



## Electric pedestrian stacker

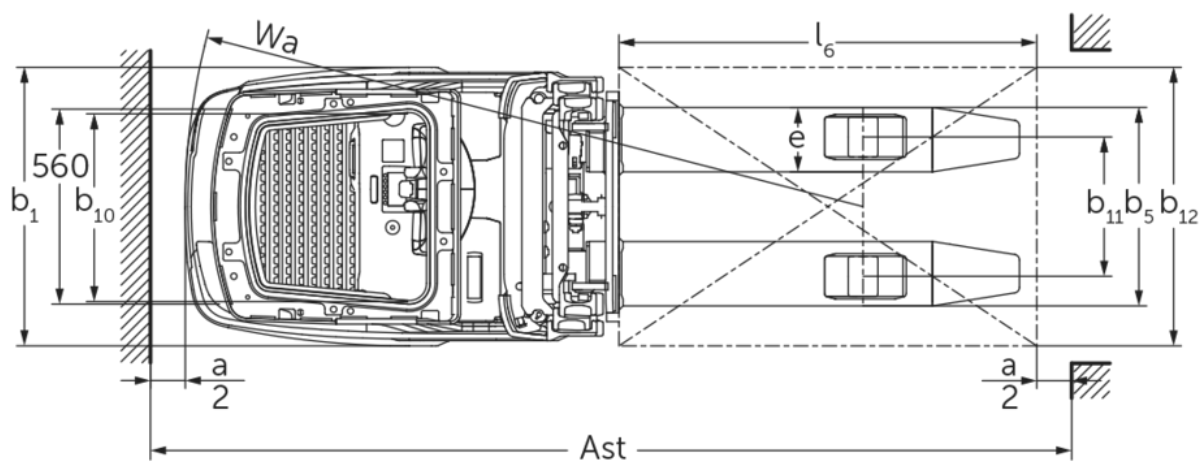
**ERC 214i-216i**

Lift height: 2400-6000 mm / Load capacity: 1400-1600 kg



Technical drawing of a vehicle chassis showing dimensions and load points. The drawing includes a side view of the chassis and a top view of the chassis. Dimensions are labeled as follows:

- $h_6$ : Total height of the chassis.
- $1271$ : Height from the ground to the top of the chassis.
- $h_{14}$ : Height from the ground to the top of the chassis.
- $195$ : Height from the ground to the top of the chassis.
- $h_2$ : Height from the ground to the top of the chassis.
- $h_3$ : Height from the ground to the top of the chassis.
- $h_1$ : Height from the ground to the top of the chassis.
- $h_4$ : Height from the ground to the top of the chassis.
- $h_{13}$ : Height from the ground to the top of the chassis.
- $l_2$ : Length of the chassis.
- $631$ : Length of the chassis.
- $l_1$ : Length of the chassis.
- $y$ : Distance from the ground to the top of the chassis.
- $m_2$ : Mass of the chassis.
- $c$ : Distance from the ground to the top of the chassis.
- $Q$ : Load applied to the chassis.
- $l$ : Length of the chassis.
- $x$ : Distance from the ground to the top of the chassis.
- $s$ : Distance from the ground to the top of the chassis.



## ERC 214i-216i

| ERC 214i           | Lift (h3) | Retracted mast height (h1) | Free lift (h2) | Extended mast height (h4) |
|--------------------|-----------|----------------------------|----------------|---------------------------|
| Duplex mast ZT     | 2500 mm   | 1800 mm                    | 100 mm         | 3025 mm                   |
|                    | 2760 mm   | 1930 mm                    | 100 mm         | 3285 mm                   |
|                    | 2900 mm   | 2000 mm                    | 100 mm         | 3425 mm                   |
|                    | 3160 mm   | 2130 mm                    | 100 mm         | 3685 mm                   |
|                    | 3600 mm   | 2350 mm                    | 100 mm         | 4125 mm                   |
|                    | 4100 mm   | 2600 mm                    | 100 mm         | 4625 mm                   |
|                    | 4300 mm   | 2700 mm                    | 100 mm         | 4825 mm                   |
| Triplex mast DZ    | 4090 mm   | 1880 mm                    | 1348 mm        | 4622 mm                   |
|                    | 4300 mm   | 1950 mm                    | 1418 mm        | 4832 mm                   |
|                    | 4690 mm   | 2080 mm                    | 1548 mm        | 5222 mm                   |
|                    | 5350 mm   | 2300 mm                    | 1768 mm        | 5882 mm                   |
| ERC 214i, ERC 216i | Lift (h3) | Retracted mast height (h1) | Free lift (h2) | Extended mast height (h4) |
| Triplex mast DZ    | 6000 mm   | 2550 mm                    | 1968 mm        | 6582 mm                   |
| ERC 216i           | Lift (h3) | Retracted mast height (h1) | Free lift (h2) | Extended mast height (h4) |
| Duplex mast ZT     | 2400 mm   | 1800 mm                    | 100 mm         | 2975 mm                   |
|                    | 2660 mm   | 1930 mm                    | 100 mm         | 3235 mm                   |
|                    | 2800 mm   | 2000 mm                    | 100 mm         | 3375 mm                   |
|                    | 3060 mm   | 2130 mm                    | 100 mm         | 3635 mm                   |
|                    | 3500 mm   | 2350 mm                    | 100 mm         | 4075 mm                   |
|                    | 4000 mm   | 2600 mm                    | 100 mm         | 4575 mm                   |
|                    | 4200 mm   | 2700 mm                    | 100 mm         | 4775 mm                   |
| Triplex mast DZ    | 3990 mm   | 1880 mm                    | 1298 mm        | 4572 mm                   |
|                    | 4200 mm   | 1950 mm                    | 1368 mm        | 4782 mm                   |
|                    | 4590 mm   | 2080 mm                    | 1498 mm        | 5172 mm                   |
|                    | 5250 mm   | 2300 mm                    | 1718 mm        | 5832 mm                   |

## VDI table

|                  |        |                                                          |       |      |                   |             |
|------------------|--------|----------------------------------------------------------|-------|------|-------------------|-------------|
| Characteristic   | 1.1    | Manufacturer (abbreviated description)                   |       |      | Jungheinrich      |             |
|                  | 1.2    | Manufacturer's type designation                          |       |      | ERC 214i          | ERC 216i    |
|                  | 1.3    | Drive type                                               |       |      | electric          |             |
|                  | 1.4    | Operation                                                |       |      | Operator platform |             |
|                  | 1.5    | Load capacity/load                                       | Q     | kg   | 1400              | 1600        |
|                  | 1.6    | Load centre distance                                     | c     | mm   | 600               |             |
|                  | 1.8    | Load distance, centre of drive axle to fork              | x     | mm   | 701               |             |
|                  | 1.9    | Wheelbase                                                | y     | mm   | 1308              |             |
| Weights          | 2.1.1  | Service weight (incl. battery)                           |       | kg   | 1470              | 1480        |
|                  | 2.2    | Axle load laden front/rear                               |       | kg   | 1195 / 1675       | 1210 / 1870 |
|                  | 2.3    | Axle load unladen front/rear                             |       | kg   | 1085 / 385        | 1090 / 390  |
| Wheels/chassis   | 3.1    | Tyres                                                    |       |      | Polyurethane (PU) |             |
|                  | 3.2    | Tyre size, front                                         |       |      | Ø 230x77          | Ø 230 x 77  |
|                  | 3.3    | Tyre size, rear                                          |       |      | Ø 85 x 75         |             |
|                  | 3.4    | Additional wheels                                        |       |      | Ø 140 x 57        |             |
|                  | 3.5    | Wheels, number front/back (x=driven)                     |       |      | 1x + 1 / 4        |             |
|                  | 3.6    | Tread width, front                                       | b10   | mm   | 535               |             |
|                  | 3.7    | Tread width, rear                                        | b11   | mm   | 400               |             |
| Basic dimensions | 4.2    | Retracted mast height (h1)                               | h1    | mm   | 2300              |             |
|                  | 4.3    | Free lift (h2)                                           | h2    | mm   | 1768              | 1718        |
|                  | 4.4    | Lift (h3)                                                | h3    | mm   | 5350              | 5250        |
|                  | 4.5    | Extended mast height (h4)                                | h4    | mm   | 5882              | 5832        |
|                  | 4.7    | Height of overhead guard (cab)                           | h6    | mm   | 2300              |             |
|                  | 4.9    | Height of tiller handle in drive position min./max.      | h14   | mm   | 1185 / 1245       |             |
|                  | 4.15   | Height, lowered                                          | h13   | mm   | 90                |             |
|                  | 4.19   | Total length                                             | l1    | mm   | 2389              |             |
|                  | 4.20   | Length including fork shank                              | l2    | mm   | 1239              |             |
|                  | 4.21.1 | total width                                              | b1    | mm   | 800               |             |
|                  | 4.22   | Fork dimensions                                          | s/e/l | mm   | 56 x 185 x 1150   |             |
|                  | 4.25   | Width across forks                                       | b5    | mm   | 570               |             |
|                  | 4.32   | Ground clearance centre of wheelbase                     | m2    | mm   | 26                |             |
|                  | 4.34.1 | Aisle width (pallet 1000x1200 sideways)                  | Ast   | mm   | 2596              |             |
|                  | 4.34.2 | Aisle width (pallet 800x1200 length)                     | Ast   | mm   | 2646              |             |
|                  | 4.35   | Turning radius                                           | Wa    | mm   | 1947              |             |
| Performance data | 5.1    | Travel speed laden/unladen (Efficiency   drivePLUS)      |       | km/h | 7 / 7   9 / 12    |             |
|                  | 5.2    | Lift speed laden/unladen                                 |       | m/s  | 0.19 / 0.35       |             |
|                  | 5.3    | Lowering speed laden/unladen                             |       | m/s  | 0.43 / 0.49       |             |
|                  | 5.8    | Max. gradeability laden/unladen (Efficiency   drivePLUS) |       | %    | - / -   8 / 16    |             |
|                  | 5.10   | Service brake                                            |       |      | generative        |             |

|                            |       |                                                              |        |                     |          |
|----------------------------|-------|--------------------------------------------------------------|--------|---------------------|----------|
| Electric motor/electronics | 6.1   | Drive motor, performance S2 60 min (Efficiency   drivePLUS)  | kW     | 3.2   3.2           |          |
|                            | 6.2   | Lift motor, performance with S3                              | kW     | 3                   |          |
|                            | 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     | 98                  |          |
|                            | 6.6.1 | Energy consumption according to EN cycle (Efficiency   PLUS) | kWh/h  | -   0.86            | -   0.96 |
|                            | 6.6.2 | CO2 equivalent according to EN ISO 23308 (Efficiency   PLUS) | kg/h0  | -   0.5             |          |
|                            | 6.7   | Throughput (Efficiency   PLUS)                               | t/h    | -   75              | -   83   |
|                            | 6.8.1 | Energy consumption with max. throughput (Efficiency   PLUS)  | kWh/h  | -   2.07            | -   2.31 |
| Other                      | 8.1   | Type of drive control                                        |        | AC                  |          |
|                            | 10.7  | Sound pressure level according to EN12053                    | dB (A) | 68                  |          |

- 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 260-Ah Li-ion battery, DZ 5350 / DZ 5250 mast, with overhead guard, without bumper.

- VDI no. 1.8: with duplex telescopic mast: x + 32 mm
- VDI no. 4.19: with duplex telescopic mast: l1 - 32 mm
- VDI no. 4.20: with duplex telescopic mast: l2 - 32 mm
- VDI no. 4.34.1: diagonal as per VDI: aisle width + 225 mm; with duplex telescopic mast: aisle width - 32 mm
- VDI no. 4.34.2: diagonal as per VDI: aisle width + 146 mm; with duplex telescopic mast: aisle width - 32 mm
- VDI no. 6.2: with S3 = 11%
- VDI no. 6.5: with 130-Ah battery = 76 kg

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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