



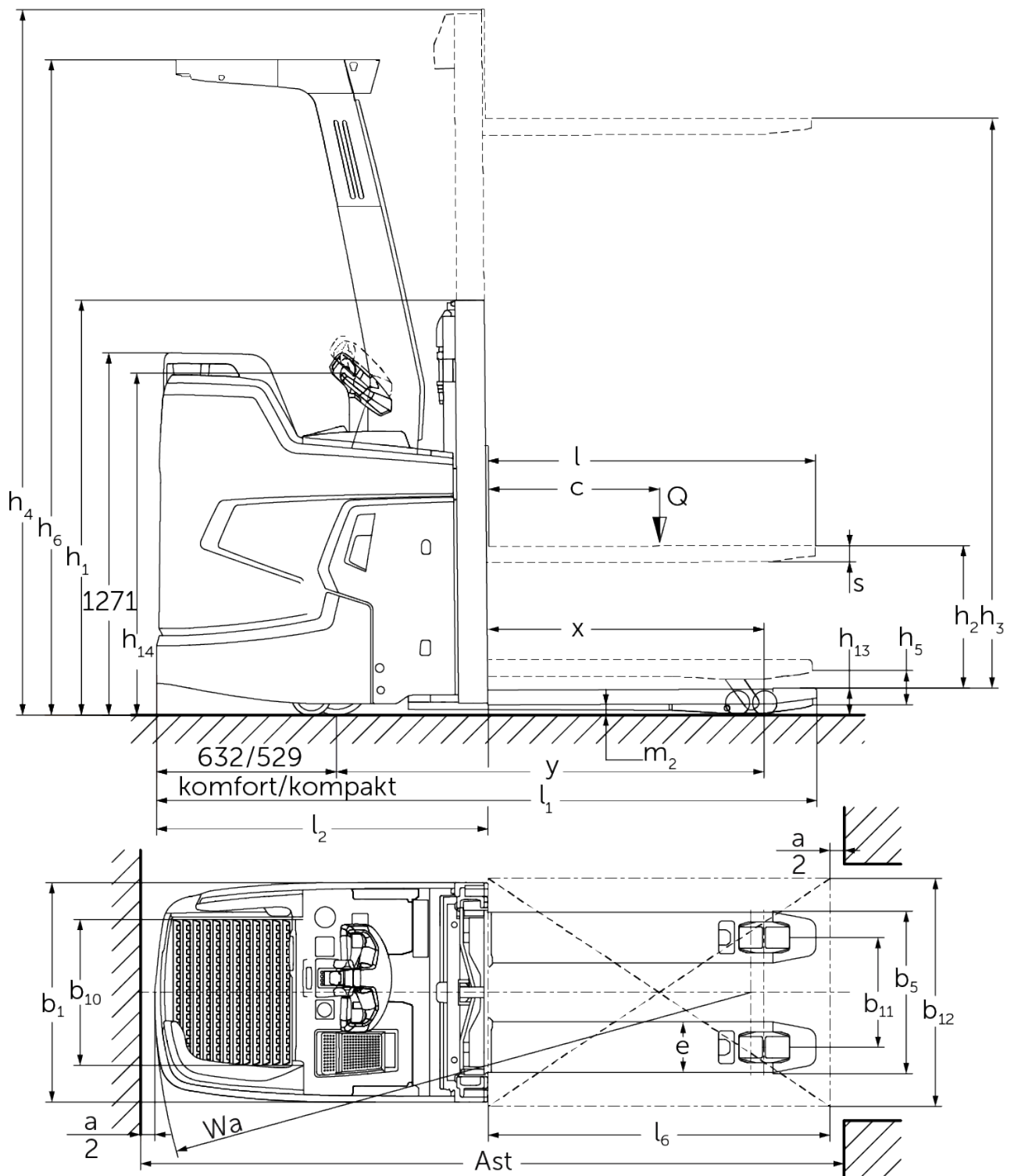
## Electric pedestrian stacker with support arm lift

**ERD 220i**

Lift height: 1660-3760 mm / Load capacity: 2000 kg



# ERD 220i



# ERD 220i

| ERD 220i        | Lift (h3) | Retracted mast height (h1) | Free lift (h2) | Extended mast height (h4) |
|-----------------|-----------|----------------------------|----------------|---------------------------|
| Duplex mast ZT  | 1660 mm   | 1330 mm                    | 100 mm         | 2125 mm                   |
|                 | 2010 mm   | 1505 mm                    | 100 mm         | 2475 mm                   |
|                 | 2100 mm   | 1550 mm                    | 100 mm         | 2565 mm                   |
|                 | 2560 mm   | 1780 mm                    | 100 mm         | 3025 mm                   |
|                 | 2900 mm   | 1950 mm                    | 100 mm         | 3365 mm                   |
| Triplex mast DZ | 3070 mm   | 1500 mm                    | 990 mm         | 3580 mm                   |
|                 | 3760 mm   | 1730 mm                    | 1220 mm        | 4270 mm                   |

## VDI table

|                          |        |                                                     |       |      |                   |
|--------------------------|--------|-----------------------------------------------------|-------|------|-------------------|
| Characteristic           | 1.1    | Manufacturer (abbreviated description)              |       |      | Jungheinrich      |
|                          | 1.2    | Manufacturer's type designation                     |       |      | ERD 220i          |
|                          | 1.3    | Drive                                               |       |      | electric          |
|                          | 1.4    | Operation                                           |       |      | Tiller            |
|                          | 1.5    | Load capacity/load                                  | Q     | kg   | 2000              |
|                          | 1.5.1  | Rated capacity/load with mast lift                  | Q     | kg   | 1000              |
|                          | 1.5.2  | Rated capacity/load with support arm lift           | Q     | kg   | 2000              |
|                          | 1.6    | Load centre distance                                | c     | mm   | 600               |
|                          | 1.8    | Load distance, centre of drive axle to fork         | x     | mm   | 959               |
|                          | 1.9    | Wheelbase                                           | y     | mm   | 1495              |
| Weights                  | 2.1.1  | Service weight (incl. battery)                      |       | kg   | 1055              |
|                          | 2.2    | Axle load laden front/rear                          |       | kg   | 1245 / 1810       |
|                          | 2.3    | Axle load unladen front/rear                        |       | kg   | 835 / 220         |
| Wheels/suspension system | 3.1    | Tyres                                               |       |      | Polyurethane (PU) |
|                          | 3.2    | Tyre size, front                                    |       |      | ø 230x77          |
|                          | 3.3    | Tyre size, rear                                     |       |      | ø 85x95           |
|                          | 3.4    | Additional wheels                                   |       |      | ø 140x57          |
|                          | 3.5    | Wheels, number front/back (x=driven)                |       |      | 1x +2             |
|                          | 3.6    | Tread width, front                                  | b10   | mm   | 512               |
|                          | 3.7    | Tread width, rear                                   | b11   | mm   | 385               |
| Basic dimensions         | 4.2    | Retracted mast height (h1)                          | h1    | mm   | 1505              |
|                          | 4.3    | Free lift (h2)                                      | h2    | mm   | 100               |
|                          | 4.4    | Lift (h3)                                           | h3    | mm   | 2010              |
|                          | 4.5    | Extended mast height (h4)                           | h4    | mm   | 2475              |
|                          | 4.6    | Initial lift                                        | h5    | mm   | 120               |
|                          | 4.9    | Height of tiller handle in drive position min./max. | h14   | mm   | 1215 / 1275       |
|                          | 4.15   | Height, lowered                                     | h13   | mm   | 94                |
|                          | 4.19   | total length                                        | l1    | mm   | 2358              |
|                          | 4.20   | Length including fork shank                         | l2    | mm   | 1168              |
|                          | 4.21.1 | total width                                         | b1    | mm   | 770               |
|                          | 4.22   | Fork dimensions                                     | s/e/l | mm   | 56 x 185 x 1190   |
|                          | 4.25   | Width across forks                                  | b5    | mm   | 570               |
|                          | 4.32   | Ground clearance centre of wheelbase                | m2    | mm   | 18                |
|                          | 4.34.1 | Aisle width (pallet 1000×1200 sideways)             | Ast   | mm   | 2564              |
|                          | 4.34.2 | Aisle width (pallet 800x1200 length)                | Ast   | mm   | 2574              |
|                          | 4.35   | Turning radius                                      | Wa    | mm   | 2133              |
| Performance data         | 5.1    | Travel speed laden/unladen (Efficiency   drivePLUS) |       | km/h | 9 / 12.5   9 / 14 |
|                          | 5.2    | Lift speed laden/unladen                            |       | m/s  | 0.21 / 0.37       |
|                          | 5.3    | Lowering speed laden/unladen                        |       | m/s  | 0.49 / 0.44       |
|                          | 5.7    | Gradeability laden/unladen                          |       | %    | 8 / 16            |
|                          | 5.8    | Max. gradeability laden/unladen                     |       | %    | 8 / 16            |
|                          | 5.10   | Service brake                                       |       |      | generative        |

|                                                                                                                                                                                                   |       |                                                               |        |                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---------------------------------------------------------------|--------|---------------------|
| E-motor/Electronics                                                                                                                                                                               | 6.1   | Drive motor, performance S2 60 min (Efficiency   drivePLUS)   | kW     | 2.8   3.2           |
|                                                                                                                                                                                                   | 6.2   | Lift motor, performance with S3                               | kW     | 2.2                 |
|                                                                                                                                                                                                   | 6.3   | Battery according to DIN 43531/35/36                          |        | Jungheinrich Li-ion |
|                                                                                                                                                                                                   | 6.4   | Battery voltage/nominal capacity                              | V / Ah | 24 / 260            |
|                                                                                                                                                                                                   | 6.5   | Battery weight                                                | kg     | 100                 |
|                                                                                                                                                                                                   | 6.6.1 | Energy consumption according to EN cycle (Efficiency   PLUS)  | kWh/h  | 0.6   0.65          |
|                                                                                                                                                                                                   | 6.6.2 | CO2 equivalent according to EN ISO 23308 (Efficiency   PLUS)  | kg/h   | 0.32   0.4          |
|                                                                                                                                                                                                   | 6.7   | Throughput (Efficiency   PLUS)                                | t/h    | 100   106           |
|                                                                                                                                                                                                   | 6.8   | Turnover efficiency according to VDI 2198 (Efficiency   PLUS) | t/kWh  | 106   105           |
|                                                                                                                                                                                                   | 6.8.1 | Energy consumption with max. throughput (Efficiency   PLUS)   | kWh/h  | 0.94   1.01         |
| Other                                                                                                                                                                                             | 10.7  | Sound pressure level according to EN12053                     | dB (A) | 67.1                |
| - 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. |       |                                                               |        |                     |

The values in the table apply for the fixed stand-on platform, integrated M battery compartment, ZT2010 mast without overhead guard, raised support arm lift.

Entry height for stand-on platform: 202 / 214 mm (stand-on platform standard / stand-on platform suspension adjustable).

Ground clearance at end of stand-on platform: 117 / 98 mm (stand-on platform standard / stand-on platform compact).

An overhead guard is optionally available and compulsory for masts with  $h_3 > 2,300$  mm. (VDI no. 4.7 height of overhead guard:  $h_6 = 2,300$  mm; VDI no. 4.8 stand height with unladen stand-on platform:  $h_7 = 2,037 / 2,025$  mm (stand-on platform standard / stand-on platform suspension adjustable)).

- VDI no. 1.5: in double-decker operation: mast lift max. 1 t / total load max. 2 t. Permitted up to a lift height  $h_{13} + h_3$  of 1,800 mm.

The heavier load is to be transported on the support arms (below).

- VDI no. 1.8: lowered support arm lift:  $x + 46$  mm. With fork length 1,150 mm:  $x - 40$  mm. With DZ mast:  $x - 18$  mm.

- VDI no. 1.9: lowered support arm lift:  $y + 46$  mm. With fork length 1,150 mm:  $y - 40$  mm.

- VDI no. 4.19: with fork length 1,150 mm:  $l_1 - 40$  mm. with compact stand-on platform:  $l_1 - 103$  mm. With DZ mast:  $l_1 + 18$  mm.

- VDI no. 4.20: with compact stand-on platform:  $l_2 - 103$  mm. With DZ mast:  $l_2 + 18$  mm.

- VDI no. 4.34.1: with fork length 1,150 mm: aisle width - 40 mm. With compact stand-on platform: aisle width - 103 mm. With DZ mast: aisle width + 18 mm.

- VDI no. 4.34.2: with fork length 1,150 mm: aisle width - 40 mm. With compact stand-on platform: aisle width - 103 mm. With DZ mast: aisle width + 10 mm.

- VDI no. 4.35: lowered support arm lift:  $W_a + 46$  mm. with fork length 1,150 mm:  $W_a - 40$  mm. With compact stand-on platform:  $W_a - 103$  mm.

- VDI no. 5.1: travel speed in double-decker operation (mast lift  $> 400$  mm): efficiency performance package: 7 km/h up to 1,400 mm; drivePLUS performance package: 8.2 km/h up to 1,400 mm; above 1,400 mm, further speed reductions apply depending on load and lift height.

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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