

Multi-pallet transportation  
(of up to 3 pallets)

Ergonomic operator  
position layout

2 drive motors

Lateral battery exchange

360° steering

3-phase AC technology  
(48 V) for high torque and  
dynamic movement



## ESE 533

### Electric sideway-seated pallet truck (3,300 kg)

Our ESE 533 electric sideway seated pallet truck is ideal for multi-pallet transport over long distances. Their 48-volt 3-phase AC motors ensure smooth starts, powerful acceleration and high maximum speeds. They thus provide the perfect basis for high throughput rates.

This high performance level is extremely easy to achieve and with high levels of safety: The travel speed, brakes and dead man's switch are all controlled by easily reached pedals. All other functions can be controlled from the convenient control unit.

The optional height-adjustable footplate and the adjustable steering wheel ensure a comfortable seating position for all operators. The 360° steering mode allows shunting by continu-

ous changes of direction of travel with only a few turns of the steering wheel. The changeover between forward and reverse can also be performed simply by pressing a button.

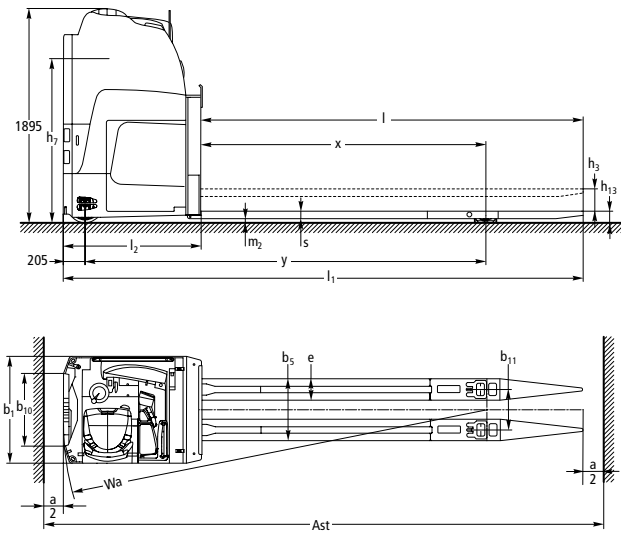
The large display offers a quick overview of the steering setting, battery status and the available travel programs.

In addition they offer the advantages of a sturdy design: The frame and load sections are designed for capacities up to 3,300 kg.

The ESE 533 draws its energy for even the most intensive applications from high-power batteries with a capacity of up to 1.0 Ah.

**JUNGHEINRICH**

# ESE 533



# Technical data in line with VDI 2198

Identification	1.1	Manufacturer (abbreviation)		Jungheinrich
	1.2	Model		<b>ESE 533</b>
	1.3	Drive		Electric
	1.4	Manual, pedestrian, stand-on, seated, order picker operation		seat
	1.5	Load capacity/rated load	Q t	3.3
	1.6	Load centre distance	c mm	1,800
	1.8	Load distance	x mm	2,630
	1.9	Wheelbase	y mm	3,770 / 3,720 <sup>1)</sup>
	Weights	2.1.1	Net weight incl. battery (see row 6.5)	kg
2.2		Axle loading, laden front/rear	kg	3,460 / 3,320
2.3		Axle loading, unladen front/rear	kg	2,750 / 730
Wheels / frame	3.1	Tyres		Vulkollan
	3.2	Tyre size, front	mm	Ø 343 x 140
	3.3	Tyre size, rear	mm	Ø 90 x 100
	3.5	Wheels, number front/rear (x = driven wheels)		2x / 4
	3.6	Tread width, front	b <sub>10</sub> mm	592
	3.7	Tread width, rear	b <sub>11</sub> mm	380
	Basic dimensions	4.4	Lift	h <sub>3</sub> mm
4.8		Seat height/standing height	h <sub>7</sub> mm	1,470
4.15		Height, lowered	h <sub>13</sub> mm	95
4.19.1		total length (long)	mm	4,895
4.20		Length including fork shank	l <sub>2</sub> mm	1,295
4.21		Overall width	b <sub>1</sub> /b <sub>2</sub> mm	1,000
4.22		Fork dimensions	s/e/l mm	70 / 200 / 3,600
4.25		Width across forks	b <sub>5</sub> mm	580
4.32		Ground clearance, centre of wheelbase	m <sub>2</sub> mm	20
4.34		Aisle width for pallets 800 x 1200 lengthways	Ast mm	5,196
4.35	Turning radius	W <sub>a</sub> mm	3,982 / 3,922 <sup>1)</sup>	
Performance data	5.1	Travel speed, laden/unladen	km/h	19 / 20
	5.2	Lift speed, laden/unladen	m/s	0.056 / 0.06
	5.3	Lowering speed, laden/unladen	m/s	0.052 / 0.05
	5.7	Gradeability, laden/unladen	%	5 / 10
	5.10	Service brake		electric
Electrics	6.1	Drive motor, output S2 60 min.	kW	6.9 / 6,9 <sup>2)</sup>
	6.2	Lift motor, output at S3 15%	kW	3.0
	6.3	Battery as per DIN 43531/35/36 A, B, C, no		no
	6.4	Battery voltage/nominal capacity K5	V/Ah	48 / 1,000
	6.5	Battery weight	kg	1,450
Misc.	8.1	Type of drive control		Mosfet / AC

<sup>1)</sup> Lowered / raised

<sup>2)</sup> Performance of 1st motor / performance of 2nd motor

In accordance with VDI Guideline 2198 this data sheet provides details of the standard truck only. Non-standard tyres, different masts, optional equipment etc. may result in different values.

# Benefit from the advantages



Optimal arrangement of controls



Generous legroom with individual foot height adjustment



Large service points allow easy access to all main components



Comfort charging

## Greater efficiency with three-phase AC technology

Powerful three-phase AC technology offers a whole range of advantages compared with conventional DC motors:

- Powerful acceleration.
- No carbon brushes – maintenance-free drive motor.
- Energy recovery with regenerative braking.

## Ergonomic cockpit

The operator position provides the ideal working conditions for relaxed, high performance. Its strengths:

- Adjustable seat (seating position / body weight) for all operators.
- Individual foot height adjustment.
- Important controls within easy reach.
- Generous space.
- 360° 3-phase steering with optimised steering wheel position.
- Steering wheel adjustment.

## Easy operation with soloPILOT

The control lever for activating all hydraulic functions is also used for selecting the direction of travel and activation of the horn.

- All controls are within the operator's field of vision and a single function is clearly assigned to each one.
- Comfortable armrest.

## Load sections for lifting pallets lengthways and traverse

The load sections come in different versions to suit different applications:

- Crossways and lengthways pallet lifting.
- Various fork lengths.

## Reduced maintenance costs

Service-friendly components and a robust design from top to bottom ensure lower maintenance costs in the long term:

- The drawbars are easy to adjust.

- Quick access to all components through large, easy to open service hatches.
- Thermal separation of drive motor, hydraulics and electrical systems.
- Maintenance-free 3-phase AC drive motor without carbon brushes.

## Powerful batteries

- 48 V /1000 Ah EPzB.
- Lateral battery exchange.

## Easy-to-read operator display

High-quality control instrument for displaying the most important operating data:

- Display of direction of travel and wheel position.
- Battery status with residual time display.
- Speed.
- Elapsed distance.
- 3 adjustable travel programs for individual adjustment to any requirements.
- Operating hours and time of day.

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The German production facilities in Norderstedt, Moosburg and Landsberg are certified. **ISO 9001**  
**ISO 14001**

Jungheinrich fork lift trucks meet European safety requirements.



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