink wrap holder
  - Working lamp LED with ON/OFF switch
  - Electric socket 12 V or USB plug
- **Other options available on request**
  - **Forks:**
    - Width over fork carriage: 520 mm, 540 mm, 560 mm and 670 mm
    - Fork carriage length: 2900 mm and 3100 mm
  - Locking/unlocking of roll cages on fork tip (fork length >1600 mm)
  - Speed reduction if forks lowered
  - **Safety:**
    - Front chassis protections
    - Load Backrest 1290 mm/1875 mm
    - Linde BlueSpot™, Front LED-stripes, Flashing Beacon
  - **Environment:**
    - Cold store protection - 35° C
  - **Linde Connected Solutions:**
    - ac: access control (PIN or RFID Dual), an: usage analysis,
    - dt: crash detection, tr: trouble code and hr: operating hours
    - Data transfer online and data transfer WiFi
    - Bluetooth USB Stick
  - **Battery:**
    - Lateral battery change 3 PzS/4 PzS low available with an ergonomic battery un/locking with lever and rollers
    - Lateral battery change 3 PzS/4 PzS high available with a simple battery un/locking system
    - Lateral battery change 3 PzS/4 PzS for competitor batteries
    - Built-in charger for lead acid batteries
  - **Li-ION technology:**
    - 4 PzS compartment with 4.5 kWh - 9 kWh (205 Ah - 410 Ah)
  - **Li-ION charger:**
    - 24 V-Charger v255: 4.5 kWh (full charging time 1 h 30 min) - 9.0 kWh (2 h 40 min)
FEATURES

Optimal load handling
→ Four points contact configuration for maximum stability
→ High-performance model with five-point contact configuration available for optimized traction (N25 C HP)
→ Hydraulic tandem castor wheels, select perfect ratio between stability and traction for constant ground contact (N25 C HP)
→ Traction speed from 10 km/h (N20 C B) to 14 km/h (N20-25 C / C HP) unloaded
→ Electromagnetic braking initiated by the emergency stop button acts on the drive motor, proportional

Easy manoeuvering
→ Intuitive Linde Steering Wheel, with all functions (horn, initial lift, traction butterflies) easily accessible without losing grip ensures one-hand operation
→ Ergonomic and safe driving position
→ Self centering steering for faster picking cycles

Service Efficiency
→ Integrated CAN-bus diagnostic system for faster analysis and shorter service intervals
→ All truck parameters are configurable by service technician to suit each individual application
→ Rapid and convenient access to main components via front service panel
→ Easy access to central drive wheel thanks to service access point (HP model)

Workstation
→ Wide, easy access, from either side
→ Numerous storage compartments, maximized with optional dashboard for increased storage
→ Various optional accessories designed to streamline picking
→ Pedestrian command for traction and initial lift

Efficient drive system
→ Powerful, high-torque 2.3 kW (N20 C B) and 3 kW AC drive motor
→ Moisture and dust-proof maintenance-free motor with up to 7 % gradeability performance fully loaded
→ Safe starting on gradients without rollback
→ Effortless proportional electric power steering with positive feedback
→ Automatic speed reduction when cornering

Productivity at the second level
→ Raising platform option to optimize occasional first and second level picking (except on N25 C HP)
→ Optional pneumatic damper for optimum comfort
→ Wide access of 428 mm
→ OptiLift® systems ensures proportional lift and lowering of platform and quiet operation
→ Platform lifting command intuitively placed on Linde Steering Wheel for single-hand operation
→ Platform lowering with foot switch

Work in comfort
→ Wide platform access of 428 mm and low step in height of 130 mm
→ Damped mat or pneumatic damper for reduced vibration levels
→ Height adjustable Linde Steering Wheel
→ Cushioned, rounded-shape backrest, also available with height adjustment with foldable seating support

Energy for your activity
→ Vertical change as standard, optional side change
→ Wide range of batteries (low and high) from 345 Ah (3 PzS) to 620 Ah (4 PzS)
→ Battery lockings dedicated for competitor batteries
→ Ergonomic lever on low batteries

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.

Presented by:

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