Equipment

Standard equipment

- Multifunction back lighted display
- Automatic speed reduction when cornering
- Key switch or Log in Pin code: ignition
- Adjustable Linde control handle bar
- Hook control (inching buttons)
- Different hooking system (mechanical & electrical)
- Drive wheel: polyurethane, cushion non-marking or wet grip

Optional equipment

- Self-centering steering
- Power assisted steering (drive wheel) feedback
- Dedicated work station (with storage compartments)
- Rear lights
- Flashing beacon
- Data terminal on the bow (front)
- Horn
- Accessory hooking system

Features

- Automatic load sense to adapt a data template
- Equipment on goole
- Support for data terminal or barcode reader (centre)
- Alarms, components at the back (check list)
- Drive wheel: polyurethane, cushion non-marking or wet grip

Battery for every need

- Vertical battery change as standard, optional side battery change in right
- Wide range of batteries low & high from 270 Ah (3 PzS) to 620 Ah (4 PzS)
- Battery locking system for side change option
- Battery information system on display to indicate battery status and error at the battery change

Linde control handle

- Ingenious design and patented
- Optimum protection for both hands
- All main control functions integrated in one handle for operation by either hand or both
- Adjustable height adjustment (optional)

CAN bus architecture

- Electronic management of all components providing quick and easy diagnosis
- All performance parameters can be configured exactly by the service technician for every individual need

Any option you require is available on request.

Electric Tow Tractor with Platform
Capacity 3000 kg
P 30

Safety

Compact design of the Linde control handlebars ensures that the operator remains well within the truck contours while driving. Ingenious design of the main frame enclosed by a hand guard and a trim thick steel front shield assures excellent safety for the operator.

Performance

Powered by a 3 kW AC motor, the P 30, accelerates fast to reach a 10 km/h full speed. Its 3,000 kg capacity and AC motor

Reliability

The robustness of the handlebar, the strong hooking systems and the high quality steel frame is always something that you can rely on. In addition, the AC technology contributes to the truck life time.

Service

Efficiency at work, efficiency at the control panel. CAN has connection enables all truck data to be read out for inspection when coming because due to the interface of CAN operating systems. Easy accessibility of all components and the maintenance free AC technology employed play an additional part in keeping truck uptime.

Linea Material Handling, Nordfeld Straße 9, 63701 Aschaffenburg, Germany

Printed in Germany · 094 · e · 3 · 0411 · Ind. B · Ki
### Technical data

#### 1. Technical description

- **Manufacturer:** LINDE
- **Model designation:** P3 0
- **Power unit:** Battery, diesel, gasoline, LP gas, AC Battery
- **Operation:** Manual, pedestrian, rider stand, rider seat, order picker: Stand-on

#### 2. Characteristics

- **Load capacity Q (kg):** 3000
- **Rated drawbar pull F (N):** 1800
- **Wheelbase (± 5 mm):** y (mm) 910
- **Dead weight (± 10 %):** kg 1005
- **Axle load without load, front/rear (± 10 %):** kg 705/300
- **Tyres:** Solid rubber (R), Superelastic (S), Polyurethane (P)
  - **Tyre size, front:** Ø 254 x 102
  - **Tyre size, rear:** Ø 250 x 80
- **Wheels, number front/rear (x = driven):** 1x + 2/2
- **Track width, front (± 5 mm):** b10 (mm) 544
- **Track width, rear (± 5 mm):** b11 (mm) 650
- **Height of backrest, min/max:** h7 (mm) 766/866
- **Tiller height, travel position, min/max:** h14 (mm) 1030/1080
- **Tow coupling height: Single position, 3 positions:** h10 (mm) 300, 290/345/400
- **Overall length (± 5 mm):** l1 (mm) 1900
- **Overall width (± 5 mm):** b1/b2 (mm) 790/736
- **Ground clearance, center of wheelbase (min):** m2 (mm) 30
- **Turning radius (min):** Wa (mm) 1740
- **Minimum pivoting point distance:** b13 (mm) 1460
- **Travel speed, with/without load (± 5 %):** km/h 10/10
- **Drawbar pull with/without load (60 minutes rating):** N 1800
- **Maximum drawbar pull with/without load (5 minutes rating):** N 4200
- **Climbing ability with/without load (30 minutes rating):** % –
- **Maximum climbing ability with/without load (5 minutes rating):** % –
- **Acceleration, with/without load (sur 10 m):** s 7.3/5
- **Service brake:** Electromagnetic

#### 3. Drive system

- **Drive motor output:** (S 2, 60 minutes rating) kW 3
- **Battery according to IEC DIN 43535:** B
- **Battery voltage/rated capacity (5 h):** V/Ah 24/500
- **Battery weight (± 5 %):** (± 10 %) kg 381
- **Power consumption according to VDI cycle:** Ah –

#### 4. Others

- **Drive control:** LAC
- **Sound level at operator’s ear:** dB (A) < 70
- **Tow coupling, design/type, DIN Standard:** –

#### 5. Example of application

- A tractor towing 2 t load
- Operating on a ramp of 4 %
- Maximum travelling speed reachable: 5 km/h

---

*With battery: line 6.4

1) With a 4 PzS Lateral or 3 PzS Vertical battery, ( -100 mm for 3 PzS Lateral)
Technical data

1.1 Manufacturer LINDE

1.2 Model designation P3 0

1.3 Power unit: Battery, diesel, gasoline, LP gas, AC Battery

1.4 Operation: Manual, pedestrian, rider stand, rider seat, order picker Stand-on

1.5 Load capacity Q (kg) 3000

1.7 Rated drawbar pull F (N) 1800

1.9 Wheelbase (± 5 mm) y (mm) 910 2)

2.1 Dead weight (± 10 %) kg 1005 1)

2.3 Axle load without load, front/rear (± 10 %) kg 705/300 1) 2)

3.1 Tyres: Solid rubber (R), Superelastic (S), Polyurethane (P) R + PP

3.2 Tyre size, front mm Ø 254 x 102

3.3 Tyre size, rear mm Ø 250 x 80

3.4 Auxiliary wheel size mm Ø 100 x 40

3.5 Wheels, number front/rear (x = driven) 1x + 2/2

3.6 Track width, front (± 5 mm) b10 (mm) 544

3.7 Track width, rear (± 5 mm) b11 (mm) 650

4.8 Height of backrest, min/max h7 (mm) 766/866

4.9 Tiller height, travel position, min/max h14 (mm) 1030/1080

4.12 Tow coupling height: Single position, 3 positions h10 (mm) 300, 290/345/400

4.19 Overall length (± 5 mm) l1 (mm) 1900 2)

4.21 Overall width (± 5 mm) b1/b2 (mm) 790/736

4.32 Ground clearance, center of wheelbase (min) m2 (mm) 30

4.35 Turning radius (min ) Wa (mm) 1740 2)

4.36 Minimum pivoting point distance b13 (mm) 1460 2)

5.1 Travel speed, with/without load (± 5 %) km/h 10/10

5.5 Drawbar pull with/without load (60 minutes rating) N 1800

5.6 Maximum drawbar pull with/without load (5 minutes rating) N 4200

5.7 Climbing ability with/without load (30 minutes rating) % –

5.8 Maximum climbing ability with/without load (5 minutes rating) % –

5.9 Acceleration, with/without load (sur 10 m) s 7.3/5

5.10 Service brake Electromagnetic

6.1 Drive motor output (S 2, 60 minutes rating) kW 3

6.3 Battery according to IEC DIN 43535 B

6.4 Battery voltage/rated capacity (5 h) V/Ah 24/500

6.5 Battery weight (± 5 %) (± 10 %) kg 381 1)

6.6 Power consumption according to VDI cycle Ah –

8.1 Drive control LAC

8.4 Sound level at operator’s ear dB (A) < 70

8.5 Tow coupling, design/type, DIN Standard –

1) With battery: line 6.4

2) With a 4 PzS Lateral or 3 PzS Vertical battery, ( -100 mm for 3 PzS Lateral)

The example shown illustrates

A tractor towing 2 t load

Operating on a ramp of 4 %

Maximum travelling speed reachable 5 km/h

Example of application

According to ISO 2198
1. Technical data
   - Manufacturer: LINDE
   - Model designation: P30
   - Power unit: Battery, diesel, gasoline, LP gas, AC Battery
   - Operation: Manual, pedestrian, rider stand, rider seat, order picker, Stand-on
   - Load capacity: Q (kg) 3000
   - Rated drawbar pull: F (N) 1800
   - Wheelbase: (± 5 mm) y (mm) 910
   - Dead weight: (± 10 %) kg 1005
   - Axle load without load: front/rear (± 10 %) kg 705/300
   - Tyres: Solid rubber (R), Superelastic (S), Polyurethane (P) R + PP
   - Tyre size, front mm Ø 254 x 102
   - Tyre size, rear mm Ø 250 x 80
   - Auxiliary wheels size mm Ø 100 x 40
   - Wheels, number front/rear (x = driven) 1x + 2/2
   - Track width, front (± 5 mm) b10 (mm) 544
   - Track width, rear (± 5 mm) b11 (mm) 650
   - Height of backrest, min/max h7 (mm) 766/866
   - Tiller height, travel position, min/max h14 (mm) 1030/1080
   - Tow coupling height: Single position, 3 positions h10 (mm) 300, 290/345/400
   - Overall length: (± 5 mm) l1 (mm) 1900
   - Overall width: (± 5 mm) b1/b2 (mm) 790/736
   - Ground clearance, center of wheelbase (min) m2 (mm) 30
   - Turning radius (min): Wa (mm) 1740
   - Minimum pivoting point distance: b13 (mm) 1460
   - Travel speed, with/without load (± 5 %): km/h 10/10
   - Drawbar pull with/without load (60 minutes rating): N 1800
   - Maximum drawbar pull with/without load (5 minutes rating): N 4200
   - Climbing ability with/without load (30 minutes rating): % –
   - Maximum climbing ability with/without load (5 minutes rating): % –
   - Acceleration, with/without load (sur 10 m): s 7.3/5
   - Service brake: Electromagnetic
   - Drive motor output: (S 2, 60 minutes rating) kW 3
   - Battery according to IEC DIN 43535: B
   - Battery voltage/rated capacity (5 h): V/Ah 24/500
   - Battery weight: (± 5 %) (± 10 %) kg 381
   - Power consumption according to VDI cycle: Ah –
   - Drive control: LAC
   - Sound level at operator's ear: dB (A) < 70
   - Tow coupling, design/type: DIN Standard –

2. Characteristics
   - Weights
   - Wheels/Tyres
   - Dimensions
   - Performance
   - Drive
   - Others

3. Example of application

4. According to VDI 2198
**Equipment**

**Standard equipment**
- Multi-function key illuminated display
- Kick switch or tag in the cockpit ignition
- Safe operator compartment with cushioned full-suspension platform
- Dedicative work station (with storage compartments)
- Removable clipboard
- Adjustable backrest
- Power assisted steering (either wheel) feedback
- Self-centering steering

**Optional equipment**
- Drive wheel: polyurethane, cushion non-marking or wet grip
- Self-centering steering
- Power assisted steering (drive wheel) feedback
- Removable clipboard
- Dedicated work station (with storage compartments)
- Adjustable steering feedback
- Hook control (inching buttons)
- Different hooking system (mechanical & electrical)
- Drive wheel: polyurethane, cushion non-marking or wet grip
- Automatic speed reduction when cornering
- Horn
- Single position hook (300 mm)
- Rear lights
- Front working light
- Data terminal on the bow (front)
- Key switch or Log in Pin code: ignition
- Multifunction back lighted display
- Emergency brake (on both sides) enabling the control of the truck from the working position

**Features**

**Electric Tow Tractor with Platform**

**Capacity 3000 kg**

**P 30**

**Linde Material Handling**

**Safety**
- Compact design of the Linde control handles ensures that the operator remains well within the truck contours while driving. Ergonomic design of the rim grip enclosed by a hand guard and a trim thick steel front should ensure comfortable seating for the operator.

**Performance**
- Powered by a 3kW AC motor, the P 30, accelerates fast to reach a 10 km/h full speed. Its 3,000 kg capacity and AC motor

**Reliability**
- The advancement of the handles, the strong hooking systems and the high quality steel frame is always something that you can rely on. In addition, the P 30 technology contributes to increase the truck life time.

**Service**
- Efficiency at work, efficiency at the control. CAN bus connection enables all trucks data to be read out for inspection whenever becomes necessary due to the interlink of 1,000 operating hours. Ease of accessibility of all components and the maintenance free AC technology employed play an additional part in keeping the truck uptime.

**AC motor**
- Powerful and smooth drive at 100% performance
- Maintenance free and resilient motor
- No backlash on spiral gearing
- Maximum speed of 10 km/h
- A maximum drawbar pull of 420 daN

**Work station**
- Digital and multifunction display
- Foot controlled lift and drive by application
- Compact design of the Linde control handles
- Adjustable steering feedback

**Battery for every need**
- Vertical battery change as standard
- Optional side battery change at night
- Wide range of batteries low & high from 270 Ah (3 PzS) to 620 Ah (4 PzS)
- Battery locking system for side change option

**Linde control handles**
- Ergonomic design and positions
- Optimized protection for both hands
- All main control functions integrated in one handle for operation by either hand or both
- Adjustable height adjustment (optional)

**CAN bus architecture**
- Electronic management of all components providing quick and easy diagnosis
- All performance parameters can be configured exactly by the service technician for every individual need

**Subject to change in the interests of progress.**

Illustrations and technical details non-binding. All dimensions subject to customary tolerance.
Equipment

Standard equipment

- Multifunction back-lit display
- Automatic speed reduction when cornering
- Rear switch or tag in the cabin
- Automatic feedback
- Automatic direction indicator
- One-piece emergency brake acting proportionately
- Dedicated work station (with storage compartments)
- Cushion drive wheel
- Optimal hooking system (mechanical & electrical)
- Drive wheel: polyurethane, cushion non-marking or wet grip

Optional equipment

- Self-centering steering
- Power assisted steering (drive wheel)
- Adjustable backrest
- Removable clipboard
- Dedicated work station (with storage compartments)
- Platform
- Safe operator compartment with cushioned full-suspension
- Key switch or LOG in Pin code: ignition
- Multifunction back-lit display

Features

- Electric Tow Tractor with Platform
- Capacity 3000 kg
- P30 SERIES 132

Safety

Compact design of the Linde control handlebars ensures that the operator remains well within the truck contours while driving. Ergonomic design of the truck gusks enclosed by a hand guard and a trim thick steel front shield assure excellent cooling for the operator.

Performance

Powered by a 3 kW AC motor, the P 30 accelerates fast to 10 km/h full speed. Its 3,000 kg capacity and the high quality steel frame is always something that you can rely on. In addition, the P 30 technology contributes to efficiency at the cost level. CAN bus architecture enhances the available diagnostic capabilities and ensures service at the cost level.

Reliability

The performance of the handlebar, the string handling systems, and the high quality steel frame is always something that you can rely on. Inaddition, the P 30 technology contributes to efficiency at the cost level.

Service

Efficiency at work, efficiency at the control panel. CAN bus connection enables all truck data to be read out for inspection and for improving the technical data of the truck. Thanks to the DC technology, the maintenance-free AC technology employed play an additional part in keeping truck uptime and reduce truck downtime.

Safety

- Cushion drive wheel
- Optimal hooking system (mechanical & electrical)
- Drive wheel: polyurethane, cushion non-marking or wet grip

Optional equipment

- Self-centering steering
- Power assisted steering (drive wheel)
- Adjustable backrest
- Removable clipboard
- Dedicated work station (with storage compartments)
- Platform
- Safe operator compartment with cushioned full-suspension
- Key switch or LOG in Pin code: ignition
- Multifunction back-lit display

Features

- Electric Tow Tractor with Platform
- Capacity 3000 kg
- P30 SERIES 132

Safety

Compact design of the Linde control handlebars ensures that the operator remains well within the truck contours while driving. Ergonomic design of the truck gusks enclosed by a hand guard and a trim thick steel front shield assure excellent cooling for the operator.

Performance

Powered by a 3 kW AC motor, the P 30 accelerates fast to 10 km/h full speed. Its 3,000 kg capacity and the high quality steel frame is always something that you can rely on. In addition, the P 30 technology contributes to efficiency at the cost level. CAN bus architecture enhances the available diagnostic capabilities and ensures service at the cost level.

Reliability

The performance of the handlebar, the string handling systems, and the high quality steel frame is always something that you can rely on. Inaddition, the P 30 technology contributes to efficiency at the cost level.

Service

Efficiency at work, efficiency at the control panel. CAN bus connection enables all truck data to be read out for inspection and for improving the technical data of the truck. Thanks to the DC technology, the maintenance-free AC technology employed play an additional part in keeping truck uptime and reduce truck downtime.