

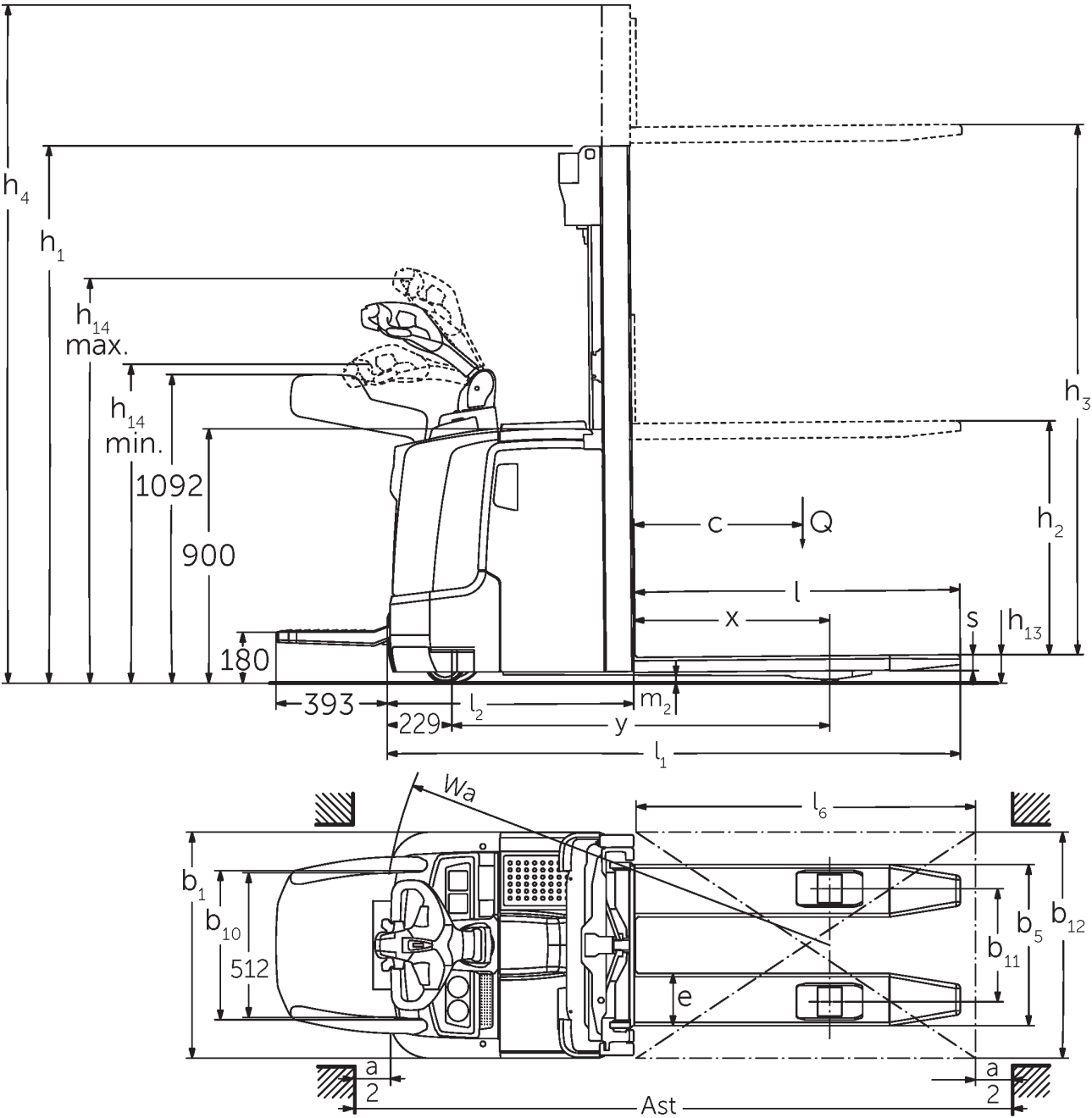


## **Electric pedestrian stacker** **ERC 212-220**

Lift height: 2400-6000 mm / Load capacity: 1200-2000 kg



ERC 212-220



Dimensional drawing ERC 2

**ERC 212-220**

| ERC 212         |  | Lift (h3) | Retracted mast height (h1) | Free lift (h2) | Extended mast height (h4) |
|-----------------|--|-----------|----------------------------|----------------|---------------------------|
| Duplex mast ZT  |  | 2500 mm   | 1750 mm                    | 100 mm         | 2975 mm                   |
|                 |  | 2700 mm   | 1850 mm                    | 100 mm         | 3175 mm                   |
|                 |  | 2900 mm   | 1950 mm                    | 100 mm         | 3375 mm                   |
|                 |  | 3200 mm   | 2100 mm                    | 100 mm         | 3675 mm                   |
|                 |  | 3600 mm   | 2300 mm                    | 100 mm         | 4075 mm                   |
|                 |  | 4100 mm   | 2550 mm                    | 100 mm         | 4575 mm                   |
|                 |  | 4300 mm   | 2650 mm                    | 100 mm         | 4775 mm                   |
| Duplex mast ZZ  |  | 2500 mm   | 1700 mm                    | 1225 mm        | 2975 mm                   |
|                 |  | 2900 mm   | 1900 mm                    | 1425 mm        | 3375 mm                   |
|                 |  | 3200 mm   | 2050 mm                    | 1575 mm        | 3675 mm                   |
|                 |  | 3600 mm   | 2250 mm                    | 1775 mm        | 4075 mm                   |
|                 |  | 4100 mm   | 2500 mm                    | 2025 mm        | 4575 mm                   |
|                 |  | 4300 mm   | 2600 mm                    | 2125 mm        | 4775 mm                   |
| Triplex mast DZ |  | 4090 mm   | 1845 mm                    | 1338 mm        | 4597 mm                   |
|                 |  | 4300 mm   | 1915 mm                    | 1408 mm        | 4807 mm                   |
|                 |  | 4700 mm   | 2050 mm                    | 1543 mm        | 5207 mm                   |
| ERC 214         |  | Lift (h3) | Retracted mast height (h1) | Free lift (h2) | Extended mast height (h4) |
| Duplex mast ZT  |  | 2500 mm   | 1750 mm                    | 100 mm         | 2975 mm                   |
|                 |  | 2700 mm   | 1850 mm                    | 100 mm         | 3175 mm                   |
|                 |  | 2900 mm   | 1950 mm                    | 100 mm         | 3375 mm                   |
|                 |  | 3200 mm   | 2100 mm                    | 100 mm         | 3675 mm                   |
|                 |  | 3600 mm   | 2300 mm                    | 100 mm         | 4075 mm                   |
|                 |  | 4100 mm   | 2550 mm                    | 100 mm         | 4575 mm                   |
|                 |  | 4300 mm   | 2650 mm                    | 100 mm         | 4775 mm                   |
|                 |  | 4500 mm   | 2750 mm                    | 100 mm         | 4975 mm                   |
| Duplex mast ZZ  |  | 2500 mm   | 1700 mm                    | 1225 mm        | 2975 mm                   |
|                 |  | 2900 mm   | 1900 mm                    | 1425 mm        | 3375 mm                   |
|                 |  | 3200 mm   | 2050 mm                    | 1575 mm        | 3675 mm                   |
|                 |  | 3600 mm   | 2250 mm                    | 1775 mm        | 4075 mm                   |
|                 |  | 4100 mm   | 2500 mm                    | 2025 mm        | 4575 mm                   |

|                  |           |                            |                |                           |
|------------------|-----------|----------------------------|----------------|---------------------------|
|                  | 4300 mm   | 2600 mm                    | 2125 mm        | 4775 mm                   |
| Triplex mast DZ  | 4090 mm   | 1830 mm                    | 1341 mm        | 4579 mm                   |
|                  | 4300 mm   | 1900 mm                    | 1411 mm        | 4789 mm                   |
|                  | 4690 mm   | 2030 mm                    | 1541 mm        | 5179 mm                   |
|                  | 5350 mm   | 2250 mm                    | 1761 mm        | 5839 mm                   |
|                  |           |                            |                |                           |
| ERC 214, ERC 216 | Lift (h3) | Retracted mast height (h1) | Free lift (h2) | Extended mast height (h4) |
| Triplex mast DZ  | 6000 mm   | 2500 mm                    | 1968 mm        | 6532 mm                   |
| ERC 216          | Lift (h3) | Retracted mast height (h1) | Free lift (h2) | Extended mast height (h4) |
| Duplex mast ZT   | 2400 mm   | 1750 mm                    | 100 mm         | 2925 mm                   |
|                  | 2600 mm   | 1850 mm                    | 100 mm         | 3125 mm                   |
|                  | 2800 mm   | 1950 mm                    | 100 mm         | 3325 mm                   |
|                  | 3100 mm   | 2100 mm                    | 100 mm         | 3625 mm                   |
|                  | 3500 mm   | 2300 mm                    | 100 mm         | 4025 mm                   |
|                  | 3800 mm   | 2450 mm                    | 100 mm         | 4325 mm                   |
|                  | 4000 mm   | 2550 mm                    | 100 mm         | 4525 mm                   |
|                  | 4200 mm   | 2650 mm                    | 100 mm         | 4725 mm                   |
|                  | 4400 mm   | 2750 mm                    | 100 mm         | 4925 mm                   |
|                  |           |                            |                |                           |
| Duplex mast ZZ   | 2400 mm   | 1700 mm                    | 1175 mm        | 2925 mm                   |
|                  | 2800 mm   | 1900 mm                    | 1375 mm        | 3325 mm                   |
|                  | 3100 mm   | 2050 mm                    | 1525 mm        | 3625 mm                   |
|                  | 3500 mm   | 2250 mm                    | 1725 mm        | 4025 mm                   |
|                  | 4000 mm   | 2500 mm                    | 1975 mm        | 4525 mm                   |
|                  | 4200 mm   | 2600 mm                    | 2075 mm        | 4725 mm                   |
|                  |           |                            |                |                           |
| Triplex mast DZ  | 3990 mm   | 1830 mm                    | 1298 mm        | 4522 mm                   |
|                  | 4200 mm   | 1900 mm                    | 1368 mm        | 4732 mm                   |
|                  | 4590 mm   | 2030 mm                    | 1498 mm        | 5122 mm                   |
|                  | 5250 mm   | 2250 mm                    | 1718 mm        | 5782 mm                   |
| ERC 220          | Lift (h3) | Retracted mast height (h1) | Free lift (h2) | Extended mast height (h4) |
| Duplex mast ZT   | 2540 mm   | 1950 mm                    | 100 mm         | 3195 mm                   |
|                  | 2840 mm   | 2100 mm                    | 100 mm         | 3495 mm                   |
|                  | 3540 mm   | 2450 mm                    | 100 mm         | 4195 mm                   |

|                 |         |         |         |         |
|-----------------|---------|---------|---------|---------|
| Duplex mast ZZ  | 2540 mm | 1900 mm | 1245 mm | 3195 mm |
|                 | 2840 mm | 2050 mm | 1395 mm | 3495 mm |
|                 | 3540 mm | 2400 mm | 1745 mm | 4195 mm |
| Triplex mast DZ | 3750 mm | 1900 mm | 1218 mm | 4432 mm |
|                 | 4200 mm | 2050 mm | 1368 mm | 4882 mm |
|                 | 4800 mm | 2250 mm | 1568 mm | 5482 mm |

## VDI table

|                          |         |                                                          |                                |                   |                  |                  |                 |
|--------------------------|---------|----------------------------------------------------------|--------------------------------|-------------------|------------------|------------------|-----------------|
| Characteristic           | 1.1     | Manufacturer (abbreviated description)                   |                                | Jungheinrich      |                  |                  |                 |
|                          | 1.2     | Manufacturer's type designation                          |                                | ERC 2 (2019)      |                  |                  |                 |
|                          | 1.3     | Drive                                                    |                                | Electric          |                  |                  |                 |
|                          | 1.4     | Operation                                                |                                | Pedestrian        |                  |                  |                 |
|                          | 1.5     | Load capacity/load                                       | Q    kg                        | 1200              | 1400             | 1600             | 2000            |
|                          | 1.6     | Load centre distance                                     | c    mm                        | 600               |                  |                  |                 |
|                          | 1.8     | Load distance, centre of drive axle to fork              | x    mm                        | 688               | 667              |                  |                 |
|                          | 1.9     | Wheelbase                                                | y    mm                        | 1264              |                  |                  | 1336            |
|                          | Weights | 2.1.1                                                    | Service weight (incl. battery) | kg                | 1130             | 1200             | 1220            |
| 2.2                      |         | Axle load laden front/rear                               | kg                             | 890 / 1440        | 960 / 1640       | 980 / 1840       | 983 / 2332      |
| 2.3                      |         | Axle load unladen front/rear                             | kg                             | 830 / 300         | 880 / 320        | 890 / 330        | 924 / 392       |
| Wheels/suspension system | 3.1     | Tyres                                                    |                                | Polyurethane (PU) |                  |                  |                 |
|                          | 3.2     | Tyre size, front                                         |                                | Ø 230 x 77        |                  |                  |                 |
|                          | 3.3     | Tyre size, rear                                          |                                | Ø 85 x 110 / 85   |                  |                  | Ø 85 x 85       |
|                          | 3.4     | Additional wheels                                        |                                | Ø 140 x 54        |                  |                  |                 |
|                          | 3.5     | Wheels, number front/back (x=driven)                     |                                | 1x +1/2           |                  |                  | 1x +1/4         |
|                          | 3.6     | Tread width, front                                       | b10   mm                       | 515               |                  |                  |                 |
|                          | 3.7     | Tread width, rear                                        | b11   mm                       | 400               |                  |                  |                 |
| Basic dimensions         | 4.2     | Retracted mast height (h1)                               | h1   mm                        | 1950              |                  |                  | 2100            |
|                          | 4.3     | Free lift (h2)                                           | h2   mm                        | 100               |                  |                  |                 |
|                          | 4.4     | Lift (h3)                                                | h3   mm                        | 2900              |                  | 2800             | 2840            |
|                          | 4.5     | Extended mast height (h4)                                | h4   mm                        | 3375              |                  | 3325             | 3495            |
|                          | 4.9     | Height of tiller handle in drive position min./max.      | h14   mm                       | 1170 / 1390       |                  |                  |                 |
|                          | 4.15    | Height, lowered                                          | h13   mm                       | 90                |                  |                  |                 |
|                          | 4.19    | total length                                             | l1    mm                       | 1955              | 1976             |                  | 2048            |
|                          | 4.20    | Length including fork shank                              | l2    mm                       | 805               | 826              |                  | 898             |
|                          | 4.21.1  | total width                                              | b1    mm                       | 800               |                  |                  |                 |
|                          | 4.22    | Fork dimensions                                          | s/<br>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                        | 28                |                  |                  | 18              |
|                          | 4.34.1  | Aisle width (pallet 1000x1200 sideways)                  | Ast   mm                       | 2170              | 2191             |                  | 2263            |
|                          | 4.34.2  | Aisle width (pallet 800x1200 length)                     | Ast   mm                       | 2220              | 2241             |                  | 2313            |
|                          | 4.35    | Turning radius                                           | Wa   mm                        | 1508              |                  |                  | 1580            |
| Performance data         | 5.1     | Travel speed laden/unladen (Efficiency   drivePLUS)      | km/h                           | 6 / 6   9 / 11    |                  |                  | 6 / 6   8 / 10  |
|                          | 5.2     | Lift speed laden/unladen                                 | m/s                            | 0.2 / 0.4         | 0.16 / 0.3       | 0.15 / 0.3       | 0.11 / 0.34     |
|                          | 5.3     | Lowering speed laden/unladen                             | m/s                            | 0.45 / 0.35       |                  |                  | 0.5 / 0.35      |
|                          | 5.8     | Max. gradeability laden/unladen (Efficiency   drivePLUS) | %                              | 10 / 16   10 / 20 | 9 / 16   10 / 20 | 8 / 16   10 / 20 | 5 / 16   6 / 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     | 3           |             |             |          |
|                                                                                                                                                                                                   | 6.3   | Battery according to DIN 43531/35/36                         |        | DIN 43535 B |             |             |          |
|                                                                                                                                                                                                   | 6.4   | Battery voltage/nominal capacity                             | V / Ah | 24 / 300    |             | 24 / 375    |          |
|                                                                                                                                                                                                   | 6.5   | Battery weight                                               | kg     | 238         |             | 273         |          |
|                                                                                                                                                                                                   | 6.6   | Energy consumption according to VDI cycle                    | kWh/h  | -           |             | 1.45        |          |
|                                                                                                                                                                                                   | 6.6.1 | Energy consumption according to EN cycle (Efficiency   PLUS) | kWh/h  | 0.63   0.64 | 0.81   0.76 | 0.86   0.83 | 1.07   - |
|                                                                                                                                                                                                   | 6.6.2 | CO2 equivalent as per EN 16796 (Efficiency   PLUS)           | kg/h   | 0.3   0.3   | 0.4   0.4   | 0.5   0.4   | 0.6   -  |
|                                                                                                                                                                                                   | 6.7   | Throughput (Efficiency   PLUS)                               | t/h    | 56   57     | 64   65     | 71   73     | 85   -   |
|                                                                                                                                                                                                   | 6.8.1 | Energy consumption with max. throughput (Efficiency   PLUS)  | kWh/h  | 1.63   1.65 | 1.65   1.64 | 1.67   1.65 | 2.13   - |
| 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. |       |                                                              |        |             |             |             |          |

The values in the table apply for the battery compartment M-VBE (ERC 212 / 214 / 216), L-VBE / LBE (ERC 220); mast ZT2800 / 2840 / 2900 mm.

- VDI no. 1.8 with ERC 212 / 214 / 216: with DZ mast: x - 42 mm.
- VDI no. 1.8 with ERC 220: with L-VBE or L-LBE battery compartment and DZ mast: x - 1 mm, M Li-ion and DZ mast: x - 71 mm.
- VDI no. 1.9 with ERC 212 / 214 / 216: with M Li-ion battery compartment: y + 0 mm, L-VBE or L-LBE: y + 72 mm.
- VDI no. 1.9 with ERC 220: with L-VBE or L-LBE battery compartment and DZ mast: y + 70 mm, M Li-ion: y - 72 mm.
- VDI no. 3.3: tandem: Ø 85 x 75 mm.
- VDI no. 4.19 with ERC 212 / 214 / 216: with DZ mast: l1 + 42 mm; with M Li-ion battery compartment: l1 + 0 mm, L-VBE or L-LBE: l1 + 72 mm.
- VDI no. 4.19 with ERC 220: with DZ mast: l1 + 71 mm. with M Li-ion battery compartment: l1 - 72 mm.
- VDI no. 4.20 with ERC 212 / 214 / 216: with DZ mast: l2 + 42 mm; with M Li-ion battery compartment: l2 + 0 mm, L-VBE or L-LBE: l2 + 72 mm.
- VDI no. 4.20 with ERC 220: with DZ mast: l2 + 71 mm. with M Li-ion battery compartment: l2 - 72 mm.
- VDI no. 4.34.1 with ERC 212 / 214 / 216: diagonal as per VDI: aisle width + 215 mm; with M Li-ion battery compartment: aisle width + 0 mm, L-VBE or L-LBE: aisle width + 72 mm; with DZ mast: aisle width + 42 mm.
- VDI no. 4.34.1 with ERC 220: diagonal as per VDI: aisle width + 215 mm; with DZ mast: aisle width + 71 mm. with M Li-ion battery compartment: aisle width - 72 mm.
- VDI no. 4.34.2 with ERC 212 / 214 / 216: diagonal as per VDI: aisle width + 138 mm; with M Li-ion battery compartment: aisle width + 0 mm, L-VBE or L-LBE: aisle width + 72 mm; with DZ mast: aisle width + 42 mm.
- VDI no. 4.34.2 with ERC 220: diagonal as per VDI: aisle width + 138 mm; with DZ mast: aisle width + 71 mm. with M Li-ion battery compartment: aisle width - 72 mm.
- VDI no. 4.35 with ERC 212 / 214 / 216: with M Li-ion battery compartment: Wa + 0 mm, L-VBE or L-LBE: Wa + 72 mm.
- VDI no. 4.35 with ERC 220: with DZ mast: Wa + 70 mm; with M Li-ion battery compartment: Wa - 72 mm.
- VDI no. 5.1: with Efficiency performance package without operator restraint system: 6.0 / 6.0 km/h; with operator restraint system: 9.0 / 9.0 km/h.
- VDI no. 5.3: with ZZ / DZ mast: the lowering speed in free lift is below the specified values.



The German production facilities in  
Norderstedt, Moosburg and Landsberg  
are certified as well as our Genuine Parts  
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ISO 9001  
ISO 14001

Jungheinrich fork lift trucks meet  
European safety requirements.



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