



STAND-UP ELECTRIC COUNTERBALANCED TRUCKS

CAPACITY: 3,500 – 4,000 lbs.

E18S / E20S

SERIES 1346

Safety

The low-profile front cover and nested mast rails increase visibility of the front chassis corners and drive tire positioning. The automatic parking brake, Linde Curve Control and tilt assistance provide added safety for the operator and others around the truck.

Performance

The Series 1346 combines efficiency and high-performance with its high ratio gear box, AC drive motor and AC pump motor. The electronically controlled drive and hydraulic functions optimize performance and feature three operational modes: Performance, Productivity and Efficiency.

Comfort

The operator compartment offers excellent comfort and superior ergonomics. With features like a low-height operator platform, adjustable armrest, telescopic steering column and cushioned driver interface surfaces, the Series 1346 increases productivity through operator comfort.

Reliability/Durability

To ensure reliable performance, the Series 1346 endured extensive driveline testing. It is fitted with dual AC drive units, a powerful AC pump motor and a steel wrap-around bumper for improved protection against impacts.

Productivity

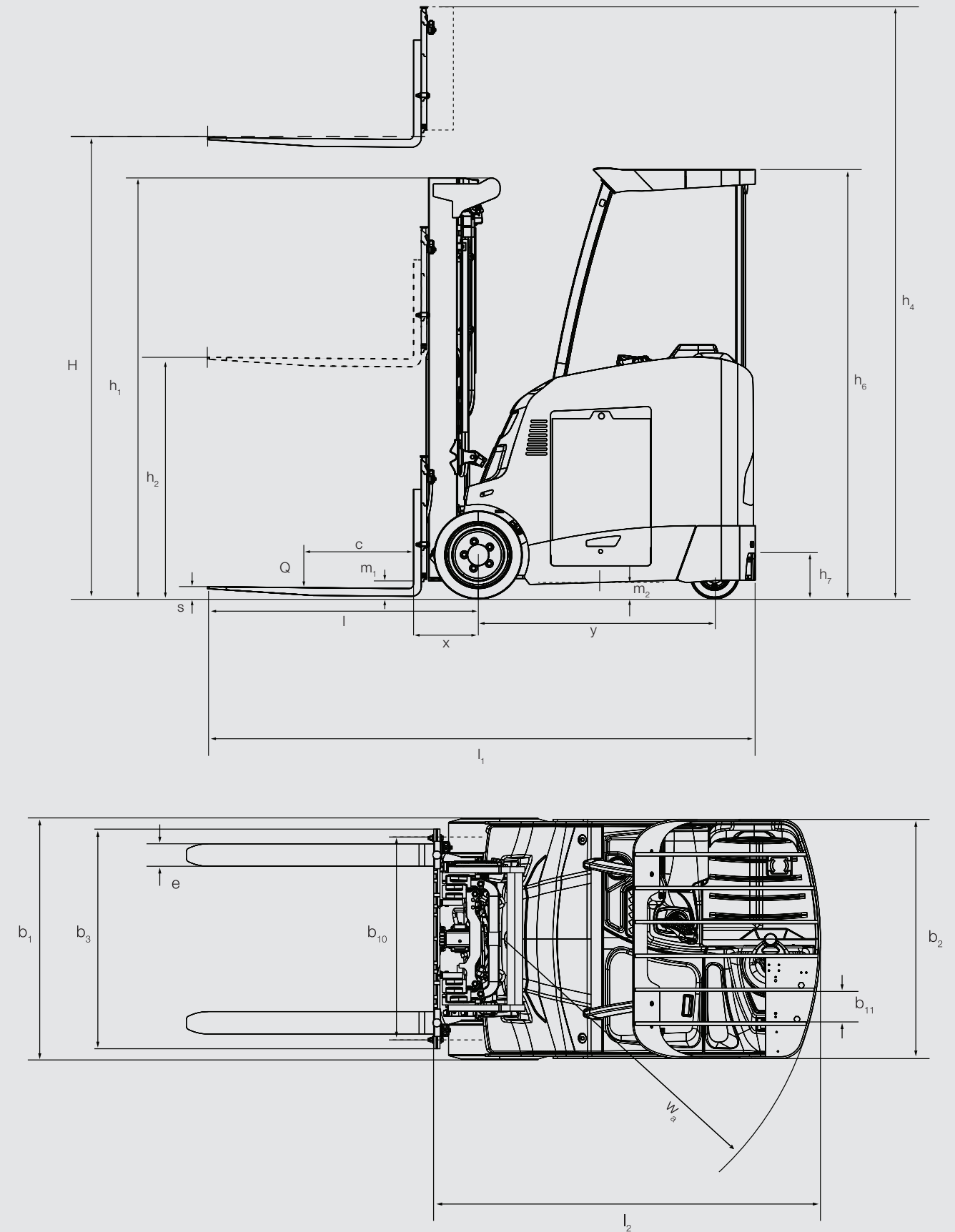
The Series 1346 was designed to provide the operator with all of the tools necessary to maximize uptime. The operator is able to spend more time in the field due to the interactive display unit with onboard diagnostics, flexible storage for tools and personal items, and easy access to major components.

TECHNICAL DATA

November 2017 / Series 1346

| | | | | | LINDE | | | | | | |
|-----------------|--|---|----------------------------------|-----|--------------------|--------------|--------------------|--------------|-----------------|-------------|------|
| | | | | | E18S | | E20S | | | | |
| Characteristics | 1.1 | Manufacturer | | | LINDE | | | | | | |
| | 1.2 | Model designation | | | E18S | | E20S | | | | |
| | 1.3 | Power unit | | | Battery | | Battery | | | | |
| | 1.4 | Operation | | | Standing | | Standing | | | | |
| | 1.5 | Load capacity | Q | lbs | kg | 3500 | 1588 | 4000 | 1815 | | |
| Weights | 1.6 | Load center | c | in | mm | 24 | 600 | 24 | 600 | | |
| | 1.8 | Axle center to fork face | x | in | mm | 13.2 | 335 | 13.2 | 335 | | |
| | 1.9 | Wheelbase | y | in | mm | 46.2 | 1174 | 48.2 | 1225 | | |
| Wheels/Tires | 2.1 | Service weight (+/- 5.0%) | | | lbs | kg | 8695 | 3945 | 9687 | 4395 | |
| | 2.2 | Axle load, with load, front/rear | | | lbs | kg | 10976/1477 | 4980/670 | 12188/1400 | 5530/635 | |
| | 2.3 | Axle load, without load, front/rear | | | lbs | kg | 4518/4408 | 2050/2000 | 5113/4573 | 2320/2075 | |
| | 3.1 | Tire type, front / rear | | | Cushion/cushion | | Cushion/cushion | | | | |
| | 3.2 | Tire size, front | | | 18" x 7" x 12 1/8" | | 18" x 7" x 12 1/8" | | | | |
| | 3.3 | Tire size, rear | | | 10" x 5" x 6 1/2" | | 10" x 5" x 6 1/2" | | | | |
| | 3.5 | Wheels, number front / rear (X=driven) | | | 2x/2 | | 2x/2 | | | | |
| Dimensions | 3.6 | Track width, front | b ₁₀ | in | mm | 35.5 | 902 | 35.5 | 902 | | |
| | 3.7 | Track width, rear | b ₁₁ | in | mm | 6.7 | 170 | 6.7 | 170 | | |
| | 4.1 | Mast tilt, forward/backward | | | 7° / 5° | | 7° / 5° | | | | |
| | 4.2 | Height of mast, lowered* | h ₁ | in | mm | 88 | 2225 | 88 | 2225 | | |
| | 4.3 | Free lift* | h ₂ | in | mm | 63 | 1618 | 63 | 1618 | | |
| | 4.4 | Lift height* | H | in | mm | 195 | 4960 | 195 | 4960 | | |
| | 4.7 | Height of overhead guard | h ₆ | in | mm | 88 | 2235 | 88 | 2235 | | |
| | 4.8 | Height of operating platform | h ₇ | in | mm | 8 | 200 | 8 | 200 | | |
| | 4.19 | Overall length | l ₁ | in | mm | 110 | 2792 | 112 | 2842 | | |
| | 4.2 | Length to fork face | l ₂ | in | mm | 68 | 1725 | 70 | 1775 | | |
| | 4.21 | Overall width | b ₁ /b ₂ | in | mm | 42.5 | 1080 | 42.5 | 1080 | | |
| | 4.22 | Fork dimensions | s/e/l | in | mm | 1.5 x 4 x 42 | 40 x 100 x 1067 | 1.5 x 4 x 42 | 40 x 100 x 1067 | | |
| | 4.23 | Fork carriage to ISO 2328, Class/Form A, B | | | 2A | | 2A | | | | |
| | 4.24 | Width of fork carriage | b ₃ | in | mm | 38.6 | 980 | 38.6 | 980 | | |
| | 4.31 | Ground clearance with load, mast | m ₁ | in | mm | 3.1 | 78 | 3.1 | 78 | | |
| | 4.32 | Ground clearance with load, center of wheelbase | m ₂ | in | mm | 3.9 | 98 | 3.9 | 98 | | |
| | 4.33 | Load dimension b ₁₂ x l ₆ crossways | b ₁₂ x l ₆ | in | mm | 48 x 40 | 1219 x 1016 | 48 x 40 | 1219 x 1016 | | |
| | 4.34 | Aisle width predetermined load dimensions | | | Ast | in | mm | 121 | 3082 | 123 | 3127 |
| | 4.34.1 | Aisle width for pallets 1000 x 1200 crossways | | | Ast | in | mm | 127 | 3214 | 128 | 3259 |
| 4.34.2 | Aisle width for pallets 800 x 1200 crossways | | | Ast | in | mm | 125 | 3186 | 127 | 3231 | |
| 4.35 | Turning radius | Wa | in | mm | 55 | 1400 | 57 | 1445 | | | |
| Performance | 5.1 | Travel speed, with/without load | | | mph | kph | 7 / 7.5 | 11.2 / 12.0 | 7 / 7.5 | 11.2 / 12.0 | |
| | 5.2 | Lifting speed, with/without load | | | ft/min | m/s | 65 / 107 | 0.33 / 0.54 | 61 / 107 | 0.31 / 0.54 | |
| | 5.3 | Lowering speed, with/without load | | | ft/min | m/s | 95 / 85 | 0.48 / 0.43 | 95 / 85 | 0.48 / 0.43 | |
| | 5.7 | Gradeability, with/without load | | | % | % | 17/20 | 17/20 | | | |
| | 5.9 | Acceleration time with/without load | | | s | | 7.5 | 7.5 | | | |
| | 5.10 | Service brakes | | | Electrical | | Electrical | | | | |
| Drive | 6.1 | Drive motor rating (60 minute rating) | | | kW | | 4.1 x 2 | | | | |
| | 6.2 | Lift motor, 15% rating | | | kW | | 9 | | | | |
| | 6.4 | Battery voltage / rated capacity | | | V/Ah | | 36 / 875 | | | | |
| | 6.5 | Battery weight (nominal) | | | lbs | kg | 2486 | 1128 | 2834 | 1286 | |
| | Add'l | 10.1 | Working pressure of attachments | | | psi | bar | 2175 | 150 | 2175 | 150 |
| 10.2 | | Oil flow for attachments | | | gpm | l/min | 8.5 | 32 | 8.5 | 32 | |
| 10.7 | | Mean noise level at driver's ear | | | dB(A) | | 68 | | | | |

* 88" / 195" Triplex Mast



FEATURES

Uptime

- > Tie-downs compatible with transport hooks
- > Battery rollers
- > Easy-access layout
- > Low operating platform
- > Tool-free access panels
- > Diagnostic display unit



Durability

- > Steel wrap-around bumper
- > Duty-cycle testing
- > Stability testing
- > Drive unit bench testing
- > High-impact axle testing

Safety

- > UL Type EE available
- > Advanced tilt control
- > High-visibility mast
- > Low-profile front cover
- > Automatic parking brake

Operator Compartment

- > 90° operating position
- > 8 in. platform height
- > Floorplate suspension system for vibration isolation
- > Largest operator compartment
- > Quiet operation



For more information on Linde material handling equipment, please contact:

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ANSI: Standard truck meets all applicable mandatory requirements of ANSITSDF B56.1 standards for powered industrial trucks.
NOTE: Performance data may vary due to motor and system efficiency tolerances. The performance depicted represents nominal values obtained under typical operating conditions. Metric dimensions are in millimeters unless otherwise specified. All metric dimensions are not direct equivalents due to rounding data. The descriptions and specifications included on this data sheet were in effect at the time of printing. KION North America Corporation reserves the right to make improvements and changes in specification or design without notice and without incurring obligation. Please check with your authorized Linde dealer for information on possible updates or revisions.

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