

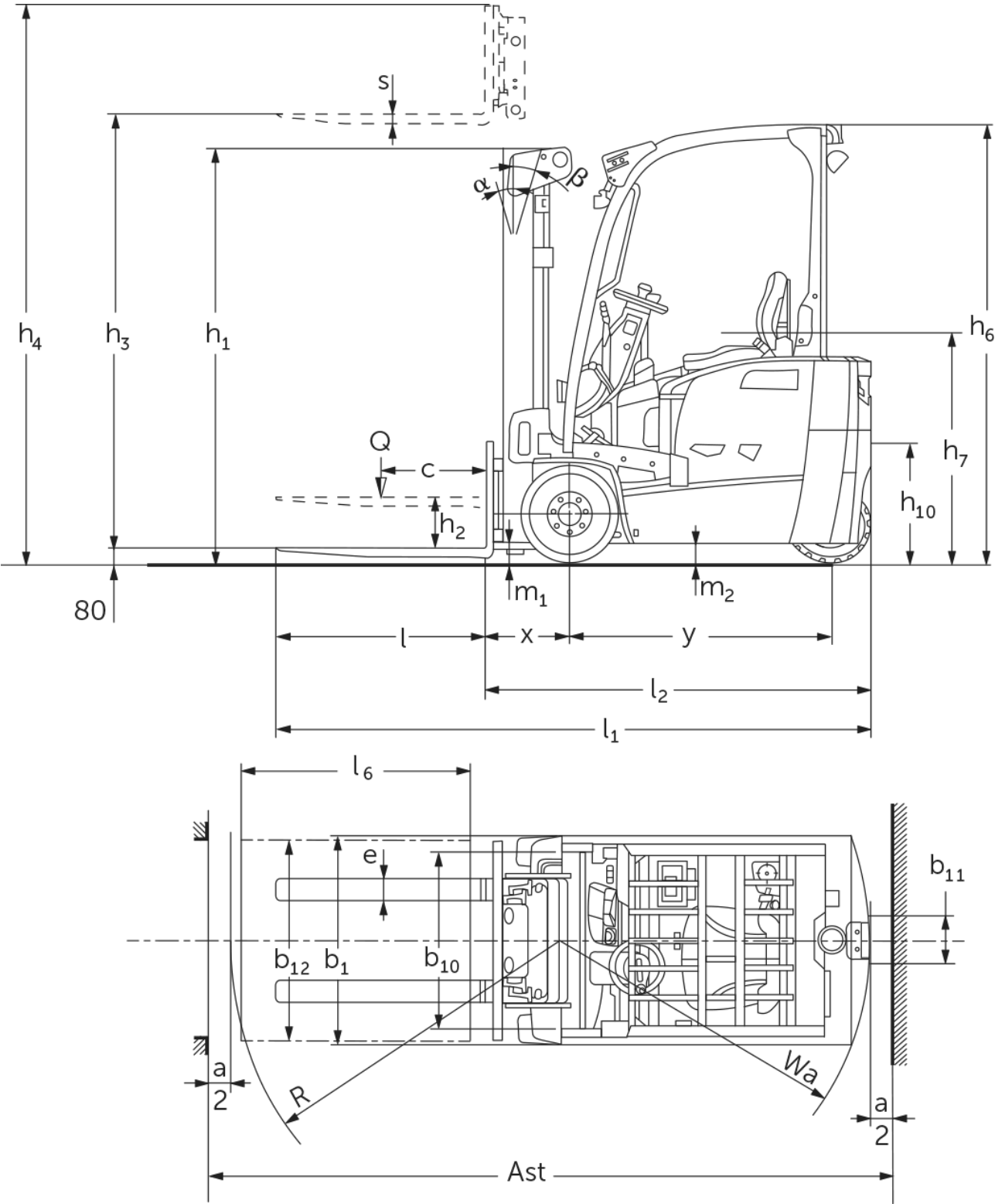


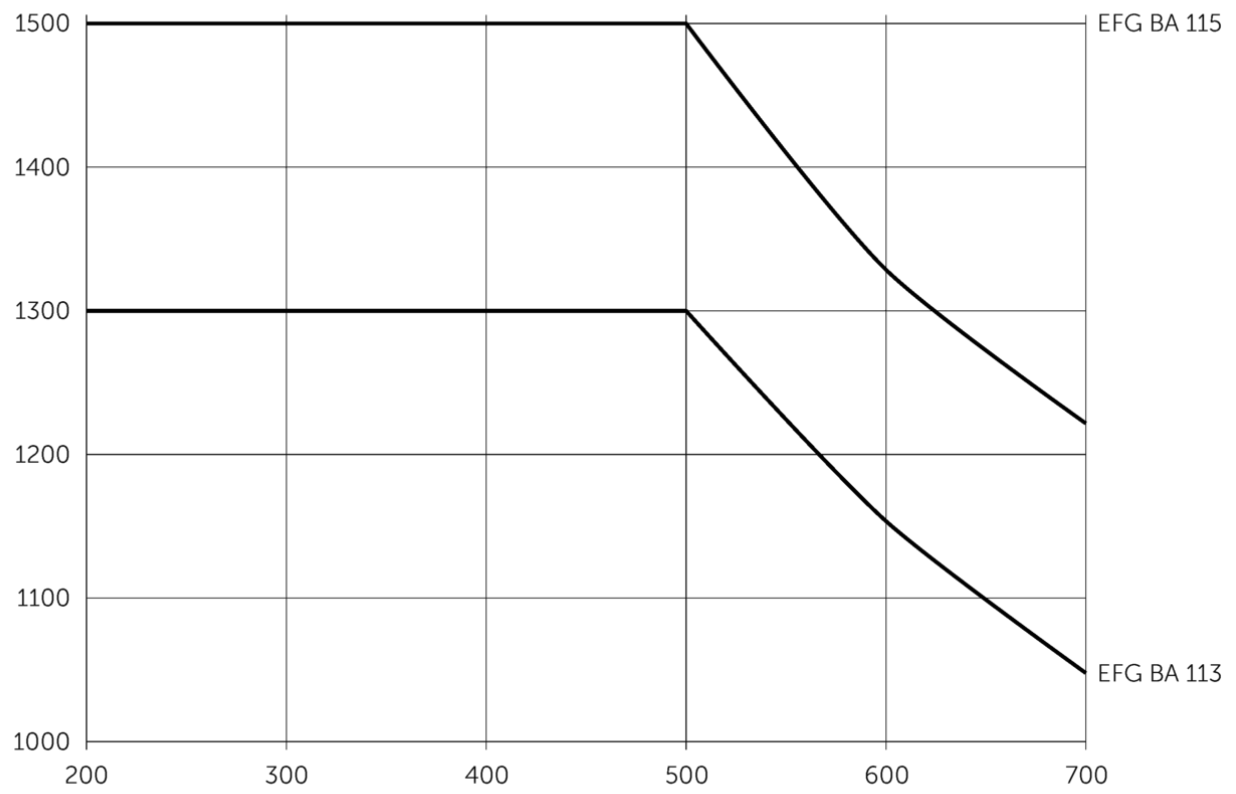
## **Electric three-wheel counterbalance forklift truck**

**EFG BA 113/115**

Lift height: 3000-6500 mm / Load capacity: 1300-1500 kg

EFG BA 113/115





# EFG BA 113/115

| EFG BA 113, EFG BA 115 | Lift (h3) | Retracted mast height (h1) | Free lift (h2) | Extended mast height (h4) | Forward/backward tilt of fork carriage |
|------------------------|-----------|----------------------------|----------------|---------------------------|----------------------------------------|
| 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 °                                |
|                        | 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 °                                |
| 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 °                                |

# VDI table

|                  |        |                                             |          |                    |                 |
|------------------|--------|---------------------------------------------|----------|--------------------|-----------------|
| Characteristic   | 1.1    | Manufacturer (abbreviated description)      |          | Jungheinrich       |                 |
|                  | 1.2    | Manufacturer's type designation             |          | EFG BA 113         | EFG BA 115      |
|                  | 1.3    | Drive type                                  |          | electric           |                 |
|                  | 1.4    | Operation                                   |          | Seat               |                 |
|                  | 1.5    | Load capacity/load                          | Q kg     | 1300               | 1500            |
|                  | 1.6    | Load centre distance                        | c mm     | 500                |                 |
|                  | 1.8    | Load distance, centre of drive axle to fork | x mm     | 387                | 392             |
|                  | 1.9    | Wheelbase                                   | y mm     | 1156               | 1249            |
| Weights          | 2.1.1  | Service weight (incl. battery)              | kg       | 3045               | 3221            |
|                  | 2.2    | Axle load laden front/rear                  | kg       | 3753 / 592         | 3974 / 747      |
|                  | 2.3    | Axle load unladen front/rear                | kg       | 1422 / 1623        | 1482 / 1739     |
| Wheels/chassis   | 3.1    | Tyres                                       |          | Super-elastic (SE) |                 |
|                  | 3.2    | Tyre size, front                            |          | 18x6-12/1/8        |                 |
|                  | 3.3    | Tyre size, rear                             |          | 140/55-9           |                 |
|                  | 3.5    | Wheels, number front/back (x=driven)        |          | 2x / 2             |                 |
|                  | 3.6    | Tread width, front                          | b10 mm   | 838                |                 |
|                  | 3.7    | Tread width, rear                           | b11 mm   | 211                |                 |
|                  |        |                                             |          |                    |                 |
| Basic dimensions | 4.1    | Forward/backward tilt of mast               | a/β °    | 7 / 5              |                 |
|                  | 4.2    | Retracted mast height (h1)                  | h1 mm    | 2000               |                 |
|                  | 4.2.1  | Total height                                | h15 mm   | 2080               |                 |
|                  | 4.3    | Free lift (h2)                              | h2 mm    | 150                |                 |
|                  | 4.4    | Lift (h3)                                   | h3 mm    | 3000               |                 |
|                  | 4.5    | Extended mast height (h4)                   | h4 mm    | 3555               |                 |
|                  | 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   | 560                |                 |
|                  | 4.19   | Total length                                | l1 mm    | 2732               | 2830            |
|                  | 4.20   | Length including fork shank                 | l2 mm    | 1732               | 1830            |
|                  | 4.21.1 | total width                                 | b1 mm    | 990                |                 |
|                  | 4.22   | Fork dimensions                             | s/e/l mm | 35 x 100 x 1000    | 40 x 100 x 1000 |
|                  | 4.23   | Fork carriage connection class              |          | 2A                 |                 |
|                  | 4.24   | Fork carriage width                         | b3 mm    | 950                |                 |
|                  | 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   | 3056               | 3154            |
|                  | 4.34.2 | Aisle width (pallet 800x1200 length)        | Ast mm   | 3182               | 3279            |
|                  | 4.35   | Turning radius                              | Wa mm    | 1345               | 1438            |
|                  | 4.36   | Smallest pivot point distance               | b13 mm   | 0                  |                 |

|                                                                                                                                                                                                   |                            |                                           |                                    |                      |             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|-------------------------------------------|------------------------------------|----------------------|-------------|
| Performance data                                                                                                                                                                                  | 5.1                        | Travel speed laden/unladen                | km/h                               | 12.5 / 12.5          |             |
|                                                                                                                                                                                                   | 5.2                        | Lift speed laden/unladen                  | m/s                                | 0.25 / 0.53          | 0.24 / 0.53 |
|                                                                                                                                                                                                   | 5.3                        | Lowering speed laden/unladen              | m/s                                | 0.55 / 0.54          |             |
|                                                                                                                                                                                                   | 5.5                        | Drawbar pull laden                        | N                                  | 716                  | 886         |
|                                                                                                                                                                                                   | 5.6                        | Max. drawbar pull laden/unladen           | N                                  | 8752 / 8480          | 8675 / 9149 |
|                                                                                                                                                                                                   | 5.7                        | Gradeability laden/unladen                | %                                  | 8 / 12               | 8 / 11      |
|                                                                                                                                                                                                   | 5.8                        | Max. gradeability laden/unladen           | %                                  | 15 / 20              | 14 / 19     |
|                                                                                                                                                                                                   | 5.9                        | Acceleration time laden/unladen           | s                                  | 7.1 / 6.1            | 7.1 / 6.5   |
|                                                                                                                                                                                                   | 5.10                       | Service brake                             |                                    | mechanical/hydraulic |             |
|                                                                                                                                                                                                   | Electric motor/electronics | 6.1                                       | Drive motor, performance S2 60 min | kW                   | 3.7         |
| 6.1.1                                                                                                                                                                                             |                            | 2. Drive motor, performance S2 60 min     | kW                                 | 3.7                  |             |
| 6.2                                                                                                                                                                                               |                            | Lift motor, performance with S3           | kW                                 | 10                   |             |
| 6.3                                                                                                                                                                                               |                            | Battery according to DIN 43531/35/36      |                                    | DIN 43531 A          |             |
| 6.4                                                                                                                                                                                               |                            | Battery voltage/nominal capacity          | V / Ah                             | 48 / 375             | 48 / 500    |
| 6.5                                                                                                                                                                                               |                            | Battery weight                            | kg                                 | 560                  | 708         |
| 6.6.1                                                                                                                                                                                             |                            | Energy consumption according to EN cycle  | kWh/h                              | 3.33                 | 3.64        |
| 6.6.2                                                                                                                                                                                             |                            | CO2 equivalent as per EN 16796            | kg/h                               | 1.8                  | 1.9         |
| 6.7                                                                                                                                                                                               |                            | Throughput                                | t/h                                | 86                   | 97          |
| 6.8.1                                                                                                                                                                                             |                            | Energy consumption with max. throughput   | kWh/h                              | 3.38                 | 3.92        |
| 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                              | 17                   |             |
|                                                                                                                                                                                                   | 10.7                       | Sound pressure level according to EN12053 | dB (A)                             | 72                   |             |
|                                                                                                                                                                                                   | 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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