



## Horizontal-Kommissionierer mit Ergonomiehub

**ECD 320**

Hubhöhe: 700-1500 mm / Tragfähigkeit: 2000 kg



Technical drawing of a vehicle chassis showing dimensions and load distribution. The drawing includes a side view of the vehicle body and a detailed view of the chassis components. Key dimensions are labeled in millimeters (mm) and meters (m).

**Dimensions (mm):**

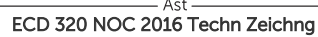
- Overall height: 1374
- Height from ground to top of chassis: 1017
- Height from ground to bottom of chassis: 438
- Height from ground to top of chassis (rear): 175
- Height from ground to top of chassis (front): 125
- Height from ground to top of chassis (middle): 197
- Height from ground to top of chassis (rear): 253
- Height from ground to top of chassis (front): 218
- Height from ground to top of chassis (middle): 380
- Height from ground to top of chassis (rear): 415
- Height from ground to top of chassis (front): 50

**Dimensions (m):**

- Overall length:  $l_1$
- Length from front axle to rear axle:  $l$
- Length from front axle to center of gravity:  $x$
- Length from front axle to rear axle:  $y$
- Length from front axle to rear axle:  $l_2$
- Length from front axle to rear axle:  $l_3$
- Length from front axle to rear axle:  $l_4$
- Length from front axle to rear axle:  $l_5$
- Length from front axle to rear axle:  $l_6$
- Length from front axle to rear axle:  $l_7$
- Length from front axle to rear axle:  $l_8$
- Length from front axle to rear axle:  $l_9$
- Length from front axle to rear axle:  $l_{10}$
- Length from front axle to rear axle:  $l_{11}$
- Length from front axle to rear axle:  $l_{12}$
- Length from front axle to rear axle:  $l_{13}$
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- Length from front axle to rear axle:  $l_{94}$
- Length from front axle to rear axle:  $l_{95}$
- Length from front axle to rear axle:  $l_{96}$
- Length from front axle to rear axle:  $l_{97}$
- Length from front axle to rear axle:  $l_{98}$
- Length from front axle to rear axle:  $l_{99}$
- Length from front axle to rear axle:  $l_{100}$

**Other labels:**

- $Q$ : Load
- $c$ : Distance from load to front axle
- $s_1$ : Distance from front axle to center of gravity
- $m_2$ : Mass of chassis
- $h_3$ : Height from ground to top of chassis (rear)
- $h_5$ : Height from ground to top of chassis (front)
- $h_{13}$ : Height from ground to top of chassis (middle)
- $z = 314$ : Distance from front axle to rear axle
- $95$ : Distance from front axle to rear axle
- $175$ : Distance from front axle to rear axle
- $125$ : Distance from front axle to rear axle
- $197$ : Distance from front axle to rear axle
- $253$ : Distance from front axle to rear axle
- $415$ : Distance from front axle to rear axle
- $380$ : Distance from front axle to rear axle
- $218$ : Distance from front axle to rear axle
- $50$ : Distance from front axle to rear axle



# VDI-Tabelle

|                  |        |                                                            |       |      |                       |
|------------------|--------|------------------------------------------------------------|-------|------|-----------------------|
| Kennzeichen      | 1.1    | Hersteller (Kurzbezeichnung)                               |       |      | Jungheinrich          |
|                  | 1.2    | Typzeichen des Herstellers                                 |       |      | ECD 320               |
|                  | 1.3    | Antrieb                                                    |       |      | Elektro               |
|                  | 1.4    | Bedienung                                                  |       |      | Kommissionierer       |
|                  | 1.5    | Tragfähigkeit/Last                                         | Q     | kg   | 2000                  |
|                  | 1.6    | Lastschwerpunktstand                                       | c     | mm   | 1300                  |
|                  | 1.8    | Lastabstand                                                | x     | mm   | 1718                  |
|                  | 1.9    | Radstand                                                   | y     | mm   | 2981                  |
| Gewichte         | 2.1.1  | Eigengewicht (inkl. Batterie)                              |       | kg   | 1235                  |
|                  | 2.2    | Achslast mit Last vorn/hinten                              |       | kg   | 1155 / 2080           |
|                  | 2.3    | Achslast ohne Last vorn/hinten                             |       | kg   | 920 / 315             |
| Räder/Fahrwerk   | 3.1    | Bereifung                                                  |       |      | Polyurethan (PU)      |
|                  | 3.2    | Reifengröße, vorn                                          |       |      | Ø 230 x 78            |
|                  | 3.3    | Reifengröße, hinten                                        |       |      | Ø 85 x 85             |
|                  | 3.4    | Zusatzräder                                                |       |      | Ø 180 x 65            |
|                  | 3.5    | Räder, Anzahl vorn/hinten (x=angetrieben)                  |       |      | 1+1x/4                |
|                  | 3.6    | Spurweite, vorn                                            | b10   | mm   | 481                   |
|                  | 3.7    | Spurweite, hinten                                          | b11   | mm   | 368                   |
| Grundabmessungen | 4.4    | Hub (h3)                                                   | h3    | mm   | 700                   |
|                  | 4.9    | Höhe Deichselgriff in Fahrstellung min./max.               | h14   | mm   | 1374 / 1418           |
|                  | 4.15   | Höhe gesenkt                                               | h13   | mm   | 90                    |
|                  | 4.19   | Gesamtlänge                                                | l1    | mm   | 4081                  |
|                  | 4.20   | Länge einschließlich Gabelrücken                           | l2    | mm   | 1480                  |
|                  | 4.21.1 | Gesamtbreite                                               | b1    | mm   | 810                   |
|                  | 4.22   | Gabelzinkenmaße                                            | s/e/l | mm   | 65 x 172 x 2600       |
|                  | 4.25   | Gabelaußenabstand                                          | b5    | mm   | 540                   |
|                  | 4.32   | Bodenfreiheit Mitte Radstand                               | m2    | mm   | 25                    |
|                  | 4.34.2 | Arbeitsgangbreite (Palette 800x1200 längs)                 | Ast   | mm   | 4281                  |
|                  | 4.35   | Wenderadius                                                | Wa    | mm   | 3199                  |
| Leistungsdaten   | 5.1    | Fahrgeschwindigkeit mit/ohne Last (Efficiency   drivePLUS) |       | km/h | 9,2 / 12,5   9,2 / 14 |
|                  | 5.2    | Hubgeschwindigkeit mit/ohne Last                           |       | m/s  | 0,07 / 0,11           |
|                  | 5.3    | Senkgeschwindigkeit mit/ohne Last                          |       | m/s  | 0,07 / 0,06           |
|                  | 5.8    | Max. Steigfähigkeit mit/ohne Last (Efficiency   drivePLUS) |       | %    | 6 / 15   6 / 15       |
|                  | 5.10   | Betriebsbremse                                             |       |      | generatorisch         |

|                                                                                                                                                                                                      |       |                                                        |        |            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------------------------------------------------------|--------|------------|
| E-Motor/Elektronik                                                                                                                                                                                   | 6.1   | Fahrmotor, Leistung S2 60 min (Efficiency   drivePLUS) | kW     | 2,8   3,2  |
|                                                                                                                                                                                                      | 6.2   | Hubmotor, Leistung bei S3                              | kW     | 1,5        |
|                                                                                                                                                                                                      | 6.4   | Batteriespannung/Nennkapazität                         | V / Ah | 24 / 465   |
|                                                                                                                                                                                                      | 6.5   | Batteriegewicht                                        | kg     | 370        |
|                                                                                                                                                                                                      | 6.6.1 | Energieverbrauch nach EN-Zyklus                        | kWh/h  | 0,53       |
|                                                                                                                                                                                                      | 6.6.2 | CO2 Äquivalent nach EN16796                            | kg/h   | 0,3        |
|                                                                                                                                                                                                      | 6.7   | Umschlagleistung                                       | t/h    | 136        |
|                                                                                                                                                                                                      | 6.8.1 | Energieverbrauch bei max. Umschlagleistung             | kWh/h  | 1,36       |
| Sonstiges                                                                                                                                                                                            | 8.1   | Art der Fahrsteuerung                                  |        | AC         |
|                                                                                                                                                                                                      | 10.5  | Ausführung Lenkung                                     |        | elektrisch |
|                                                                                                                                                                                                      | 10.7  | Schalldruckpegel nach EN12053                          | dB (A) | 62         |
| - Dieses Typenblatt nach VDI-Richtlinie 2198 nennt nur die technischen Werte des Standard-Gerätes. Abweichende Bereifungen, andere Hubgerüste, Zusatzeinrichtungen usw. können andere Werte ergeben. |       |                                                        |        |            |

Werte für Batterieraum L; Gabellänge 2450 mm; Hub 700 mm; Lastteil gehoben.

- VDI-Nr. 1.8: Bei gesenktem Lastteil: x + 82 mm.

- VDI-Nr. 1.9: Bei Batterieraum XL oder XL (ERE): y + 118 mm; Bei verlängerter Standplattform: y + 50 mm; Bei gesenktem Lastteil: y + 82 mm.

- VDI-Nr. 4.19: Bei Batterieraum XL oder XL (ERE): l1 + 118 mm; bei verlängerter Standplattform: l1 + 50 mm.

- VDI-Nr. 4.20: Bei Batterieraum XL oder XL (ERE): l2 + 118 mm; bei verlängerter Standplattform: l2 + 50 mm.

- VDI-Nr. 4.34.2: Bei Batterieraum XL oder XL (ERE): Ast + 118 mm; bei verlängerter Standplattform: Ast + 50 mm; Diagonal nach VDI: Ast + 94 mm.

- VDI-Nr. 4.35: Bei Batterieraum XL oder XL (ERE): Wa + 118 mm; bei verlängerter Standplattform: Wa + 50 mm; Bei gesenktem Lastteil: Wa + 82 mm.

- VDI-Nr. 6.2: Bei S3 10%.

- VDI-Nr. 6.4: Bei Batterieraum XL: 24 V / 620 Ah.

- VDI-Nr. 6.5: Bei Batterieraum XL: 460 kg.

## **Jungheinrich**

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Zertifiziert sind die deutschen  
Produktionswerke in Norderstedt,  
Moosburg und Landsberg sowie unser  
Ersatzteilzentrum in Kaltenkirchen.

ISO 9001  
ISO 14001

Jungheinrich Flurförderzeuge  
entsprechen den europäischen  
Sicherheitsanforderungen.

The Jungheinrich logo, featuring a red upward-pointing arrow above the word 'JUNGHEINRICH' in a bold, black, sans-serif font.

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