



## Low level order pickers with ergonomic lift

**ECD 320**

Lift height: 700-1500 mm / Load capacity: 2000 kg



Technical drawing of a crane with dimensions and load parameters. The drawing shows a side view of the crane structure, including the boom, counterweight, and base. Key dimensions and parameters are labeled:

- Vertical dimensions (from bottom to top): 1374, 1017, 438, 175, 125,  $s_1$ ,  $m_2$ ,  $h_3$ ,  $h_5$ ,  $h_{13}$ .
- Horizontal dimensions (from left to right): 50, 218, 380, 415, 253, 197,  $x$ ,  $y$ ,  $l_1$ .
- Intermediate horizontal dimensions: (498), (465).
- Load parameters:  $c$  (distance from boom tip to load),  $Q$  (load weight),  $l$  (boom length),  $95$  (distance from boom tip to counterweight),  $E$  (counterweight weight).



# VDI table

|                  |        |                                                          |          |                       |
|------------------|--------|----------------------------------------------------------|----------|-----------------------|
| Characteristic   | 1.1    | Manufacturer (abbreviated description)                   |          | Jungheinrich          |
|                  | 1.2    | Manufacturer's type designation                          |          | ECD 320               |
|                  | 1.3    | Drive type                                               |          | electric              |
|                  | 1.4    | Operation                                                |          | Order pickers         |
|                  | 1.5    | Load capacity/load                                       | Q kg     | 2000                  |
|                  | 1.6    | Load centre distance                                     | c mm     | 1300                  |
|                  | 1.8    | Load distance, centre of drive axle to fork              | x mm     | 1718                  |
|                  | 1.9    | Wheelbase                                                | y mm     | 2981                  |
| Weights          | 2.1.1  | Service weight (incl. battery)                           | kg       | 1235                  |
|                  | 2.2    | Axle load laden front/rear                               | kg       | 1155 / 2080           |
|                  | 2.3    | Axle load unladen front/rear                             | kg       | 920 / 315             |
| Wheels/chassis   | 3.1    | Tyres                                                    |          | Polyurethane (PU)     |
|                  | 3.2    | Tyre size, front                                         |          | Ø 230 x 78            |
|                  | 3.3    | Tyre size, rear                                          |          | Ø 85 x 85             |
|                  | 3.4    | Additional wheels                                        |          | Ø 180 x 65            |
|                  | 3.5    | Wheels, number front/back (x=driven)                     |          | 1+1x/4                |
|                  | 3.6    | Tread width, front                                       | b10 mm   | 481                   |
|                  | 3.7    | Tread width, rear                                        | b11 mm   | 368                   |
| Basic dimensions | 4.4    | Lift (h3)                                                | h3 mm    | 700                   |
|                  | 4.9    | Height of tiller handle in drive position min./max.      | h14 mm   | 1374 / 1418           |
|                  | 4.15   | Height, lowered                                          | h13 mm   | 90                    |
|                  | 4.19   | Total length                                             | l1 mm    | 4081                  |
|                  | 4.20   | Length including fork shank                              | l2 mm    | 1480                  |
|                  | 4.21.1 | total width                                              | b1 mm    | 810                   |
|                  | 4.22   | Fork dimensions                                          | s/e/l mm | 65 x 172 x 2600       |
|                  | 4.25   | Width across forks                                       | b5 mm    | 540                   |
|                  | 4.32   | Ground clearance centre of wheelbase                     | m2 mm    | 25                    |
|                  | 4.34.2 | Aisle width (pallet 800x1200 length)                     | Ast mm   | 4281                  |
| Performance data | 5.1    | Travel speed laden/unladen (Efficiency   drivePLUS)      | km/h     | 9.2 / 12.5   9.2 / 14 |
|                  | 5.2    | Lift speed laden/unladen                                 | m/s      | 0.07 / 0.11           |
|                  | 5.3    | Lowering speed laden/unladen                             | m/s      | 0.07 / 0.06           |
|                  | 5.8    | Max. gradeability laden/unladen (Efficiency   drivePLUS) | %        | 6 / 15   6 / 15       |
|                  | 5.10   | Service brake                                            |          | generative            |

|                                                                                                                                                                                                   |       |                                                             |        |           |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------------------------------------------------------------|--------|-----------|
| Electric motor/electronics                                                                                                                                                                        | 6.1   | Drive motor, performance S2 60 min (Efficiency   drivePLUS) | kW     | 2.8   3.2 |
|                                                                                                                                                                                                   | 6.2   | Lift motor, performance with S3                             | kW     | 1.5       |
|                                                                                                                                                                                                   | 6.4   | Battery voltage/nominal capacity                            | V / Ah | 24 / 465  |
|                                                                                                                                                                                                   | 6.5   | Battery weight                                              | kg     | 370       |
|                                                                                                                                                                                                   | 6.6.1 | Energy consumption according to EN cycle                    | kWh/h  | 0.53      |
|                                                                                                                                                                                                   | 6.6.2 | CO2 equivalent as per EN 16796                              | kg/h   | 0.3       |
|                                                                                                                                                                                                   | 6.7   | Throughput                                                  | t/h    | 136       |
|                                                                                                                                                                                                   | 6.8.1 | Energy consumption with max. throughput                     | kWh/h  | 1.36      |
| Other                                                                                                                                                                                             | 8.1   | Type of drive control                                       |        | AC        |
|                                                                                                                                                                                                   | 10.5  | Steering version                                            |        | electric  |
|                                                                                                                                                                                                   | 10.7  | Sound pressure level according to EN12053                   | dB (A) | 62        |
| - 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. |       |                                                             |        |           |

Values for L battery compartment; fork length 2,450 mm; lift 700 mm; raised load section.

- VDI no. 1.8: with lowered load section:  $x + 82$  mm.
- VDI no. 1.9: with XL or XL (ERE) battery compartment:  $y + 118$  mm; with extended stand-on platform:  $y + 50$  mm; with lowered load section:  $y + 82$  mm.
- VDI no. 4.19: with XL or XL (ERE) battery compartment:  $l_1 + 118$  mm; with extended stand-on platform:  $l_1 + 50$  mm.
- VDI no. 4.20: with XL or XL (ERE) battery compartment:  $l_2 + 118$  mm; with extended stand-on platform:  $l_2 + 50$  mm.
- VDI no. 4.34.2: with XL or XL (ERE) battery compartment: aisle width + 118 mm; with extended stand-on platform: aisle width + 50 mm; diagonal as per VDI: aisle width + 94 mm.
- VDI no. 4.35: with XL or XL (ERE) battery compartment:  $W_a + 118$  mm; with extended stand-on platform:  $W_a + 50$  mm; with lowered load section:  $W_a + 82$  mm.
- VDI no. 6.2: with S3 10%.
- VDI no. 6.4: with XL battery compartment: 24 V / 620 Ah.
- VDI no. 6.5: with XL battery compartment: 460 kg.

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**