

3-phase AC motor for maximum performance and low energy consumption

Precise load positioning with sensitive lifting and lowering of the load

Fully manoeuvrable with tiller in upright position due to crawl speed button

Optimum driving characteristics with fixed ProTracLink torsion bar

Multifunction tiller arm for intuitive operation



## EJD 220

### Electric pedestrian stacker (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 offloading 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 two Euro pallets at the same time. All operations can therefore be performed twice as quickly in comparison with a conventional pedestrian pallet truck or stacker. The EJD can carry 2000 kg when used as a pallet truck, 1000 kg with the forks raised or 2 x 1000 kg in double-deck operation.

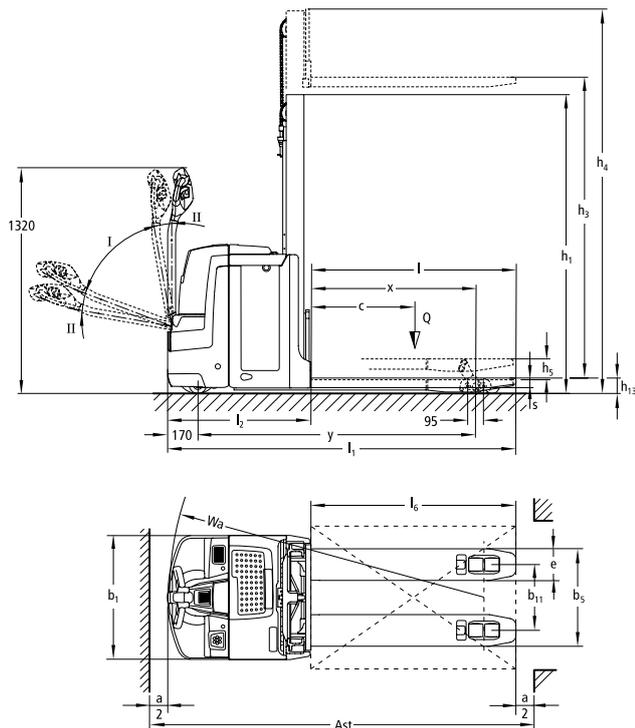
The EJD is an extremely sturdy and reliable truck: The robust 8 mm frame, the powerful 1.6 kW drive with the latest 3-phase AC technology, batteries up to 375 Ah and lateral exchange as well

as the rigid mast ensure extremely efficient operation in even the most demanding environments.

The patented ProTracLink support wheel system with hydraulic locking is an absolute must for ensuring stability and safe travel on ramps and loading platforms.

The raising support arms also contribute to safe travel, for instance on thresholds, ramps and uneven floors. They increase the floor clearance and thus ensure 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. A touch of the button is sufficient: The brake is released and activation of the travel switch automatically reduced the speed of travel.

# EJD 220



I = Travel range; II = Crawl speed range

| Standard mast designs EJD 220 |                       |                                      |                            |                                       |
|-------------------------------|-----------------------|--------------------------------------|----------------------------|---------------------------------------|
|                               | Lift<br>$h_3$<br>(mm) | Lowered mast height<br>$h_1$<br>(mm) | Free lift<br>$h_2$<br>(mm) | Extended mast height<br>$h_4$<br>(mm) |
| Duplex ZT                     | 1660                  | 1350                                 | 100                        | 2150                                  |
|                               | 2010                  | 1530                                 | 100                        | 2500                                  |
|                               | 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                                                        |                                   | <b>EJD 220</b>        |
|                  | 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/mast lift                                      | Q t                               | 1                     |
|                  | 1.5.2                                         | Load capacity/support arm lift                               | Q t                               | 2                     |
|                  | 1.6                                           | Load centre distance                                         | c mm                              | 600                   |
|                  | 1.8                                           | Load distance                                                | x mm                              | 957 <sup>3)</sup>     |
| 1.9              | Wheelbase                                     | y mm                                                         | 1,617 <sup>3)4)</sup>             |                       |
| Weights          | 2.1.1                                         | Net weight incl. battery (see row 6.5)                       | kg                                | 945                   |
|                  | 2.2                                           | Axle load with load front/rear                               | kg                                | 1,120 / 1,825         |
|                  | 2.3                                           | Axle load without load 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 <sub>10</sub> mm                | 508                   |
|                  | 3.7                                           | Tread width, rear                                            | b <sub>11</sub> mm                | 385                   |
| Basic dimensions | 4.4                                           | Lift                                                         | h <sub>3</sub> mm                 | 1,660                 |
|                  | 4.6                                           | Initial lift                                                 | h <sub>5</sub> mm                 | 122                   |
|                  | 4.9                                           | Height of tiller in drive position min. / max.               | h <sub>14</sub> mm                | 711 / 1,320           |
|                  | 4.15                                          | Height, lowered                                              | h <sub>13</sub> mm                | 90                    |
|                  | 4.19                                          | Overall length                                               | l <sub>1</sub> mm                 | 2,022 <sup>4)</sup>   |
|                  | 4.20                                          | Length to face of forks                                      | l <sub>2</sub> mm                 | 832 <sup>4)</sup>     |
|                  | 4.21                                          | Overall width                                                | b <sub>1</sub> /b <sub>2</sub> mm | 726                   |
|                  | 4.22                                          | Fork dimensions                                              | s/e/l mm                          | 56 / 185 / 1,190      |
|                  | 4.25                                          | Width across forks                                           | b <sub>5</sub> mm                 | 570                   |
|                  | 4.32                                          | Ground clearance, centre of wheelbase                        | m <sub>2</sub> mm                 | 20                    |
|                  | 4.33                                          | Aisle width for pallets 1000 x 1200 sideways                 | Ast mm                            | 2,233 <sup>2)</sup>   |
| 4.34             | Aisle width for pallets 800 x 1200 lengthways | Ast mm                                                       | 2,243 <sup>1)</sup>               |                       |
| 4.35             | Turning radius                                | W <sub>s</sub> mm                                            | 1,800 <sup>3)4)</sup>             |                       |
| 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 according to VDI cycle                    | kWh/h                             | 0.54                  |
| 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 in accordance with VDI: + 225 mm

<sup>2)</sup> Diagonal in accordance with VDI: + 369 mm

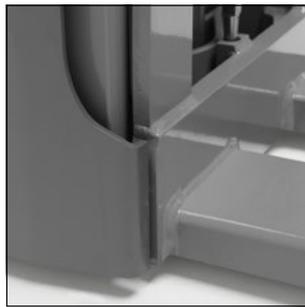
<sup>3)</sup> Load section lowered: + 48 mm

<sup>4)</sup> With long battery compartment L (375 Ah) + 72 mm

# Benefit from the advantages



Double-deck lorry loading



Precise operation with the pallet stop



Stacking pallets

## Intelligent control and drive technology

Jungheinrich 3-phase AC motors and controllers offer higher performance levels while simultaneously reducing operating costs. Make the most of these advantages:

- High level of efficiency with excellent energy management.
- Powerful acceleration.
- No carbon brushes - maintenance-free drive motor.
- Drive motor and controller perfectly matched thanks to in-house production.

## Safe and comfortable stacking and retrieving

All lifting and lowering operations are easily controlled by the multi-functional tiller arm. This allows the operator to concentrate fully on stacking and retrieving. 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 ensures sufficient distance between the operator and the truck.
- Crawl speed button for travelling in restricted conditions with tiller in upright position.

## Optimum cornering and stable handling

Sprung and cushioned support wheels – linked via the patented ProTraCLink 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. Another advantage:

- Level equalisation ensures minimum support wheel wear when approaching ramps at an angle: Both support wheels are linked by a mechanical connection which keeps them at the same height. The lower support wheel does not touch the travel lane and is not damaged.

## 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 pallets on the forks.
- High-performance, lift motor copes easily lifting very heavy loads.

- Large detachable storage compartment and clip pad for storage.

## Fully informed at all times

Comprehensive control instrumentation gives the operator the reassurance of full information at a glance at all times:

- CanDis information display (optional) with hour-meter and service code storage (optional).
- PIN activation of truck and choice of 3 travel programs via CanCode (optional).

## Long operating times

The energy-saving 3-phase AC technology, combined with battery capacities of up to 375 Ah, ensures long operating times:

- Battery compartment size M: 2 PzS 250 Ah batteries.
- Battery compartment size L: 3 PzS 375 Ah batteries
- 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).

## Optional equipment

- Cold store version
- Load guard.

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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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