

## Standard equipmnt

- Linde twin pedals system
- Linde joystick integrated in armrest
- 2×4KW maintenace-free AC drive motors
- 180 degree battery door for vertical/lateral battery change
- Linde Curve Assist
- Adjustable PVC seat, adapts to operator's body size and weight
- Multifunction LCD display
- Battery capacity 48V/575-700 Ah
- LED rear lamp
- SE tyres
- Standard mast lift height h3 = 3250 mm
- Fork length l = 1,000mm

## Options

- Connect Solution
- Single drive pedal with direction lever in armrest
- Alternative fork lengths
- Alternative fork carriage widths
- Triplex masts, lift height to 6220 mm
- Integrated sideshift
- One, two additional hydraulic circuits for attachments
- Fork extensions
- Load backrest
- Full cab with doors
- Front and rear screens, wipers and tops screen
- Comfortable seat
- Blue Spot
- Linde auto fire extinguisher

## Other Options Available on Request



## Battery Counterbalanced Forklift Truck

CAPACITY 1600, 2000 kg  
E16, E20 1275

### Safety

High stability and excellent traction achieved by design incorporating high-level engineering expertise and construction employing high-quality materials. Outstanding performance by Linde advanced axle, which automatically extends truck wheelbase when the mast is tilted back.

### Performance

Advanced motors combined with the original Linde Load Control system enable the operator to turn the truck's vast potential into utmost productivity. Comfortable and precise fingertip control of all mast functions. Powerful AC motors boost power for excellent performance.

### Comfort

The high level of operator comfort allows a high level of

precision and working performance. The ease of handing afforded by the Linde twin drive pedals provide the basis for fast, stress-free working.

### Reliability

Electric forklifts need reliable electronics. Linde Digital Control provides dependability of a high standard through redundant monitoring systems, complete protection from dust and dirt is gained by totally enclosed aluminum casing.

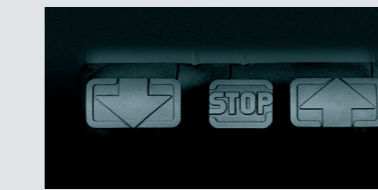
### Service

The rapid battery changing methods, service-free AC motor and disc brake greatly reduce the downtime to ensure the lowest cost. Linde digital control system makes diagnose much easy.

## Features

### Reliable brake system

- Regenerative brake, shorter brake distance, regenerate energy, longer working hour
- Wet disc brake, less maintenance and reliable
- Excellent slope behavior, truck roll back slowly even forget to actuate parking brake



### Linde Twin Pedals System

- Quick change of forward/reverse direction without changing feet on pedals
- Increased productivity
- Fatigue-free working

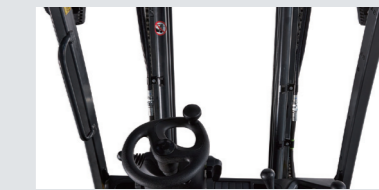


### Linde Joystick System

- Accurate, safe load handing
- Effortless fingertip control of all mast functions
- Hydraulic control levers integrated in armrest

### Flexible battery change solutions

- Standard with battery door for vertical and lateral battery changing
- Flexible change solutions for different applications
- Quick battery change to reduce down time



### Linde clear-view mast

- Superb visibility through slim-profile sections of mast
- Full load capacity up to maximum lift height
- Exceptional residual capacity

Linde Material Handling

*Linde*

\*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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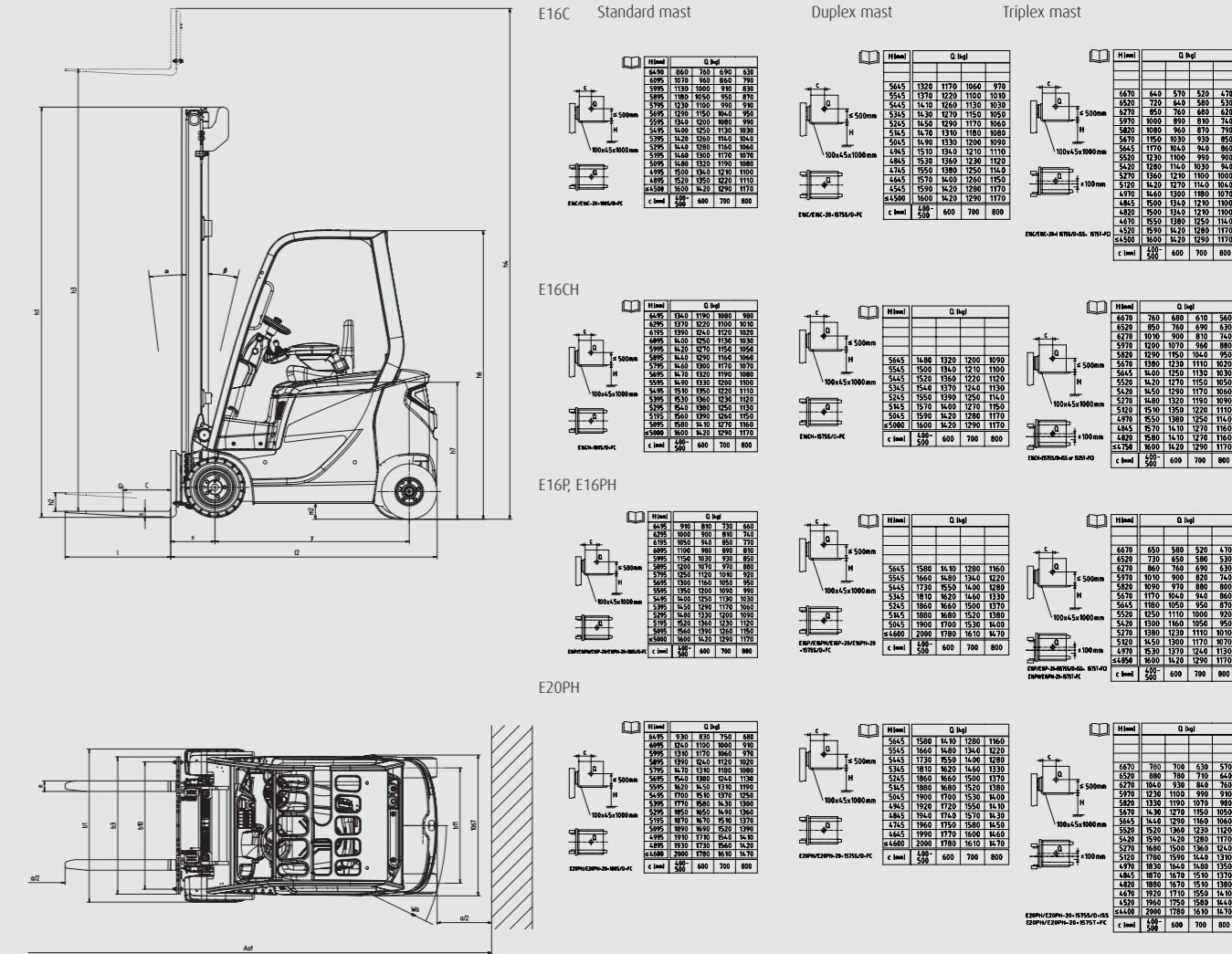
# Technical Data

| Characteristics | Linde   |  |                             |                         |                          |                          |                         |
|-----------------|---|--|-----------------------------|-------------------------|--------------------------|--------------------------|-------------------------|
|                 | 1.1   | 1.2  | 1.3                         | 1.4                     | 1.5                      | 1.6                      | 1.7                     |
| 1.1             | Manufacturer  |  |                             |                         |                          |                          |                         |
| 1.2             | Model designation   |  |                             |                         |                          |                          |                         |
| 1.3             | Power unit:Electromotion,diesel,gasoline,LPG, mains power     |  |                             |                         |                          |                          |                         |
| 1.4             | Operation: manual, pedestrain, stand-on, seated, order picker |  |                             |                         |                          |                          |                         |
| 1.5             | Load capacity   | Q(t)   | 1.6                         | 1.6                     | 1.6                      | 1.6                      | 2.0                     |
| 1.6             | Load center   | c(mm)  | 500                         | 500                     | 500                      | 500                      | 500                     |
| 1.8             | Axle centre to fork face                                      | x(mm)  | 335                         | 335                     | 335                      | 335                      | 339                     |
| 1.9             | Wheelbase   | y(mm)  | 1356 <sup>2)</sup>          | 1383 <sup>2)</sup>      | 1442 <sup>2)</sup>       | 1472 <sup>2)</sup>       | 1472 <sup>2)</sup>      |
| 2.1             | Service weight  |  |                             |                         |                          |                          |                         |
| 2.2             | Axle load with load, front/rear                               | kg   | 4165/615 <sup>2)</sup>      | 4281/784 <sup>2)</sup>  | 4156/554 <sup>2)</sup>   | 4263/782 <sup>2)</sup>   | 4885/655 <sup>2)</sup>  |
| 2.3             | Axle load without load, front/rear                            | kg   | 1580/1600 <sup>2)</sup>     | 1715/1750 <sup>2)</sup> | 1630/ 1480 <sup>2)</sup> | 1755/ 1690 <sup>2)</sup> | 1750/1790 <sup>2)</sup> |
| Tyres           | 3.1   | Tyre:SE=(super elastic),P=(pneumatic)            | SE                          | SE                      | SE                       | SE                       | SE                      |
|                 | 3.2   | Tyre size, front                                 | 18x7-8                      | 200/50-10               | 18x7-8                   | 18x7-8                   | 200/50-10               |
|                 | 3.3   | Tyre size, rear                                  | 15x4 1/2-8                  | 15x4 1/2-8              | 16x6-8                   | 16x6-8                   | 16x6-8                  |
|                 | 3.5   | Wheels, number front/rear(X=driven)              | 2X / 2                      | 2X / 2                  | 2X / 2                   | 2X / 2                   | 2X / 2                  |
| Measurements    | 3.6   | Track width, front                               |                             |                         |                          |                          |                         |
|                 | 3.7   | Track width, rear                                | b10(mm)                     | 925                     | 945                      | 925                      | 945                     |
|                 | 4.1   | Mast tilt, forward/backward                      | $\alpha / \beta (^{\circ})$ | 5.7/6.5                 | 5.7/6.5                  | 5.7/7.5                  | 5.7/7.5                 |
|                 | 4.2   | Height of mast, lowered                          | h1(mm)                      | 2194                    | 2192                     | 2194                     | 2196                    |
|                 | 4.3   | Free lift  | h2(mm)                      | 150                     | 150                      | 150                      | 150                     |
|                 | 4.4   | Lift   | h3(mm)                      | 3250                    | 3250                     | 3250                     | 3250                    |
|                 | 4.5   | height of mast, extended                         | h4(mm)                      | 3861                    | 3861                     | 3861                     | 3863                    |
|                 | 4.7   | Height of overhead guard (cabin)                 | h6(mm)                      | 2018                    | 2176                     | 2018                     | 2173                    |
|                 | 4.8   | Height of seat platform                          | h7(mm)                      | 990                     | 1150                     | 990                      | 1150                    |
|                 | 4.12  | Tow coupling height                              | h10(mm)                     | 529                     | 614                      | 563                      | 644                     |
|                 | 4.19  | Overall length                                   | l1(mm)                      | 2880 <sup>2)</sup>      | 2908 <sup>2)</sup>       | 2983 <sup>2)</sup>       | 3018 <sup>2)</sup>      |
|                 | 4.20  | Length to fork face                              | l2(mm)                      | 1880 <sup>2)</sup>      | 1908 <sup>2)</sup>       | 1983 <sup>2)</sup>       | 2018 <sup>2)</sup>      |
| Performances    | 4.21  | Overall width                                    | b1/b2(mm)                   | 1083                    | 1158                     | 1083                     | 1158                    |
|                 | 4.22  | Fork dimensions,sxexl                            | s/e/l(mm)                   | 45 x 100 x 1000         | 45 x 100 x 1000          | 45 x 100 x 1000          | 45 x 100 x 1000         |
|                 | 4.23  | Fork carriage to Din 15173, class/form A,B       |                             | 2A                      | 2A                       | 2A                       | 2A                      |
|                 | 4.24  | Width of fork carriage                           | b3 [mm]                     | 1040                    | 1040                     | 1040                     | 1040                    |
|                 | 4.31  | Ground clearance, mast                           | m1(mm)                      | 95                      | 95                       | 90                       | 90                      |
|                 | 4.32  | Ground clearance, center of wheelbase            | m2(mm)                      | 110                     | 110                      | 105                      | 105                     |
|                 | 4.33  | Aisle width with pallet 1000x1200mm across forks | Ast(mm)                     | 3212 <sup>2)</sup>      | 3241 <sup>2)</sup>       | 3408 <sup>2)</sup>       | 3480 <sup>2)</sup>      |
|                 | 4.34  | Aisle width with pallet 800x1200mm along forks   | Ast(mm)                     | 3334 <sup>2)</sup>      | 3363 <sup>2)</sup>       | 3605 <sup>2)</sup>       | 3680 <sup>2)</sup>      |
|                 | 4.35  | Turning radius                                   | Wa(mm)                      | 1548 <sup>2)</sup>      | 1577 <sup>2)</sup>       | 1870 <sup>2)</sup>       | 1945 <sup>2)</sup>      |
|                 | 4.36  | Minium pivoting distance                         | b13(mm)                     | 0                       | 0                        | 514                      | 598                     |
|                 | 5.1   | Travel speed, with/without load                  | km/h                        | 15.8/15.8               | 15/15                    | 15.8/15.8                | 15.8/15.8               |
|                 | 5.2   | Lifting speed,with/without load                  | m/s                         | 0.44 / 0.57             | 0.44 / 0.57              | 0.44 / 0.57              | 0.44 / 0.57             |
| 5.3             | Lowering speed, with/without load                             | m/s  | 0.54 / 0.54                 | 0.54 / 0.54             | 0.54 / 0.54              | 0.54 / 0.54              |                         |
| 5.5             | Tractive force, with/without load (60 minute rating)          | N  | 2900/3400                   | 4400/4500               | 3400/3400                | 4400/4500                |                         |
| 5.6             | Maximum tractive force, with/without load (5 minute rating)   | N  | 11000/7300                  | 10700/8900              | 11000/8400               | 12300/11100              |                         |
| 5.7             | Climbing ability,with/without load(30 minute rating)          | [%]  | 6.1/10.8                    | 8.9/13.4                | 7.3/11.1                 | 8.9/13.4                 |                         |
| 5.8             | Maximum climbing ability,with/without load (5 minute rating)  | [%]  | 21.7/21.4                   | 19.7/24.4               | 22.1/25.8                | 23.2/31.8                |                         |
| 5.9             | Acceleration time,with/without load (first 15m)               | [s]  | 6.0/5.8                     | 6.3/6.2                 | 6.2/6.2                  | 6.2/5.8                  |                         |
| 5.10            | Service brake   |  | Hydraulic / electric        |                         |                          |                          |                         |
| Drive           | 6.1   | Drive motor hour rating (60 minute rating)       | kW                          | 2 x 4                   | 2 x 4                    | 2 x 4                    | 2 x 4                   |
|                 | 6.2   | Lift motor,15% rating                            | kW                          | 8.5                     | 8.5                      | 8.5                      | 8.5                     |
|                 | 6.3   | Battery according to DIN43 535/36 A/B/C/no       |                             | 43531A                  | 43531A                   | 43531A                   | 43531A                  |
|                 | 6.4   | Batteru voltage / capacity (5 hours)             | V / Ah                      | 48/ 575                 | 48/700                   | 48/575                   | 48/700                  |
| 6.5             | Battery weight (+/-5%)  | kg   | 856                         | 1118                    | 856                      | 1118                     |                         |
| 6.6             | Power Consumption according to VDI cycle                      |  | 4.7                         | 5.0                     | 4.8                      | 5.1                      |                         |
| Others          | 8.1   | Type of drive control                            |                             | Microprocessor.         | Microprocessor.          | Microprocessor.          | Microprocessor.         |
|                 | 8.2   | Working pressure for attachments                 | bar                         | 200                     | 200                      | 200                      | 250                     |
|                 | 8.3   | l flow for attachments                           | bar                         | 20                      | 20                       | 20                       | 20                      |
|                 | 8.4   | Mean noise level at driver's ear                 | db                          | -                       | -                        | -                        | -                       |

Figures for standard version may vary when options equipment is fitted

- Figure in brackets refer to triplex mast.
- At 0° tilt angle.

# Lifting capacity diagram for standard, duplex mast and triplex mast with standard fork carriage



# Mast Datasheet (in: mm)

| Standard masts (mm)                          | E16C/E16P |      |      |      |      |      |      |      |      |      | E16CH/E20PH |      |      |      |      |      |      |      |      |      |
|--|-----------|------|------|------|------|------|------|------|------|------|-------------|------|------|------|------|------|------|------|------|------|
|  | h3        | h2   | h1   | h4   | h3   | h2   | h1   | h4   | h3   | h2   | h1          | h4   | h3   | h2   | h1   | h4   | h3   | h2   | h1   | h4   |
| Lift height                                  | 2850      | 3050 | 3250 | 3650 | 3850 | 4250 | 4850 | 5650 | 3050 | 3250 | 3650        | 3850 | 4250 | 4850 | 5650 | 3050 | 3250 | 3650 | 3850 | 4250 |
| Retracted height                             | 1994      | 2094 | 2194 | 2394 | 2494 | 2694 | 2994 | 3394 | 2094 | 2194 | 2394        | 2494 | 2694 | 2994 | 3394 | 2094 | 2194 | 2394 | 2494 | 2694 |
| Free lift (With LBR)                         | 150       | 150  | 150  | 150  | 150  | 150  | 150  | 150  | 150  | 150  | 150         | 150  | 150  | 150  | 150  | 150  | 150  | 150  | 150  | 150  |
| Free lift (Without LBR)                      | 150       | 150  | 150  | 150  | 150  | 150  | 150  | 150  | 150  | 150  | 150         | 150  | 150  | 150  | 150  | 150  | 150  | 150  | 150  | 150  |
| Height of overall at max. lift (With LBR)    | 3006      | 4106 | 4306 | 4706 | 4906 | 5306 | 6106 | 6906 | 3106 | 3306 | 3706        | 3906 | 4306 | 4906 | 5706 | 3106 | 3306 | 3706 | 3906 | 4306 |
| Height of overall at max. lift (Without LBR) | 3463      | 3663 | 3863 | 4263 | 4463 | 4863 | 5663 | 6463 | 3463 | 3663 | 4063        | 4263 | 4663 | 5263 | 6063 | 3463 | 3663 | 4063 | 4263 | 4663 |

| Duplex masts (mm)                            | E16C/E16P/E16PH |      |      |      |      |      |      |      | E16CH/E20PH |      |      |      |      |      |      |      |      |      |      |      |
|--|-----------------|------|------|------|------|------|------|------|-------------|------|------|------|------|------|------|------|------|------|------|------|
|  | h3              | h2   | h1   | h4   | h3   | h2   | h1   | h4   | h3          | h2   | h1   | h4   | h3   | h2   | h1   | h4   | h3   | h2   | h1   | h4   |
| Lift height                                  | 2795            | 3045 | 3245 | 3345 | 3445 | 3545 | 3745 | 4145 | 2795        | 3045 | 3245 | 3345 | 3445 | 3545 | 3745 | 4145 | 2795 | 3045 | 3245 | 3345 |
| Retracted height                             | 1945            | 2070 | 2170 | 2270 | 2370 | 2470 | 2670 | 2970 | 1945        | 2070 | 2170 | 2270 | 2370 | 2470 | 2670 | 2970 | 1945 | 2070 | 2170 | 2270 |
| Free lift (With LBR)                         | 905             | 1030 | 1130 | 1180 | 1230 | 1280 | 1380 | 1580 | 905         | 1030 | 1130 | 1180 | 1230 | 1280 | 1380 | 1580 | 905  | 1030 | 1130 | 1180 |
| Free lift (Without LBR)                      | 1343            | 1468 | 1568 | 1618 | 1668 | 1718 | 1818 | 2018 | 1343        | 1468 | 1568 | 1618 | 1668 | 1718 | 1818 | 2018 | 1343 | 1468 | 1568 | 1618 |
| Height of overall at max. lift (With LBR)    | 3825            | 4085 | 4285 | 4385 | 4485 | 4585 | 4785 | 5185 | 3825        | 4085 | 4285 | 4385 | 4485 | 4585 | 4785 | 5185 | 3825 | 4085 | 4285 | 4385 |
| Height of overall at max. lift (Without LBR) | 3977            | 3647 | 3847 | 3947 | 4047 | 4147 | 4347 | 4747 | 3977        | 3647 | 3847 | 3947 | 4047 | 4147 | 4347 | 4747 | 3977 | 3647 | 3847 | 3947 |

| Triplex masts (mm)                           | E16C/E16P/E16PH |      |      |      |      |      |      |      |      |      | E16CH/E20PH |      |      |      |      |      |      |      |      |      |
|--|-----------------|------|------|------|------|------|------|------|------|------|-------------|------|------|------|------|------|------|------|------|------|
|  | h3              | h2   | h1   | h4   | h3   | h2   | h1   | h4   | h3   | h2   | h1          | h4   | h3   | h2   | h1   | h4   | h3   | h2   | h1   | h4   |
| Lift height                                  | 4100            | 4475 | 4625 | 4775 | 4925 | 5225 | 5375 | 5475 | 5625 | 5775 | 5925        | 6225 | 6475 | 4100 | 4475 | 4625 | 4775 | 4925 | 5225 | 5375 |
| Retracted height                             | 1943            | 2068 | 2118 | 2168 | 2218 | 2318 | 2368 | 2468 | 2518 | 2568 | 2618        | 2718 | 2818 | 1943 | 2068 | 2118 | 2168 | 2218 | 2318 | 2368 |
| Free lift (With LBR)                         | 905             | 1030 | 1080 | 1130 | 1180 | 1280 | 1330 | 1430 | 1480 | 1530 | 1580        | 1680 | 1780 | 905  | 1030 | 1080 | 1130 | 1180 | 1280 | 1330 |
| Free lift (Without LBR)                      | 1343            | 1468 | 1518 | 1568 | 1618 | 1718 | 1768 | 1868 | 1918 | 1968 | 2018        | 2118 | 2218 | 1343 | 1468 | 1518 | 1568 | 1618 | 1718 | 1768 |
| Height of overall at max. lift (With LBR)    | 5139            | 5514 | 5664 | 5814 | 5964 | 6264 | 6414 | 6514 | 6614 | 6714 | 6814        | 7214 | 7314 | 5139 | 5514 | 5664 | 5814 | 5964 | 6264 | 6414 |
| Height of overall at max. lift (Without LBR) | 4701            | 5076 | 5226 | 5376 | 5476 | 5676 | 5776 | 5876 | 5976 | 6076 | 6176        | 6576 | 6676 | 4701 | 5076 | 5226 | 5376 | 5476 | 5676 | 5776 |