

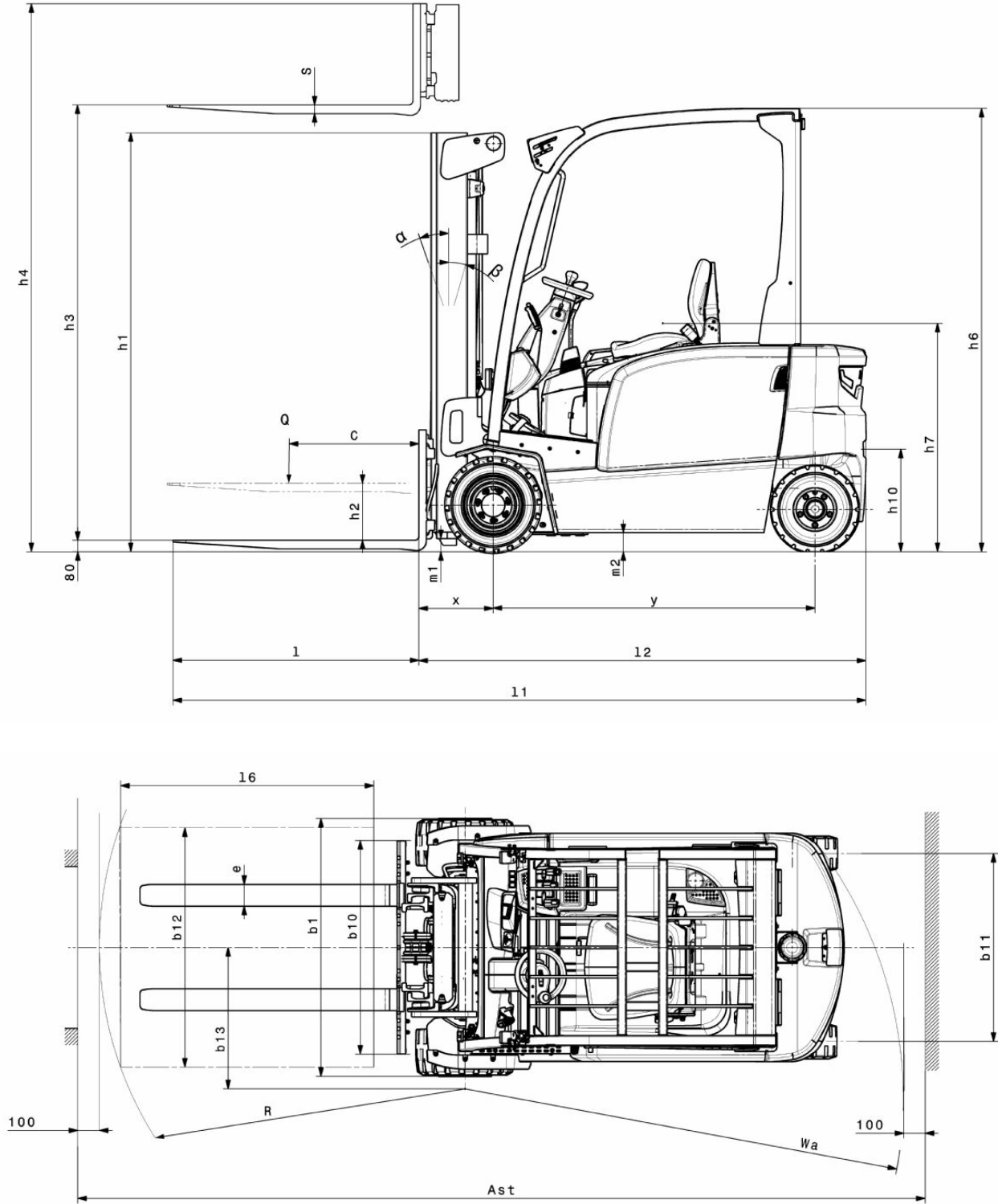


## **Electric four wheel counterbalance forklift truck**

**EFG BC 316-330**

Lift height: 3000-6500 mm / Load capacity: 1600-3000 kg

EFG BC 316-330







# EFG BC 316-330

| EFG BC 316      | Lift (h3) | Retracted mast height (h1) | Free lift (h2) | Extended mast height (h4) | Forward/backward tilt of mast |
|-----------------|-----------|----------------------------|----------------|---------------------------|-------------------------------|
| Duplex mast ZT  | 3000 mm   | 2000 mm                    | 150 mm         | 3555 mm                   | 7 / 5 °                       |
|                 | 3300 mm   | 2150 mm                    | 150 mm         | 3855 mm                   | 7 / 5 °                       |
|                 | 3600 mm   | 2300 mm                    | 150 mm         | 4155 mm                   | 7 / 5 °                       |
|                 | 4000 mm   | 2500 mm                    | 150 mm         | 4555 mm                   | 7 / 5 °                       |
|                 | 4500 mm   | 2800 mm                    | 150 mm         | 5055 mm                   | 7 / 5 °                       |
|                 | 5000 mm   | 3050 mm                    | 150 mm         | 5555 mm                   | 7 / 5 °                       |
| Duplex mast ZZ  | 3300 mm   | 2105 mm                    | 1470 mm        | 3855 mm                   | 7 / 5 °                       |
|                 | 3600 mm   | 2255 mm                    | 1620 mm        | 4155 mm                   | 7 / 5 °                       |
|                 | 4000 mm   | 2455 mm                    | 1820 mm        | 4555 mm                   | 7 / 5 °                       |
| Triplex mast DZ | 4500 mm   | 2005 mm                    | 1360 mm        | 5055 mm                   | 7 / 5 °                       |
|                 | 4800 mm   | 2105 mm                    | 1460 mm        | 5355 mm                   | 7 / 5 °                       |
|                 | 5000 mm   | 2180 mm                    | 1530 mm        | 5555 mm                   | 7 / 5 °                       |
|                 | 5500 mm   | 2355 mm                    | 1710 mm        | 6055 mm                   | 7 / 5 °                       |
|                 | 6000 mm   | 2555 mm                    | 1910 mm        | 6555 mm                   | 7 / 5 °                       |
|                 | 6500 mm   | 2805 mm                    | 2160 mm        | 7055 mm                   | 7 / 5 °                       |
| EFG BC 320      | Lift (h3) | Retracted mast height (h1) | Free lift (h2) | Extended mast height (h4) | Forward/backward tilt of mast |
| Duplex mast ZT  | 3000 mm   | 2000 mm                    | 150 mm         | 3605 mm                   | 7 / 5 °                       |
|                 | 3300 mm   | 2150 mm                    | 150 mm         | 3905 mm                   | 7 / 5 °                       |
|                 | 3600 mm   | 2300 mm                    | 150 mm         | 4205 mm                   | 7 / 5 °                       |
|                 | 4000 mm   | 2500 mm                    | 150 mm         | 4605 mm                   | 7 / 5 °                       |
|                 | 4500 mm   | 2800 mm                    | 150 mm         | 5105 mm                   | 7 / 5 °                       |
|                 | 5000 mm   | 3050 mm                    | 150 mm         | 5605 mm                   | 7 / 5 °                       |
| Duplex mast ZZ  | 3300 mm   | 2105 mm                    | 1470 mm        | 3935 mm                   | 7 / 5 °                       |
|                 | 3600 mm   | 2255 mm                    | 1620 mm        | 4235 mm                   | 7 / 5 °                       |
|                 | 4000 mm   | 2455 mm                    | 1820 mm        | 4635 mm                   | 7 / 5 °                       |
| Triplex mast DZ | 4500 mm   | 2005 mm                    | 1360 mm        | 5135 mm                   | 7 / 5 °                       |
|                 | 4800 mm   | 2105 mm                    | 1460 mm        | 5435 mm                   | 7 / 5 °                       |
|                 | 5000 mm   | 2180 mm                    | 1530 mm        | 5635 mm                   | 7 / 5 °                       |

|                         |           |                            |                |                           |                               |
|-------------------------|-----------|----------------------------|----------------|---------------------------|-------------------------------|
|                         | 5500 mm   | 2355 mm                    | 1710 mm        | 6135 mm                   | 7 / 5 °                       |
|                         | 6000 mm   | 2555 mm                    | 1910 mm        | 6635 mm                   | 7 / 5 °                       |
|                         | 6500 mm   | 2805 mm                    | 2160 mm        | 7135 mm                   | 7 / 5 °                       |
| EFG BC 325k, EFG BC 325 | Lift (h3) | Retracted mast height (h1) | Free lift (h2) | Extended mast height (h4) | Forward/backward tilt of mast |
| Duplex mast ZT          | 3100 mm   | 2200 mm                    | 150 mm         | 3700 mm                   | 7 / 5 °                       |
|                         | 3300 mm   | 2300 mm                    | 150 mm         | 3900 mm                   | 7 / 5 °                       |
|                         | 3500 mm   | 2400 mm                    | 150 mm         | 4100 mm                   | 7 / 5 °                       |
|                         | 3700 mm   | 2500 mm                    | 150 mm         | 4300 mm                   | 7 / 5 °                       |
|                         | 4000 mm   | 2650 mm                    | 150 mm         | 4600 mm                   | 7 / 5 °                       |
|                         | 4500 mm   | 2950 mm                    | 150 mm         | 5100 mm                   | 7 / 5 °                       |
| Duplex mast ZZ          | 3100 mm   | 2160 mm                    | 1600 mm        | 3700 mm                   | 7 / 5 °                       |
|                         | 3300 mm   | 2260 mm                    | 1700 mm        | 3900 mm                   | 7 / 5 °                       |
|                         | 3500 mm   | 2360 mm                    | 1800 mm        | 4100 mm                   | 7 / 5 °                       |
|                         | 4000 mm   | 2610 mm                    | 2060 mm        | 4600 mm                   | 7 / 5 °                       |
| Triplex mast DZ         | 4400 mm   | 2060 mm                    | 1500 mm        | 5000 mm                   | 7 / 5 °                       |
|                         | 4700 mm   | 2160 mm                    | 1600 mm        | 5300 mm                   | 7 / 5 °                       |
|                         | 5000 mm   | 2260 mm                    | 1700 mm        | 5600 mm                   | 7 / 5 °                       |
| EFG BC 330              | Lift (h3) | Retracted mast height (h1) | Free lift (h2) | Extended mast height (h4) | Forward/backward tilt of mast |
| Duplex mast ZT          | 3100 mm   | 2200 mm                    | 150 mm         | 3850 mm                   | 7 / 5 °                       |
|                         | 3300 mm   | 2300 mm                    | 150 mm         | 4050 mm                   | 7 / 5 °                       |
|                         | 3500 mm   | 2400 mm                    | 150 mm         | 4250 mm                   | 7 / 5 °                       |
|                         | 3700 mm   | 2500 mm                    | 150 mm         | 4450 mm                   | 7 / 5 °                       |
|                         | 4000 mm   | 2650 mm                    | 150 mm         | 4750 mm                   | 7 / 5 °                       |
|                         | 4500 mm   | 2950 mm                    | 150 mm         | 5250 mm                   | 7 / 5 °                       |
| Duplex mast ZZ          | 3100 mm   | 2160 mm                    | 1440 mm        | 3850 mm                   | 7 / 5 °                       |
|                         | 3300 mm   | 2260 mm                    | 1540 mm        | 4050 mm                   | 7 / 5 °                       |
|                         | 3500 mm   | 2360 mm                    | 1640 mm        | 4250 mm                   | 7 / 5 °                       |
|                         | 4000 mm   | 2610 mm                    | 1900 mm        | 4750 mm                   | 7 / 5 °                       |
| Triplex mast DZ         | 4400 mm   | 2060 mm                    | 1340 mm        | 5150 mm                   | 7 / 5 °                       |
|                         | 4700 mm   | 2160 mm                    | 1440 mm        | 5450 mm                   | 7 / 5 °                       |
|                         | 5000 mm   | 2260 mm                    | 1540 mm        | 5750 mm                   | 7 / 5 °                       |

## VDI table

|                  |        |                                             |           |                    |               |                  |             |                              |                 |
|------------------|--------|---------------------------------------------|-----------|--------------------|---------------|------------------|-------------|------------------------------|-----------------|
| Characteristic   | 1.1    | Manufacturer (abbreviated description)      |           | Jungheinrich       |               |                  |             |                              |                 |
|                  | 1.2    | Manufacturer's type designation             |           | EFG BC 316         | EFG BC 320    | EFG BC 325k      | EFG BC 325  | EFG BC 330                   |                 |
|                  | 1.3    | Drive type                                  |           | electric           |               |                  |             |                              |                 |
|                  | 1.4    | Operation                                   |           | Seat               |               |                  |             |                              |                 |
|                  | 1.5    | Load capacity/load                          | Q kg      | 1600               | 2000          | 2500             |             | 3000                         |                 |
|                  | 1.6    | Load centre distance                        | c mm      | 500                |               |                  |             |                              |                 |
|                  | 1.8    | Load distance, centre of drive axle to fork | x mm      | 352                |               | 467              |             | 472                          |                 |
|                  | 1.9    | Wheelbase                                   | y mm      | 1506               |               | 1453             | 1561        | 1700                         |                 |
| Weights          | 2.1.1  | Service weight (incl. battery)              | kg        | 3230               | 3317          | 4351             | 4454        | 4742                         |                 |
|                  | 2.2    | Axle load laden front/rear                  | kg        | 4012 / 818         | 4738 / 579    | 6166 / 685       | 6259 / 695  | 6968 / 774                   |                 |
|                  | 2.3    | Axle load unladen front/rear                | kg        | 1514 / 1716        | 1606 / 1711   | 1833 / 2518      | 1960 / 2494 | 2225 / 2517                  |                 |
| Wheels/chassis   | 3.1    | Tyres                                       |           | Super-elastic (SE) |               |                  |             |                              |                 |
|                  | 3.2    | Tyre size, front                            |           | 18 x 7 - 8         | 200 / 50 - 10 | 18 x 9 - 12      |             | TANDEM, 18 x 5 & 6 - 12(1/8) |                 |
|                  | 3.3    | Tyre size, rear                             |           | 16 x 6 - 8         |               | 16 x 6 -10 (1/2) |             | 16 x 7 -10 (1/2)             |                 |
|                  | 3.5    | Wheels, number front/back (x=driven)        |           | 2x / 2             |               |                  |             |                              |                 |
|                  | 3.6    | Tread width, front                          | b10 mm    | 904                | 924           | 938              |             | 1013                         |                 |
|                  | 3.7    | Tread width, rear                           | b11 mm    | 870                |               | 864              |             | 995                          |                 |
| Basic dimensions | 4.1    | Forward/backward tilt of mast               | a/β °     | 7 / 5              |               |                  |             |                              |                 |
|                  | 4.2    | Retracted mast height (h1)                  | h1 mm     | 2000               |               | 2200             |             |                              |                 |
|                  | 4.2.1  | Total height                                | h15 mm    | 2080               |               | 2200             |             |                              |                 |
|                  | 4.3    | Free lift (h2)                              | h2 mm     | 150                |               |                  |             |                              |                 |
|                  | 4.4    | Lift (h3)                                   | h3 mm     | 3000               |               | 3100             |             |                              |                 |
|                  | 4.5    | Extended mast height (h4)                   | h4 mm     | 3555               | 3605          | 3700             |             | 3850                         |                 |
|                  | 4.7    | Height of overhead guard (cab)              | h6 mm     | 2080               |               |                  |             |                              |                 |
|                  | 4.8    | Seat height/stand height                    | h7 mm     | 1030               |               |                  |             |                              |                 |
|                  | 4.12   | Coupling height                             | h10 mm    | 475                |               |                  |             |                              |                 |
|                  | 4.19   | Total length                                | l1 mm     | 3096               |               | 3213             | 3321        | 3469                         |                 |
|                  | 4.20   | Length including fork shank                 | l2 mm     | 2096               |               | 2213             | 2321        | 2469                         |                 |
|                  | 4.21.1 | total width                                 | b1 mm     | 1060               | 1120          | 1170             |             | 1313                         |                 |
|                  | 4.22   | Fork dimensions                             | s/ e/l mm | 40 x 100 x 1000    |               |                  |             |                              | 45 x 125 x 1000 |
|                  | 4.23   | Fork carriage connection class              |           | 2A                 |               |                  |             |                              | 3A              |
|                  | 4.24   | Fork carriage width                         | b3 mm     | 980                |               | 1120             |             |                              |                 |
|                  | 4.31   | Ground clearance laden under mast           | m1 mm     | 97                 |               |                  |             |                              |                 |
|                  | 4.32   | Ground clearance centre of wheelbase        | m2 mm     | 88                 |               |                  |             |                              |                 |
|                  | 4.34.1 | Aisle width (pallet 1000x1200 sideways)     | Ast mm    | 3513               |               | 3648             | 3767        | 3942                         |                 |
|                  | 4.34.2 | Aisle width (pallet 800x1200 length)        | Ast mm    | 3712               |               | 3847             | 3967        | 4142                         |                 |
|                  | 4.35   | Turning radius                              | Wa mm     | 1960               |               | 1980             | 2100        | 2270                         |                 |
|                  | 4.36   | Smallest pivot point distance               | b13 mm    | 562                |               | 542              | 600         | 667                          |                 |

|                                                                                                                                                                                                   |                            |                                           |                                    |                      |              |              |               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|-------------------------------------------|------------------------------------|----------------------|--------------|--------------|---------------|
| Performance data                                                                                                                                                                                  | 5.1                        | Travel speed laden/unladen                | km/h                               | 15 / 15              |              | 17 / 18      |               |
|                                                                                                                                                                                                   | 5.2                        | Lift speed laden/unladen                  | m/s                                | 0.43 / 0.53          | 0.34 / 0.44  | 0.4 / 0.5    | 0.3 / 0.32    |
|                                                                                                                                                                                                   | 5.3                        | Lowering speed laden/unladen              | m/s                                | 0.51 / 0.55          |              |              |               |
|                                                                                                                                                                                                   | 5.5                        | Drawbar pull laden/unladen                | N                                  | 1300 / 1500          | 1600 / 1900  | 2400 / 2750  | 2300 / 3300   |
|                                                                                                                                                                                                   | 5.6                        | Max. drawbar pull laden/unladen           | N                                  | 9000 / 9400          | 9200 / 10500 | 14000 / 8700 | 13800 / 14600 |
|                                                                                                                                                                                                   | 5.7                        | Gradeability laden/unladen                | %                                  | 6.5 / 14             | 5 / 11       | 9 / 13       | 8 / 12        |
|                                                                                                                                                                                                   | 5.8                        | Max. gradeability laden/unladen           | %                                  | 13.5 / 16            | 11 / 15      | 16 / 22      | 15 / 22       |
|                                                                                                                                                                                                   | 5.9                        | Acceleration time laden/unladen           | s                                  | 5.5 / 5              | 6 / 5.2      | 5.6 / 5      | 5.7 / 5.2     |
|                                                                                                                                                                                                   | 5.10                       | Service brake                             |                                    | mechanical/hydraulic |              |              |               |
|                                                                                                                                                                                                   | Electric motor/electronics | 6.1                                       | Drive motor, performance S2 60 min | kW                   | 3.7          |              | 4.6           |
| 6.1.1                                                                                                                                                                                             |                            | 2. Drive motor, performance S2 60 min     | kW                                 | 3.7                  |              | 4.6          |               |
| 6.2                                                                                                                                                                                               |                            | Lift motor, performance with S3           | kW                                 | 10                   |              | 15.5         |               |
| 6.3                                                                                                                                                                                               |                            | Battery according to DIN 43531/35/36      |                                    | DIN 43531 A          |              |              |               |
| 6.4                                                                                                                                                                                               |                            | Battery voltage/nominal capacity          | V / Ah                             | 48 / 625             |              |              | 48 / 750      |
| 6.5                                                                                                                                                                                               |                            | Battery weight                            | kg                                 | 856                  |              |              | 1013          |
| 6.6.1                                                                                                                                                                                             |                            | Energy consumption according to EN cycle  | kWh/h                              | 4.25                 | 4.8          | 5.77         | 6.88          |
| 6.6.2                                                                                                                                                                                             |                            | CO2 equivalent as per EN 16796            | kg/h                               | 2.3                  | 2.6          | 3.1          | 3.7           |
| 6.7                                                                                                                                                                                               |                            | Throughput                                | t/h                                | 113                  | 136          | 172          | 196           |
| 6.8.1                                                                                                                                                                                             |                            | Energy consumption with max. throughput   | kWh/h                              | 5.13                 | 5.88         | 8.84         | 7.71          |
| Other                                                                                                                                                                                             | 8.1                        | Type of drive control                     |                                    | Impulse/AC           |              |              |               |
|                                                                                                                                                                                                   | 10.1                       | Operating pressure for attachment         | bar                                | 230                  |              |              |               |
|                                                                                                                                                                                                   | 10.2                       | Oil flow for attachments                  | l/min                              | 24                   |              | 41           |               |
|                                                                                                                                                                                                   | 10.7                       | Sound pressure level according to EN12053 | dB (A)                             | 74                   |              | 78           |               |
|                                                                                                                                                                                                   | 10.8                       | Trailer coupling, model/type DIN          |                                    | Bolts                |              |              |               |
| - 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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