

Standard Equipment/Optional Equipment

Standard Equipment

Comfort fabric seat with hydraulic damping, weight and longitudinal adjustment

Adjustable footplate height

Joystick for lifting/lowering, direction selection and horn

5 driving profiles, selected by driver

Integral storage compartments

Multifunctional display of active operating states

A4 clipboard

Fully electric 360° steering

Dual circuit steering safety system

Smooth stepless acceleration to maximum speed

Maintenance-free, totally enclosed drive unit

Speed reduction depending on steering angle

Individual parameter setting facilities

Integral flow and temperature sensors for function monitoring

Electrical lift cut-out

Good service access

Regenerative electric braking

ABS brake function

Electromagnetic disc brake as parking brake and emergency stop

Side battery change with forklift truck

Battery compartment for 930 Ah battery

Optional Equipment

Fork dimensions: 570 mm x 2390 mm or 570 mm x 3590 mm

Driver's seat with heater

Driver's seat with leatherette cover

Armrest to the left of the driver's seat

Electric thermostatically regulated foot heater

Reading lamp

Reverse electric steering

Preparation for data terminal

Wind shield on 3 sides, open towards the forks

Cold store protection

Comfort cold store cab, heated

PIN code access



High performance pallet truck Capacity 3300 kg T 33 R HP

Series 1301

Safety

The T 33 R HP is equipped as standard with important safety features. Five driving profiles manage travel speeds, acceleration and braking dependent upon the travel direction. Thus individual driver requirements can fit with warehouse safety conditions. The Linde Curve Control enables speed limitation depending on the steering angle and brings a high level of safety for less experienced drivers and fragile goods.

Performance

The T 33 R HP offers high performances thanks to twin 6,5 kW electric motors. They enable the truck to reach a 20 km/h travel speed in a few seconds. An efficient braking system with ABS function prevents the wheels from locking. The battery can be changed from the side by forks. Excellent shift life is guaranteed by battery capacities up to 930 Ah.

Comfort

The driver's compartment offers a very comfortable seat and equipment to achieve a high level of productivity without fatigue. The adjustable controls & platform height suit different sizes and shapes of driver. The optional suspension seat and left armrest of the driver's seat provide a relaxed position during long distance runs. The steering wheel located on the truck door allows optimum leg clearance.

Reliability

The T 33 R HP is designed for intensive applications. The thermal insulation of the motors, controller, hydraulic pump and motor units provide optimum temperature characteristics for day-long operation. The maintenance-free traction and power steering motors improve operating cycle times.

Serviceability

The truck architecture provides fast access for truck servicing due to the easily removed cover. Moreover, the lift components are not located under the chassis making maintenance quick and easy.

Features

Ergonomics

→ Adjustable controls

→ Adjustable platform height

→ Comfortable driver's seat

→ Wide step and hand grip for easy on/off access

Operator's compartment

→ Spacious driver's compartment

→ Individual storage for driver's equipment

→ Multi-functional display



Drive

→ Twin AC drive motors

→ Robust gearbox design

→ Thermal insulation of the drive motors, controller, hydraulic pump and motor to maintain the optimum operating temperature

Braking system

→ Regenerative braking when the traction controls are released

→ Electromagnetic disc brake for parking or as emergency brake

→ ABS : brake regulator to prevent the wheels from locking

Steering

→ 360° electric steering

→ Variable steering ratio automatically increases the number of steering wheel rotations depending on traction speed

→ Automatic speed reduction when cornering

→ Dual circuit electric steering system for safety



Performance

→ Travel speed up to 20 km/h

→ Can carry up to 3 Euro pallets along the forks

→ Low maintenance

→ High uptime for productive working



Battery

→ Extended shift life thanks to battery capacities up to 930 Ah

→ Side battery change with forks to increase truck availability

→ Low centre of gravity for optimum stability



Maintenance

→ Maintenance-free AC drive motors

→ Easy access to components for fast servicing

→ No lifting components under the chassis

Technical Data according to VDI 2198

| | | | | |
|-----------------|------------|--|------------|---------------------------|
| Characteristics | 1.1 | Manufacturer | | LINDE |
| | 1.2 | Model designation | | T33R HP |
| | 1.2a | Series | | 1301 |
| | 1.3 | Power unit | | Battery |
| | 1.4 | Operation | | Seat |
| | 1.5 | Load capacity/Load | Q (t) | 3.3 |
| | 1.6 | Load centre | c (mm) | 1800 |
| | 1.8 | Axle centre to fork face | x (mm) | 2528 / 2634 ¹⁾ |
| | 1.9 | Wheelbase | y (mm) | 3595 / 3700 |
| Weights | 2.1 | Service weight | (kg) | 3560 |
| | 2.2 | Axle load with load, front/rear | (kg) | 3458 / 3402 |
| | 2.3 | Axle load without load, front/rear | (kg) | 2790 / 770 |
| Wheels/Tyres | 3.1 | Tyres rubber, SE, pneumatic, polyurethane | | Polyurethane |
| | 3.2 | Tyre size, front | | Ø 360 x 130 |
| | 3.3 | Tyre size, rear | | 2x Ø 90 x 95 |
| | 3.5 | Wheels, number front/rear (x = driven) | | 2x / 4 |
| | 3.6 | Track width, front | b10 (mm) | 562 |
| | 3.7 | Track width, rear | b11 (mm) | 370 |
| | Dimensions | 4.4 | Lift | h3 (mm) |
| 4.8 | | Height of seat/stand on platform | h7 (mm) | 1474 |
| 4.15 | | Height, lowered | h13 (mm) | 93 |
| 4.19 | | Overall length | l1 (mm) | 4893 |
| 4.20 | | Length to fork face | l2 (mm) | 1305 |
| 4.21 | | Overall width | b1/b2 (mm) | 1000 |
| 4.22 | | Fork dimensions | s/e/l (mm) | 70 x 200 x 3590 |
| 4.25 | | Fork spread, min/max | b5 (mm) | 570 |
| 4.32 | | Ground clearance, centre of wheelbase | m2 (mm) | 21 |
| 4.34 | | Aisle width with pallet 800 x 1200 along forks | Ast (mm) | 4615 ²⁾ 3) |
| 4.35 | | Turning radius | Wa (mm) | 3343 |
| Performance | 5.1 | Travel speed, with/without load | (km/h) | 20 / 20 |
| | 5.2 | Lifting speed, with/without load | (m/s) | 2.04 / 2.95 |
| | 5.3 | Lowering speed, with/without load | (m/s) | 2.1 / 1.6 |
| | 5.8 | Maximum climbing ability, with/without load | (%) | 8.0 / 13.0 |
| Drive | 5.10 | Service brake | | Electro-magnetic |
| | 6.1 | Drive motor, 60 minute rating | (kW) | 2x 6.5 |
| | 6.2 | Lift motor, rating at S3 15% | (kW) | 2 |
| | 6.3 | Battery according to DIN 43531/35/36 A,B,C,no | | no |
| | 6.4 | Battery voltage/rated capacity (5h) | (V/Ah) | 48 / 930 |
| | 6.5 | Battery weight (+ 5%) | (kg) | 1560 |
| Others | 8.1 | Type of drive control | | Electronic/stepless |
| | 8.2 | Operating pressure for attachments | (bar) | 140 |
| | 8.4 | Noise level at operator's ear | (dB(A)) | < 70 |

1) Forks upraised / lowered
2) Including a 200 mm (min.) operating aisle clearance.

3) 3 x Pallets lengthwise

