



## Electric Counterbalance Trucks

5000 lb. to 7000 lb. Capacity

E25S, E25SH, E30S, E30SH, E35SH

SERIES 1276

### Safety

Excellent visibility through the mast is a key element of forklift safety. It is accomplished with narrow, yet deep mast rails; maintaining strength and capacity without unnecessarily obstructing the view.

### Performance

Powerful dual-drive motors allow fast travel speeds, but even more important, fast acceleration. This unique drive motor arrangement lets the trucks negotiate railroad crossings, curbs, ramps and other obstacles with ease.

### Operator Comfort

Consistent, high level of performance and efficiency, especially for extended periods of time, are only possible when the operator feels comfortable with the machine. The ergonomic layout of all controls, adjustability of armrest and seat, combined with low noise levels, provide the best possible operating environment.

### Reliability

Reliability and durability are Linde design objectives. All components and assemblies are tested to meet rigorous longevity standards. During truck operation, dual electronic circuits monitor all systems to ensure flawless performance. This quality is demonstrated in 1000 hours of periodic maintenance intervals.

### Productivity

Effective and efficient, the unique Linde energy management system ensures optimal performance and unmatched energy utilization. Uptime is achieved through the use of highly reliable components, a superb level of comfort for the driver and robust truck design features.

Linde Material Handling

*Linde*

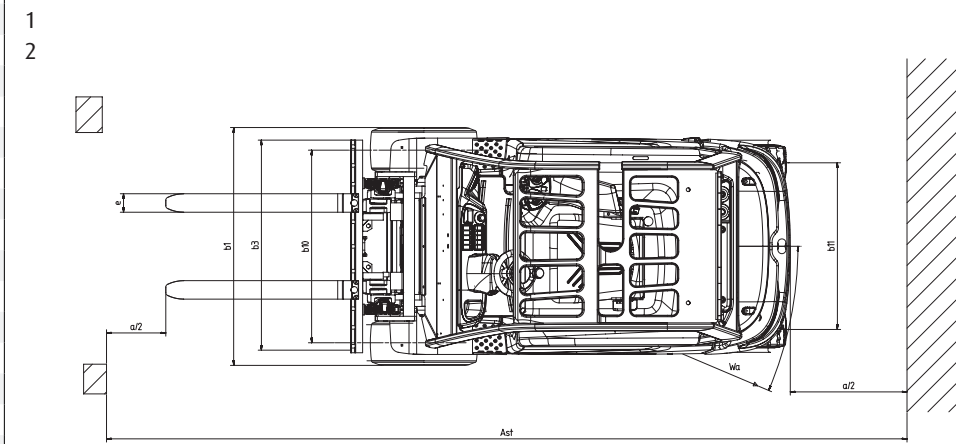
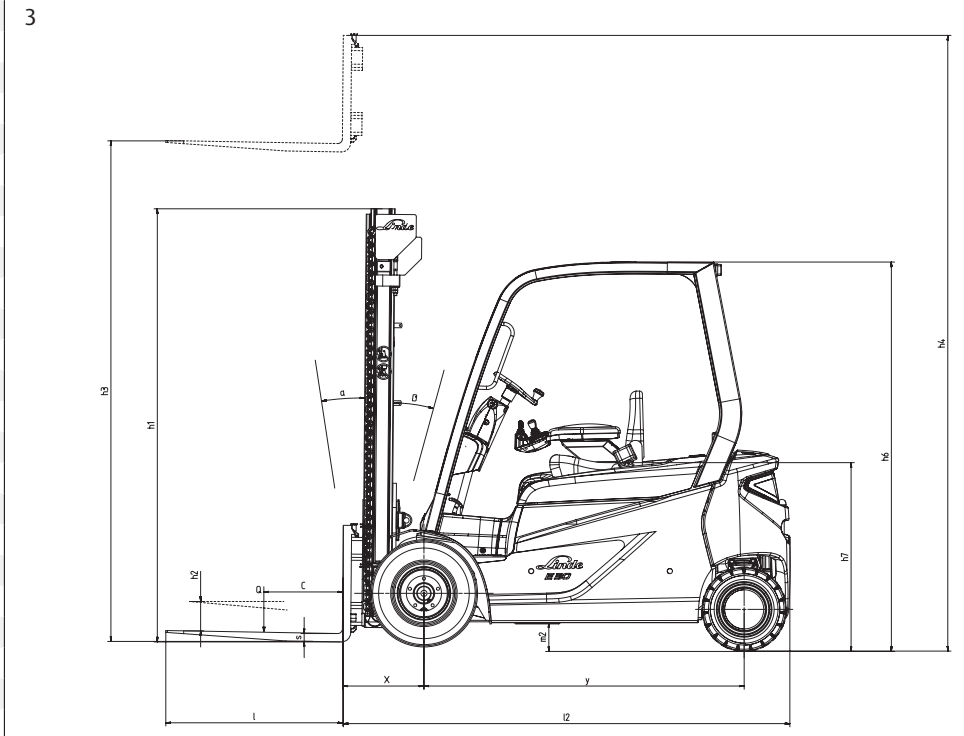
# Technical Data

April 2016

## SERIES 1276

## SERIES 1276 (E25S, E25SH, E30S, E30SH, E35SH)

|       |                                 | Characteristics |                    |                    |                    |                    |                    |
|-------|---------------------------------|-----------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|       |                                 | Linde           | Linde              | Linde              | Linde              | Linde              |                    |
| 1.1   | Manufacturer                    | Linde           | Linde              | Linde              | Linde              | Linde              |                    |
| 1.2   | Model                           | E25S            | E25SH              | E30S               | E30SH              | E35SH              |                    |
| 1.3   | Power                           | Electric        | Electric           | Electric           | Electric           | Electric           |                    |
| 1.4   | Operation                       | Seated          | Seated             | Seated             | Seated             | Seated             |                    |
| 1.5   | Capacity                        | Q lb (kg)       | 5000 (2500)        | 5000 (2500)        | 6000 (3000)        | 7000 (3500)        |                    |
| 1.6   | Load center                     | c in (mm)       | 24 (500)           | 24 (500)           | 24 (500)           | 24 (500)           |                    |
| 1.8   | Front overhang                  | x in (mm)       | 17.6 (447)         | 17.6 (447)         | 17.7 (450)         | 17.9 (455)         |                    |
| 1.9   | Wheelbase                       | y in (mm)       | 67.7 (1720)        | 67.7 (1720)        | 67.7 (1720)        | 67.7 (1720)        |                    |
| 2.1   | Weight                          | lb (kg)         | 9947 (4512)        | 11161 (5063)       | 10771 (4886)       | 11807 (5356)       | 12328 (5592)       |
| 2.2.1 | Axle loading, laden front       | lb (kg)         | 13677 (6204)       | 14457 (6558)       | 15529 (7044)       | 15919 (7221)       | 17864 (8103)       |
| 2.2.2 | Axle loading, laden rear        | lb (kg)         | 1781 (808)         | 2215 (1005)        | 1856 (842)         | 2504 (1136)        | 2180 (989)         |
| 2.3.1 | Axle loading, empty front       | lb (kg)         | 5132 (2328)        | 5582 (2532)        | 5264 (2388)        | 5690 (2581)        | 5866 (2661)        |
| 2.3.2 | Axle loading, empty rear        | lb (kg)         | 4814 (2184)        | 5579 (2531)        | 5507 (2498)        | 6117 (2775)        | 6461 (2931)        |
| 3.1   | Tires                           |                 | SE                 | SE                 | SE                 | SE                 | SE                 |
| 3.2   | Tire size, front (x=driven)     | in (mm)         | 23x9-10            | 23x9-10            | 23x9-10            | 23x9-10            | 315x45-12          |
| 3.3   | Tire size, rear                 |                 | 200/50-10          | 200/50-10          | 200/50-10          | 200/50-10          | 200/50-10          |
| 3.5.1 | Number of wheels, front         |                 | 2x                 | 2x                 | 2x                 | 2x                 | 2x                 |
| 3.5.2 | Number of wheels, rear          |                 | 2                  | 2                  | 2                  | 2                  | 2                  |
| 4.1.1 | Tilt forward                    | deg             | 5°                 | 5°                 | 5°                 | 5°                 | 5°                 |
| 4.1.2 | Tilt backward                   | deg             | 5°                 | 5°                 | 5°                 | 5°                 | 5°                 |
| 4.2   | Height closed                   | h1 in (mm)      | Chart              | Chart              | Chart              | Chart              | Chart              |
| 4.3   | Free lift                       | h2 in (mm)      | Chart              | Chart              | Chart              | Chart              | Chart              |
| 4.4   | Lift height                     | h3 in (mm)      | Chart              | Chart              | Chart              | Chart              | Chart              |
| 4.5   | Mast height, raised             | h4 in (mm)      | Chart              | Chart              | Chart              | Chart              | Chart              |
| 4.7   | Cab height                      | h6 in (mm)      | 81.1 (2085)        | 88.3 (2242)        | 81.1 (2085)        | 88.3 (2242)        | 88.3 (2242)        |
| 4.8   | Seat height                     | h7 in (mm)      | 44.6 (1134)        | 50.8 (1291)        | 44.6 (1134)        | 50.8 (1291)        | 50.8 (1291)        |
| 4.12  | Tow pin height                  | h10 in (mm)     | 25.8 (654)         | 26.5 (674)         | 25.8 (654)         | 26.5 (674)         | 26.5 (674)         |
| 4.19  | Overall length                  | l1 in (mm)      | 134.9 (3427)       | 134.9 (3427)       | 135 (3430)         | 135 (3430)         | 135.3 (3435)       |
| 4.20  | Length to fork face             | l2 in (mm)      | 95.6 (2427)        | 95.6 (2427)        | 95.7 (2430)        | 95.7 (2430)        | 95.9 (2435)        |
| 4.21  | Overall width                   | b1 in (mm)      | 46.3 (1175)        | 48.4 (1228)        | 48.4 (1228)        | 48.4 (1228)        | 52.2 (1325)        |
| 4.23  | Type carriage                   |                 | class 2            | class 2            | class 3            | class 3            | class 3            |
| 4.24  | Carriage width                  | b3 in (mm)      | 45.3 (1150)        | 45.3 (1150)        | 45.3 (1150)        | 45.3 (1150)        | 45.3 (1150)        |
| 4.31  | Ground clearance, mast          | m1 in (mm)      | 4.8 (123)          | 4.8 (123)          | 4.8 (123)          | 4.8 (123)          | 4.8 (123)          |
| 4.32  | Ground clearance, chassis       | m2 in (mm)      | 4.8 (123)          | 4.8 (123)          | 4.8 (123)          | 4.8 (123)          | 4.8 (123)          |
| 4.33  | Aisle width, with loa           | Ast in (mm)     | 193.3 (4910)       | 193.3 (4910)       | 193.3 (4910)       | 193.3 (4910)       | 193.3 (4910)       |
| 4.34  | Aisle width, add load           | Ast in (mm)     | 137.4 (3490)       | 137.4 (3490)       | 137.4 (3490)       | 137.4 (3490)       | 137.4 (3490)       |
| 4.35  | Outer turning radius            | Wa in (mm)      | 78.2 (1986)        | 78.2 (1986)        | 78.2 (1986)        | 78.2 (1986)        | 78.2 (1986)        |
| 4.36  | Inner turning radius            | b13 in (mm)     | 3 (75)             | 3 (75)             | 3 (75)             | 3 (75)             | 3 (75)             |
| 5.1.1 | Travel speed, laden             | mph (kmh)       | 12.4 (20)          | 12.4 (20)          | 12.4 (20)          | 12.4 (20)          | 12.4 (20)          |
| 5.1.2 | Travel speed, empty             | mph (kmh)       | 12.4 (20)          | 12.4 (20)          | 12.4 (20)          | 12.4 (20)          | 12.4 (20)          |
| 5.2.1 | Lift speed laden                | fpm (m/s)       | 86 (0.44)          | 86 (0.44)          | 82 (0.42)          | 80 (0.42)          | 76 (0.39)          |
| 5.2.2 | Lift speed empty                | fpm (m/s)       | 100 (0.51)         | 100 (0.51)         | 100 (0.51)         | 100 (0.51)         | 100 (0.51)         |
| 5.3.1 | Lowering speed laden            | fpm (m/s)       | 110 (0.56)         | 110 (0.56)         | 110 (0.56)         | 110 (0.56)         | 110 (0.56)         |
| 5.3.2 | Lowering speed empty            | fpm (m/s)       | 96 (0.49)          | 96 (0.49)          | 96 (0.49)          | 96 (0.49)          | 96 (0.49)          |
| 5.5.1 | Drawbar pull, laden (60 min)    | lbf (N)         | 1237 (5500)        | 1303 (5800)        | 1371 (6100)        | 1618 (7200)        | 1596 (7100)        |
| 5.5.2 | Drawbar pull, empty (60 min)    | lbf (N)         | 1348 (6000)        | 1506 (6700)        | 1551 (6900)        | 1731 (7700)        | 1506 (6700)        |
| 5.6.1 | Max drawbar, pull laden (5 min) | lbf (N)         | 3372 (15000)       | 3372 (15000)       | 3372 (15000)       | 3372 (15000)       | 3372 (15000)       |
| 5.6.2 | Max drawbar, pull empty (5 min) | lbf (N)         | 2472 (11000)       | 2472 (11000)       | 2472 (11000)       | 2472 (11000)       | 2472 (11000)       |
| 5.7.1 | Gradeability, laden (30 min)    | %               | 8                  | 8                  | 8                  | 8                  | 8                  |
| 5.7.2 | Gradeability, empty (30 min)    | %               | 13.7               | 13.7               | 13.7               | 13.7               | 12                 |
| 5.8.1 | Max gradeability, laden (5 min) | %               | 22                 | 20                 | 18                 | 20                 | 17                 |
| 5.8.2 | Max gradeability, empty (5 min) | %               | 28                 | 25                 | 25                 | 25                 | 25                 |
| 5.9.1 | Acceleration time, laden        | s               | 6.1                | 6.5                | 6.5                | 6.5                | 6.7                |
| 5.9.2 | Acceleration time, empty        | s               | 5.8                | 5.9                | 5.9                | 5.9                | 5.9                |
| 5.10  | Brakes                          |                 | Hydraulic/Electric | Hydraulic/Electric | Hydraulic/Electric | Hydraulic/Electric | Hydraulic/Electric |
| 6.1   | Drive motor                     | hp (kw)         | 2x12 (2x9)         | 2x12 (2x9)         | 2x12 (2x9)         | 2x12 (2x9)         | 2x12 (2x9)         |
| 6.2   | Lift motor                      | hp (kw)         | 22.8 (17)          | 22.8 (17)          | 22.8 (17)          | 22.8 (17)          | 22.8 (17)          |
| 6.3   | Battery compartment size        | in              | 40.7x33.9x25       | 40.7x33.9x31.3     | 40.7x33.9x25       | 40.7x33.9x31.3     | 40.7x33.9x31.3     |
| 6.4   | Voltage                         | v               | 80                 | 80                 | 80                 | 80                 | 80                 |
| 6.5   | Battery weight (+/- 5%)         | kg              | 3214 (1458)        | 4107 (1863)        | 3214 (1458)        | 4107 (1863)        | 4107 (1863)        |
| 8.1   | Travel control                  |                 | Microprocessor     | Microprocessor     | Microprocessor     | Microprocessor     | Microprocessor     |
| 8.2   | Operating pressure              | psi             | 185                | 185                | 210                | 210                | 210                |
| 8.3   | Oil flow                        | g/m (l/m)       | 8.45 (32)          | 8.45 (32)          | 8.45 (32)          | 8.45 (32)          | 8.45 (32)          |
| 8.4   | Noise level                     | db (A)          | 65                 | 65                 | 65                 | 65                 | 65                 |



- Notes
- 1) With 48-inch long load, including 4-inch operational clearance
  - 2) Add load length and operational clearance
  - 3) Including battery
  - 4) Plus / minus 5%

# Features

## Linde Drive Axle

- Dual-drive motor design
- Maintenance-free service breaks
- Exceptionally energy efficient



## Linde Operator Compartment

- Ergonomically designed
- Spacious foot room
- Armrest with operational controls
- Flip-up armrest

## Linde Dual Pedal Travel Control

- Smooth directional changes
- Increased productivity
- Low fatigue operation
- Exceptionally precise travel control



## Linde Load Control (LLC)

- Individual levers
- Precise and effortless operation
- Safe and highly-efficient load handling



## Linde Mast Design

- High-strength, narrow mast profiles
- Ideal visibility with nested rails
- Nested lift cylinders, behind mast rails



## Linde Drive Axle

- Electric differential function
- Electronic curve assist
- Traction control

## Flexible Battery Handling

- 180-degree opening door
- Side discharge with crane or pickup with forks
- Easy-to-reach quick disconnect button

## Linde Combi-Axle

- Highly stable configuration
- Excellent maneuverability
- Impressive residual capacity

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

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ANSI: Standard truck meets all applicable mandatory requirements of ANSI/ITSDF B56.1 standards for powered industrial trucks.  
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