



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

**ESD 220**

Lift height: 1660 mm / Load capacity: 2000 kg



ESD 220



# ESD 220

| ESD 220        | Lift (h3) | Retracted mast height (h1) | Free lift (h2) | Extended mast height (h4) |
|----------------|-----------|----------------------------|----------------|---------------------------|
| Duplex mast ZT | 1660 mm   | 1310 mm                    | 100 mm         | 2150 mm                   |

## VDI table

|                  |        |                                             |          |                   |
|------------------|--------|---------------------------------------------|----------|-------------------|
| Characteristic   | 1.1    | Manufacturer (abbreviated description)      |          | Jungheinrich      |
|                  | 1.2    | Manufacturer's type designation             |          | ESD 220           |
|                  | 1.3    | Drive type                                  |          | electric          |
|                  | 1.4    | Operation                                   |          | Seat              |
|                  | 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     | 1004              |
|                  | 1.9    | Wheelbase                                   | y mm     | 1820              |
| Weights          | 2.1.1  | Service weight (incl. battery)              | kg       | 1350              |
|                  | 2.2    | Axle load laden front/rear                  | kg       | 1340 / 2010       |
|                  | 2.3    | Axle load unladen front/rear                | kg       | 982 / 368         |
| Wheels/chassis   | 3.1    | Tyres                                       |          | Polyurethane (PU) |
|                  | 3.2    | Tyre size, front                            |          | Ø 230 x 77        |
|                  | 3.3    | Tyre size, rear                             |          | Ø 85 x 85         |
|                  | 3.4    | Additional wheels                           |          | Ø 140 x 54        |
|                  | 3.5    | Wheels, number front/back (x=driven)        |          | 2 + 1x / 4        |
|                  | 3.6    | Tread width, front                          | b10 mm   | 544               |
|                  | 3.7    | Tread width, rear                           | b11 mm   | 380               |
| Basic dimensions | 4.2    | Retracted mast height (h1)                  | h1 mm    | 1310              |
|                  | 4.3    | Free lift (h2)                              | h2 mm    | 100               |
|                  | 4.4    | Lift (h3)                                   | h3 mm    | 1660              |
|                  | 4.5    | Extended mast height (h4)                   | h4 mm    | 2150              |
|                  | 4.6    | Initial lift                                | h5 mm    | 110               |
|                  | 4.8    | Seat height/stand height                    | h7 mm    | 1020              |
|                  | 4.15   | Height, lowered                             | h13 mm   | 95                |
|                  | 4.19   | Total length                                | l1 mm    | 2185              |
|                  | 4.20   | Length including fork shank                 | l2 mm    | 995               |
|                  | 4.21.1 | total width                                 | b1 mm    | 820               |
|                  | 4.22   | Fork dimensions                             | s/e/l mm | 65 x 185 x 1190   |
|                  | 4.25   | Width across forks                          | b5 mm    | 570               |
|                  | 4.32   | Ground clearance centre of wheelbase        | m2 mm    | 25                |
|                  | 4.34.2 | Aisle width (pallet 800x1200 length)        | Ast mm   | 2399              |
|                  | 4.35   | Turning radius                              | Wa mm    | 2003              |
| Performance data | 5.1    | Travel speed laden/unladen                  | km/h     | 9.1 / 9.1         |
|                  | 5.2    | Lift speed laden/unladen                    | m/s      | 0.2 / 0.39        |
|                  | 5.3    | Lowering speed laden/unladen                | m/s      | 0.47 / 0.47       |
|                  | 5.8    | Max. gradeability laden/unladen             | %        | 8 / 14            |
|                  | 5.10   | Service brake                               |          | generative        |

|                                                                                                                                                                                                   |       |                                           |        |          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------------------------------------------|--------|----------|
| Electric motor/electronics                                                                                                                                                                        | 6.1   | Drive motor, performance S2 60 min        | kW     | 2.8      |
|                                                                                                                                                                                                   | 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 / 465 |
|                                                                                                                                                                                                   | 6.5   | Battery weight                            | kg     | 380      |
|                                                                                                                                                                                                   | 6.6   | Energy consumption according to VDI cycle | kWh/h  | 0        |
|                                                                                                                                                                                                   | 6.6.1 | Energy consumption according to EN cycle  | kWh/h  | 0.61     |
|                                                                                                                                                                                                   | 6.6.2 | CO2 equivalent according to EN ISO 23308  | kg/h0  | 0.3      |
| 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 mast ZT 1660, lowered support arm lift.

VDI no. 1.8: raised support arm lift: x - 78 mm.

VDI no. 1.9: raised support arm lift: y - 78 mm.

VDI no. 4.35: raised support arm lift: Wa - 78 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 fork lift trucks meet European  
safety requirements.



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