# CHARACTERISTICS

## Lithium-ION technology

- A greener solution to your bottom line
- Lithium-ion batteries reduce electrical costs because of better charger efficiency
- 48 V, 30 Ah lithium-Ion battery increases working time up to 3 hours
- Eliminating or reducing battery handling with faster charging technology

## Ergonomics

- Ergonomic tiller head ensures precise and comfortable handling
- Creep speed functionality with the tiller arm in the vertical position improves maneuverability in confined spaces
- Auto reverse switch gives the operator added confidence in tight spaces

## Confidence

- Long, low mounted tiller guarantees sufficient distance between operator and truck
- 374 lb. truck can even be used in mezzanines
- Powered traction driving and lifting capacity supported by casters

## Service

- DC motor extends torque and maintenance intervals
- Multifunction display informs operator about truck status
- Battery management system ensures the quality and durability of the battery
- Service technicians can transfer and read out data to notebook via CAN bus connection
- All components are easily accessible

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# ELECTRIC PALLET TRUCK

# MT18

## 4,000 lb. Capacity

Series 1133-03

- Lithium-Ion eliminates the issues with lead acid battery life and charging
- Superior maneuverability for transport in tight spaces
- Powered traction driving and lifting performance for loads of up to 4,000 lbs. without effort
- Operator protection through long, low mounted tiller and low chassis
- 374 lb. light weight truck can be used anywhere, even on mezzanines

# STANDARD & OPTIONAL EQUIPMENT

## STANDARD

- → Automatic parking brake
- → Horn
- → Reverse switch on tiller head
- → Robust metal protection covers
- → Key switch
- → CAN bus architecture
- → Creep speed
- → Traction and lift control from ergonomic tiller
- → Multifunction display hour meter, maintenance indication, battery discharge indicator and internal fault code indication
- → Polyurethane drive wheel
- → 0.9 kW DC motor (maintenance free)
- → Electromechanical braking system

## OPTIONAL

- → Load backrest 48"
- → Fork width options 22 / 36" 22" x 45.5" 27" x 36"
- → Drive wheel wet grip
- → Extra Li-ION battery (30 Ah)
- → Extra Li-ION (12 Ah) Charger
- → Caster wheels


# FEATURES


## Linde Series 1133-03 Five Features

### Ergonomic Tiller Head

- → Ergonomic tiller head ensures precise and confident handling in tight spaces
- → Low mounted tiller allows sufficient distance between operator and truck

### Lithium-Ion Battery

- → Charge when you want, how you want without lead-acid battery charging constraints
- → 48V /30Ah Lithium-Ion battery increases work time up to 2.0-3.0 hours
- → Easily replaced and lightweight
- → Separate charger allows quick and convenient charging for optimum run time
- → Charging time of only 3.0 hours

### Light Weight

- → Light weight truck (374 lbs.) can even be used on mezzanines
- → Compact frame provides easy operation in compact spaces

### Low Profile

- → Low profile forks allows easier manuevering in tight spaces
- → Single load wheels reduce cost of operation
- → Optional fork dimensions available with easy pallet entry / exit

### Accessibility

- → Easy access to all service component
- → Easy access to emergency cut off
- → Service Technicians can transfer and read data to a notebook via CAN bus connection

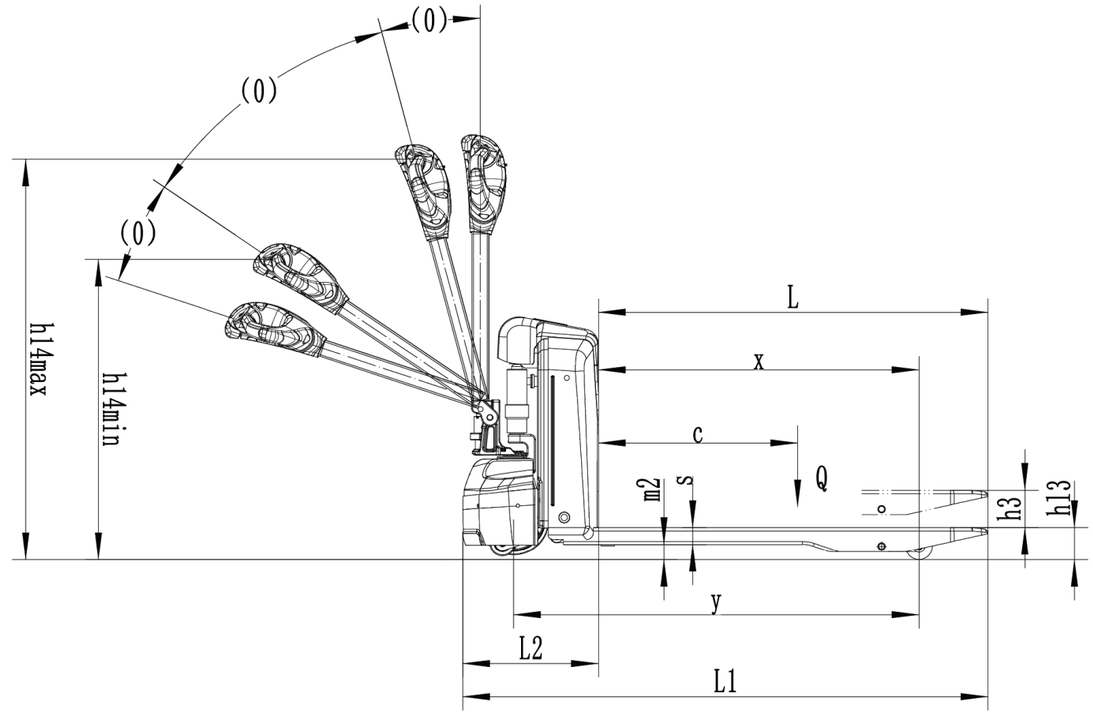
# MT18 TECHNICAL DATA

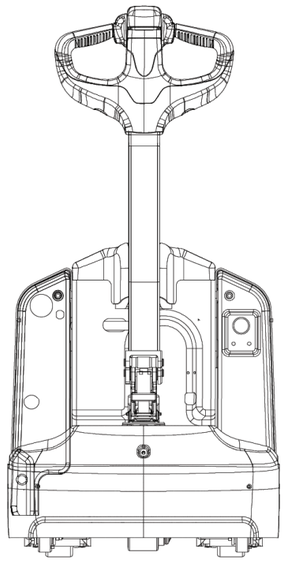
April 2021

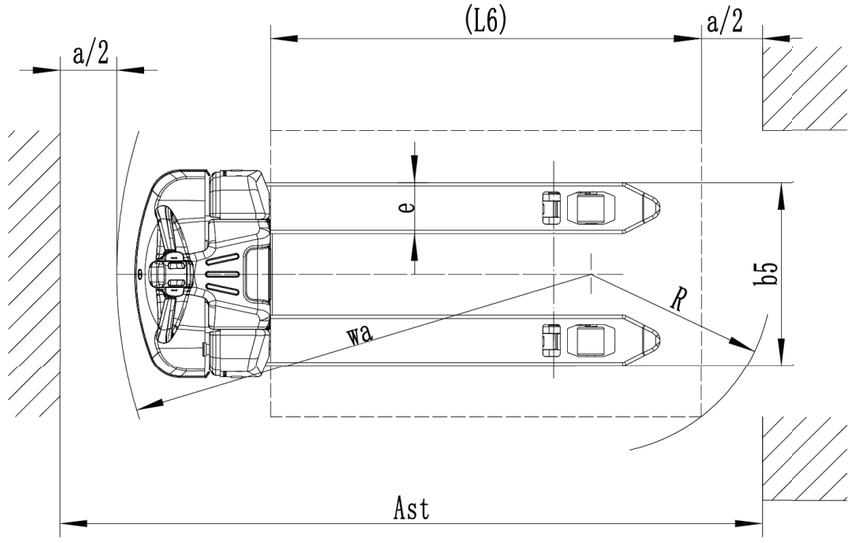
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Characteristics | 1.1 | Manufacturer | | | | LINDE | |
| | 1.2 | Model designation | | | | **MT18** | |
| | 1.3 | Power unit | | | | 1133-03 | |
| | 1.4 | Operation | | | | Pedestrian | |
| | 1.5 | Rated capacity | Q | lb | kg | 4000 | 1800 |
| | 1.6 | Load center distance | c | in | mm | 24 | 600 |
| | 1.8 | Load distance, center of drive axle to fork | x | in | mm | 35.2 / 37.8 | 894 / 960 |
| | 1.9 | Wheelbase | y | in | mm | 45.5 / 48 | 1155 / 1120 |
| Weights | 2.1 | Service weight | | lb | kg | 374 | 170 |
| | 2.2 | Axle loading laden, front/front | | lb | kg | 1454 / 2880 | 661 / 1309 |
| | 2.3 | Axle loading without load, front/rear | | lb | kg | 286 / 88 | 130 / 40 |
| Wheels/Tires | 3.1 | Tire type | | | | PU / PU | |
| | 3.2 | Tire size, front | | in | mm | 8.3 x 2.75 | 210 / 70 |
| | 3.3 | Tire size, rear | | in | mm | 2.9 x 3.46 | 74 x 88 |
| | 3.5 | Wheels, number front / rear (X = driven) | | | | 1x/2 | |
| Dimensions | 4.4 | Lift | $h_3$ | in | mm | 4.5 | 115 |
| | 4.9 | Height of tiller arm in driving position, min / max | $h_{14}$ | in | mm | 25/46 | 650/1170 |
| | 4.15 | Fork height, lowered | $h_7$ | in | mm | 3.15 | 80 |
| | 4.19 | Overall lengh | $l_1$ | in | mm | 61.8 | 1570 |
| | 4.20 | Length to fork face | $l_2$ | in | mm | 15.7 | 400 |
| | 4.21 | Overall width | $b_1$ $b_2$ | in | mm | 27.4 | 695 |
| | 4.22 | Fork dimensions s × e × l | s × e × l | in | mm | 2 / 6 / 46 | 50 x 150 x1170 |
| | 4.25 | Distance between fork-arms | $b_5$ | in | mm | 27 | 685 |
| | 4.32 | Ground clearance with load, center of wheelbase | $m_2$ | in | mm | 1.18 | 30 |
| | 4.33 | Aisle width, 1000 × 1200 mm pallet crosswise | $A_{st}$ | in | mm | 82 | 2061 |
| | 4.34 | Aisle width, 800 × 1200 along forks | $A_{st}$ | in | mm | 86 | 2175 |
| | 4.35 | Turning radius | $W_a$ | in | mm | 54 | 1370 |
| Performance | 5.1 | Travelling speed, with / without load | | mph | km/h | 3.1 / 3.4 | 5 / 5.5 |
| | 5.2 | Lifting speed, with / without load | | ft/s | m/s | 3.9 / 4.9 | .020 / .025 |
| | 5.3 | Lowering speed, with / without load | | fpm | m/s | 12.7 / 5.91 | .065 /.030 |
| | 5.8 | Maximum gradeability, laden / unladen | | % | | 6 / 16 | |
| | 5.9 | Acceleration time with / without load | | S | | 10.78 / 9.88 | |
| | 5.10 | Service brake | | | | Electric | |
| Drive | 6.1 | Lift motor rating | | kW | | 0.9 | |
| | 6.2 | Engine speed | | kW | | 0.8 | |
| | 6.3 | Battery according to DIN 43531/ 35/ 36 A, B, C, no | | | | Li-ION | |
| | 6.4 | Battery voltage, nominal capacity K5 | | V / Ah | | 48/30 | |
| | 6.5 | Battery weight | | lbs | kg | 31 | 14 |
| | 6.6 | Energy consumption according to VDI cycle | | kWh / h | | 0.239 | |
| Other | 8.1 | Type of drive control | | | | DC | |
| | 8.4 | Noise level | | dB(A) | | < 70 | |

# MT18 TECHNICAL DATA

April 2021






*Refer to Technical Data Chart