

3-phase AC drive motor

Crawl speed button for full manoeuvrability with tiller upright

Optimum driving characteristics with ProTracLink

Exact load positioning

Multifunctional tiller arm for intuitive operation



EJD 220

Electric pedestrian controlled truck (2,000 kg)

The EJD 220 is a multi-talented truck when it comes to the handling of loads. It combines the features of a pedestrian pallet truck and stacker in one truck: From loading and unloading HGVs to the transporting and stacking of pallets (max. 2560 mm lift height), it really is a convincingly flexible truck.

Its greatest advantage: As a double-deck stacker, it is able to lift 2 Euro pallets at the same time. All operations can therefore be performed twice as quickly in comparison with a conventional low lift/stacker truck. The EJD can carry 2000 kg when used as a low lift pallet truck, 1000 kg with the forks raised or 2 x 1000 kg in double-deck operation.

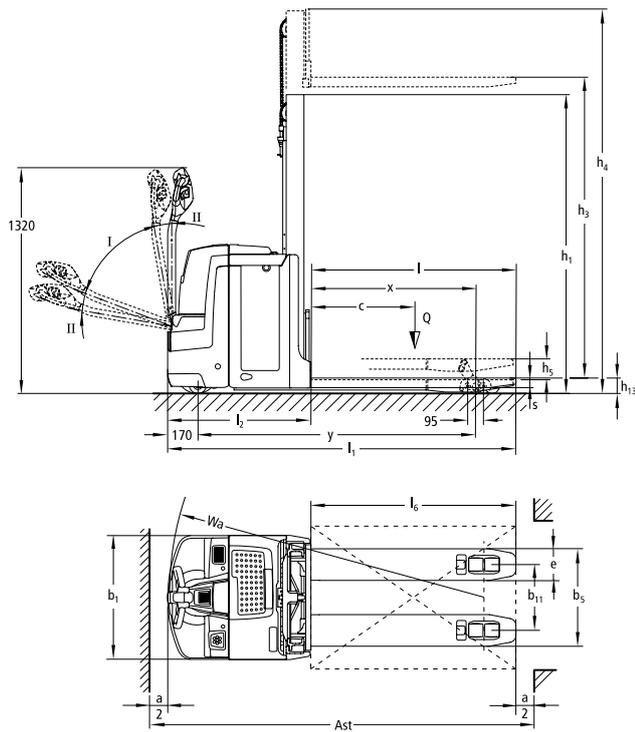
The EJD is an extremely powerful and reliable truck: The robust 8-mm frame, the powerful 1.6-kW drive with the latest 3-phase

AC technology, batteries up to 375 Ah and lateral exchange, as well as the rigid mast ensure extremely efficient operation in even the most demanding environments.

The patented ProTracLink support wheel system with hydraulic locking ensures the necessary stability and safe travel. The lifting support arms also contribute to safe travel, for instance on thresholds, ramps and uneven floors. They increase the floor clearance, thereby ensuring simple and safe crossing.

And if space becomes too cramped on HGVs or in narrow aisles, the crawl speed button facilitates safe travel with the tiller in the upright position. At the touch of a button, the brake is released and activation of the travel switch automatically reduces the speed of travel significantly.

EJD 220



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

Standard mast designs EJD 220				
	Lift h_3 (mm)	Lowered mast height h_1 (mm)	Free lift h_2 (mm)	Extended mast height h_4 (mm)
Duplex ZT	1660	1350	100	2150
	2010	1530	100	2500
	2100	1570	100	2590
	2560	1810	100	3050
Triplex DT	2050	1216	100	2540
	2350	1314	100	2840
	2500	1366	100	2990

Technical data in line with VDI 2198

Identification	1.1	Manufacturer (abbreviation)		Jungheinrich
	1.2	Model		EJD 220
	1.3	Drive		Electric
	1.4	Manual, pedestrian, stand-on, seated, order picker operation		pedestrian
	1.5	Load capacity/rated load	Q t	2
	1.5.1	Load capacity/load with mast lift	Q t	1
	1.5.2	Load capacity/load with support arm lift	Q t	2
	1.6	Load centre distance	c mm	600
	1.8	Load distance	x mm	957 ³⁾
1.9	Wheelbase	y mm	1,617 ³⁾⁴⁾	
Weights	2.1.1	Net weight incl. battery (see row 6.5)	kg	945
	2.2	Axle loading, laden front/rear	kg	1,120 / 1,825
	2.3	Axle loading, unladen front/rear	kg	665 / 280
Wheels / frame	3.1	Tyres		PU
	3.2	Tyre size, front	mm	Ø 230 x 70
	3.3	Tyre size, rear	mm	Ø 85 x 95 / Ø 85 x 75
	3.4	Additional wheels (dimensions)	mm	100 x 40
	3.5	Wheels, number front/rear (x = driven wheels)		1x +2/2 or 4
	3.6	Tread width, front	b ₁₀ mm	508
	3.7	Tread width, rear	b ₁₁ mm	385
Basic dimensions	4.4	Lift	h ₃ mm	1,660
	4.6	Initial lift	h ₅ mm	122
	4.9	Height of tiller in drive position min. / max.	h ₁₄ mm	711 / 1,320
	4.15	Height, lowered	h ₁₃ mm	90
	4.19	Overall length	l ₁ mm	2,022 ⁴⁾
	4.20	Length to face of forks	l ₂ mm	832 ⁴⁾
	4.21	Overall width	b ₁ /b ₂ mm	726
	4.22	Fork dimensions	s/e/l mm	56 / 185 / 1,190
	4.25	Width across forks	b ₅ mm	570
	4.32	Ground clearance, centre of wheelbase	m ₂ mm	20
	4.33	Aisle width for pallets 1000 x 1200 crossways	Ast mm	2,233 ²⁾
4.34	Aisle width for pallets 800 x 1200 lengthways	Ast mm	2,243 ¹⁾	
4.35	Turning radius	W _s mm	1,800 ³⁾⁴⁾	
Performance data	5.1	Travel speed, laden/unladen	km/h	6 / 6
	5.2	Lift speed, laden/unladen	m/s	0.14 / 0.25
	5.3	Lowering speed, laden/unladen	m/s	0.25 / 0.25
	5.8	Max. gradeability, laden/unladen	%	9 / 15
	5.10	Service brake		regenerative
Electrics	6.1	Drive motor, output S2 60 min.	kW	1.6
	6.2	Lift motor, output at S3 (on time) 12%	kW	2
	6.3	Battery as per DIN 43531/35/36 A, B, C, no		B 43535
	6.4	Battery voltage/nominal capacity K5	V/Ah	24 / 250
	6.5	Battery weight	kg	220
	6.6	Energy consumption as per EN 16796	kWh/h	0.59
		CO- Equivalent as per EN 16796	kg/h	0.3
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

¹⁾ Diagonal as per VDI: + 225 mm

²⁾ Diagonal as per VDI: + 369 mm

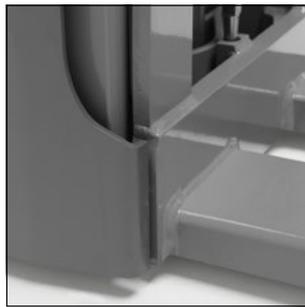
³⁾ Load section lowered: + 48 mm

⁴⁾ With long battery compartment L (375 Ah) + 72 mm

Benefit from the advantages



Double-deck HGV loading



Precise operation with the pallet stop



Perfectly informed with the 2-inch display (optional)



Stacking pallets

Intelligent control and drive technology

Our 3-phase AC motors and controllers offer higher performance levels while simultaneously reducing operating costs. The advantages are:

- High efficiency levels with excellent energy management.
- Powerful acceleration.
- Maintenance-free drive motor with no carbon brushes.
- Drive motor and controller perfectly matched thanks to in-house production.

Solutions to ensure comfortable working

All lifting/lowering functions are easily controlled from the multifunctional tiller arm, allowing the operator to focus entirely on stacking/retrieval. Other features that make stacking and retrieving particularly safe and efficient include:

- Precise and gentle lifting of the load by speed-controlled hydraulic motor.
- Gentle depositing of loads using proportional hydraulics.
- Long safety tiller provides sufficient distance between operator and truck.
- Crawl speed button for travelling in restricted spaces with tiller in upright position.

Optimum cornering and stable handling

Linked via the ProTraLink torsion bar, the sprung and cushioned support wheels

distribute equalising forces dependent on travel conditions – evenly across all wheels during straight-line travel; concentrated on the outer support wheel during cornering. Another advantage: Reduced support wheel wear when approaching ramps at an angle thanks to level equalisation: A mechanical link keeps both support wheels at the same height, ensuring no impact from the lower support wheel and therefore reducing damage.

Work in comfort

The EJD is ideally suited for double pallet handling. It has been robustly designed for high performance operation. Other advantages:

- Robust mast: Maximum load for support arm lift 2000 kg, for mast lift 1000 kg.
- Outstanding view of the forks over profiled battery cover.
- A support arm stop ensures consistently precise positioning of 2 pallets on the forks.
- High-performance lift motor copes easily with very heavy loads.
- Large detachable storage compartment and clip pad for storage.

Fully informed at all times

The central display and adjustment instrument offers a complete overview:

- Activation of the truck by EasyAccess via softkey, PIN code or optional transponder card.

- The 2-inch display provides information on the battery discharge status, number of operating hours, travel speed as well as error codes and offers the option of selecting from three travel programs via softkey (optional).

Long operating times available with lead-acid battery

The energy-saving 3-phase AC technology in combination with battery capacities of up to 375 Ah is a sure guarantee for long operating times:

- Lateral battery exchange option for rapid replacement in a multi-shift environment.
- Built-in charger (24 V/30 A for wet cell batteries and maintenance-free batteries) for easy charging at any mains socket (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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