

Patented ProTracLink  
support wheel system

Crawl speed button

Level adjustment with ramp lift

Robust and powerful



## EJE 220r/225r

### Electric pedestrian pallet truck (2,000/2,500 kg)

The EJE Series 2 pallet trucks are used when maximum throughput is required: For HGV loading and unloading using the ramp. The additional patented ramp lift which works independently from the normal lift, facilitates trouble-free loading and unloading of the first row of pallets in HGVs. This allows for level adjustment on ramps with gradients up to 15 %.

The EJE 2 has special features:

- Powerful, innovative 1.6 kW 3-phase AC drive motor for maximum throughput.
- Extremely durable frame for exceptionally high operational demands.
- State-of-the-art control electronics for perfect handling.
- Excellent energy management for low operating costs.
- Large batteries for long operating times.

It also offers ergonomic advantages. The low-mounted long tiller ensures safe operation by maintaining adequate distance

between the operator and truck. The crawl button assists in extremely confined areas. It allows the truck to travel at an automatically reduced speed with the tiller upright.

The EJE can be equipped with batteries up to 375 Ah. In combination with state-of-the-art and economical 3-phase AC technology, longer operating times are achieved than with conventional technology. With the option of lateral battery exchange, multi-shift operation up to 24 hours is easily achievable.

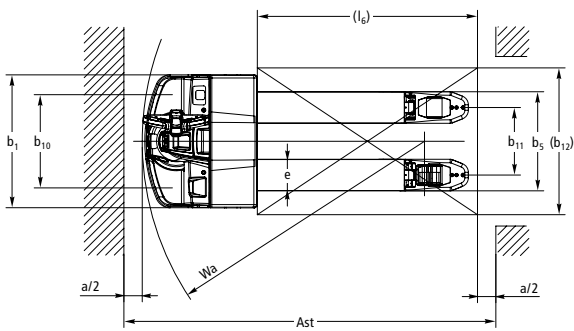
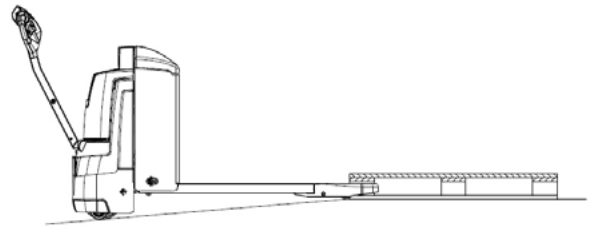
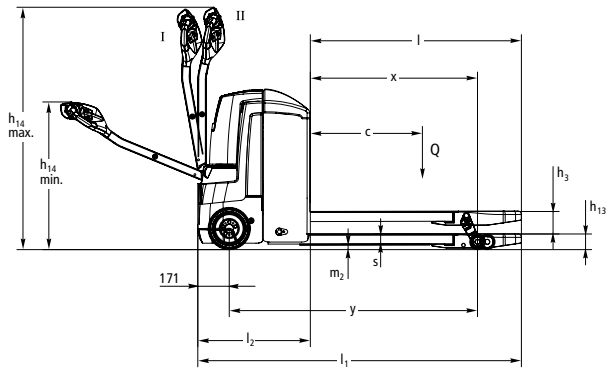
The completely redeveloped multi-function tiller head is full of innovations:

Sealed sensor system (IP 65) for maximum breakdown.

- Contact-free electronic rocker switches for ergonomically perfect operation with every tiller position.
- Ergonomically arranged switches.

 **JUNGHEINRICH**

# EJE 220r/225r



I = Normal travel position; II = Crawl speed travel position



# Technical data in line with VDI 2198

			Jungheinrich					
			EJE 220r	EJE 225r				
Identification	1.1	Manufacturer (abbreviation)						
	1.2	Model						
	1.3	Drive	Electric					
	1.4	Manual, pedestrian, stand-on, seated, order picker operation	pedestrian					
	1.5	Load capacity/rated load	Q	t	2	2.5		
	1.6	Load centre distance	c	mm	600			
	1.8	Load distance	x	mm	911 <sup>3)</sup>			
	1.9	Wheelbase	y	mm	1,353 <sup>3)</sup>	1,425 <sup>3)</sup>		
	Weights	2.1.1	Net weight incl. battery (see row 6.5)			kg	560	667
2.2		Axle loading, laden front/rear			kg	886 / 1,674	1,044 / 2,123	
2.3		Axle loading, unladen front/rear			kg	433 / 127	507 / 160	
Wheels / frame	3.1	Tyres			PU / VU			
	3.2	Tyre size, front			Ø 230 x 70			
	3.3	Tyre size, rear			Ø 85 x 110			
	3.4	Additional wheels (dimensions)			Ø 100 x 40			
	3.5	Wheels, number front/rear (x = driven wheels)			1x +2			
	3.6	Tread width, front	b <sub>10</sub>	mm	508			
	3.7	Tread width, rear	b <sub>11</sub>	mm	368			
Basic dimensions	4.4	Lift			h <sub>3</sub>	mm	122	
	4.9	Height of tiller in drive position min. / max.			h <sub>14</sub>	mm	805 / 1,321	
	4.15	Height, lowered			h <sub>13</sub>	mm	85	
	4.19	Overall length			l <sub>1</sub>	mm	1,763	1,835
	4.20	Length including fork shank			l <sub>2</sub>	mm	613	685
	4.21	Overall width			b <sub>1</sub> /b <sub>2</sub>	mm	720	
	4.22	Fork dimensions			s/e/l	mm	55 / 172 / 1,150	
	4.25	Width across forks			b <sub>5</sub>	mm	540	
	4.32	Ground clearance, centre of wheelbase			m <sub>2</sub>	mm	30	
4.33	Aisle width for pallets 1000 x 1200 crossways			Ast	mm	1,977 <sup>2)</sup>	2,049 <sup>2)</sup>	
4.34	Aisle width for pallets 800 x 1200 lengthways			Ast	mm	2,027 <sup>1)</sup>	2,099 <sup>1)</sup>	
4.35	Turning radius			W <sub>a</sub>	mm	1,538 <sup>3)</sup>	1,610 <sup>3)</sup>	
Performance data	5.1	Travel speed, laden/unladen			km/h		6 / 6	
	5.2	Lift speed, laden/unladen			m/s		0.04 / 0.06	0.03 / 0.06
	5.3	Lowering speed, laden/unladen			m/s		0.05 / 0.05	
	5.8	Max. gradeability, laden/unladen			%		10 / 20	8 / 20
	5.10	Service brake					electric	
Electrics	6.1	Drive motor, output S2 60 min.			kW		1.6	
	6.2	Lift motor, output at S3 10%			kW		1.5	
	6.3	Battery as per DIN 43531/35/36 A, B, C, no					B	
	6.4	Battery voltage/nominal capacity K5			V/Ah		24 / 250	24 / 375
	6.5	Battery weight			kg		220	288
Misc.	8.1	Type of drive control					AC speedCONTROL	
	8.4	Sound pressure level at operator's ear as per EN 12053			dB (A)		70	

<sup>1)</sup> Diagonal as per VDI: + 204 mm

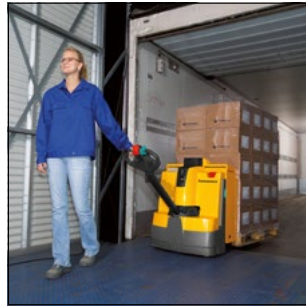
<sup>2)</sup> Diagonal as per VDI: + 366 mm

<sup>3)</sup> Load section lowered: + 55 mm

# Benefit from the advantages



Application in block warehouse



The EJE unloading an HGV



Ergonomic tiller arm



Activated ramp lift

## Level adjustment with ramp lift

In addition to the normal lift, the trucks are fitted with a patented ramp lift. This allows for level adjustment on ramps with gradients up to 15 %. The ramp lift works separately from the normal lift. It enables the first pallet row in HGVs to be loaded and unloaded easily.

## Innovative 3-phase AC technology

Our 3-phase AC technology motors offer you more power and performance, while at the same time reducing operating costs:

- High efficiency levels with excellent energy management.
- Strong acceleration even at maximum load.
- Intuitive, and fast to change direction of travel.
- No carbon brushes – maintenance-free drive motor.
- 2-year warranty on the drive motor.

## Robust design for the toughest applications

- 8 mm high-grade steel apron on the front of the frame.
- Reinforced fork construction for high capacities.

## Optimum cornering

Sprung and cushioned support wheels – linked via the ProTraLink torsion bar

– distribute equalising forces dependent on travel conditions i.e. evenly across all wheels during straight-line travel; concentrated on the outer support wheel during cornering. Thanks to level equalisation, ProTraLink also ensures minimum support wheel wear when approaching ramps at an angle: The two castor wheels are mechanically linked which keeps them both at the same height, giving the truck high stability. The lower support wheel does not touch at any point avoiding damage.

## Work ergonomically

The newly developed tiller head is perfectly adapted to the ergonomic needs of the operator:

- A clear colour coding system and buttons with abrasion-resistant symbols make for intuitive operation.
- Grip angle to suit the hand position of the operator.
- Crawl speed button underneath the tiller arm for easy access and travelling with the tiller upright.
- Rocker switch for consistent operation in all tiller positions.
- The tiller also has excellent protection against breakdown with contactless sensor technology, protected according to IP 65.

## Long operating times available with lead-acid battery

Battery capacities up to 375 Ah guarantee long operating times:

- Short version: 2 PzS 180 Ah/250 Ah.
- Long version: 3 PzS 375 Ah.
- Built-in charger (24 V/30 A for wet cell batteries and maintenance-free batteries) allows simple recharging of the battery at any mains socket (optional).
- Side battery changing for multi-shift applications (optional).

## Additional equipment

- Cold store version.
- Load guard.

## Lithium-ion technology

- High degree of availability thanks to extremely short charging times.
- No battery exchange required.
- Cost savings due to longer service life and low maintenance compared with lead-acid batteries.
- No charging rooms and ventilation required as there is no build up of gas.
- Longer service life with 5-year Jungheinrich guarantee.

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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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