



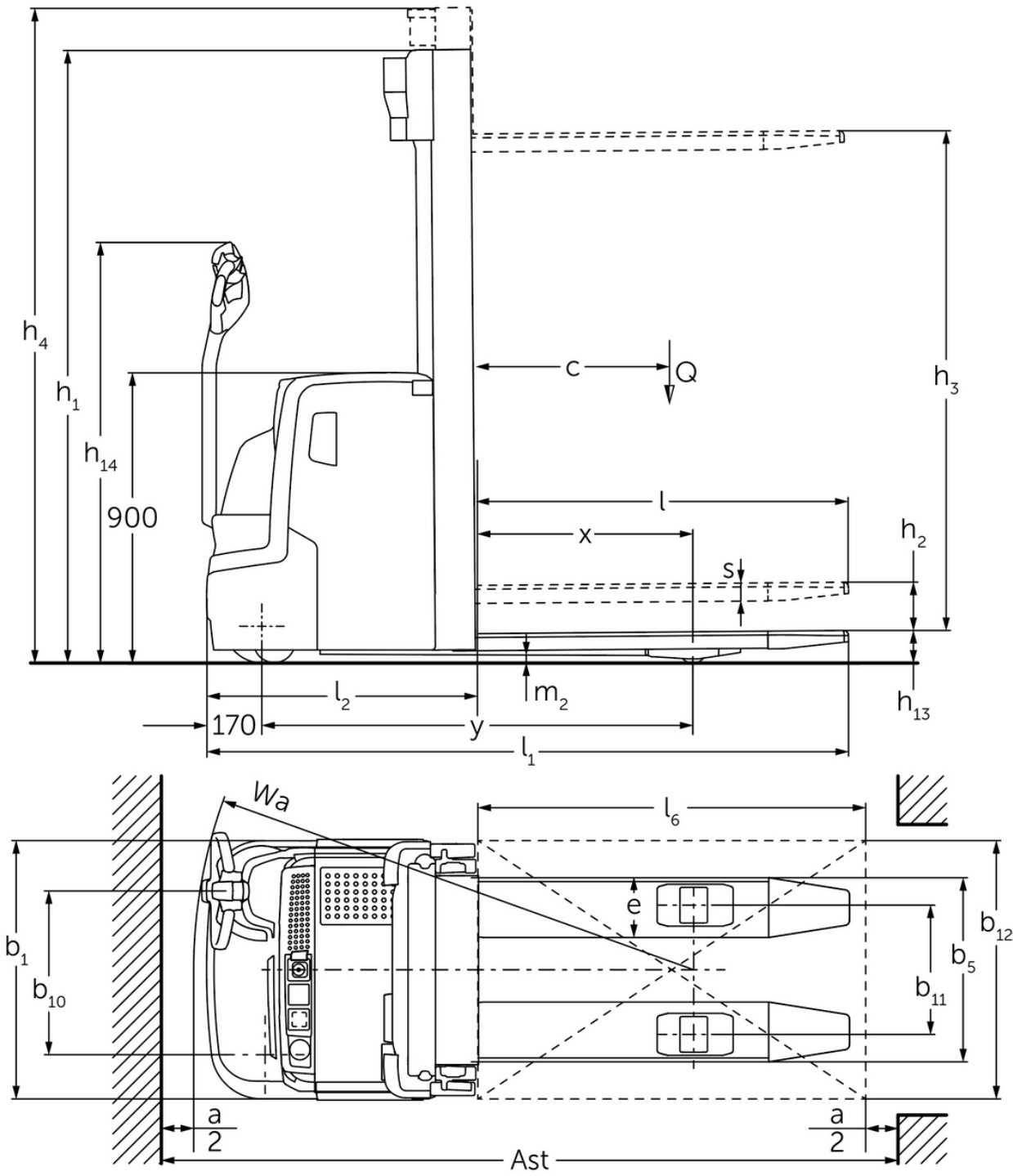
## **Electric pedestrian stacker with support arm lift**

**EJC 212z-220z**

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



EJC 212z-220z



**EJC 212z-220z**

| EJC 212z        |  | 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                   |
| EJC 214z        |  | 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                   |
|                    |           |                            |                |                           |
| EJC 214z, EJC 216z | Lift (h3) | Retracted mast height (h1) | Free lift (h2) | Extended mast height (h4) |
| Triplex mast DZ    | 6000 mm   | 2500 mm                    | 1968 mm        | 6532 mm                   |
| EJC 216z           | 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                   |
| EJC 220z           | 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                     |  |           | EJC 212z     | EJC 214z          | EJC 216z    | EJC 220z    |             |
|                  | 1.3    | Drive type                                          |  |           | electric     |                   |             |             |             |
|                  | 1.4    | Operation                                           |  |           | Pedestrian   |                   |             |             |             |
|                  | 1.5    | Load capacity/load                                  |  | Q         | kg           | 1200              | 1400        | 1600        | 2000        |
|                  | 1.5.1  | Rated capacity/load with mast lift                  |  | Q         | kg           | 1200              | 1400        | 1600        | 2000        |
|                  | 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           | 910               |             |             |             |
|                  | 1.9    | Wheelbase                                           |  | y         | mm           | 1571              | 1592        |             |             |
| Weights          | 2.1.1  | Service weight (incl. battery)                      |  |           | kg           | 1180              | 1240        | 1260        | 1300        |
|                  | 2.2    | Axle load laden front/rear                          |  |           | kg           | 1105 / 1275       | 1180 / 1460 | 1250 / 1610 | 1300 / 2000 |
|                  | 2.3    | Axle load unladen front/rear                        |  |           | kg           | 840 / 340         | 880 / 360   | 900 / 360   | 910 / 390   |
| Wheels/chassis   | 3.1    | Tyres                                               |  |           |              | Polyurethane (PU) |             |             |             |
|                  | 3.2    | Tyre size, front                                    |  |           |              | Ø 230 x 70        |             |             |             |
|                  | 3.3    | Tyre size, rear                                     |  |           |              | Ø 85 x 95         |             |             | Ø 85 x 75   |
|                  | 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           | 507               |             |             |             |
|                  | 3.7    | Tread width, rear                                   |  | b11       | mm           | 385               |             |             |             |
| 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        |
|                  | 4.6    | Initial lift                                        |  | h5        | mm           | 122               |             |             |             |
|                  | 4.9    | Height of tiller handle in drive position min./max. |  | h14       | mm           | 850 / 1305        |             |             |             |
|                  | 4.15   | Height, lowered                                     |  | h13       | mm           | 90                |             |             |             |
|                  | 4.19   | Total length                                        |  | l1        | mm           | 1981              | 2002        |             |             |
|                  | 4.20   | Length including fork shank                         |  | l2        | mm           | 831               | 852         |             |             |
|                  | 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           | 18                |             |             |             |
|                  | 4.34.1 | Aisle width (pallet 1000x1200 sideways)             |  | Ast       | mm           | 2217              | 2238        |             |             |
|                  | 4.34.2 | Aisle width (pallet 800x1200 length)                |  | Ast       | mm           | 2267              | 2288        |             |             |
|                  | 4.35   | Turning radius                                      |  | Wa        | mm           | 1777              | 1798        |             |             |

|                                                                                                                                                                                                   |       |                                           |        |             |            |            |             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------------------------------------------|--------|-------------|------------|------------|-------------|
| Performance data                                                                                                                                                                                  | 5.1   | Travel speed laden/unladen                | km/h   | 6 / 6       |            |            |             |
|                                                                                                                                                                                                   | 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           | %      | 8 / 16      |            | 7 / 16     | 5 / 16      |
| Electric motor/electronics                                                                                                                                                                        | 6.1   | Drive motor, performance S2 60 min        | kW     | 1.6         |            |            |             |
|                                                                                                                                                                                                   | 6.2   | Lift motor, performance with S3           | kW     | 3           |            |            |             |
|                                                                                                                                                                                                   | 6.3   | Battery according to DIN 43531/35/36      |        | no          |            |            |             |
|                                                                                                                                                                                                   | 6.4   | Battery voltage/nominal capacity          | V / Ah | 24 / 375    |            |            |             |
|                                                                                                                                                                                                   | 6.5   | Battery weight                            | kg     | 300         |            |            | 288         |
|                                                                                                                                                                                                   | 6.6   | Energy consumption according to VDI cycle | kWh/h  | 1.05        | 1.18       | 1.32       | 0           |
|                                                                                                                                                                                                   | 6.6.1 | Energy consumption according to EN cycle  | kWh/h  | 0.77        | 0.83       | 0.91       | 1.08        |
|                                                                                                                                                                                                   | 6.6.2 | CO2 equivalent as per EN 16796            | kg/h   | 0.4         |            | 0.5        | 0.6         |
| Other                                                                                                                                                                                             | 8.1   | Type of drive control                     |        | AC          |            |            |             |
|                                                                                                                                                                                                   | 10.7  | Sound pressure level according to EN12053 | dB (A) | 63          |            |            |             |
| - 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 LX-LBE battery compartment; mast ZT2800 / 2840 / 2900 mm, raised support arms. The battery compartments have no influence on the truck dimensions.

- VDI no. 1.8 with EJC 212z / 214z / 216z: with DZ mast: x - 42 mm; with lowered support arms: x + 54 mm.
- VDI no. 1.8 with EJC 220z: with DZ mast: x - 71 mm; with lowered support arms: x + 54 mm.
- VDI no. 1.9: with lowered support arms: x + 54 mm.
- VDI no. 3.3: tandem: Ø 85 x 75 mm.
- VDI no. 4.19 with EJC 212z / 214z / 216z: with DZ mast: l1 + 42 mm.
- VDI no. 4.19 with EJC 220z: with DZ mast: l1 + 71 mm.
- VDI no. 4.20 with EJC 212z / 214z / 216z: with DZ mast: l2 + 42 mm.
- VDI no. 4.20 with EJC 220z: with DZ mast: l2 + 71 mm.
- VDI no. 4.34.1 with EJC 212z / 214z / 216z: diagonal as per VDI: aisle width + 367 mm. with DZ mast: aisle width + 42 mm.
- VDI no. 4.34.1 with EJC 220z: diagonal as per VDI: aisle width + 367 mm. with DZ mast: aisle width + 71 mm.
- VDI no. 4.34.2 with EJC 212z / 214z / 216z: diagonal as per VDI: aisle width + 204 mm. with DZ mast: aisle width + 42 mm.
- VDI no. 4.34.2 with EJC 220z: diagonal as per VDI: aisle width + 204 mm. with DZ mast: aisle width + 71 mm.
- VDI no. 4.35: with lowered support arms: + 54 mm.
- VDI no. 5.3: with ZZ / DZ mast: the lowering speed in free lift is below the specified values.
- VDI no. 5.8: the values in the table relate to the rated load (1.5). With maximum load in the support arm lift (1.5.2): max. gradeability laden = 5%.

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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