

# Electric Pallet Truck with Rider Platform

## 2000 and 2400 kg



T 20 SP  
T 24 SP  
T 20 AP  
T 24 AP

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The T 20/T 24 SP and T 20/T 24 AP Electric Pallet Trucks with Rider Platform are designed for delivery vehicle loading and unloading, warehouse transport and occasional order picking.

### Main features

- Innovative operator compartment with 45° driving position for maximum visibility
- High-standard operator protection
- Ergonomic Linde e-driver®
- Self-centering Linde Electric Steering (LES) with proportional steering resistance
- Proportional speed reduction on turns
- Dynamic drive system with active side stabilizers
- Powerful 3 kW traction motor
- CAN bus architecture for servicing convenience

### Ideal driving position

The 45° driving position is ideal by providing all-round visibility in either driving direction, thus assuring maximum worksite safety. It also contributes to excellent stability of the truck when cornering.

### Safety compartment

Spacious safety-zone operator compartment. Operator is well protected by high rounded steel chassis panels. No exposure to injury from loads, forks or the like.

### Comfort compartment

The interior of the operator compartment is padded at points of contact with the operator's body and is equipped with a full-suspension platform, the entire surface of which acts as a deadman switch. As a result the operator can

work in total comfort. When more precise maneuvering is required, the operator can easily adopt a forward-facing position.

### Workstation

Includes the back-lit Linde Information Display (LID) and several storage and accessory options to hold writing instruments, shrink wrap, gloves, wrapping tape, cutter, etc. A true workstation, well organized and matched to the work cycle.

### Linde e-driver® control handle

The innovative Linde e-driver® ("e" standing for electronic, ergonomic and efficient) is designed for one-hand operation, leaving the other hand free for secondary tasks. A compact unit, the Linde e-driver® makes sure that the operator remains well protected within the chassis contours at all times.

### Power steering

Effortless proportionally acting power-assisted steering makes the truck very easy to drive when carrying a load due to proportional steering resistance. Together with the self-centering steering, automatic speed reduction during turns ensures perfect safety from start to finish of every run.

### AC drive

The powerful 3 kW AC motor takes the truck to a speed of 10 km/h, loaded or empty, and enables it to climb a 13% grade carrying a full load. Unladen, the truck accelerates to top speed within 5 metres.

### Dynamic drive system

Active side stabilizers provide perfect stability and ground holding. Automatic braking is activated on

releasing the butterfly switch, using no extra energy. The parking brake is electromagnetic and acts proportional to the weight of the load.

### Battery for every power requirement

Lift-out battery change as standard, optionally roll-out change left or right side. User-friendly battery retainer interlock secures battery in place on truck.

### Parameter setting for maximum productivity

Precise load handling and responsive maneuvering through Linde Alternating Current (LAC) drive controller. All components connected through CAN bus to allow electronic management. Using a data cable and laptop computer, the service technician can set all performance parameters to achieve perfect configuration of the truck for the given application. Preventive maintenance can also be carried out in minimum time. Routine service intervals are only every 1,000 operating hours or once a year. Truck uptime is thus maximized.

# Electric Pallet Truck with Rider Platform\*

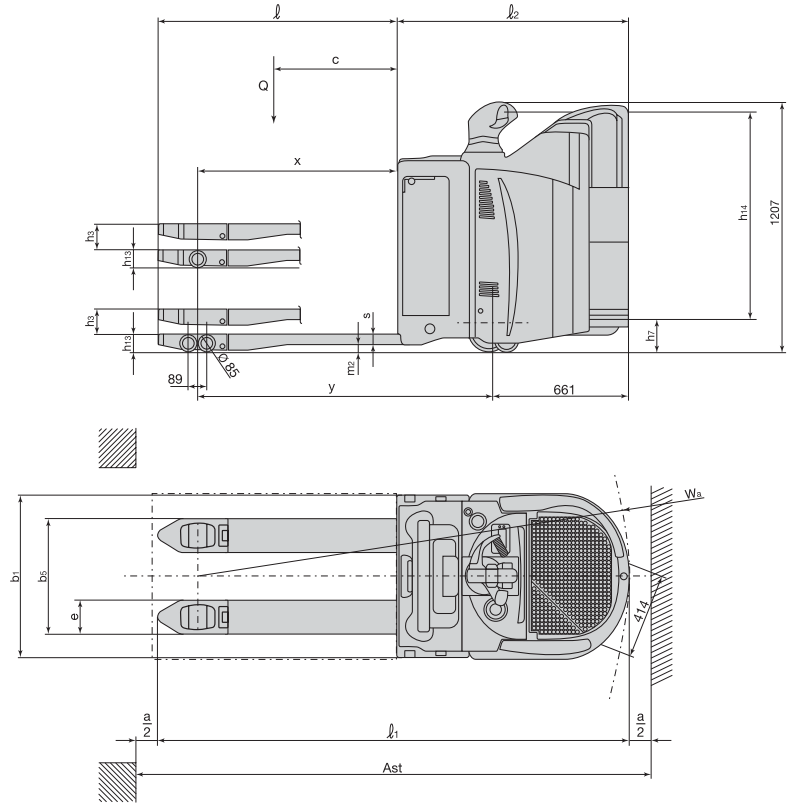
Characteristics	1.1	Manufacturer		LINDE	LINDE
	1.2	Model designation		T 20 SP	T 24 SP
	1.3	Power type		Battery	Battery
	1.4	Control type		Stand-on	Stand-on
	1.5	Load capacity	Q (kg)	2000	2400
	1.6	Load center	c (mm)	600	600
	1.8	Load distance (forks raised/lowered)	x (mm)	895/962	895/962
	1.9	Wheelbase (forks raised/lowered)	y (mm)	1359/1425	1359/1425
Weights	2.1	Service weight (including battery as Line 6.5)	kg	800	800
	2.2	Axle load with load, drive side/load side	kg	1125/1675	1211/1989
	2.3	Axle load without load, drive side/load side	kg	660/140	660/140
Wheels/Tyres	3.1	Tyres (PU = Polyurethane, R = Solid rubber)		R + P/P	R + P/P
	3.2	Tyre size, drive side	mm	Ø 254 x 102	Ø 254 x 102
	3.3	Tyre size, load side	mm	Ø 85 x 105	Ø 85 x 105
	3.4	Additional wheels (dimensions)	mm	Stabilizers Ø 125 x 60	Stabilizers Ø 125 x 60
	3.5	Wheels, number drive side/load side (x = driven)		1x + 2/2	1x + 2/2
	3.6	Track width, drive side	mm	544	544
	3.7	Track width, load side	mm	355/395/515	355/395/515
Dimensions	4.4	Lift	h3 (mm)	125	125
	4.8	Platform height (stand-on position)	h7 (mm)	160	160
	4.9	Control handle height, travel position, min/max	h14 (mm)	1160	1160
	4.15	Lowered fork height	h13 (mm)	85	85
	4.19	Overall length	ℓ1 (mm)	2274	2274
	4.20	Head length	ℓ2 (mm)	1124	1124
	4.21	Overall width	b1 (mm)	790	790
	4.22	Fork dimensions	s/e/ℓ (mm)	55 x 165 x 1150	55 x 165 x 1150
	4.25	Width across forks	b5 (mm)	520/560/680	520/560/680
	4.32	Ground clearance, center of wheelbase, min/max	m2 (mm)	30/155	30/155
	4.33	Aisle width, 1000 x 1200 pallet crosswise	Ast (mm)	2324	2324
	4.34	Aisle width, 800 x 1200 pallet lengthwise	Ast (mm)	2524	2524
4.35	Turning radius (forks raised)	Wa (mm)	2019	2019	
Performance	5.1	Travel speed, with/without load	km/h	10.0/10.0	10.0/10.0
	5.2	Lift speed, with/without load	m/s	0.036/0.043	0.027/0.034
	5.3	Lower speed, with/without load	m/s	0.064/0.060	0.065/0.060
	5.8	Gradeability with/without load	%	13/20	11/20
	5.10	Service brake		Electromagnetic	Electromagnetic
Drive	6.1	Traction motor, 60 min rating	kW	3.0	3.0
	6.2	Lift motor, 15 % on time	kW	1.2	1.2
	6.3	Battery to DIN 43531/35/36 A, B, C, No		DIN 43 535 B	DIN 43 535 B
	6.4	Battery voltage, nominal capacity 5 h rating	V/Ah	24/240	24/240
	6.5	Battery weight	kg	200	200
Other	8.1	Drive controller		LAC Controller	LAC Controller
	8.4	Noise level at operator's ear	dB(A)	< 70	< 70

Figures for standard truck version, may vary according to equipment.

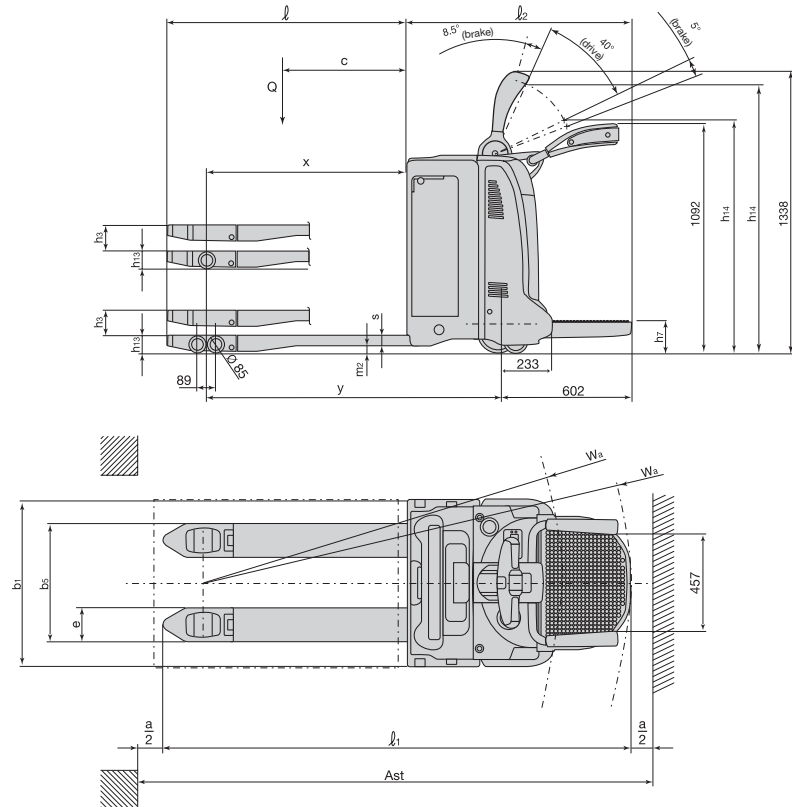
- 1) Platform folded up
- 2) Platform folded down

	LINDE	LINDE
	T 20 AP	T 24 AP
	Battery	Battery
	Stand-on	Stand-on
	2000	2400
	600	600
	895/962	895/962
	1359/1425	1359/1425
	770	770
	1095/1675	1181/1989
	630/140	630/140
	R + P/P	R + P/P
	Ø 254 x 102	Ø 254 x 102
	Ø 85 x 105	Ø 85 x 105
	Stabilizers Ø 125 x 60	Stabilizers Ø 125 x 60
	1x + 2/2	1x + 2/2
	544	544
	355/395/515	355/395/515
	125	125
	160	160
	1103/1287	1103/1287
	85	85
	2216	2216
	697 <sup>1)</sup> /1066 <sup>2)</sup>	697 <sup>1)</sup> /1066 <sup>2)</sup>
	790	790
	55 x 165 x 1150	55 x 165 x 1150
	520/560/680	520/560/680
	30/155	30/155
	1927 <sup>1)</sup> /2264 <sup>2)</sup>	1927 <sup>1)</sup> /2264 <sup>2)</sup>
	2127 <sup>1)</sup> /2464 <sup>2)</sup>	2127 <sup>1)</sup> /2464 <sup>2)</sup>
	1622 <sup>1)</sup> /1959 <sup>2)</sup>	1622 <sup>1)</sup> /1959 <sup>2)</sup>
	10.0/10.0	10.0/10.0
	0.036/0.043	0.027/0.034
	0.064/0.060	0.065/0.060
	13/20	11/20
	Electromagnetic	Electromagnetic
	3.0	3.0
	1.2	1.2
	DIN 43 535 B	DIN 43 535 B
	24/240	24/240
	200	200
	LAC Controller	LAC Controller
	< 70	< 70

T 20 SP  
T 24 SP



T 20 AP  
T 24 AP



$Ast = Wa - x + l_2 + a$   
Safety clearance  $a = 200$  mm



SP



SP



SP



AP

Subject to change in the interests of progress. Illustrations and technical details non-binding. All dimensions subject to customary tolerance.

# Equipment

## Standard equipment

- Ideal 45° driving position (SP)
- Safe operator compartment with wraparound protective panels (SP)
- Comfortable operator compartment with padded rests and cushioned full-suspension platform (SP)
- Back-lit Linde Information Display (LID)
- Generously sized, fully fitted workstation
- One-hand Linde e-driver® control (SP)
- Power-assisted steering with proportional steering resistance
- Self-centering steering (SP)
- Proportional speed reduction on turns
- AC motor
- Automatic braking
- Electromagnetic emergency brake acting proportional to load weight
- Active side stabilizers
- Solid rubber drive wheel
- Polyurethane stabilizer wheels
- Single polyurethane load wheels
- Folding stand platform with side guards (AP)

## Batteries and chargers

- Various battery types: Lead, gel (maintenance-free) or low-maintenance
- Large selection of battery sizes: 180 Ah (2 PzS) to 620 Ah (5 PzS)
- Large selection of standard and rapid chargers

## Optional equipment

- Alternative fork dimensions
- Polyurethane drive wheel, grooved or wet-grip tread
- Tandem polyurethane load wheels with string guard
- Clipboard
- Mount for data terminal or barcode reader
- Clamber pole for second-level order picking
- Cold store version (-30°C protection)
- Battery rollers for side change
- Battery change stand for two batteries
- Battery change trolley