

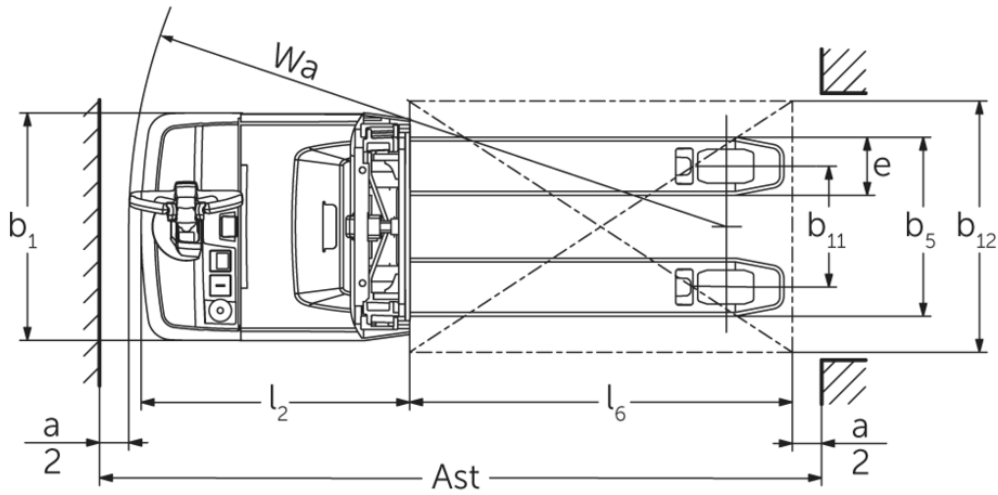
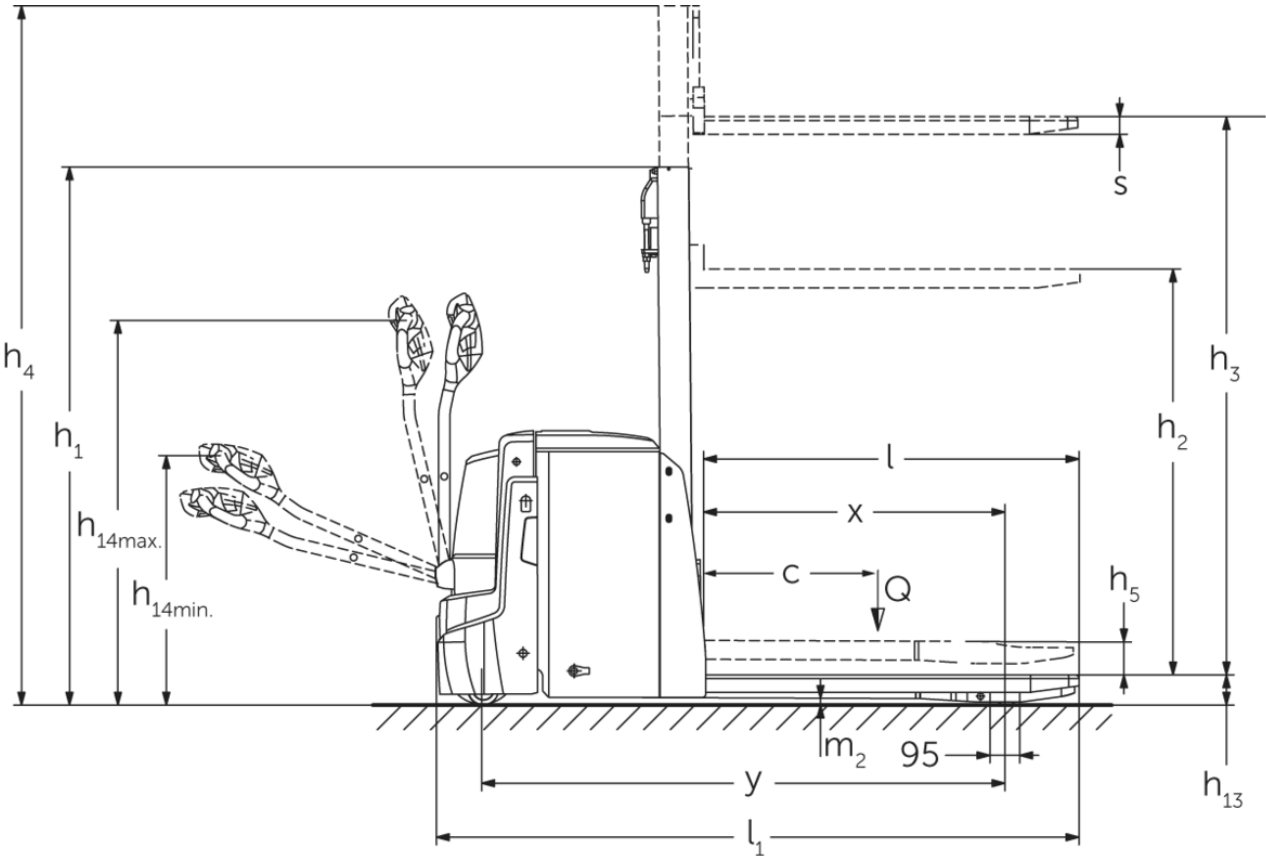


## **Electric pedestrian stacker with support arm lift**

**EJD 120/222**

Lift height: 1500-2905 mm / Load capacity: 2000-2200 kg

EJD 120/222



# EJD 120/222

| EJD 120, EJD 222 | Lift (h3) | Retracted mast height (h1) | Free lift (h2) | Extended mast height (h4) |
|------------------|-----------|----------------------------|----------------|---------------------------|
| Duplex mast ZT   | 1660 mm   | 1306 mm                    | 100 mm         | 2115 mm                   |
|                  | 2010 mm   | 1481 mm                    | 100 mm         | 2465 mm                   |
|                  | 2100 mm   | 1526 mm                    | 100 mm         | 2555 mm                   |
| Single mast E    | 1500 mm   | 1921 mm                    | 1468 mm        | 1953 mm                   |
|                  | 1660 mm   | 2081 mm                    | 1628 mm        | 2113 mm                   |
|                  | 2100 mm   | 2521 mm                    | 2068 mm        | 2553 mm                   |
| EJD 222          | Lift (h3) | Retracted mast height (h1) | Free lift (h2) | Extended mast height (h4) |
| Duplex mast ZT   | 2560 mm   | 1756 mm                    | 100 mm         | 3015 mm                   |
|                  | 2900 mm   | 1926 mm                    | 100 mm         | 3355 mm                   |
| Triplex mast DT  | 2050 mm   | 1213 mm                    | 100 mm         | 2513 mm                   |
|                  | 2350 mm   | 1313 mm                    | 100 mm         | 2813 mm                   |
|                  | 2500 mm   | 1363 mm                    | 100 mm         | 2963 mm                   |
|                  | 2905 mm   | 1498 mm                    | 100 mm         | 3368 mm                   |

# VDI table

|                  |        |                                                     |              |                       |             |
|------------------|--------|-----------------------------------------------------|--------------|-----------------------|-------------|
| Characteristic   | 1.1    | Manufacturer (abbreviated description)              |              | Jungheinrich          |             |
|                  | 1.2    | Manufacturer's type designation                     |              | EJD 120               | EJD 222     |
|                  | 1.3    | Drive type                                          |              | electric              |             |
|                  | 1.4    | Operation                                           |              | Pedestrian            |             |
|                  | 1.5    | Load capacity/load                                  | Q kg         | 2000                  | 2200        |
|                  | 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                  | 2200        |
|                  | 1.6    | Load centre distance                                | c mm         | 600                   |             |
|                  | 1.8    | Load distance, centre of drive axle to fork         | x mm         | 940                   | 953         |
|                  | 1.9    | Wheelbase                                           | y mm         | 1495                  | 1664        |
| Weights          | 2.1    | Netto weight                                        | kg           | 662                   | 725         |
|                  | 2.1.1  | Service weight (incl. battery)                      | kg           | 812                   | 935         |
|                  | 2.2    | Axle load laden front/rear                          | kg           | 1081 / 1738           | 1116 / 2024 |
|                  | 2.3    | Axle load unladen front/rear                        | kg           | 585 / 227             | 664 / 271   |
| Wheels/chassis   | 3.1    | Tyres                                               |              | Polyurethane (PU)     |             |
|                  | 3.2    | Tyre size, front                                    |              | Ø 230 x 65            |             |
|                  | 3.3    | Tyre size, rear                                     |              | Ø 85 x 95 / Ø 85 x 75 |             |
|                  | 3.4    | Additional wheels                                   |              | Ø 100 x 40            |             |
|                  | 3.5    | Wheels, number front/back (x=driven)                |              | 1x +2/2 oder 4        |             |
|                  | 3.6    | Tread width, front                                  | b10 mm       | 520                   | 522         |
|                  | 3.7    | Tread width, rear                                   | b11 mm       | 350                   | 385         |
| Basic dimensions | 4.2    | Retracted mast height (h1)                          | h1 mm        | 1265                  | 1306        |
|                  | 4.3    | Free lift (h2)                                      | h2 mm        | 90                    | 100         |
|                  | 4.4    | Lift (h3)                                           | h3 mm        | 1660                  |             |
|                  | 4.5    | Extended mast height (h4)                           | h4 mm        | 2116                  | 2115        |
|                  | 4.6    | Initial lift                                        | h5 mm        | 120                   |             |
|                  | 4.9    | Height of tiller handle in drive position min./max. | h14 mm       | 820 / 1237            | 750 / 1237  |
|                  | 4.15   | Height, lowered                                     | h13 mm       | 93                    | 90          |
|                  | 4.19   | Total length                                        | l1 mm        | 1847                  | 2046        |
|                  | 4.20   | Length including fork shank                         | l2 mm        | 684                   | 783         |
|                  | 4.21.1 | total width                                         | b1 mm        | 726                   |             |
|                  | 4.22   | Fork dimensions                                     | s/e/<br>l mm | 56 x 185 x 1190       |             |
|                  | 4.25   | Width across forks                                  | b5 mm        | 535                   | 570         |
|                  | 4.32   | Ground clearance centre of wheelbase                | m2 mm        | 23                    | 20          |
|                  | 4.34.1 | Aisle width (pallet 1000x1200 sideways)             | Ast mm       | 2469                  | 2578        |
|                  | 4.34.2 | Aisle width (pallet 800x1200 length)                | Ast mm       | 2343                  | 2447        |
|                  | 4.35   | Turning radius                                      | Wa mm        | 1666                  | 1776        |

|                                                                                                                                                                                                   |       |                                           |        |             |          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------------------------------------------|--------|-------------|----------|
| Performance data                                                                                                                                                                                  | 5.1   | Travel speed laden/unladen                | km/h   | 6 / 6       |          |
|                                                                                                                                                                                                   | 5.2   | Lift speed laden/unladen                  | m/s    | 0.14 / 0.25 |          |
|                                                                                                                                                                                                   | 5.3   | Lowering speed laden/unladen              | m/s    | 0.31 / 0.25 |          |
|                                                                                                                                                                                                   | 5.8   | Max. gradeability laden/unladen           | %      | 8 / 15      | 10 / 15  |
|                                                                                                                                                                                                   | 5.10  | Service brake                             |        | generative  |          |
| Electric motor/electronics                                                                                                                                                                        | 6.1   | Drive motor, performance S2 60 min        | kW     | 1.1         | 1.7      |
|                                                                                                                                                                                                   | 6.2   | Lift motor, performance with S3           | kW     | 2.2         |          |
|                                                                                                                                                                                                   | 6.3   | Battery according to DIN 43531/35/36      |        | DIN 43535 B |          |
|                                                                                                                                                                                                   | 6.4   | Battery voltage/nominal capacity          | V / Ah | 24 / 150    | 24 / 250 |
|                                                                                                                                                                                                   | 6.5   | Battery weight                            | kg     | 150         | 210      |
|                                                                                                                                                                                                   | 6.6   | Energy consumption according to VDI cycle | kWh/h  | 0           |          |
|                                                                                                                                                                                                   | 6.6.1 | Energy consumption according to EN cycle  | kWh/h  | 0.54        | 0.61     |
|                                                                                                                                                                                                   | 6.6.2 | CO2 equivalent as per EN 16796            | kg/h   | 0.3         |          |
|                                                                                                                                                                                                   | 6.7   | Throughput                                | t/h    | 41          | 37       |
|                                                                                                                                                                                                   | 6.8   | Turnover efficiency according to VDI 2198 | t/kWh  | 49          | 39       |
|                                                                                                                                                                                                   | 6.8.1 | Energy consumption with max. throughput   | kWh/h  | 0.84        | -        |
| Other                                                                                                                                                                                             | 8.1   | Type of drive control                     |        | AC          |          |
|                                                                                                                                                                                                   | 10.7  | Sound pressure level according to EN12053 | dB (A) | 67          |          |
| - 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. |       |                                           |        |             |          |

#### EJD 120:

The values in the table apply for the S-VBE battery compartment, ZT1660 mast, raised support arm lift.

- VDI no. 1.5: rated capacity in double-decker mode: support arm lift: 1.0 t / mast lift: 1.0 t.
- VDI no. 1.8: with lowered support arms: x + 56 mm.
- VDI no. 1.9: with lowered support arms: y + 56 mm; with M-VBE battery compartment: y + 74 mm, M Li-ion y + 142 mm.
- VDI no. 4.19: with M-VBE battery compartment: l1 ≥ 74 mm, M Li-ion: l1 + 142 mm.
- VDI no. 4.20: with M-VBE battery compartment: l2 ≥ 74 mm, M Li-ion: l2 + 142 mm.
- VDI no. 4.34.1: with lowered support arms: aisle width + 54 mm; with M-VBE battery compartment: aisle width + 74 mm; M Li-ion: aisle width + 142 mm.
- VDI no. 4.34.2: with lowered support arms: aisle width + 29 mm; with M-VBE battery compartment: aisle width + 74 mm; M Li-ion: aisle width + 142 mm.
- VDI no. 4.35: with lowered support arms: Wa + 56 mm; with M-VBE battery compartment: Wa + 74 mm; M Li-ion: Wa + 142 mm.
- VDI no. 5.2: lift speed laden / unladen for support arm lift: 0.05 / 0.05 km/h.
- VDI no. 5.3: lowering speed laden / unladen for support arm lift: 0.03 / 0.05 km/h.
- VDI no. 6.2: specified value with S3 = 5% power-on time.

#### EJD 222:

The values in the table apply for the M-LBE battery compartment, ZT1660 mast, raised support arm lift.

- VDI no. 1.5: rated capacity in double-decker mode: support arm lift: 1.0 t / mast lift: 1.0 t.
- VDI no. 1.8: with lowered support arms: x + 56 mm.
- VDI no. 1.9: with lowered support arms: y + 56 mm; with M-VBE battery compartment: y + 72 mm; with L-VBE battery compartment: y + 117 mm.
- VDI no. 4.19: with M-VBE battery compartment: l1 + 72 mm; with L-VBE battery compartment: l1 + 117 mm.
- VDI no. 4.20: with M-VBE battery compartment: l2 + 72 mm; with L-VBE battery compartment: l2 + 117 mm.
- VDI no. 4.34.1: with lowered support arms: aisle width + 54 mm; with M-VBE battery compartment: aisle width + 72 mm; with L-VBE battery compartment: aisle width + 117 mm.
- VDI no. 4.34.2: with lowered support arms: aisle width + 29 mm; with M-VBE battery compartment: aisle width + 72 mm; with L-VBE battery compartment: aisle width + 117 mm.

- VDI no. 4.35: with lowered support arms:  $W_a + 56$  mm; with M-VBE battery compartment:  $W_a + 72$  mm; with L-VBE battery compartment:  $W_a + 117$  mm.
- VDI no. 5.2: lift speed laden / unladen for support arm lift: 0.05 / 0.05 km/h
- VDI no. 5.3: lowering speed laden / unladen for support arm lift: 0.025 / 0.05 km/h
- VDI no. 6.2: specified value with  $S3 = 5\%$  power-on time.

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**