

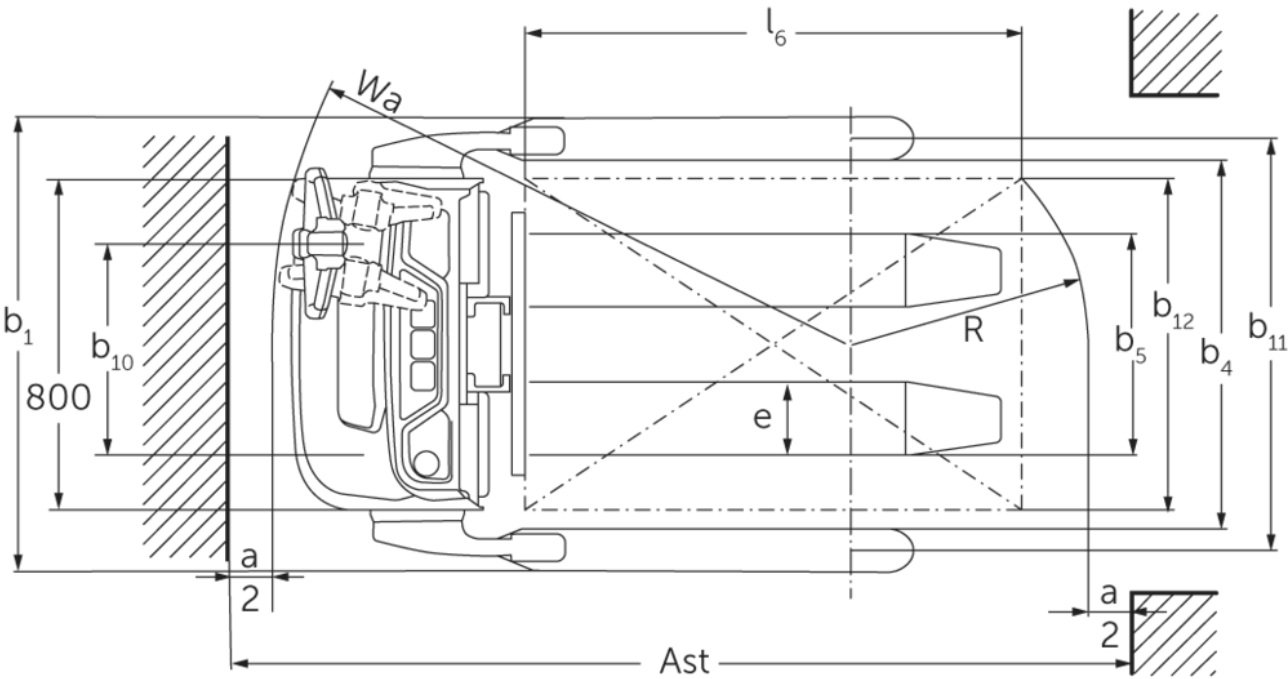
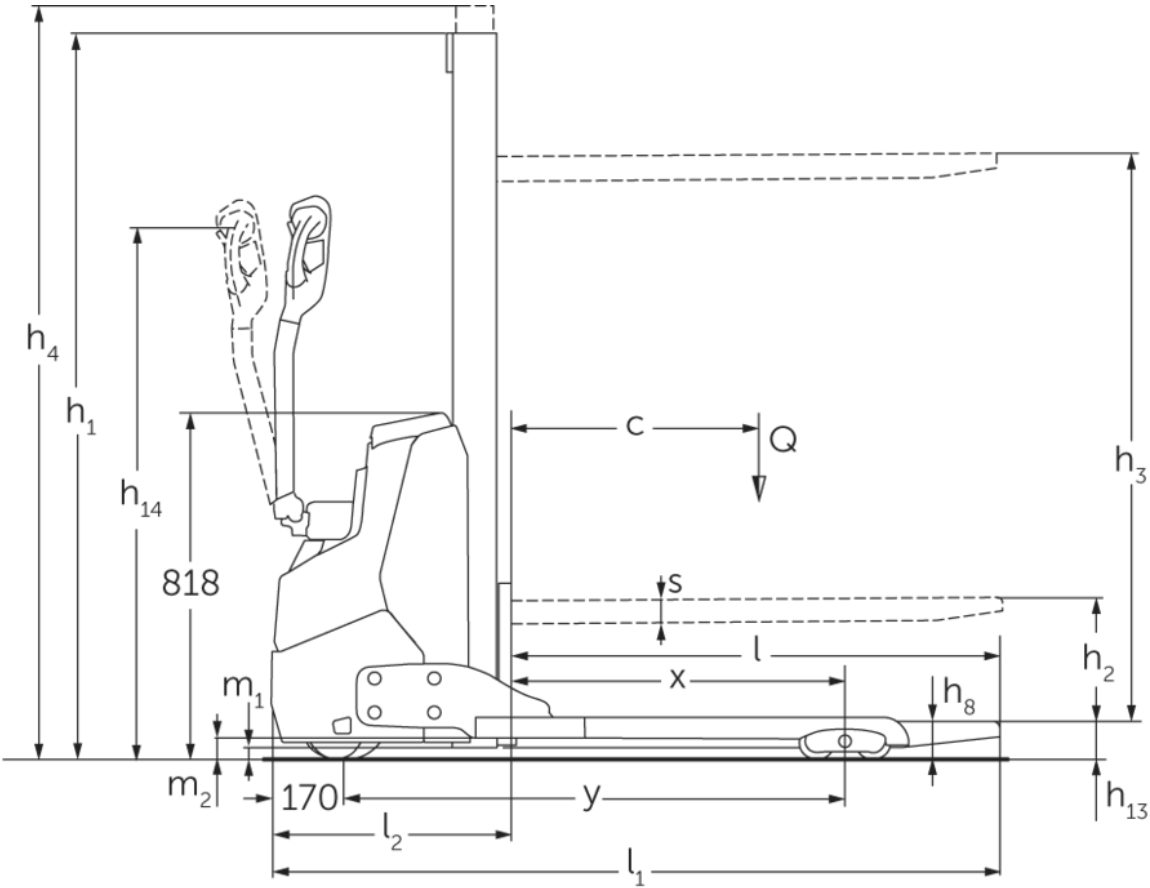


## Electric pedestrian stacker **EJC 110bi**

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



EJC 110bi



# EJC 110bi

| EJC 110bi    | Lift (h3) | Retracted mast height (h1) | Free lift (h2) | Extended mast height (h4) |
|--------------|-----------|----------------------------|----------------|---------------------------|
| Mono Mast MM | 1170 mm   | 1710 mm                    | 1170 mm        | 1710 mm                   |
|              | 1510 mm   | 1970 mm                    | 1510 mm        | 1970 mm                   |
|              | 1970 mm   | 2430 mm                    | 1970 mm        | 2430 mm                   |

# VDI table

|                  |        |                                                     |          |                   |
|------------------|--------|-----------------------------------------------------|----------|-------------------|
| Characteristic   | 1.1    | Manufacturer (abbreviated description)              |          | Jungheinrich      |
|                  | 1.2    | Manufacturer's type designation                     |          | EJC 110bi         |
|                  | 1.3    | Drive type                                          |          | 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/chassis   | 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        |

|                                                                                                                                                                                                   |       |                                           |        |         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------------------------------------------|--------|---------|
| Electric 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 as per EN 16796            | kg/h   | 0.2     |
| Other                                                                                                                                                                                             | 8.1   | Type of drive control                     |        | AC      |
|                                                                                                                                                                                                   | 10.7  | Sound pressure level according to EN12053 | dB (A) | 64      |
| - 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. |       |                                           |        |         |

#### 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  
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 **JUNGHEINRICH**