

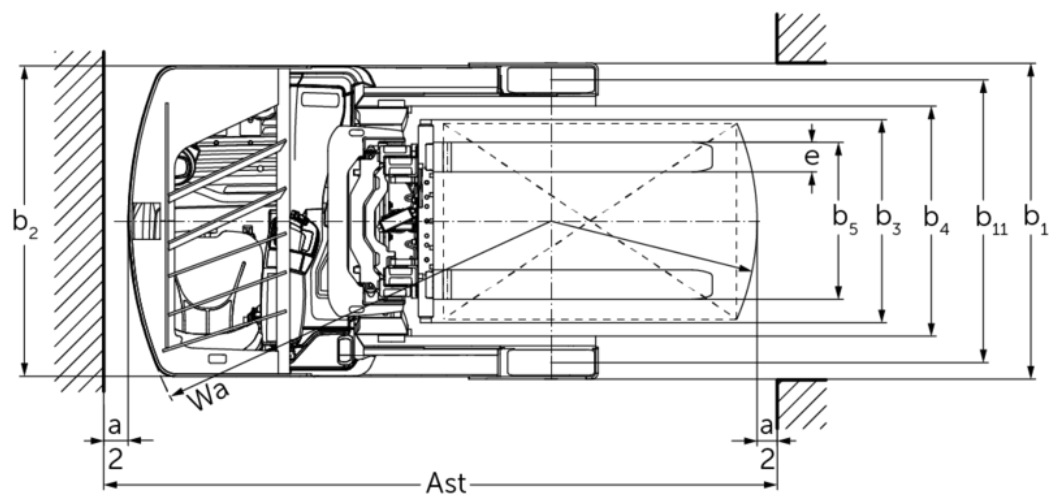


## Electric reach truck

**ETV 314i - 325i**

Lift height: 4250-14000 mm / Load capacity: 1400-2500 kg



[illegible]

# ETV 314i - 325i

| ETV 314i, ETV 316i                          | Lift (h3) | Retracted mast height (h1) | Free lift (h2) | Extended mast height (h4) | Forward/backward tilt of mast | Forward/backward tilt of fork carriage |
|---------------------------------------------|-----------|----------------------------|----------------|---------------------------|-------------------------------|----------------------------------------|
| Fork tilt / Triplex mast DX-V / cold-formed | 5000 mm   | 2200 mm                    | 1546 mm        | 5654 mm                   |                               | 2 / 5 °                                |
|                                             | 5300 mm   | 2300 mm                    | 1646 mm        | 5954 mm                   |                               | 2 / 5 °                                |
|                                             | 5600 mm   | 2400 mm                    | 1746 mm        | 6254 mm                   |                               | 2 / 5 °                                |
|                                             | 5900 mm   | 2500 mm                    | 1846 mm        | 6554 mm                   |                               | 2 / 5 °                                |
|                                             | 6200 mm   | 2600 mm                    | 1946 mm        | 6854 mm                   |                               | 2 / 5 °                                |
|                                             | 6500 mm   | 2700 mm                    | 2046 mm        | 7154 mm                   |                               | 2 / 5 °                                |
|                                             | 6800 mm   | 2800 mm                    | 2146 mm        | 7454 mm                   |                               | 2 / 5 °                                |
|                                             | 7100 mm   | 2900 mm                    | 2246 mm        | 7754 mm                   |                               | 2 / 5 °                                |
|                                             | 7400 mm   | 3000 mm                    | 2346 mm        | 8054 mm                   |                               | 2 / 5 °                                |
|                                             | 7700 mm   | 3100 mm                    | 2446 mm        | 8354 mm                   |                               | 2 / 5 °                                |
|                                             | 8000 mm   | 3200 mm                    | 2546 mm        | 8654 mm                   |                               | 2 / 5 °                                |
|                                             | 8300 mm   | 3300 mm                    | 2646 mm        | 8954 mm                   |                               | 2 / 5 °                                |
|                                             | 8420 mm   | 3340 mm                    | 2686 mm        | 9074 mm                   |                               | 2 / 5 °                                |
|                                             | 8720 mm   | 3440 mm                    | 2786 mm        | 9374 mm                   |                               | 2 / 5 °                                |
|                                             | 9020 mm   | 3540 mm                    | 2886 mm        | 9674 mm                   |                               | 2 / 5 °                                |
|                                             | 9410 mm   | 3670 mm                    | 3016 mm        | 10064 mm                  |                               | 2 / 5 °                                |
|                                             | 9920 mm   | 3840 mm                    | 3186 mm        | 10574 mm                  |                               | 2 / 5 °                                |
|                                             | 10250 mm  | 3950 mm                    | 3296 mm        | 10904 mm                  |                               | 2 / 5 °                                |
|                                             | 10520 mm  | 4040 mm                    | 3386 mm        | 11174 mm                  |                               | 2 / 5 °                                |
|                                             | 10700 mm  | 4100 mm                    | 3446 mm        | 11354 mm                  |                               | 2 / 5 °                                |
| Mast tilt / Triplex mast DX-V / cold-formed | 4550 mm   | 2050 mm                    | 1396 mm        | 5204 mm                   | 1 / 5 °                       |                                        |
|                                             | 5000 mm   | 2200 mm                    | 1546 mm        | 5654 mm                   | 1 / 5 °                       |                                        |
|                                             | 5300 mm   | 2300 mm                    | 1646 mm        | 5954 mm                   | 1 / 5 °                       |                                        |
|                                             | 5600 mm   | 2400 mm                    | 1746 mm        | 6254 mm                   | 1 / 3 °                       |                                        |
|                                             | 5900 mm   | 2500 mm                    | 1846 mm        | 6554 mm                   | 1 / 3 °                       |                                        |
|                                             | 6200 mm   | 2600 mm                    | 1946 mm        | 6854 mm                   | 1 / 3 °                       |                                        |
|                                             | 6500 mm   | 2700 mm                    | 2046 mm        | 7154 mm                   | 0.5 / 2 °                     |                                        |
|                                             | 6800 mm   | 2800 mm                    | 2146 mm        | 7454 mm                   | 0.5 / 2 °                     |                                        |

|                                             |          |           |                            |                |                           |                                                                         |
|---------------------------------------------|----------|-----------|----------------------------|----------------|---------------------------|-------------------------------------------------------------------------|
|                                             | 7100 mm  | 2900 mm   | 2246 mm                    | 7754 mm        | 0.5 / 2 °                 |                                                                         |
|                                             | 7310 mm  | 2970 mm   | 2316 mm                    | 7964 mm        | 0.5 / 1 °                 |                                                                         |
|                                             | 7400 mm  | 3000 mm   | 2346 mm                    | 8054 mm        | 0.5 / 1 °                 |                                                                         |
|                                             | 7700 mm  | 3100 mm   | 2446 mm                    | 8354 mm        | 0.5 / 1 °                 |                                                                         |
|                                             | 8000 mm  | 3200 mm   | 2546 mm                    | 8654 mm        | 0.5 / 1 °                 |                                                                         |
|                                             | 8300 mm  | 3300 mm   | 2646 mm                    | 8954 mm        | 0.5 / 1 °                 |                                                                         |
|                                             | 8420 mm  | 3340 mm   | 2686 mm                    | 9074 mm        | 0.5 / 1 °                 |                                                                         |
|                                             | 8720 mm  | 3440 mm   | 2786 mm                    | 9374 mm        | 0.5 / 1 °                 |                                                                         |
|                                             | 9020 mm  | 3540 mm   | 2886 mm                    | 9674 mm        | 0.5 / 1 °                 |                                                                         |
| ETV 318i, ETV 320i, ETV 325i                |          | Lift (h3) | Retracted mast height (h1) | Free lift (h2) | Extended mast height (h4) | Forward/backward tilt of mast<br>Forward/backward tilt of fork carriage |
| Fork tilt / Triplex mast DX-V / cold-formed | 6200 mm  | 2700 mm   | 1970 mm                    | 6930 mm        | 2 / 5 °                   |                                                                         |
|                                             | 6500 mm  | 2800 mm   | 2070 mm                    | 7230 mm        | 2 / 5 °                   |                                                                         |
|                                             | 6800 mm  | 2900 mm   | 2170 mm                    | 7530 mm        | 2 / 5 °                   |                                                                         |
|                                             | 7400 mm  | 3100 mm   | 2370 mm                    | 8130 mm        | 2 / 5 °                   |                                                                         |
|                                             | 7700 mm  | 3200 mm   | 2470 mm                    | 8430 mm        | 2 / 5 °                   |                                                                         |
|                                             | 8000 mm  | 3300 mm   | 2570 mm                    | 8730 mm        | 2 / 5 °                   |                                                                         |
|                                             | 8420 mm  | 3440 mm   | 2710 mm                    | 9150 mm        | 2 / 5 °                   |                                                                         |
|                                             | 8720 mm  | 3540 mm   | 2810 mm                    | 9450 mm        | 2 / 5 °                   |                                                                         |
|                                             | 9110 mm  | 3670 mm   | 2940 mm                    | 9840 mm        | 2 / 5 °                   |                                                                         |
|                                             | 9620 mm  | 3840 mm   | 3110 mm                    | 10350 mm       | 2 / 5 °                   |                                                                         |
|                                             | 9950 mm  | 3950 mm   | 3220 mm                    | 10680 mm       | 2 / 5 °                   |                                                                         |
|                                             | 10220 mm | 4100 mm   | 3370 mm                    | 10950 mm       | 2 / 5 °                   |                                                                         |
|                                             | 10520 mm | 4200 mm   | 3470 mm                    | 11250 mm       | 2 / 5 °                   |                                                                         |
|                                             | 10700 mm | 4260 mm   | 3530 mm                    | 11430 mm       | 2 / 5 °                   |                                                                         |
|                                             | 10880 mm | 4320 mm   | 3590 mm                    | 11610 mm       | 2 / 5 °                   |                                                                         |
|                                             | 10952 mm | 4344 mm   | 3614 mm                    | 11682 mm       | 2 / 5 °                   |                                                                         |
|                                             | 11120 mm | 4400 mm   | 3670 mm                    | 11850 mm       | 2 / 5 °                   |                                                                         |
|                                             | 11510 mm | 4530 mm   | 3800 mm                    | 12240 mm       | 2 / 5 °                   |                                                                         |
|                                             | 12020 mm | 4700 mm   | 3970 mm                    | 12750 mm       | 2 / 5 °                   |                                                                         |

|                                             |           |                            |                |                           |                               |                                        |
|---------------------------------------------|-----------|----------------------------|----------------|---------------------------|-------------------------------|----------------------------------------|
|                                             | 12530 mm  | 4870 mm                    | 4140 mm        | 13260 mm                  | 2 / 5 °                       |                                        |
| Mast tilt / Triplex mast DX-V / cold-formed | 4250 mm   | 2050 mm                    | 1320 mm        | 4980 mm                   | 1 / 5 °                       |                                        |
|                                             | 4700 mm   | 2200 mm                    | 1470 mm        | 5430 mm                   | 1 / 5 °                       |                                        |
|                                             | 5000 mm   | 2300 mm                    | 1570 mm        | 5730 mm                   | 1 / 5 °                       |                                        |
|                                             | 5300 mm   | 2400 mm                    | 1670 mm        | 6030 mm                   | 1 / 5 °                       |                                        |
|                                             | 5600 mm   | 2500 mm                    | 1770 mm        | 6330 mm                   | 1 / 3 °                       |                                        |
|                                             | 5900 mm   | 2600 mm                    | 1870 mm        | 6630 mm                   | 0.5 / 2 °                     |                                        |
|                                             | 6200 mm   | 2700 mm                    | 1970 mm        | 6930 mm                   | 0.5 / 2 °                     |                                        |
|                                             | 6500 mm   | 2800 mm                    | 2070 mm        | 7230 mm                   | 0.5 / 2 °                     |                                        |
|                                             | 6800 mm   | 2900 mm                    | 2170 mm        | 7530 mm                   | 0.5 / 2 °                     |                                        |
|                                             | 6950 mm   | 2950 mm                    | 2220 mm        | 7680 mm                   | 0.5 / 1 °                     |                                        |
|                                             | 7400 mm   | 3100 mm                    | 2370 mm        | 8130 mm                   | 0.5 / 1 °                     |                                        |
|                                             | 8000 mm   | 3300 mm                    | 2570 mm        | 8730 mm                   | 0.5 / 1 °                     |                                        |
|                                             | 8420 mm   | 3440 mm                    | 2710 mm        | 9150 mm                   | 0.5 / 1 °                     |                                        |
|                                             | 8720 mm   | 3540 mm                    | 2810 mm        | 9450 mm                   | 0.5 / 1 °                     |                                        |
|                                             | 9110 mm   | 3670 mm                    | 2940 mm        | 9840 mm                   | 0.5 / 1 °                     |                                        |
| ETV 320i, ETV 325i                          | Lift (h3) | Retracted mast height (h1) | Free lift (h2) | Extended mast height (h4) | Forward/backward tilt of mast | Forward/backward tilt of fork carriage |
| Fork tilt / Triplex mast DX-V / cold-formed | 12830 mm  | 4970 mm                    | 4240 mm        | 13560 mm                  | 2 / 5 °                       |                                        |
|                                             | 13000 mm  | 5026 mm                    | 4296 mm        | 13728 mm                  | 2 / 5 °                       |                                        |
|                                             | 13505 mm  | 5425 mm                    | 4695 mm        | 14235 mm                  | 2 / 5 °                       |                                        |
|                                             | 14000 mm  | 5590 mm                    | 4860 mm        | 14730 mm                  | 2 / 5 °                       |                                        |

## VDI table

|                  |        |                                                            |              |                   |             |             |                 |             |
|------------------|--------|------------------------------------------------------------|--------------|-------------------|-------------|-------------|-----------------|-------------|
| Characteristic   | 1.1    | Manufacturer (abbreviated description)                     |              | Jungheinrich      |             |             |                 |             |
|                  | 1.2    | Manufacturer's type designation                            |              | ETV 314i          | ETV 316i    | ETV 318i    | ETV 320i        | ETV 325i    |
|                  | 1.3    | Drive type                                                 |              | electric          |             |             |                 |             |
|                  | 1.4    | Operation                                                  |              | Sideways-seated   |             |             |                 |             |
|                  | 1.5    | Load capacity/load                                         | Q kg         | 1400              | 1600        | 1800        | 2000            | 2500        |
|                  | 1.6    | Load centre distance                                       | c mm         | 600               |             |             |                 |             |
|                  | 1.8    | Load distance, centre of drive axle to fork                | x mm         | 304               | 354         | 363         | 401             | 556         |
|                  | 1.8.1  | Load distance, centre of drive axle to fork, mast extended | mm           | 205               |             |             | 230             |             |
|                  | 1.9    | Wheelbase                                                  | y mm         | 1400              | 1450        | 1460        | 1508            | 1663        |
| Weights          | 2.1.1  | Service weight (incl. battery)                             | kg           | 3270              | 3370        | 3560        | 3580            | 3880        |
|                  | 2.3    | Axle load unladen front/rear                               | kg           | 2020 / 1250       | 2150 / 1220 | 2260 / 1300 | 2240 / 1340     | 2520 / 1360 |
|                  | 2.4    | Axle load fork forward laden front/rear                    | kg           | 750 / 3920        | 750 / 4220  | 700 / 4660  | 530 / 5050      | 560 / 5820  |
|                  | 2.5    | Axle load fork back laden front/rear                       | kg           | 1710 / 2960       | 1860 / 3110 | 1960 / 3400 | 1960 / 3620     | 2370 / 4010 |
|                  |        |                                                            |              |                   |             |             |                 |             |
| Wheels/chassis   | 3.1    | Tyres                                                      |              | Polyurethane (PU) |             |             |                 |             |
|                  | 3.2    | Tyre size, front                                           |              | Ø 343 x 114       |             |             | Ø343 x 114      | Ø 343 x 140 |
|                  | 3.3    | Tyre size, rear                                            |              | Ø 285 x 100       |             |             | Ø 355 x 106     | Ø 355 x 135 |
|                  | 3.5    | Wheels, number front/back (x=driven)                       |              | 1x / 2            |             |             |                 |             |
|                  | 3.7    | Tread width, rear                                          | b11 mm       | 1148              | 1172        | 1155        | 1184            |             |
|                  |        |                                                            |              |                   |             |             |                 |             |
| Basic dimensions | 4.1    | Forward/backward tilt of mast                              | a/β °        | 1 / 5             |             |             |                 |             |
|                  | 4.2    | Retracted mast height (h1)                                 | h1 mm        | 2300              | 2400        |             |                 |             |
|                  | 4.3    | Free lift (h2)                                             | h2 mm        | 1656              | 1670        |             |                 |             |
|                  | 4.4    | Lift (h3)                                                  | h3 mm        | 5300              |             |             |                 |             |
|                  | 4.5    | Extended mast height (h4)                                  | h4 mm        | 5944              | 6030        |             |                 |             |
|                  | 4.7    | Height of overhead guard (cab)                             | h6 mm        | 2190              |             |             |                 |             |
|                  | 4.8    | Seat height/stand height                                   | h7 mm        | 987               |             |             |                 |             |
|                  | 4.10   | Height of support arms                                     | h8 mm        | 282               | 283         |             |                 | 284         |
|                  | 4.19   | Total length                                               | l1 mm        | 2466              | 2467        | 2477        |                 |             |
|                  | 4.20   | Length including fork shank                                | l2 mm        | 1316              | 1317        | 1327        |                 |             |
|                  | 4.21.1 | total width                                                | b1 mm        | 1270              | 1294        | 1290        | 1348            |             |
|                  | 4.21.2 | total width                                                | b2 mm        | 1270              |             |             |                 |             |
|                  | 4.22   | Fork dimensions                                            | s/<br>e/l mm | 40 x 120 x 1150   |             |             | 50 x 140 x 1150 |             |
|                  | 4.23   | Fork carriage connection class                             |              | 2B                |             |             |                 |             |
|                  | 4.24   | Fork carriage width                                        | b3 mm        | 830               |             |             |                 |             |
|                  | 4.25   | Width across forks                                         | b5 mm        | 335               |             |             | 356             |             |
|                  | 4.25.1 | Width across forks (min./max.)                             | b5 mm        | 335 / 730         |             |             | 356 / 750       |             |
|                  | 4.26   | Width between support arms/loading areas                   | b4 mm        | 940               |             |             |                 |             |
|                  | 4.28   | Reach distance                                             | mm           | 506               | 586         | 565         | 629             | 784         |
|                  | 4.32   | Ground clearance centre of wheelbase                       | m2 mm        | 80                |             |             |                 |             |
|                  | 4.34.1 | Aisle width (pallet 1000×1200 sideways)                    | Ast mm       | 2739              | 2752        | 2755        | 2776            | 2829        |
|                  | 4.34.2 | Aisle width (pallet 800x1200 length)                       | Ast mm       | 2801              | 2806        | 2808        | 2822            | 2841        |
|                  | 4.35   | Turning radius                                             | Wa mm        | 1620              | 1670        | 1680        | 1728            | 1883        |
|                  | 4.37   | Length over the support arms                               | L7 mm        | 1780              | 1830        | 1840        | 1920            | 2075        |

|                  |                            |                                           |                                    |                     |        |             |           |             |  |
|------------------|----------------------------|-------------------------------------------|------------------------------------|---------------------|--------|-------------|-----------|-------------|--|
| Performance data | 5.1                        | Travel speed laden/unladen                | km/h                               | 14 / 14             |        |             |           |             |  |
|                  | 5.2                        | Lift speed laden/unladen                  | m/s                                | 0.59 / 0.81         |        | 0.38 / 0.64 |           | 0.35 / 0.64 |  |
|                  | 5.3                        | Lowering speed laden/unladen              | m/s                                | 0.55 / 0.55         |        |             |           |             |  |
|                  | 5.4                        | Reach speed laden/unladen                 | m/s                                | 0.2 / 0.2           |        |             |           |             |  |
|                  | 5.7                        | Gradeability laden/unladen                | %                                  | 9 / 13              | 8 / 12 | 7 / 11      |           |             |  |
|                  | 5.8                        | Max. gradeability laden/unladen           | %                                  | 10 / 15             |        | 9 / 13      | 10 / 15   |             |  |
|                  | 5.9                        | Acceleration time laden/unladen           | s                                  | 4.6 / 4.3           |        | 5.2 / 4.7   | 5.3 / 4.7 | 5.4 / 4.7   |  |
|                  | 5.10                       | Service brake                             |                                    | electric            |        |             |           |             |  |
|                  | Electric motor/electronics | 6.1                                       | Drive motor, performance S2 60 min | kW                  | 9.5    |             |           |             |  |
|                  |                            | 6.2                                       | Lift motor, performance with S3    | kW                  | 15.5   |             |           |             |  |
| 6.3              |                            | Battery according to DIN 43531/35/36      |                                    | Jungheinrich Li-ion |        |             |           |             |  |
| 6.4              |                            | Battery voltage/nominal capacity          | V                                  | 51.2                |        |             |           |             |  |
| 6.5              |                            | Battery weight                            | kg                                 | 200                 |        |             | 300       |             |  |
| 6.6.1            |                            | Energy consumption according to EN cycle  | kWh/h                              | 3.39                | 3.42   | 3.9         | 4.05      | 4.1         |  |
| 6.6.2            |                            | CO2 equivalent according to EN ISO 23308  | kg/h0                              | 1.8                 |        | 2.1         | 2.2       |             |  |
| 6.7              |                            | Throughput                                | t/h                                | 57.4                | 65.5   | 71.2        | 74        | 91.9        |  |
| 6.8              |                            | Turnover efficiency according to VDI 2198 | t/kWh                              | 15.5                | 17.2   |             | 18        | 22.7        |  |
| 6.8.1            |                            | Energy consumption with max. throughput   | kWh/h                              | 3.7                 | 3.8    | 4.15        | 4.11      | 4.05        |  |
| Other            | 8.1                        | Type of drive control                     |                                    | 3-phase AC          |        |             |           |             |  |
|                  | 10.1                       | Operating pressure for attachment         | bar                                | 150                 |        |             |           |             |  |
|                  | 10.2                       | Oil flow for attachments                  | l/min                              | 20                  |        |             |           |             |  |
|                  | 10.7                       | Sound pressure level according to EN12053 | dB (A)                             | 70                  |        |             |           |             |  |

- 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 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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