



Electric Heavy Trucks

E100 – E180

Capacity 10.0 t – 18.0 t | Series 1471

PB ION

Silent Power Athlete

- Powerful all-electric forklift combining high performance with zero emissions
- Heavy duty transport of loads up to 18000 kg with lift heights up to 9.5 m
- Excellent all-round visibility
- Choice of lead-acid or lithium-ion batteries for maximum flexibility
- Lead-acid batteries offer a highly cost-effective power solution

TECHNICAL DATA (according to VDI 2198)

| | | | Linde MH | | | |
|------------------|---|--|--|--------------------|-------------------------|-------------------------|
| | | | E100/600 | E120/600 | E140/600 | |
| Characteristics | 1.1 | Manufacturer (abbreviation) | Linde MH | Linde MH | Linde MH | |
| | 1.2 | Manufacturer's type designation | E100/600 | E120/600 | E140/600 | |
| | 1.2a | Series | 1471 | 1471 | 1471 | |
| | 1.3 | Drive | Battery | Battery | Battery | |
| | 1.4 | Operation | Seat | Seat | Seat | |
| | 1.5 | Rated capacity/rated load | Q (t) | 10.0 | 12.0 | 14.0 |
| | 1.6 | Load centre distance | c (mm) | 600 | 600 | 600 |
| | 1.8 | Load distance, centre of drive axle to fork | x (mm) | 847 | 847 | 884 |
| | 1.9 | Wheelbase | y (mm) | 3000 | 3000 | 3000 |
| Weight | 2.1 | Service weight | kg | 22697 | 22697 | 23920 |
| | 2.2 | Axle loading, laden front/rear | kg | 26514/6183 | 29479/5218 | 34031/3889 |
| | 2.3 | Axle loading, unladen front/rear | kg | 11691/11006 | 11691/11006 | 13106/10814 |
| Tyres/chassis | 3.1 | Tyres: solid rubber, superelastic, pneumatic, polyurethane | | Pneumatic | Pneumatic | Pneumatic |
| | 3.2 | Tyre size, front | | 11.00 × 20/18 PR | 11.00 × 20/18 PR | 12.00 × 20/20 PR |
| | 3.3 | Tyre size, rear | | 11.00 × 20/18 PR | 11.00 × 20/18 PR | 12.00 × 20/20 PR |
| | 3.5 | Wheels, number front/rear (× = driven wheels) | | 4x/2 | 4x/2 | 4x/2 |
| | 3.6 | Tread, front | b10 (mm) | 1874 | 1874 | 1874 |
| | 3.7 | Tread, rear | b11 (mm) | 1970 | 1970 | 1970 |
| | Dimensions | 4.1 | Mast/fork carriage tilt, forward/backwards | α/β (°) | 15.0/10.0 ¹⁾ | 15.0/10.0 ¹⁾ |
| 4.2 | | Mast height, lowered | h1 (mm) | 3404 ²⁾ | 3404 ²⁾ | 3736 ²⁾ |
| 4.3 | | Free lift | h2 (mm) | 150 | 150 | 150 |
| 4.4 | | Lift | h3 (mm) | 4000 | 4000 | 4000 |
| 4.5 | | Mast height, extended | h4 (mm) | 5329 | 5329 | 5661 |
| 4.7 | | Height of overhead guard (cabin) | h6 (mm) | 3010 | 3010 | 3035 |
| 4.8 | | Seat height relating to SIP/stand height | h7 (mm) | 1974 | 1974 | 2004 |
| 4.12 | | Coupling height | h10 (mm) | 550 | 550 | 580 |
| 4.19 | | Overall length | l1 (mm) | 5784 | 5784 | 5766 |
| 4.20 | | Length to fork face | l2 (mm) | 4584 | 4584 | 4566 |
| 4.21 | | Overall width | b1/b2 (mm) | 2530/2300 | 2530/2300 | 2565/2300 |
| 4.22 | | Fork dimensions DIN ISO 2331 | s/e/l (mm) | 90/200/1200 | 90/200/1200 | 100/200/1200 |
| 4.23 | | Fork carriage ISO 2328, class/type A, B | | Hyd Fork Posn. | Hyd Fork Posn. | Hyd Fork Posn. |
| 4.24 | | Fork carriage width | b3 (mm) | 2545 | 2545 | 2545 |
| 4.25 | | Fork spread | b5 (mm) | 610/2274 | 610/2274 | 620/2220 |
| 4.31 | | Ground clearance, laden, below mast | m1 (mm) | 172 | 172 | 200 ⁴⁾ |
| 4.32 | | Ground clearance, centre of wheelbase | m2 (mm) | 346 | 346 | 376 |
| 4.33 | | Load dimension b12 × l6 | b12 × l6 (mm) | - | - | - |
| 4.34 | | Aisle width predetermined load dimensions | Ast (mm) | - | - | - |
| 4.34.1 | | Aisle width for pallets 1000 × 1200 crossways | Ast (mm) | 6149 ³⁾ | 6149 ³⁾ | 6186 ³⁾ |
| 4.34.2 | Aisle width for pallets 800 × 1200 lengthways | Ast (mm) | 6349 ³⁾ | 6349 ³⁾ | 6386 ³⁾ | |
| 4.35 | Turning radius | Wa (mm) | 4102 | 4102 | 4102 | |
| 4.36 | Inside turning radius | b13 (mm) | 1362 | 1362 | 1362 | |
| Performance data | 5.1 | Travel speed, laden/unladen | km/h | 18/20 | 18/20 | 18/20 |
| | 5.2 | Lifting speed, laden/unladen | m/s | 0.39/0.39 | 0.39/0.39 | 0.39/0.39 |
| | 5.3 | Lowering speed, laden/unladen | m/s | 0.5/0.49 | 0.5/0.49 | 0.5/0.49 |
| | 5.5 | Drawbar pull, laden/unladen | N | 106000 | 106000 | 106000 |
| | 5.7 | Gradeability, laden/unladen | % | n.A. | n.A. | n.A. |
| | 5.9 | Acceleration time, laden/unladen | s | n.A. | n.A. | n.A. |
| Electric engine | 6.1 | Drive motor rating S2 60 min | kW | 4 × 18 | 4 × 18 | 4 × 18 |
| | 6.2 | Lift motor rating at S3 15% | kW | 3 × 25 | 3 × 25 | 4 × 25 |
| | 6.3 | Battery according to DIN 43531/35/36 A, B, C, no | | 43 536 A | 43 536 A | 43 536 A |
| | 6.4 | Battery voltage/nominal capacity K 5 | (V)/(Ah) o. kWh | 2x 80/930 | 2x 80/930 | 2x 80/930 |
| | 6.4.a | Battery energy content | kWh | 2x 59.52 | 2x 59.52 | 2x 59.52 |
| | 6.5 | Battery weight (±5%) | kg | 2x 2178 | 2x 2178 | 2x 2178 |
| | 6.6 | Energy consumption according to DIN EN 16796 | kWh/h | n.A. | n.A. | n.A. |
| Additional data | 10.1 | Operating pressure for attachments | bar | 250 | 250 | 250 |
| | 10.2 | Oil flow for attachments | l/min | 5-130 | 5-130 | 5-130 |
| | 10.7 | Sound pressure level LpAZ (at the operator's seat) | dB(A) | 70 | 70 | 70 |
| | 10.8 | Towing coupling, design/type, DIN | | Ø 50 mm | Ø 50 mm | Ø 50 mm |
| | 11.2 | Static stability | | 2.28 | 1.9 | 1.56 |

1) Interlock at 5° forward tilt angle

2) With 150 mm free lift

3) Including a 200 mm (min.) operating aisle clearance

4) Ground clearance to chassis is 287 mm

TECHNICAL DATA (according to VDI 2198)

| Characteristics | 1.1 | Manufacturer (abbreviation) | | Linde MH | Linde MH | Linde MH |
|------------------|---|--|--|--------------------|-------------------------|-------------------------|
| | 1.2 | Manufacturer's type designation | | E150/600 | E160/600 | E180/600 |
| | 1.2a | Series | | 1471 | 1471 | 1471 |
| | 1.3 | Drive | | Battery | Battery | Battery |
| | 1.4 | Operation | | Seat | Seat | Seat |
| | 1.5 | Rated capacity/rated load | Q (t) | 15.0 | 16.0 | 18.0 |
| | 1.6 | Load centre distance | c (mm) | 600 | 600 | 600 |
| | 1.8 | Load distance, centre of drive axle to fork | x (mm) | 884 | 884 | 884 |
| | 1.9 | Wheelbase | y (mm) | 3250 | 3250 | 3250 |
| Weight | 2.1 | Service weight | kg | 23213 | 24731 | 25961 |
| | 2.2 | Axle loading, laden front/rear | kg | 35052/3161 | 36859/3872 | 39574/4387 |
| | 2.3 | Axle loading, unladen front/rear | kg | 13203/10010 | 13553/11178 | 13355/12606 |
| Tyres/chassis | 3.1 | Tyres: solid rubber, superelastic, pneumatic, polyurethane | | Pneumatic | Pneumatic | Pneumatic |
| | 3.2 | Tyre size, front | | 12.00 × 20/20 PR | 12.00 × 20/20 PR | 12.00 × 20/20 PR |
| | 3.3 | Tyre size, rear | | 12.00 × 20/20 PR | 12.00 × 20/20 PR | 12.00 × 20/20 PR |
| | 3.5 | Wheels, number front/rear (× = driven wheels) | | 4x/2 | 4x/2 | 4x/2 |
| | 3.6 | Tread, front | b10 (mm) | 1874 | 1874 | 1874 |
| | 3.7 | Tread, rear | b11 (mm) | 1970 | 1970 | 1970 |
| | Dimensions | 4.1 | Mast/fork carriage tilt, forward/backwards | α/β (°) | 15.0/10.0 ¹⁾ | 15.0/10.0 ¹⁾ |
| 4.2 | | Mast height, lowered | h1 (mm) | 3736 ²⁾ | 3736 ²⁾ | 3736 ²⁾ |
| 4.3 | | Free lift | h2 (mm) | 150 | 150 | 150 |
| 4.4 | | Lift | h3 (mm) | 4000 | 4000 | 4000 |
| 4.5 | | Mast height, extended | h4 (mm) | 5661 | 5661 | 5661 |
| 4.7 | | Height of overhead guard (cabin) | h6 (mm) | 3035 | 3035 | 3035 |
| 4.8 | | Seat height relating to SIP/stand height | h7 (mm) | 2004 | 2004 | 2004 |
| 4.12 | | Coupling height | h10 (mm) | 580 | 580 | 580 |
| 4.19 | | Overall length | l1 (mm) | 6016 | 6016 | 6171 |
| 4.20 | | Length to fork face | l2 (mm) | 4816 | 4816 | 4971 |
| 4.21 | | Overall width | b1/b2 (mm) | 2565/2300 | 2565/2300 | 2565/2300 |
| 4.22 | | Fork dimensions DIN ISO 2331 | s/e/l (mm) | 100/200/1200 | 100/200/1200 | 100/200/1200 |
| 4.23 | | Fork carriage ISO 2328, class/type A, B | | Hyd Fork Posn. | Hyd Fork Posn. | Hyd Fork Posn. |
| 4.24 | | Fork carriage width | b3 (mm) | 2545 | 2545 | 2545 |
| 4.25 | | Fork spread | b5 (mm) | 620/2220 | 620/2220 | 620/2220 |
| 4.31 | | Ground clearance, laden, below mast | m1 (mm) | 200 ⁴⁾ | 200 ⁴⁾ | 200 ⁴⁾ |
| 4.32 | | Ground clearance, centre of wheelbase | m2 (mm) | 376 | 376 | 376 |
| 4.33 | | Load dimension b12 × l6 | b12 × l6 (mm) | - | - | - |
| 4.34 | | Aisle width predetermined load dimensions | Ast (mm) | - | - | - |
| 4.34.1 | | Aisle width for pallets 1000 × 1200 crossways | Ast (mm) | 6422 ³⁾ | 6422 ³⁾ | 6596 ³⁾ |
| 4.34.2 | Aisle width for pallets 800 × 1200 lengthways | Ast (mm) | 6622 ³⁾ | 6622 ³⁾ | 6796 ³⁾ | |
| 4.35 | Turning radius | Wa (mm) | 4338 | 4338 | 4512 | |
| 4.36 | Inside turning radius | b13 (mm) | 1405 | 1405 | 1405 | |
| Performance data | 5.1 | Travel speed, laden/unladen | km/h | 18/20 | 18/20 | 18/20 |
| | 5.2 | Lifting speed, laden/unladen | m/s | 0.39/0.39 | 0.39/0.39 | 0.39/0.39 |
| | 5.3 | Lowering speed, laden/unladen | m/s | 0.5/0.49 | 0.5/0.49 | 0.5/0.49 |
| | 5.5 | Drawbar pull, laden/unladen | N | 106000 | 106000 | 106000 |
| | 5.7 | Gradeability, laden/unladen | % | n.A. | n.A. | n.A. |
| | 5.9 | Acceleration time, laden/unladen | s | n.A. | n.A. | n.A. |
| Electric-engine | 6.1 | Drive motor rating S2 60 min | kW | 4 × 18 | 4 × 18 | 4 × 18 |
| | 6.2 | Lift motor rating at S3 15% | kW | 4 × 25 | 4 × 25 | 4 × 25 |
| | 6.3 | Battery according to DIN 43531/35/36 A, B, C, no | | 43 536 A | 43 536 A | 43 536 A |
| | 6.4 | Battery voltage/nominal capacity K 5 | (V)/(Ah) o. kWh | 2x 80/1240 | 2x 80/1240 | 2x 80/1240 |
| | 6.4.a | Battery energy content | kWh | 2x 79.36 | 2x 79.36 | 2x 79.36 |
| | 6.5 | Battery weight (±5%) | kg | 2x 2785 | 2x 2785 | 2x 2785 |
| | 6.6 | Energy consumption according to DIN EN 16796 | kWh/h | n.A. | n.A. | n.A. |
| Additional data | 10.1 | Operating pressure for attachments | bar | 250 | 250 | 250 |
| | 10.2 | Oil flow for attachments | l/min | 5-130 | 5-130 | 5-130 |
| | 10.7 | Sound pressure level LpAZ (at the operator's seat) | dB(A) | 70 | 70 | 70 |
| | 10.8 | Towing coupling, design/type, DIN | | Ø 50 mm | Ø 50 mm | Ø 50 mm |
| | 11.2 | Static stability | | 1.46 | 1.53 | 1.53 |

1) Interlock at 5° forward tilt angle

2) With 150 mm free lift

3) Including a 200 mm (min.) operating aisle clearance

4) Ground clearance to chassis is 287 mm

TECHNICAL DATA (according to VDI 2198)

| | Characteristics | | | Linde MH | Linde MH | Linde MH |
|------------------|---|--|--|--------------------|-------------------------|-------------------------|
| | | | | E180/900 | E100/1200 | E120/1200 |
| Characteristics | 1.1 | Manufacturer (abbreviation) | | Linde MH | Linde MH | Linde MH |
| | 1.2 | Manufacturer's type designation | | E180/900 | E100/1200 | E120/1200 |
| | 1.2a | Series | | 1471 | 1471 | 1471 |
| | 1.3 | Drive | | Battery | Battery | Battery |
| | 1.4 | Operation | | Seat | Seat | Seat |
| | 1.5 | Rated capacity/rated load | Q (t) | 18.0 | 10.0 | 12.0 |
| | 1.6 | Load centre distance | c (mm) | 900 | 1200 | 1200 |
| | 1.8 | Load distance, centre of drive axle to fork | x (mm) | 929 | 884 | 884 |
| | 1.9 | Wheelbase | y (mm) | 3500 | 3000 | 3250 |
| Weight | 2.1 | Service weight | kg | 27345 | 24062 | 24457 |
| | 2.2 | Axle loading, laden front/rear | kg | 41539/3806 | 30317/3745 | 33322/3135 |
| | 2.3 | Axle loading, unladen front/rear | kg | 14133/13212 | 13370/10692 | 13627/10830 |
| Tyres/chassis | 3.1 | Tyres: solid rubber, superelastic, pneumatic, polyurethane | | Pneumatic | Pneumatic | Pneumatic |
| | 3.2 | Tyre size, front | | 12.00 × 20/20 PR | 12.00 × 20/20 PR | 12.00 × 20/20 PR |
| | 3.3 | Tyre size, rear | | 12.00 × 20/20 PR | 12.00 × 20/20 PR | 12.00 × 20/20 PR |
| | 3.5 | Wheels, number front/rear (× = driven wheels) | | 4x/2 | 4x/2 | 4x/2 |
| | 3.6 | Tread, front | b10 (mm) | 1874 | 1874 | 1874 |
| | 3.7 | Tread, rear | b11 (mm) | 1970 | 1970 | 1970 |
| | Dimensions | 4.1 | Mast/fork carriage tilt, forward/backwards | α/β (°) | 15.0/10.0 ¹⁾ | 15.0/10.0 ¹⁾ |
| 4.2 | | Mast height, lowered | h1 (mm) | 3736 ²⁾ | 3736 ²⁾ | 3736 ²⁾ |
| 4.3 | | Free lift | h2 (mm) | 150 | 150 | 150 |
| 4.4 | | Lift | h3 (mm) | 4000 | 4000 | 4000 |
| 4.5 | | Mast height, extended | h4 (mm) | 5661 | 5661 | 5661 |
| 4.7 | | Height of overhead guard (cabin) | h6 (mm) | 3035 | 3035 | 3035 |
| 4.8 | | Seat height relating to SIP/stand height | h7 (mm) | 2004 | 2004 | 2004 |
| 4.12 | | Coupling height | h10 (mm) | 580 | 580 | 580 |
| 4.19 | | Overall length | l1 (mm) | 7066 | 6984 | 7216 |
| 4.20 | | Length to fork face | l2 (mm) | 5266 | 4584 | 4816 |
| 4.21 | | Overall width | b1/b2 (mm) | 2565/2300 | 2565/2300 | 2565/2300 |
| 4.22 | | Fork dimensions DIN ISO 2331 | s/e/l (mm) | 100/250/1800 | 100/200/2400 | 100/200/2400 |
| 4.23 | | Fork carriage ISO 2328, class/type A, B | | Hyd Fork Posn. | Hyd Fork Posn. | Hyd Fork Posn. |
| 4.24 | | Fork carriage width | b3 (mm) | 2545 | 2545 | 2545 |
| 4.25 | | Fork spread | b5 (mm) | 720/2290 | 620/2220 | 620/2220 |
| 4.31 | | Ground clearance, laden, below mast | m1 (mm) | 200 ⁴⁾ | 200 ⁴⁾ | 200 ⁴⁾ |
| 4.32 | | Ground clearance, centre of wheelbase | m2 (mm) | 376 | 376 | 376 |
| 4.33 | | Load dimension b12 × l6 | b12 × l6 (mm) | 2000 × 1800 | 2000 × 2400 | 2000 × 2400 |
| 4.34 | | Aisle width predetermined load dimensions | Ast (mm) | 7683 ³⁾ | 7586 ³⁾ | 7822 ³⁾ |
| 4.34.1 | | Aisle width for pallets 1000 × 1200 crossways | Ast (mm) | - | - | - |
| 4.34.2 | Aisle width for pallets 800 × 1200 lengthways | Ast (mm) | - | - | - | |
| 4.35 | Turning radius | Wa (mm) | 4754 | 4102 | 4338 | |
| 4.36 | Inside turning radius | b13 (mm) | 1448 | 1362 | 1405 | |
| Performance data | 5.1 | Travel speed, laden/unladen | km/h | 18/20 | 18/20 | 18/20 |
| | 5.2 | Lifting speed, laden/unladen | m/s | 0.39/0.39 | 0.39/0.39 | 0.39/0.39 |
| | 5.3 | Lowering speed, laden/unladen | m/s | 0.5/0.49 | 0.5/0.49 | 0.5/0.49 |
| | 5.5 | Drawbar pull, laden/unladen | N | 106000 | 106000 | 106000 |
| | 5.7 | Gradeability, laden/unladen | % | n.A. | n.A. | n.A. |
| | 5.9 | Acceleration time, laden/unladen | s | n.A. | n.A. | n.A. |
| Electric-engine | 6.1 | Drive motor rating S2 60 min | kW | 4 × 18 | 4 × 18 | 4 × 18 |
| | 6.2 | Lift motor rating at S3 15% | kW | 4 × 25 | 4 × 25 | 4 × 25 |
| | 6.3 | Battery according to DIN 43531/35/36 A, B, C, no | | 43 536 A | 43 536 A | 43 536 A |
| | 6.4 | Battery voltage/nominal capacity K 5 | (V)/(Ah) o. kWh | 2x 80/1240 | 2x 80/930 | 2x 80/1240 |
| | 6.4.a | Battery energy content | kWh | 2x 79.36 | 2x 59.52 | 2x 79.36 |
| | 6.5 | Battery weight (±5%) | kg | 2x 2785 | 2x 2178 | 2x 2785 |
| 6.6 | Energy consumption according to DIN EN 16796 | kWh/h | n.A. | n.A. | n.A. | |
| Additional data | 10.1 | Operating pressure for attachments | bar | 250 | 250 | 250 |
| | 10.2 | Oil flow for attachments | l/min | 5-130 | 5-130 | 5-130 |
| | 10.7 | Sound pressure level LpAZ (at the operator's seat) | dB(A) | 70 | 70 | 70 |
| | 10.8 | Towing coupling, design/type, DIN | | Ø 50 mm | Ø 50 mm | Ø 50 mm |
| | 11.2 | Static stability | | 1.4 | 1.54 | 1.41 |

1) Interlock at 5° forward tilt angle

2) With 150 mm free lift

3) Including a 200 mm (min.) operating aisle clearance

4) Ground clearance to chassis is 287 mm

TECHNICAL DATA (according to VDI 2198)

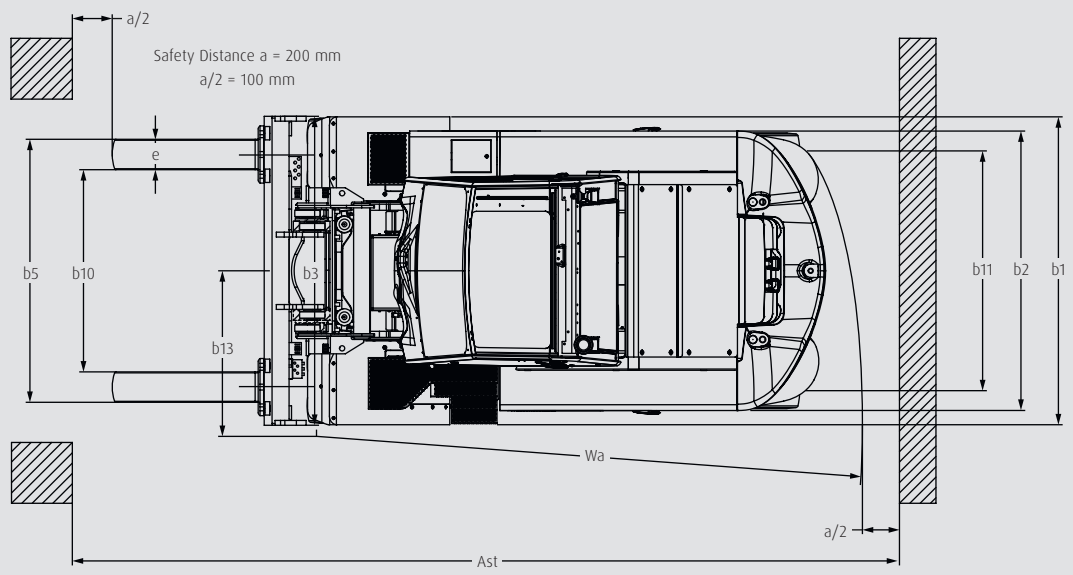
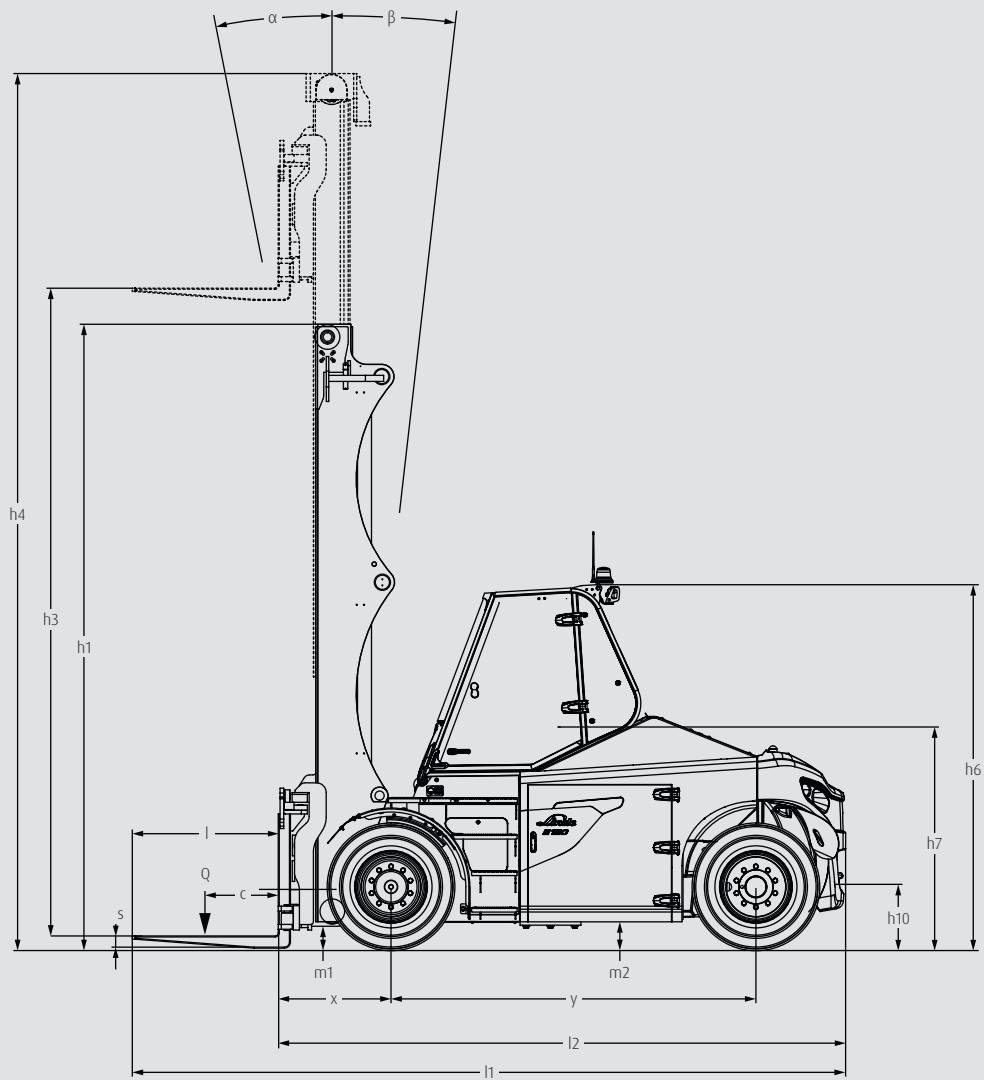
| | Linde MH | | | Linde MH | | |
|-------------------------|---|--|--|--------------------|-------------------------|-------------------------|
| | E140/1200 | E150/1200 | E160/1200 | E140/1200 | E150/1200 | E160/1200 |
| Characteristics | 1.1 | Manufacturer (abbreviation) | | Linde MH | Linde MH | Linde MH |
| | 1.2 | Manufacturer's type designation | | E140/1200 | E150/1200 | E160/1200 |
| | 1.2a | Series | | 1471 | 1471 | 1471 |
| | 1.3 | Drive | | Battery | Battery | Battery |
| | 1.4 | Operation | | Seat | Seat | Seat |
| | 1.5 | Rated capacity/rated load | Q (t) | 14.0 | 15.0 | 16.0 |
| | 1.6 | Load centre distance | c (mm) | 1200 | 1200 | 1200 |
| | 1.8 | Load distance, centre of drive axle to fork | x (mm) | 929 | 929 | 929 |
| | 1.9 | Wheelbase | y (mm) | 3250 | 3500 | 3500 |
| Weight | 2.1 | Service weight | kg | 26483 | 26877 | 27362 |
| | 2.2 | Axle loading, laden front/rear | kg | 37245/3238 | 38276/3601 | 39866/3496 |
| | 2.3 | Axle loading, unladen front/rear | kg | 14074/12409 | 14152/12725 | 14133/13229 |
| Tyres/chassis | 3.1 | Tyres: solid rubber, superelastic, pneumatic, polyurethane | | Pneumatic | Pneumatic | Pneumatic |
| | 3.2 | Tyre size, front | | 12.00 × 20/20 PR | 12.00 × 20/20 PR | 12.00 × 20/20 PR |
| | 3.3 | Tyre size, rear | | 12.00 × 20/20 PR | 12.00 × 20/20 PR | 12.00 × 20/20 PR |
| | 3.5 | Wheels, number front/rear (× = driven wheels) | | 4x/2 | 4x/2 | 4x/2 |
| | 3.6 | Tread, front | b10 (mm) | 1874 | 1874 | 1874 |
| | 3.7 | Tread, rear | b11 (mm) | 1970 | 1970 | 1970 |
| | Dimensions | 4.1 | Mast/fork carriage tilt, forward/backwards | α/β (°) | 15.0/10.0 ¹⁾ | 15.0/10.0 ¹⁾ |
| 4.2 | | Mast height, lowered | h1 (mm) | 3736 ²⁾ | 3736 ²⁾ | 3736 ²⁾ |
| 4.3 | | Free lift | h2 (mm) | 150 | 150 | 150 |
| 4.4 | | Lift | h3 (mm) | 4000 | 4000 | 4000 |
| 4.5 | | Mast height, extended | h4 (mm) | 5661 | 5661 | 5661 |
| 4.7 | | Height of overhead guard (cabin) | h6 (mm) | 3035 | 3035 | 3035 |
| 4.8 | | Seat height relating to SIP/stand height | h7 (mm) | 2004 | 2004 | 2004 |
| 4.12 | | Coupling height | h10 (mm) | 580 | 580 | 580 |
| 4.19 | | Overall length | l1 (mm) | 7416 | 7666 | 7666 |
| 4.20 | | Length to fork face | l2 (mm) | 5016 | 5266 | 5266 |
| 4.21 | | Overall width | b1/b2 (mm) | 2565/2300 | 2565/2300 | 2565/2300 |
| 4.22 | | Fork dimensions DIN ISO 2331 | s/e/l (mm) | 100/250/2400 | 100/250/2400 | 100/250/2400 |
| 4.23 | | Fork carriage ISO 2328, class/type A, B | | Hyd Fork Posn. | Hyd Fork Posn. | Hyd Fork Posn. |
| 4.24 | | Fork carriage width | b3 (mm) | 2545 | 2545 | 2545 |
| 4.25 | | Fork spread | b5 (mm) | 720/2290 | 720/2290 | 720/2290 |
| 4.31 | | Ground clearance, laden, below mast | m1 (mm) | 200 ⁴⁾ | 200 ⁴⁾ | 200 ⁴⁾ |
| 4.32 | | Ground clearance, centre of wheelbase | m2 (mm) | 376 | 376 | 376 |
| 4.33 | | Load dimension b12 × l6 | b12 × l6 (mm) | 2000 × 2400 | 2000 × 2400 | 2000 × 2400 |
| 4.34 | | Aisle width predetermined load dimensions | Ast (mm) | 8041 ³⁾ | 8283 ³⁾ | 8283 ³⁾ |
| 4.34.1 | | Aisle width for pallets 1000 × 1200 crossways | Ast (mm) | - | - | - |
| 4.34.2 | Aisle width for pallets 800 × 1200 lengthways | Ast (mm) | - | - | - | |
| 4.35 | Turning radius | Wa (mm) | 4512 | 4754 | 4754 | |
| 4.36 | Inside turning radius | b13 (mm) | 1405 | 1448 | 1448 | |
| Performance data | 5.1 | Travel speed, laden/unladen | km/h | 18/20 | 18/20 | 18/20 |
| | 5.2 | Lifting speed, laden/unladen | m/s | 0.39/0.39 | 0.39/0.39 | 0.39/0.39 |
| | 5.3 | Lowering speed, laden/unladen | m/s | 0.5/0.49 | 0.5/0.49 | 0.5/0.49 |
| | 5.5 | Drawbar pull, laden/unladen | N | 106000 | 106000 | 106000 |
| | 5.7 | Gradeability, laden/unladen | % | n.A. | n.A. | n.A. |
| | 5.9 | Acceleration time, laden/unladen | s | n.A. | n.A. | n.A. |
| Electric engine | 6.1 | Drive motor rating S2 60 min | kW | 4 × 18 | 4 × 18 | 4 × 18 |
| | 6.2 | Lift motor rating at S3 15% | kW | 4 × 25 | 4 × 25 | 4 × 25 |
| | 6.3 | Battery according to DIN 43531/35/36 A, B, C, no | | 43 536 A | 43 536 A | 43 536 A |
| | 6.4 | Battery voltage/nominal capacity K 5 | (V)/(Ah) o. kWh | 2x 80/1240 | 2x 80/1240 | 2x 80/1240 |
| | 6.4.a | Battery energy content | kWh | 2x 79.36 | 2x 79.36 | 2x 79.36 |
| | 6.5 | Battery weight (±5%) | kg | 2x 2785 | 2x 2785 | 2x 2785 |
| 6.6 | Energy consumption according to DIN EN 16796 | kWh/h | n.A. | n.A. | n.A. | |
| Additional data | 10.1 | Operating pressure for attachments | bar | 250 | 250 | 250 |
| | 10.2 | Oil flow for attachments | l/min | 5-130 | 5-130 | 5-130 |
| | 10.7 | Sound pressure level LpAZ (at the operator's seat) | dB(A) | 70 | 70 | 70 |
| | 10.8 | Towing coupling, design/type, DIN | | Ø 50 mm | Ø 50 mm | Ø 50 mm |
| | 11.2 | Static stability | | 1.35 | 1.39 | 1.36 |

1) Interlock at 5° forward tilt angle

2) With 150 mm free lift

3) Including a 200 mm (min.) operating aisle clearance

4) Ground clearance to chassis is 287 mm



MAST TABLES

STANDARD MAST (in mm)

| Series | 177 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------|-----------------------|-----------|---------|-----------------------|----------|----------|-----------------------|---------|------------|-----------------------|----------|-----------|-----------------------|------------|----------|-----------------------|-----------|---------|-----------------------|----------|----------|-----------------------|---------|------------|----------|----------|-----------|---------|------------|----------|----------|-----------|---------|------------|----------|
| Lift | h3: 3500 | | | h3: 4000 | | | h3: 4500 | | | h3: 5000 | | | h3: 5500 | | | h3: 6000 | | | h3: 6500 | | | | | | | | | | | | | | | | |
| Height measurements | h1: 3080 | h1#: 3155 | h2: 150 | h3+s: 3590 | h4: 4830 | h1: 3330 | h1#: 3155 | h2: 150 | h3+s: 4090 | h4: 5530 | h1: 3580 | h1#: 3655 | h2: 150 | h3+s: 4590 | h4: 5830 | h1: 3830 | h1#: 3905 | h2: 150 | h3+s: 5090 | h4: 6330 | h1: 4080 | h1#: 4155 | h2: 150 | h3+s: 5590 | h4: 6830 | h1: 4330 | h1#: 4405 | h2: 150 | h3+s: 6090 | h4: 7330 | h1: 4580 | h1#: 4655 | h2: 150 | h3+s: 6590 | h4: 7830 |
| Manufacturer's type designation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| E100/600 | <input type="radio"/> | | | <input type="radio"/> | | | <input type="radio"/> | | | <input type="radio"/> | | | <input type="radio"/> | | | <input type="radio"/> | | | <input type="radio"/> | | | <input type="radio"/> | | | | | | | | | | | | | |
| E120/600 | <input type="radio"/> | | | <input type="radio"/> | | | <input type="radio"/> | | | <input type="radio"/> | | | <input type="radio"/> | | | <input type="radio"/> | | | <input type="radio"/> | | | | | | | | | | | | | | | | |

| Series | 178 | | | | | | | | | | | | | | | | | | | |
|---------------------------------|-----------------------|-----------|-----------------------|------------|-----------------------|----------|-----------------------|---------|------------|----------|----------|-----------|---------|------------|----------|----------|-----------|---------|------------|----------|
| Lift | h3: 3500 | | h3: 4000 | | h3: 4500 | | h3: 5000 | | | | | | | | | | | | | |
| Height measurements | h1: 3410 | h1#: 3485 | h2: 150 | h3+s: 3600 | h4: 5160 | h1: 3660 | h1#: 3736 | h2: 150 | h3+s: 4100 | h4: 5661 | h1: 3910 | h1#: 3985 | h2: 150 | h3+s: 4600 | h4: 6160 | h1: 4160 | h1#: 4235 | h2: 150 | h3+s: 5100 | h4: 6600 |
| Manufacturer's type designation | | | | | | | | | | | | | | | | | | | | |
| E100/1200 | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | | | | | | | | | | | | | |
| E120/1200 | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | | | | | | | | | | | | | |
| E140/600 | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | | | | | | | | | | | | | |
| E150/600 | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | | | | | | | | | | | | | |
| E160/600 | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | | | | | | | | | | | | | |
| E180/600 | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | | | | | | | | | | | | | |

| Series | 178 | | | | | | | | | | | | | | | | | | | |
|---------------------------------|-----------------------|-----------|-----------------------|------------|-----------------------|----------|-----------------------|---------|------------|----------|----------|-----------|---------|------------|----------|----------|-----------|---------|------------|----------|
| Lift | h3: 5500 | | h3: 6000 | | h3: 6500 | | h3: 7000 | | | | | | | | | | | | | |
| Height measurements | h1: 4410 | h1#: 4485 | h2: 150 | h3+s: 5600 | h4: 7160 | h1: 4660 | h1#: 4735 | h2: 150 | h3+s: 6100 | h4: 7660 | h1: 4910 | h1#: 4985 | h2: 150 | h3+s: 6600 | h4: 8160 | h1: 5160 | h1#: 5235 | h2: 150 | h3+s: 7100 | h4: 8660 |
| Manufacturer's type designation | | | | | | | | | | | | | | | | | | | | |
| E100/1200 | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | | | | | | | | | | | | | |
| E120/1200 | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | | | | | | | | | | | | | |
| E140/600 | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | | | | | | | | | | | | | |
| E150/600 | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | | | | | | | | | | | | | |
| E160/600 | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | | | | | | | | | | | | | |
| E180/600 | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | | | | | | | | | | | | | |

| Series | 179 | | | | | | | | | | | | | | | | | | | |
|---------------------------------|-----------------------|-----------|-----------------------|------------|-----------------------|----------|-----------------------|---------|------------|----------|----------|-----------|---------|------------|----------|----------|-----------|---------|------------|----------|
| Lift | h3: 3500 | | h3: 4000 | | h3: 4500 | | h3: 5000 | | | | | | | | | | | | | |
| Height measurements | h1: 3410 | h1#: 3485 | h2: 150 | h3+s: 3600 | h4: 5160 | h1: 3660 | h1#: 3736 | h2: 150 | h3+s: 4100 | h4: 5661 | h1: 3910 | h1#: 3985 | h2: 150 | h3+s: 4600 | h4: 6160 | h1: 4160 | h1#: 4235 | h2: 150 | h3+s: 5100 | h4: 6600 |
| Manufacturer's type designation | | | | | | | | | | | | | | | | | | | | |
| E140/1200 | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | | | | | | | | | | | | | |
| E150/1200 | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | | | | | | | | | | | | | |
| E160/1200 | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | | | | | | | | | | | | | |
| E180/900 | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | | | | | | | | | | | | | |

| Series | 179 | | | | | | | | | | | | | | | | | | | |
|---------------------------------|-----------------------|-----------|-----------------------|------------|-----------------------|----------|-----------------------|---------|------------|----------|----------|-----------|---------|------------|----------|----------|-----------|---------|------------|----------|
| Lift | h3: 5500 | | h3: 6000 | | h3: 6500 | | h3: 7000 | | | | | | | | | | | | | |
| Height measurements | h1: 4410 | h1#: 4485 | h2: 150 | h3+s: 5600 | h4: 7160 | h1: 4660 | h1#: 4735 | h2: 150 | h3+s: 6100 | h4: 7660 | h1: 4910 | h1#: 4985 | h2: 150 | h3+s: 6600 | h4: 8160 | h1: 5160 | h1#: 5235 | h2: 150 | h3+s: 7100 | h4: 8660 |
| Manufacturer's type designation | | | | | | | | | | | | | | | | | | | | |
| E140/1200 | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | | | | | | | | | | | | | |
| E150/1200 | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | | | | | | | | | | | | | |
| E160/1200 | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | | | | | | | | | | | | | |
| E180/900 | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | | | | | | | | | | | | | |

○ Optional equipment

h1: Height of mast, lowered
h3: Lift

h1#: Height of mast with free lift
h3 + s: Lift height

h2: Free lift
h4: Height of mast, extended

STANDARD AND OPTIONAL EQUIPMENT

| Manufacturer's type designation/equipment | | E100 - E180 |
|---|---|-------------|
| Safety | Audible reverse alarm (85 dB) | ● |
| | "Operator absent" switch | ● |
| | Truck speed limiting (switch inside cabin) | ○ |
| | Overhead guard add-ons for front screen, top and rear window | ○ |
| | Forward and reverse camera systems | ○ |
| | BlueSpot, TruckSpot, LED-warning lines | ○ |
| Digitalisation | Linde connect:ac access control - via PIN | ○ |
| | Linde connect:ac access control - via RFID | ○ |
| Operation/load handling | Twin pedal control | ○ |
| | Single pedal control with direction selection switch in armrest | ○ |
| | Linde Load Control for all lift mast functions | ● |
| | Linde Load Weight Indicator (±1000 kg) | ● |
| | Linde Load Weight Indicator (±100 kg) | ○ |
| | Electrically powered, forward tilting cabin | ● |
| Environment | Underbody protection | ● |
| | Rear wheel screw protection | ○ |
| | Steel mudguards | ○ |
| Workplace | Open cabin with armoured glass roof | ● |
| | Deluxe-cabin, with tinted glass, heated rear screen and armoured glass roof | ○ |
| | Sun blinds for front and top screen | ○ |
| | Colour touch screen display (7") | ● |
| | Adjustable operator's seat with integrated suspension system | ● |
| | Comfort operator's seat with pneumatic suspension and active climate control | ○ |
| | Rotating operator's seat (10° or 17° to the right) | ○ |
| | Adjustable steering column | ● |
| | Orange lap type seat belt | ● |
| | External rear-view mirrors | ● |
| | Internal rear-view mirror | ● |
| | Heater/Climate control | ○ |
| | DAB-radio with MP3, USB, bluetooth and speakerphone | ○ |
| | USB charging port | ● |
| | 12V socket | ● |
| | Storage space for documents, beverage cans, etc. | ● |
| | Armrest with storage box | ● |
| Document holder | ○ | |
| Cup holder | ○ | |
| Mast | Standard mast, 2430 - 9500 mm lift height | ○ |
| | Duplex full free lift mast, 2580 - 7000 mm lift height | ○ |
| | Triplex full free lift mast, 5500 - 8100 mm lift height | ○ |
| | Hydraulic accumulator | ○ |
| Attachment/forks | Fork carriages: non-hydraulic, hydraulic, multifunction - width b3 = 2545 mm | ○ |
| | Fork carriage widths: 3000 mm, 3500 mm, 4000 mm, 4500 mm | ○ |
| | Forks: integrated, hook-on, fully tapered - length = 1150 - 2400 mm | ○ |
| | Alternative attachments: hydraulically leveling carriage, coil booms, special forks | ○ |
| Axles and tyres | Trelleborg or similar premium pneumatic tyres | ● |
| | SE tyres | ○ |
| | SE non-marking tyres | ○ |
| | Bonfiglioli electric drive axle | ● |
| Lighting | LED working lights | ○ |
| | Full road lighting | ○ |
| | External step lighting | ○ |
| | Safety lighting for on/off access steps | ○ |

● Standard equipment

○ Optional equipment

CHARACTERISTICS



Best in class all-round visibility

Safety

- Excellent all-round visibility guarantees maximum safety in operation
- Armoured glass roof ensures unobstructed visibility and safety when stacking loads
- Audible reverse alarm warns co-workers of truck operation
- Optional equipment e.g. cameras, BlueSpots and LED warning lines increase safety around the truck



Spacious and comfortable driver's work station

Ergonomics

- Ergonomic workplace enhances operator comfort and reduce fatigue
- Precise operation of electric drive train guarantees efficient, stress-free working
- Linde Load Control ensures low effort and high handling accuracy
- Healthy, comfortable workplace due to low noise and zero-emissions



Linde Double Pedal for precise and efficient handling

Handling

- Intuitive and predictable operating behaviour aids productivity
- Precise and direct steering
- Responsive and precise hydraulic performance ensures accurate operation
- Dynamic acceleration supports outstanding handling comfort



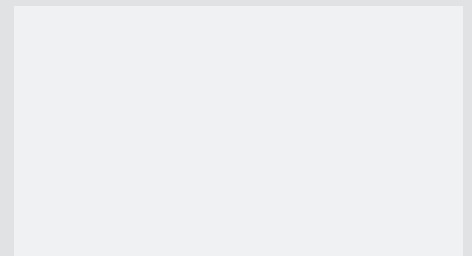
Service access through tiltable cabin

Service

- Electric cabin tilt function facilitates access to all central components
- Well-proven Linde standard components simplifies repairs
- Quick, easy battery change reduces downtime
- Simple, fast changeover from lead-acid to lithium-ion in truck software

Presented by:

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



Linde Material Handling

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