



## Electric pedestrian stacker

**EJC 110bi**

Lift height: 1170-1970 mm / Load capacity: 1000 kg



# EJC 110bi



## VDI table

|                          |        |   |       |      |                   |
|--------------------------|--------|---|-------|------|-------------------|
| Characteristic           | 1.1    | Manufacturer (abbreviated description)              |       |      | Jungheinrich      |
|                          | 1.3    | Drive   |       |      | Electric          |
|                          | 1.4    | Operation   |       |      | Pedestrian/tiller |
|                          | 1.5    | Load capacity/load                                  | Q     | kg   | 1000              |
|                          | 1.6    | Load centre distance                                | c     | mm   | 600               |
|                          | 1.8    | Load distance, centre of drive axle to fork         | x     | mm   | 810               |
|                          | 1.9    | Wheelbase   | y     | mm   | 1204              |
| Weights                  | 2.1.1  | Service weight (incl. battery)                      |       | kg   | 515               |
|                          | 2.2    | Axle load laden front/rear                          |       | kg   | 545 / 970         |
|                          | 2.3    | Axle load unladen front/rear                        |       | kg   | 370 / 145         |
| Wheels/suspension system | 3.1    | Tyres   |       |      | Polyurethane (PU) |
|                          | 3.2    | Tyre size, front                                    |       |      | Ø 210 x 70        |
|                          | 3.3    | Tyre size, rear                                     |       |      | - / Ø 85 x 75     |
|                          | 3.4    | Additional wheels                                   |       |      | Ø 140x 54         |
|                          | 3.5    | Wheels, number front/back (x=driven)                |       |      | 1x +1/2           |
|                          | 3.6    | Tread width, front                                  | b10   | mm   | 507               |
|                          | 3.7    | Tread width, rear                                   | b11   | mm   | 992               |
|                          | 3.7.1  | 2. Tread width, rear                                |       | mm   | 1162              |
|                          | 3.7.2  | 3. Tread width, rear                                |       | mm   | 1362              |
| Basic dimensions         | 4.2    | Retracted mast height (h1)                          | h1    | mm   | 1970              |
|                          | 4.3    | Free lift (h2)                                      | h2    | mm   | 1510              |
|                          | 4.4    | Lift (h3)   | h3    | mm   | 1510              |
|                          | 4.5    | Extended mast height (h4)                           | h4    | mm   | 1970              |
|                          | 4.9    | Height of tiller handle in drive position min./max. | h14   | mm   | 750 / 1260        |
|                          | 4.19   | total length  | l1    | mm   | 1714              |
|                          | 4.20   | Length including fork shank                         | l2    | mm   | 564               |
|                          | 4.21.1 | total width   | b1    | mm   | 1098              |
|                          | 4.22   | Fork dimensions                                     | s/e/l | mm   | 60 x 178 x 1150   |
|                          | 4.25   | Width across forks                                  | b5    | mm   | 535               |
|                          | 4.26   | Width between support arms/loading areas            | b4    | mm   | 891               |
|                          | 4.32   | Ground clearance centre of wheelbase                | m2    | mm   | 51                |
|                          | 4.34.1 | Aisle width (pallet 1000x1200 sideways)             | Ast   | mm   | 1960              |
|                          | 4.34.2 | Aisle width (pallet 800x1200 length)                | Ast   | mm   | 2010              |
|                          | 4.35   | Turning radius                                      | Wa    | mm   | 1420              |
| Performance data         | 5.1    | Travel speed laden/unladen                          |       | km/h | 5.3 / 5.3         |
|                          | 5.2    | Lift speed laden/unladen                            |       | m/s  | 0.15 / 0.25       |
|                          | 5.3    | Lowering speed laden/unladen                        |       | m/s  | 0.15 / 0.15       |
|                          | 5.7    | Gradeability laden/unladen                          |       | %    | 6 / 10            |
|                          | 5.10   | Service brake                                       |       |      | generative        |

|  |       |   |        |         |
|--|-------|---|--------|---------|
| E-motor/Electronics  | 6.1   | Drive motor, performance S2 60 min        | kW     | 1       |
|  | 6.2   | Lift motor, performance with S3           | kW     | 1.2     |
|  | 6.3   | Battery according to DIN 43531/35/36      |        | no      |
|  | 6.4   | Battery voltage/nominal capacity          | V / Ah | 24 / 50 |
|  | 6.5   | Battery weight                            | kg     | 24      |
|  | 6.6.1 | Energy consumption according to EN cycle  | kWh/h  | 0.35    |
|  | 6.6.2 | CO2 equivalent according to EN ISO 23308  | kg/h0  | 0.2     |
| Other  | 8.1   | Type of drive control                     |        | AC      |
|  | 10.7  | Sound pressure level according to EN12053 | dB (A) | 64      |
| <p>- This data sheet according to VDI guideline 2198 only states the technical values of the standard truck. Different tyres, other masts, additional equipment etc. may result in different values.</p> |       |   |        |         |

#### Values for MM 1540 mast (fixed lift carriage)

- VDI no. 1.8: for mast with fork carriage: x - 42 mm.
- VDI no. 4.3: for mast with fork carriage: h2 - 30 mm.
- VDI no. 4.4: for mast with fork carriage: h3 - 30 mm.
- VDI no. 4.5: for mast with fork carriage: h4 + 101 mm.
- VDI no. 4.19: for mast with fork carriage: l1 - 42 mm.
- VDI no. 4.20: for mast with fork carriage: l2 - 42 mm.
- VDI no. 4.21.1: support arm width b1 available in 3 dimensions: 1,098 / 1,268 / 1,468 mm.
- VDI no. 4.34.1: for version with b1 = 1,468 mm; diagonal as per VDI: aisle width + +398 mm: for mast with fork carriage: aisle width + 42 mm.
- VDI no. 4.34.2: diagonal as per VDI: aisle width + 169 mm: for mast with fork carriage: aisle width + 42 mm.

The German production facilities in  
Norderstedt, Moosburg and Landsberg are  
certified as well as our Genuine Parts  
Center in Kaltenkirchen.

ISO 9001  
ISO 14001

Jungheinrich fork lift trucks meet European  
safety requirements.



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The logo features a red upward-pointing arrow integrated into the letter 'J' of the word 'JUNGHEINRICH', which is written in a bold, black, sans-serif font.