



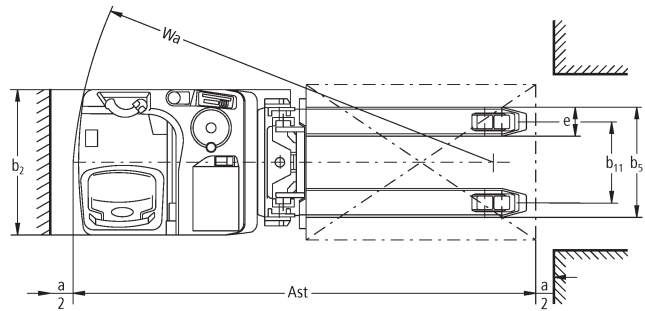
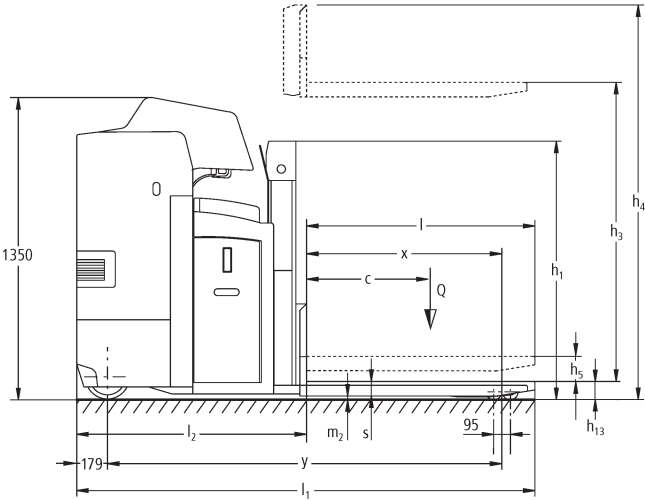
## **Electric stand-on and sideways-seated stacker**

**ESD 120**

Lift height: 1660-1960 mm / Load capacity: 2000 kg



ESD 120



# ESD 120

| ESD 120        | Lift (h3) | Retracted mast height (h1) | Free lift (h2) | Extended mast height (h4) |
|----------------|-----------|----------------------------|----------------|---------------------------|
| Duplex mast ZT | 1660 mm   | 1250 mm                    | 100 mm         | 2200 mm                   |
|                | 1960 mm   | 1425 mm                    | 100 mm         | 2500 mm                   |

# VDI table

|                          |        |                                             |       |    |                   |
|--------------------------|--------|---------------------------------------------|-------|----|-------------------|
| Characteristic           | 1.1    | Manufacturer (abbreviated description)      |       |    | Jungheinrich      |
|                          | 1.2    | Manufacturer's type designation             |       |    | ESD 120           |
|                          | 1.3    | Drive                                       |       |    | Electric          |
|                          | 1.4    | Operation                                   |       |    | Stand-on          |
|                          | 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 | 930               |
|                          | 1.9    | Wheelbase                                   | y     | mm | 1835              |
| Weights                  | 2.1    | tare weight                                 |       | kg | 1258              |
|                          | 2.1.1  | Service weight (incl. battery)              |       | kg | 1258              |
|                          | 2.2    | Axle load laden front/rear                  |       | kg | 1220 / 2038       |
|                          | 2.3    | Axle load unladen front/rear                |       | kg | 884 / 374         |
| 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 75         |
|                          | 3.4    | Additional wheels                           |       |    | Ø 140 x 57        |
|                          | 3.5    | Wheels, number front/back (x=driven)        |       |    | 1 + 1x / 4        |
|                          | 3.6    | Tread width, front                          | b10   | mm | 485               |
|                          | 3.7    | Tread width, rear                           | b11   | mm | 380               |
| Basic dimensions         | 4.2    | Retracted mast height (h1)                  | h1    | mm | 1250              |
|                          | 4.3    | Free lift (h2)                              | h2    | mm | 100               |
|                          | 4.4    | Lift (h3)                                   | h3    | mm | 1660              |
|                          | 4.5    | Extended mast height (h4)                   | h4    | mm | 2200              |
|                          | 4.6    | Initial lift                                | h5    | mm | 105               |
|                          | 4.8    | Seat height/stand height                    | h7    | mm | 245               |
|                          | 4.15   | Height, lowered                             | h13   | mm | 90                |
|                          | 4.19   | total length                                | l1    | mm | 2260              |
|                          | 4.20   | Length including fork shank                 | l2    | mm | 1070              |
|                          | 4.21.1 | total width                                 | b1    | mm | 760               |
|                          | 4.22   | Fork dimensions                             | s/e/l | mm | 60 x 190 x 1190   |
|                          | 4.25   | Width across forks                          | b5    | mm | 570               |
|                          | 4.32   | Ground clearance centre of wheelbase        | m2    | mm | 20                |
|                          | 4.34.2 | Aisle width (pallet 800x1200 length)        | Ast   | mm | 2485              |
|                          | 4.35   | Turning radius                              | Wa    | mm | 2015              |

|                                                                                                                                                                                                   |       |                                           |        |             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------------------------------------------|--------|-------------|
| Performance data                                                                                                                                                                                  | 5.1   | Travel speed laden/unladen                | km/h   | 10 / 12     |
|                                                                                                                                                                                                   | 5.2   | Lift speed laden/unladen                  | m/s    | 0.14 / 0.22 |
|                                                                                                                                                                                                   | 5.3   | Lowering speed laden/unladen              | m/s    | 0.23 / 0.17 |
|                                                                                                                                                                                                   | 5.8   | Max. gradeability laden/unladen           | %      | 6 / 12      |
|                                                                                                                                                                                                   | 5.10  | Service brake                             |        | generative  |
| E-motor/Electronics                                                                                                                                                                               | 6.1   | Drive motor, performance S2 60 min        | kW     | 2.8         |
|                                                                                                                                                                                                   | 6.2   | Lift motor, performance with S3           | kW     | 2.2         |
|                                                                                                                                                                                                   | 6.3   | Battery according to DIN 43531/35/36      |        | B           |
|                                                                                                                                                                                                   | 6.4   | Battery voltage/nominal capacity          | V / Ah | 24 / 375    |
|                                                                                                                                                                                                   | 6.5   | Battery weight                            | kg     | 297         |
|                                                                                                                                                                                                   | 6.6   | Energy consumption according to VDI cycle | kWh/h  | 0           |
|                                                                                                                                                                                                   | 6.6.1 | Energy consumption according to EN cycle  | kWh/h  | 0.66        |
|                                                                                                                                                                                                   | 6.6.2 | CO2 equivalent as per EN 16796            | kg/h   | 0.4         |
| Other                                                                                                                                                                                             | 8.1   | Type of drive control                     |        | AC          |
| - 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 L-LBE battery compartment, ZT1660 mast, raised support arm lift.

- VDI no. 1.5: in double-decker mode: mast lift max. 1 t / overall load max. 2 t.
- VDI no. 1.5.2: in double-decker mode: mast lift max. 1 t / overall load max. 2 t.
- VDI no. 1.8: lowered support arm lift: x + 70 mm.
- VDI no. 1.9: lowered support arm lift: y + 70 mm. with XL-LBE battery compartment: y + 72 mm.
- VDI no. 4.19: with XL-LBE battery compartment: l1 + 72 mm.
- VDI no. 4.20: with XL-LBE battery compartment: l2 + 72 mm.
- VDI no. 4.34.1: with XL-LBE battery compartment: aisle width + 72 mm.
- VDI no. 4.35: lowered support arm lift: Wa + 70 mm. with XL-LBE battery compartment: Wa + 72 mm.

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**