



Reach Truck

R14 - R20 G

Capacity 1.4 - 2.0 t | Series 1120

Multi-talent with outstanding operating comfort

- Ideal solution for changing environments during hall and yard loading and unloading processes
- Optimum driving comfort through oversize super-elastic wheels, suspended drive unit, higher ground clearance and resiliently mounted cabin
- Efficient load handling in narrow shelf aisles thanks to powerful motors and extensive safety features
- Built-in safety with monitoring system that stops the truck upon traction, steering or lift failure

STANDARD AND OPTIONAL EQUIPMENT



| Model/Equipment | | R14 - R20 G |
|-------------------------|---|-------------|
| Safety | Linde Curve Assist | ● |
| | Electrical and hydraulic overload protection | ● |
| | Seat-actuated traction interlock | ● |
| | Battery lock with creep speed interlock | ● |
| | Protective polycarbonate screen between console and mast | ● |
| | Lift height related travel speed reduction | ● |
| | Automatic slowdown at end of reach travel and at maximum lift | ● |
| Service | Sealed, maintenance-free AC 6.5 kW drive and 14 kW lift motors | ● |
| Digitalization | Comprehensive digital instrument display | ● |
| | Connect Linde Fleet Management | ○ |
| | Radio data terminal bracket | ○ |
| Operation/Load Handling | Linde Digital Control System (LDC) | ● |
| | Linde rheological 180° electric steering with tactile feedback | ● |
| | Single axis joysticks | ○ |
| | Multifunction Lever | ○ |
| | Lift height indicator above free lift zone | ● |
| | Lift height pre-selector | ○ |
| Environment | Fan underneath overhead guard | ○ |
| | Height adjustable armrest | ○ |
| | Modular ambient cabin versions | ○ |
| Electronics | Electric horn and emergency isolator | ● |
| | 12 V USB + auxiliary power socket | ○ |
| | Linde batteries and charger | ○ |
| | Linde Li-ION truck version and Li-ION batteries | ○ |
| Workplace | Fully adjustable air suspension seat | ● |
| | Linde twin accelerator pedals | ● |
| | Resiliently mounted operator's compartment | ● |
| | Integral, adjustable control console | ● |
| | Single accelerator pedal | ○ |
| | Heated seat | ○ |
| | High vision armored glass roof | ○ |
| | Wind protection door | ○ |
| Mast | Torsion-resistant fixed clear view triplex mast | ○ |
| | Integral side shift | ○ |
| Attachment/Forks | Side shift centering | ○ |
| | Additional hydraulic circuit for attachments | ○ |
| Axles and Tyres | Super-elastic load wheel tires and durable rubber drive tyres | ● |
| | Standard load wheel SE non marking | ○ |
| | Cushion rubber drive wheel non marking | ○ |
| | Metal or indoor bump stops polyurethane | ○ |
| Drive and Brake-System | Four independent braking systems. Regenerative and counter current braking, holding brake control with automatic parking brake and all-wheel brake system | ● |
| Lighting | LED working lights at over head guard | ○ |
| | Rotating/flashing beacon | ○ |
| | Blue Spot™ / TruckSpot safety light | ○ |
| | Red Warning Lines | ○ |

● Standard equipment ○ Optional equipment

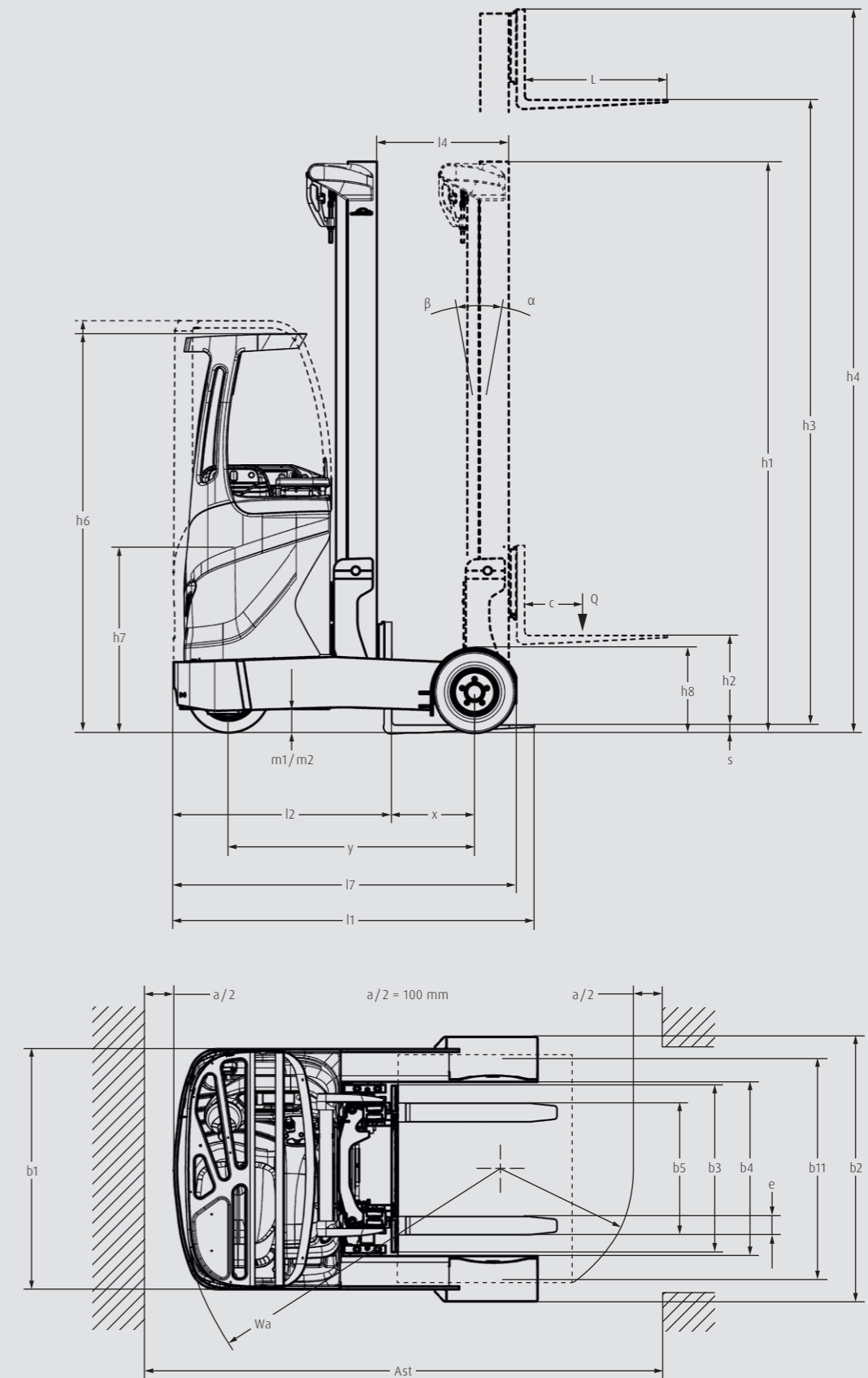
TECHNICAL DATA (According to VDI 2198)

| Characteristics | 1.1 | Manufacturer | Linde | Linde | Linde | |
|-----------------|--|--|--------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| | 1.2 | Model | R14 G | R16 G | R20 G | |
| | 1.2.a | Series | 1120-00 | 1120-00 | 1120-00 | |
| | 1.3 | Power Unit | Battery | Battery | Battery | |
| | 1.4 | Operation | Seat | Seat | Seat | |
| | 1.5 | Load capacity/Load | Q (t) | 1.4 | 1.6 | 2.0 |
| | 1.6 | Load centre distance | c (mm) | 600/500 | 600/500 | 600/500 |
| | 1.8 | Axle centre to fork face | x (mm) | 360 | 360 | 510 |
| | 1.9 | Wheelbase | y (mm) | 1380 | 1380 | 1530 |
| Weights | 2.1 | Service weight | (kg) | 3410 ¹⁾ | 3470 ¹⁾ | 3650 ¹⁾ |
| | 2.3 | Axle load with load, front/rear | (kg) | 2160/1250 | 2190/1280 | 2390/1260 |
| | 2.4 | Axle load without load, front/rear | (kg) | 645/4165 | 610/4460 | 560/5090 |
| | 2.4 | Axle load, fork retracted, with load, front/rear | (kg) | 1916/2894 | 1911/3159 | 2272/3378 |
| Wheels/Tyres | 3.1 | Tyres rubber, SE, pneumatic, polyurethane | SE | SE | SE | |
| | 3.2 | Tyre size, front | | 18 × 8 × 12 1/8 | 18 × 8 × 12 1/8 | 18 × 8 × 12 1/8 |
| | 3.3 | Tyre size, rear | | 180/60 - 10 | 180/60 - 10 | 200/50 - 10 |
| | 3.5 | Wheels, number front/rear (x = driven) | | 1x/2 | 1x/2 | 1x/2 |
| | 3.7 | Track width, rear | b11 (mm) | 1210 | 1210 | 1250 |
| Dimensions | 4.1 | Mast/fork carriage tilt, forward/backward | a/b (°) | 2.0/4.0 | 2.0/4.0 | 2.0/4.0 |
| | 4.2 | Height of mast, lowered | h1 (mm) | 2302 | 2602 | 3002 |
| | 4.3 | Free lift | h2 (mm) | 1557 | 1857 | 2257 |
| | 4.4 | Lift | h3 (mm) | 4910 | 5710 | 6960 |
| | 4.5 | Height of mast, extended | h4 (mm) | 5651 ²⁾ | 6451 ²⁾ | 7701 ²⁾ |
| | 4.7 | Height of overhead guard (cabin) | h6 (mm) | 2236 ³⁾ | 2236 ³⁾ | 2236 ³⁾ |
| | 4.8 | Seat height relating to SIP/stand height | h7 (mm) | 1036 - 1168 | 1036 - 1168 | 1036 - 1168 |
| | 4.10 | Height of reach legs | h8 (mm) | 473 | 473 | 473 |
| | 4.19 | Overall length | l1 (mm) | 2478 ¹⁾⁴⁾ | 2478 ¹⁾⁴⁾ | 2478 ¹⁾⁴⁾ |
| | 4.20 | Length to fork face | l2 (mm) | 1328 4) | 1328 4) | 1328 4) |
| | 4.21 | Overall width | b1/b2 (mm) | 1270/1398 | 1270/1398 | 1270/1458 |
| | 4.22 | Fork dimensions DIN ISO 2331 | s/e/l (mm) | 45 × 100 × 1150 | 45 × 100 × 1150 | 45 × 100 × 1150 |
| | 4.23 | Fork carriage to ISO 2328, class/type A, B | | 2B | 2B | 2B |
| | 4.24 | Width of fork carriage | b3 (mm) | 790 | 790 | 790 |
| | 4.25 | Fork spread | b5 (mm) | 296/829 | 296/829 | 296/829 |
| | 4.26 | Distance between wheel arms/loading surfaces | b4 (mm) | 920 | 920 | 920 |
| | 4.28 | Reach travel | l4 (mm) | 634 | 634 | 779 |
| | 4.31 | Ground clearance, below mast | m1 (mm) | 168 | 168 | 168 |
| | 4.32 | Ground clearance, centre of wheelbase | m2 (mm) | 132 | 132 | 132 |
| 4.34.1 | Aisle width for pallets 1000 × 1200 crossways | Ast (mm) | 2768 ¹⁾⁴⁾⁵⁾⁶⁾ | 2768 ¹⁾⁴⁾⁵⁾⁶⁾ | 2813 ¹⁾⁴⁾⁵⁾⁶⁾ | |
| 4.34.2 | Aisle width with pallet 800 × 1200 along forks | Ast (mm) | 2821 ¹⁾⁴⁾⁵⁾⁶⁾ | 2821 ¹⁾⁴⁾⁵⁾⁶⁾ | 2836 ¹⁾⁴⁾⁵⁾⁶⁾ | |
| 4.35 | Turning radius | Wa (mm) | 1690 ⁷⁾ | 1690 ⁷⁾ | 1838 ⁷⁾ | |
| 4.37 | Length of chassis | l7 (mm) | 1920 | 1920 | 2070 | |
| Performance | 5.1 | Travel speed, with/without load | (km/h) | 14/14 ⁸⁾⁹⁾ | 14/14 ⁸⁾⁹⁾ | 14/14 ⁸⁾⁹⁾ |
| | 5.2 | Lifting speed, with/without load | (m/s) | 0.51/0.58 | 0.49/0.58 | 0.44/0.58 |
| | 5.3 | Lowering speed, with/without load | (m/s) | 0.6/0.6 | 0.6/0.6 | 0.6/0.6 |
| | 5.4 | Reach speed, with/without load | (m/s) | 0.2 | 0.2 | 0.2 |
| | 5.8 | Maximum climbing ability, with/without load | (%) | 10.0/10.0 | 10.0/10.0 | 10.0/10.0 |
| | 5.10 | Service brake | | hydr./mech. | hydr./mech. | hydr./mech. |
| Drive | 6.1 | Drive motor rating S2 60 min | (kW) | 6.5 | 6.5 | 6.5 |
| | 6.2 | Lift motor rating at S3 15 % | (kW) | 14 | 14 | 14 |
| | 6.3 | Battery according to DIN 43531/35/36 A, B, C, no | | 43 531 C/[Li-ION] | 43 531 C/[Li-ION] | 43 531 C/[Li-ION] |
| | 6.4 | Battery voltage/rated capacity (5 h) | (V)/(Ah) o. (kWh) | 48/560/620 [48/804] ¹⁰⁾ | 48/560/620 [48/804] ¹⁰⁾ | 48/560/620 [48/804] ¹⁰⁾ |
| | 6.4.a | Battery energy content | (kWh) | [39.2] ¹⁰⁾ | [39.2] ¹⁰⁾ | [39.2] ¹⁰⁾ |
| | 6.5 | Battery weight (± 5 %) | (kg) | 939 | 939 | 939 |
| | 6.6 | Power consumption according to VDI cycle | (kWh/h) | 4.1 | 4.3 | 5.3 |
| | 6.7 | Turnover output according to VDI 2198 | (t/h) | 55.0 | 63.0 | 77.0 |
| 6.8 | Turnover efficiency according to VDI 2198 | (t/kWh) | 15 | 16 | 16 | |

1) Alternative batteries may alter l1, Ast and service weight.
2) With integrated side shifter (with ± 80 mm side stroke)
3) With ambient cabin + 95 mm
4) With cabin + 80 mm

5) Including a 200 mm (min.) operating aisle clearance.
6) Some truck specification require a reach-back restriction.
Please note information in Linde World mast table.
7) Attention, with cabin increased turning radius (Wa) due to required fender.

8) forward; backward
9) Depending on performance setting
10) Figures in [] with Li-ION battery see line 6.4





MAST TABLES

STANDARD MAST (in mm)

| Series | 1500 | | | | | | | | | |
|---------------------|-----------------------|----------|-----------------------|----------|-----------------------|----------|-----------------------|----------|-----------------------|----------|
| Lift | h3: 4910 | | h3: 5210 | | h3: 5710 | | h3: 6360 | | h3: 6510 | |
| Height measurements | h1: 2294 | h2: 1557 | h1: 2394 | h2: 1657 | h1: 2594 | h2: 1857 | h1: 2844 | h2: 2107 | h1: 2894 | h2: 2157 |
| | h3: 4910 | h4: 5652 | h3: 5210 | h4: 5952 | h3: 5710 | h4: 6452 | h3: 6360 | h4: 7102 | h3: 6510 | h4: 7252 |
| Model | | | | | | | | | | |
| R14 G-R20 G | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | |

| Series | 1500 | | | | | | | | | |
|---------------------|-----------------------|----------|-----------------------|----------|-----------------------|----------|-----------------------|----------|-----------------------|----------|
| Lift | h3: 6660 | | h3: 6810 | | h3: 7260 | | h3: 7410 | | h3: 7710 | |
| Height measurements | h1: 2944 | h2: 2207 | h1: 2994 | h2: 2257 | h1: 3144 | h2: 2407 | h1: 3194 | h2: 2457 | h1: 3294 | h2: 2557 |
| | h3: 6660 | h4: 7402 | h3: 6810 | h4: 7552 | h3: 7260 | h4: 8002 | h3: 7410 | h4: 8152 | h3: 7710 | h4: 8452 |
| Model | | | | | | | | | | |
| R14 G-R20 G | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | |

Optional equipment

h1: Height of mast, lowered

h2: Free lift

h3: Lift

h4: Height of mast, extended



CHARACTERISTICS



Ergonomics as standard

Ergonomics

- Maximum operating comfort due to Multifunction Lever and padded armrests with the preciseness of Linde Load Control
- Weight-dependent air cushioning and individually adjustable driver's seat made for extremely comfortable operation
- Low entry vibration-free cabin isolated from chassis prevents fatigue
- Efficient work through padded armrests with integrated Multifunction Lever
- Intuitive, individually adaptable operation of all consoles
- Unique Linde drive unit suspension to absorb vibrations and road shocks



Multifunction Lever

Handling

- Perfect for the varying requirements of combined indoor and outdoor applications
- Exceptionally comfortable handling due to oversized load wheels and greater ground clearance
- Precise operation through individually adjustable steering resistance and Linde Load Control
- Short wheelbase, compact dimensions and 180° steering offer unrivalled maneuverability



Excellent visibility

Safety

- Assisted load handling through lifting height display and optional load weight capture
- Four braking systems including self-adjusting load wheel brakes ensure rapid stop in hazardous situations
- Protection of the operator for instance in narrow aisles thanks to shoulder-protection frame
- Auto-speed adjustment in bends due to Linde Curve Assist



Easily accessible service points

Service

- Maintenance-free motors and uptime ratios of 1000 hours between services ensure high reliability and low costs
- Easy access to all service components
- Laptop overview of truck data and individual adjustment of performance parameters to suit customer requirements
- Pneumatic sprung driver's seat provides quick access to electronic and mechanical components

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.

Linde Material Handling

Linde

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