



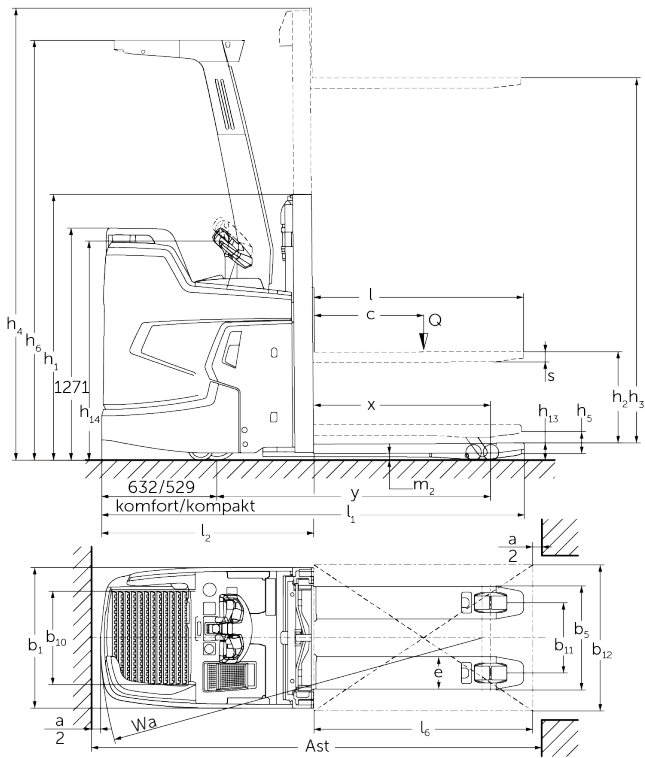
## Electric pedestrian stacker with support arm lift

**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 1000x1200 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 as per EN 16796 (Efficiency   PLUS)            | kg/h   | 0.3   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 level as per EN12053, operator's ear                    | 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 mode: mast lift max. 1 t / overall load max. 2 t.
- 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.

The German production facilities in  
Norderstedt, Moosburg and Landsberg  
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ISO 9001  
ISO 14001

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