

**Robust and powerful
for the toughest applications**

**Excellent stability whilst
cornering with "ProTracLink"**

**Full manoeuvrability with the
tiller arm in an upright position
using the crawl speed button**

**Multi-shift operation with side
battery changing (optional)**



EJE 220/225/235

Electric pedestrian controlled pallet truck (2000/2500/3500 kg)

The EJE series 2 pallet trucks are extremely powerful. They are ideal where high productivity and throughput are required. The advantages of the EJE come particularly to the forefront during lorry loading and unloading ramps, in hard continuous operation with heavy loads.

- Powerful 1.6 kW drive motor and innovative 3rd Generation AC technology for high productivity and throughput.
- High capacity and powerful lift motor.
- An especially robust chassis to meet the highest operational demands.
- State of the art electronic controller for smooth and low cost operation.

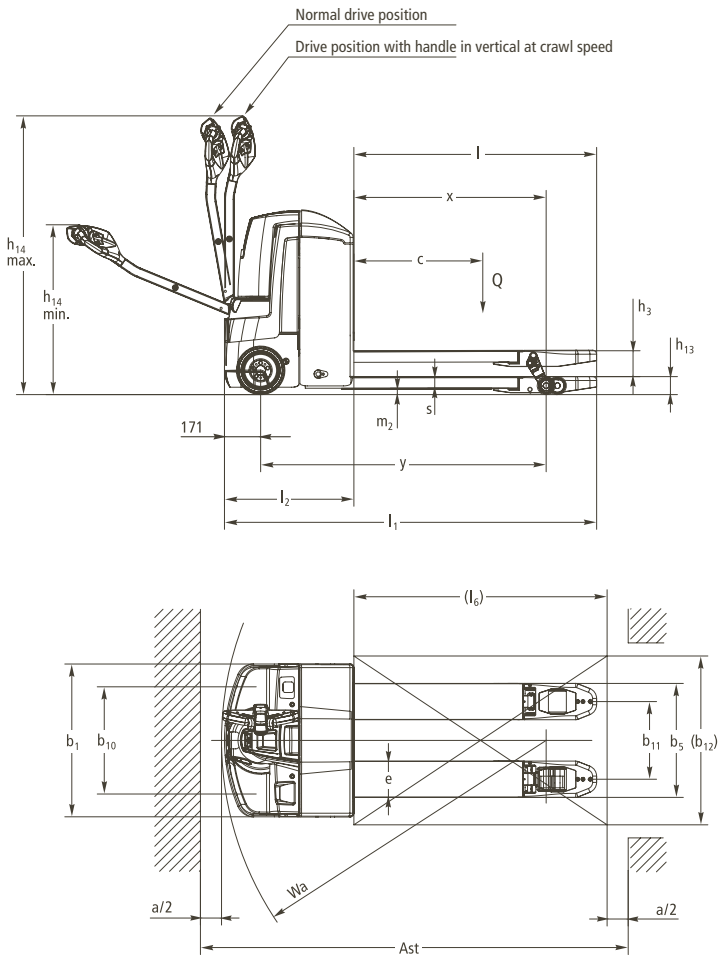
- Excellent energy consumption for low operating costs.
- Large battery for longer operating times.

Also, the ergonomic advantages: the low-point long tiller arm keeps the operator at a safe distance and ensures safe operation. In very confined areas, the crawl button assists the operator to safely manoeuvre the truck at an automatically reduced travel speed with the tiller in the upright position. The EJE can be equipped with batteries up to 375 Ah and in combination with state of art, energy conscious AC technology, longer operating times are

possible in comparison to conventional motors. With the option of side battery removal, multi-shift operation up to 24 hours is easily achievable.

The completely redeveloped tiller control head is full of new innovations; sealed switches (IP 65) for reliability, rocker switches with contactless electronics allowing easy operation in every tiller position. All control switches are clearly arranged for the easiest operation.

EJE 220/225/235



Technical data in line with VDI 2198 as at: 04/2008

Identification	1.1	Manufacturer (abbreviation)	Jungheinrich	Jungheinrich	Jungheinrich	1.1	
	1.2	Manufacturer's type designation	EJE 220	EJE 225	EJE 235	1.2	
	1.3	Drive	electric	electric	electric	1.3	
	1.4	Operator type	pedestrian	pedestrian	pedestrian	1.4	
	1.5	Load capacity/rated load	Q (t)	2.0	2.5	3.5	1.5
	1.6	Load centre distance	c (mm)	600	600	600	1.6
	1.8	Load distance, centre of drive axle to fork	x (mm)	911 ¹⁾	911 ¹⁾	911 ¹⁾	1.8
	1.9	Wheelbase	y (mm)	1353 ¹⁾	1353/1425 ¹⁾	1353 ¹⁾	1.9
	Weights	2.1	Service weight incl. battery (see line 6.5)	kg	540	647	647
2.2		Axle loading, laden front/rear	kg	876/1664	1034/2113	1034/2113	2.2
2.3		Axle loading, unladen front/rear	kg	423/117	497/150	497/150	2.3
Wheels, Chassis	3.1	Tyres	PU/Vulkollan®	PU/Vulkollan®	PU/Vulkollan®	3.1	
	3.2	Tyre size, front	230x70	230x70	230x70	3.2	
	3.3	Tyre size, rear	85x110	85x110	85x85	3.3	
	3.4	Additional wheels (dimensions)	100x40	100x40	100x40	3.4	
	3.5	Wheels, number front rear (x = driven wheels)	1x + 2	1x + 2	1x + 2	3.5	
	3.6	Tread, front	b ₁₀ (mm)	508	508	508	3.6
	3.7	Tread, rear	b ₁₁ (mm)	368	368	368	3.7
Basic Dimensions	4.4	Lift	h ₃ (mm)	122	122	122	4.4
	4.9	Height of tiller in drive position min./max.	h ₁₄ (mm)	805/1321	805/1321	805/1321	4.9
	4.15	Height, lowered	h ₁₃ (mm)	85	85	85	4.15
	4.19	Overall length	l ₁ (mm)	1763	1763/1835	1763	4.19
	4.20	Length to face of forks	l ₂ (mm)	613	613/685	613	4.20
	4.21	Overall width	b ₁ (mm)	720	720	720	4.21
	4.22	Fork dimensions	s/e/l (mm)	55/172/1150	55/172/1150	55/172/1150	4.22
	4.25	Distance between fork-arms	b ₅ (mm)	540	540	540	4.25
	4.32	Ground clearance, centre of wheelbase	m ₂ (mm)	30	30	30	4.32
	4.33	Aisle width for pallets 1000x1200 crossways	Ast (mm)	1977 ²⁾	1977/2049 ²⁾	1977 ²⁾	4.33
	4.34	Aisle width for pallets 800x1200 lengthways	Ast (mm)	2027 ³⁾	2027/2099 ³⁾	2027 ³⁾	4.34
4.35	Turning radius	Wa (mm)	1538 ¹⁾	1538/1610 ¹⁾	1538 ¹⁾	4.35	
Performance Data	5.1	Travel speed, laden/unladen	km/h	6.0/6.0	6.0/6.0	6.0/6.0	5.1
	5.2	Lift speed, laden/unladen	m/s	0.04/0.06	0.03/0.06	0.03/0.06	5.2
	5.3	Lowering speed, laden/unladen	m/s	0.05/0.05	0.05/0.05	0.05/0.05	5.3
	5.8	Max. gradeability, laden/unladen	%	10/20	8/20	5/20	5.8
	5.10	Service brake		electric	electric	electric	5.10
Electric Engine	6.1	Drive motor rating S ₂ 60 min.	kW	1.6	1.6	1.6	6.1
	6.2	Lift motor rating at S ₃ 10 %	kW	1.5	1.5	1.5	6.2
	6.3	Battery acc. to DIN 43531/35/36 A, B, C, no		DIN B	DIN B	DIN B	6.3
	6.4	Battery voltage, nominal capacity K _s	V/Ah	24/250	24/250 24/375	24/250	6.4
	6.5	Battery weight	kg	220	220 288	220	6.5
Others	8.1	Type of drive control		AC SpeedControl	AC SpeedControl	AC SpeedControl	8.1
	8.4	Sound level at the driver's ear according to EN 12 053	dB(A)	70	70	70	8.4

- 1) load section lowered: + 55 mm
 2) diagonal according to VDI: + 366 mm
 3) diagonal according to VDI: + 204 mm

Make use of the advantages

Innovative 3rd Generation AC technology

Jungheinrich AC technology motors offer high performance and at the same time, reduce operating costs:

- Higher efficiency with excellent energy consumption.
- Strong acceleration even at maximum load.
- Faster travel direction change without delay.
- No carbon brushes – the drive motor is maintenance free.
- 2 year guarantee on the drive motor.



Application in block stored warehouse

Robust construction for the hardest applications

- 8 mm high quality steel apron on the front of the chassis.
- Reinforced fork construction for high carrying capacity.

- Suspended drive transmission compensates for shocks even under heavy load conditions (only EJE 235).

Safe cornering

The spring mounted and damped support wheels – connected by the torsion bar suspension system "ProTracLink" – evenly distribute pressure in every travel situation; evenly on all wheels during straight travel or concentrated on the outer support wheel during cornering. "ProTracLink" ensures minimum wear and tear in cases of diagonal approach onto the ramp. The mechanical suspension link keeps both support wheels firmly on the ground therefore reducing the chance of crushing and damage to the lower support wheel.

Ergonomic operation

The new generation multifunction tiller arm head meets the ergonomic demands of the operator.

- Clearly colour coded buttons with abrasion resistant symbols for intuitive control.
- A grip with close affinity to the hand posture of the operator.



Ergonomic tiller arm head



The EJE unloading a lorry

- Crawl button on the underside of the tiller arm control head for easy operation when the tiller is in the upright position.
- Rocker switches for comfortable operation in every tiller arm position.
- The tiller also has excellent protection against breakdown with contactless sensor technology, protected according to IP 65.

Longer operating times

Battery capacities to 375 Ah ensure long operating times.

- Short version 2 EPzS 180/250 Ah.
- Long version 3 EPzS 375 Ah (only EJE 225).
- Integrated battery charger (24 V/30 A for lead-acid and maintenance free batteries) for simple charging of the battery from any mains socket (optional).
- Side battery changing for multi-shift applications (optional).

Additional options

- Cold store design.
- Entry rollers.
- Load protection guard.

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