



## 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  
are certified as well as our Genuine Parts  
Center in Kaltenkirchen.

ISO 9001  
ISO 14001

Jungheinrich fork lift trucks meet  
European safety requirements.



 **JUNGHEINRICH**