



## Electric stand-on pallet truck

### **ESE 120**

Lift height: 125 mm / Load capacity: 2000 kg



# VDI table

|                          |        |                                             |          |                   |
|--------------------------|--------|---------------------------------------------|----------|-------------------|
| Characteristic           | 1.1    | Manufacturer (abbreviated description)      |          | Jungheinrich      |
|                          | 1.2    | Manufacturer's type designation             |          | ESE 120           |
|                          | 1.3    | Drive                                       |          | Electric          |
|                          | 1.4    | Operation                                   |          | Stand-on          |
|                          | 1.5    | Load capacity/load                          | Q kg     | 2000              |
|                          | 1.6    | Load centre distance                        | c mm     | 600               |
|                          | 1.8    | Load distance, centre of drive axle to fork | x mm     | 964               |
|                          | 1.9    | Wheelbase                                   | y mm     | 1595              |
| Weights                  | 2.1.1  | Service weight (incl. battery)              | kg       | 857               |
|                          | 2.2    | Axle load laden front/rear                  | kg       | 1840 / 1017       |
|                          | 2.3    | Axle load unladen front/rear                | kg       | 215 / 642         |
| Wheels/suspension system | 3.1    | Tyres                                       |          | Polyurethane (PU) |
|                          | 3.2    | Tyre size, front                            |          | Ø 230 x 77        |
|                          | 3.3    | Tyre size, rear                             |          | Ø 85x85           |
|                          | 3.4    | Additional wheels                           |          | Ø 140 x 57        |
|                          | 3.5    | Wheels, number front/back (x=driven)        |          | 2 - 1x / 4        |
|                          | 3.6    | Tread width, front                          | b10 mm   | 485               |
|                          | 3.7    | Tread width, rear                           | b11 mm   | 370               |
| Basic dimensions         | 4.4    | Lift (h3)                                   | h3 mm    | 125               |
|                          | 4.15   | Height, lowered                             | h13 mm   | 90                |
|                          | 4.19   | total length                                | l1 mm    | 2024              |
|                          | 4.20   | Length including fork shank                 | l2 mm    | 874               |
|                          | 4.21.1 | total width                                 | b1 mm    | 760               |
|                          | 4.22   | Fork dimensions                             | s/e/l mm | 55 x 170 x 1150   |
|                          | 4.25   | Width across forks                          | b5 mm    | 540               |
|                          | 4.32   | Ground clearance centre of wheelbase        | m2 mm    | 30                |
|                          | 4.34.2 | Aisle width (pallet 800x1200 length)        | Ast mm   | 2274              |
|                          | 4.35   | Turning radius                              | Wa mm    | 1838              |
| Performance data         | 5.1    | Travel speed laden/unladen                  | km/h     | 10 / 12.5         |
|                          | 5.2    | Lift speed laden/unladen                    | m/s      | 0.04 / 0.05       |
|                          | 5.3    | Lowering speed laden/unladen                | m/s      | 0.07 / 0.05       |
|                          | 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        |
|                                                                                                                                                                                                   | 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  | 0.35     |
|                                                                                                                                                                                                   | 6.6.2 | CO2 equivalent as per EN 16796            | kg/h   | 0.2      |
| 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 battery compartment, fork length 1,150 mm, raised support arm lift.

- VDI no. 1.8: lowered load section: x + 90 mm.
- VDI no. 1.9: lowered load section: y + 65 mm.
- VDI no. 4.20: XL battery compartment: l2 + 72 mm.
- VDI no. 4.34: diagonal as per VDI: aisle width + 188 mm.

The German production facilities in  
Norderstedt, Moosburg and Landsberg  
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ISO 9001  
ISO 14001

 **JUNGHEINRICH**