

# 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

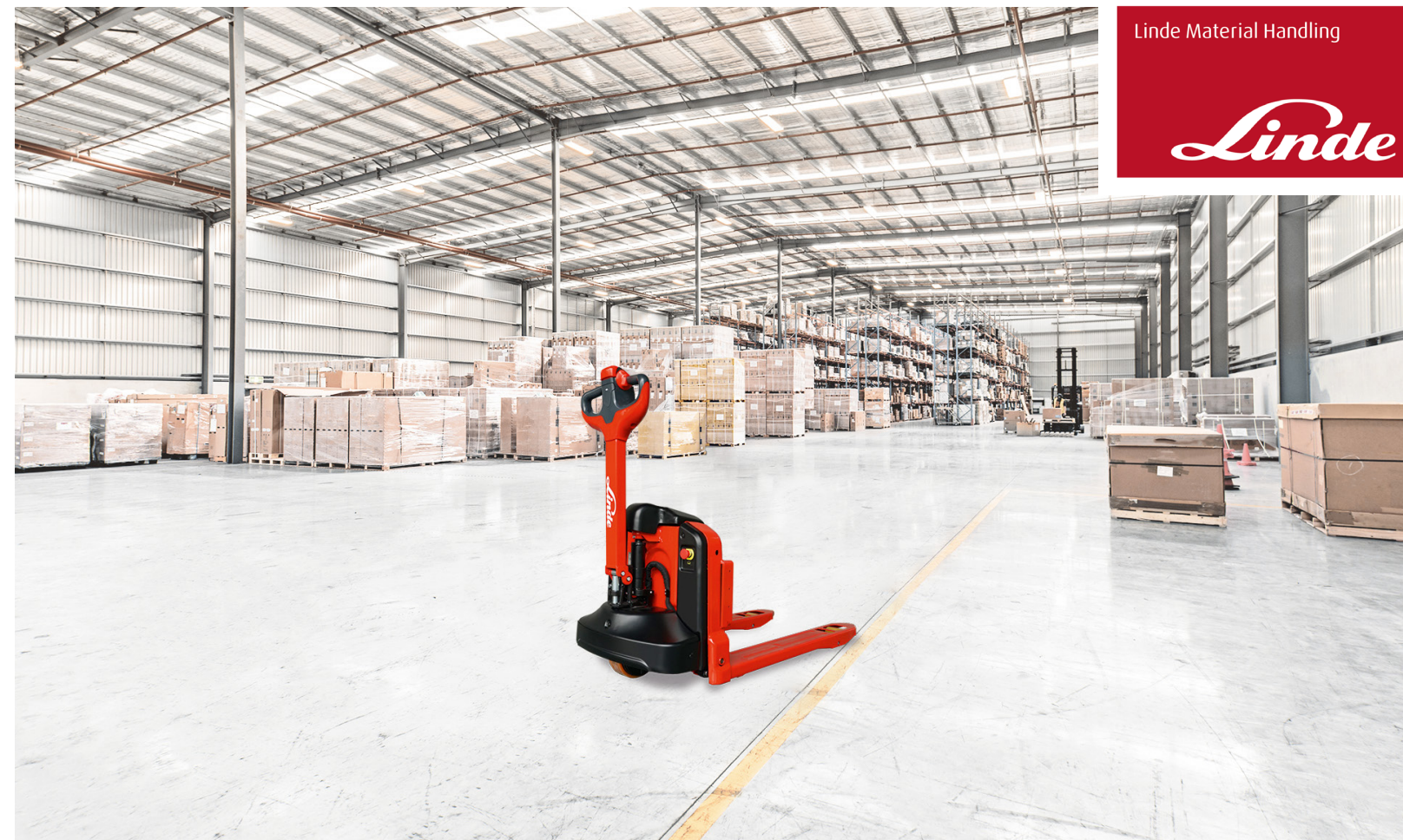
- Long, low mounted tiller guarantees sufficient distance between operator and truck
- 374 lb. truck can even be used in mezzanines
- Powered traction driving and lifting capacity supported by casters



## 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

ANSI: Standard truck needs all applicable machinery requirements of ANSI/ISO 556-1 standards for powered industrial trucks.  
NOTE: Performance values are based on test results. Actual performance may vary due to operating conditions. All metric dimensions are in millimeters unless otherwise specified. All metric dimensions are in millimeters unless otherwise specified. 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 incurring obligation. Please check with your authorized Linde dealer for information on possible updates or revisions.



Linde Material Handling

Linde

## 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

For more information on Linde Material Handling equipment, please contact:

KION North America Corporation  
2450 West 5th North Street, Summerville, SC 29483  
Phone: (843) 875.8000 Truck Sales Fax: (843) 875.8471  
Email: trucksales.na@kiongroup.com  
www.kion-na.com



## 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
- Caster wheels

### 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

## 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 maneuvering 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                                   |                       |      |             | <b>MT18</b> |                 |
|                 | 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             |
| Weights         | 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     |
|                 | 2.1  | Service weight                                      |                       | lb   | kg          | 374         | 170             |
| Wheels/Tires    | 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        |
|                 | 3.1  | Tire type   |                       |      |             | PU / PU     |                 |
| Dimensions      | 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        |                 |
|                 | 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 length                                      | $l_1$                 | 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 $s \times e \times l$               | $s \times e \times l$ | in   | mm          | 2 / 6 / 46  | 50 x 150 x 1170 |
|                 | 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 x 1200 mm pallet crosswise        | $A_{st}$              | in   | mm          | 82          | 2061            |
|                 | 4.34 | Aisle width, 800 x 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               |                       |      |             | %           |                 |
|                 | 5.9  | Acceleration time with / without load               |                       |      |             | S           |                 |
|                 | 5.10 | Service brake                                       |                       |      |             | Electric    |                 |
| Drive           | 6.1  | Lift motor rating                                   |                       |      |             | kW          |                 |
|                 | 6.2  | Engine speed  |                       |      |             | kW          |                 |
|                 | 6.3  | Battery according to DIN 43531/ 35/ 36 A, B, C, no  |                       |      |             | Li-ION      |                 |
|                 | 6.4  | Battery voltage, nominal capacity K5                |                       |      |             | V / Ah      |                 |
|                 | 6.5  | Battery weight                                      | lbs                   | kg   | 31          | 14          |                 |
|                 | 6.6  | Energy consumption according to VDI cycle           |                       |      |             | kWh / h     |                 |
| Other           | 8.1  | Type of drive control                               |                       |      |             | DC          |                 |
|                 | 8.4  | Noise level   |                       |      |             | dB(A)       |                 |

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