

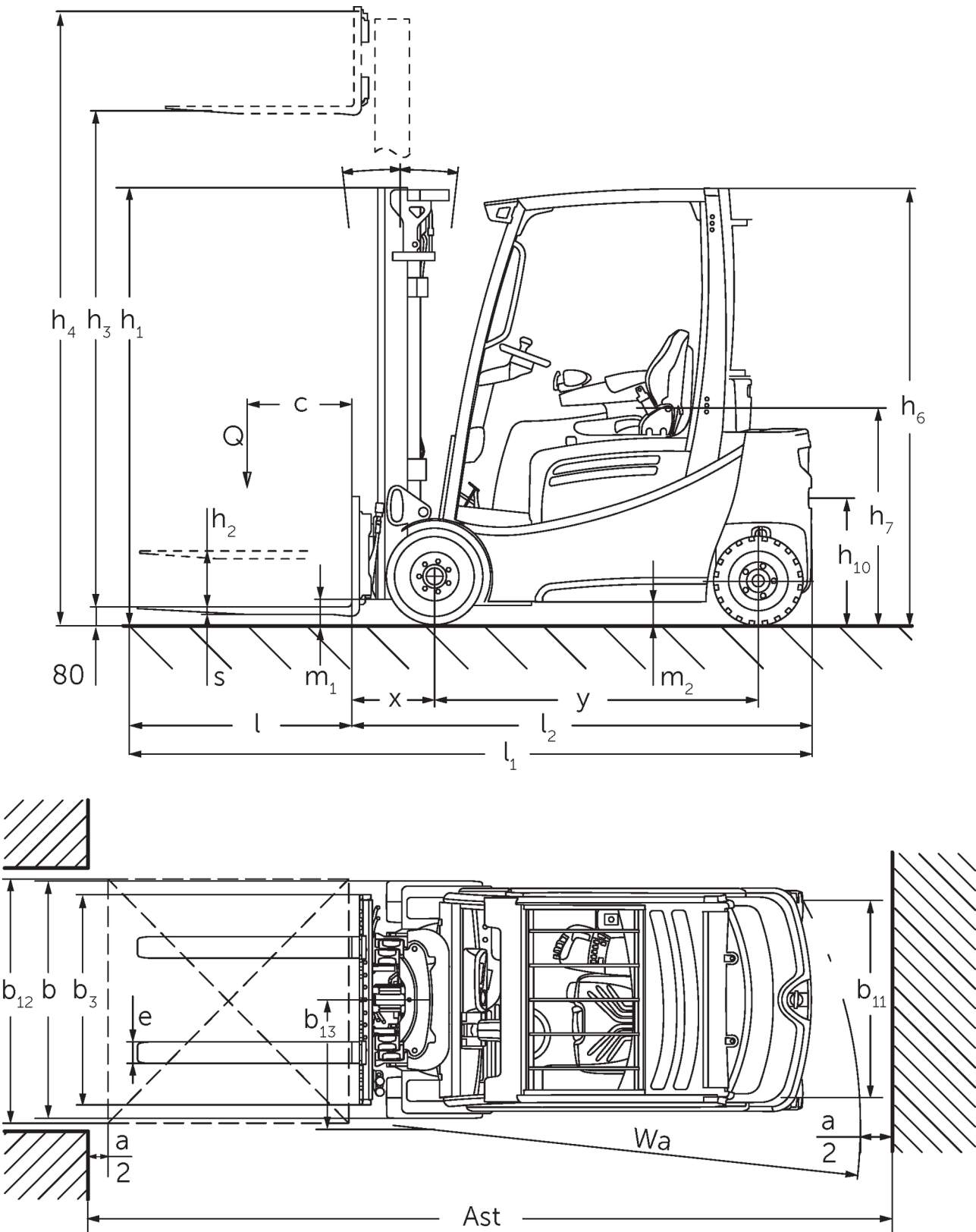


# **Electric four wheel counterbalance forklift truck**

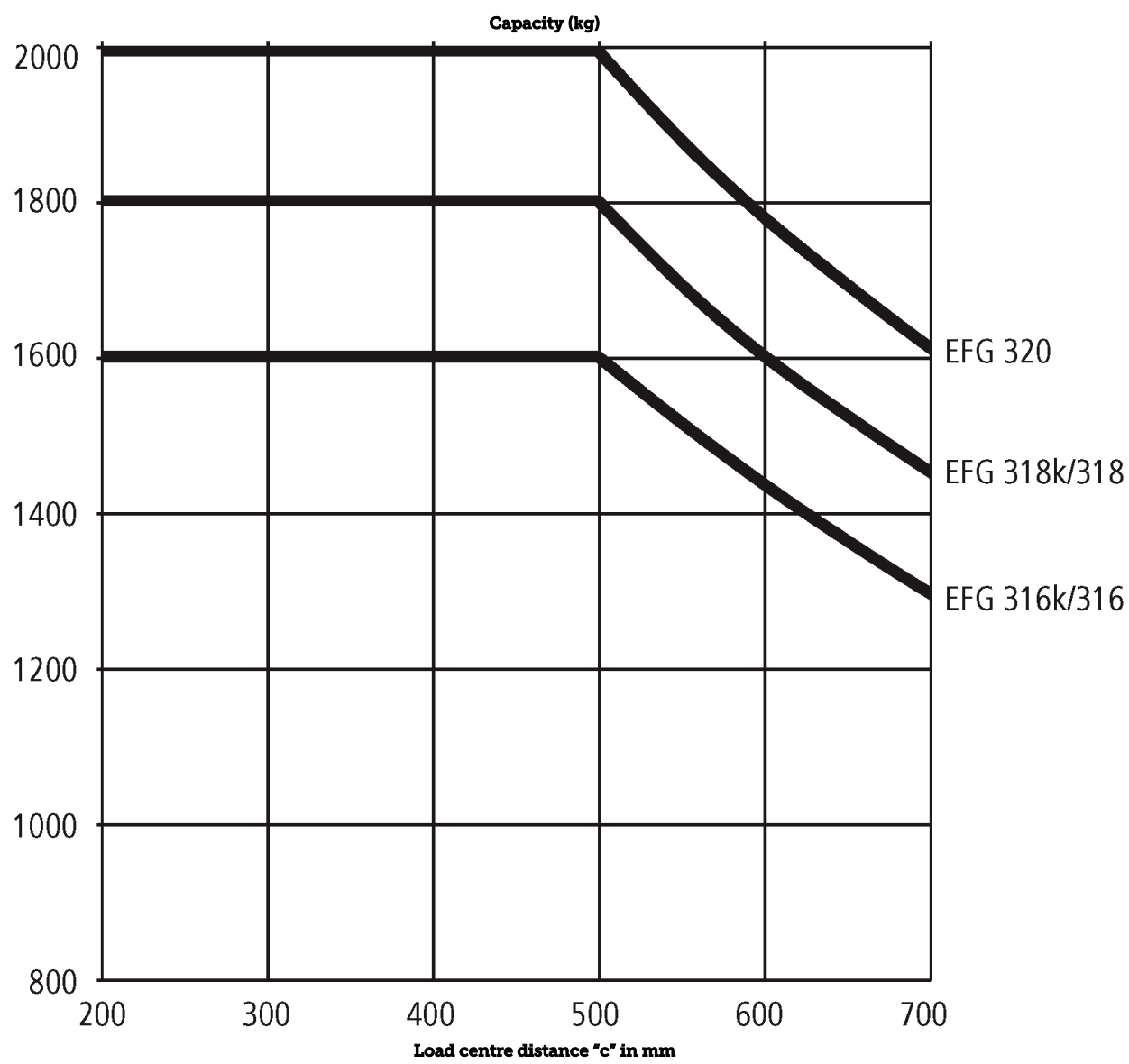
## **EFG 316-320**

**Lift height: 2900-6500 mm / Load capacity: 1600-2000 kg**

# EFG 316-320



# EFG 316-320



# EFG 316-320

| EFG 316k, EFG 316          | Lift (h3) | Retracted mast height (h1) | Free lift (h2) | Extended mast height (h4) | Forward/backward tilt of mast |
|----------------------------|-----------|----------------------------|----------------|---------------------------|-------------------------------|
| Duplex mast ZT             | 3000 mm   | 2060 mm                    | 150 mm         | 3590 mm                   | 7 / 6 °                       |
|                            | 3100 mm   | 2110 mm                    | 150 mm         | 3690 mm                   | 7 / 6 °                       |
|                            | 3300 mm   | 2210 mm                    | 150 mm         | 3890 mm                   | 7 / 7 °                       |
|                            | 3500 mm   | 2310 mm                    | 150 mm         | 4090 mm                   | 7 / 7 °                       |
|                            | 3700 mm   | 2410 mm                    | 150 mm         | 4290 mm                   | 7 / 7 °                       |
|                            | 4000 mm   | 2560 mm                    | 150 mm         | 4590 mm                   | 7 / 7 °                       |
|                            | 4500 mm   | 2810 mm                    | 150 mm         | 5090 mm                   | 7 / 7 °                       |
| Duplex mast ZZ             | 2900 mm   | 1965 mm                    | 1375 mm        | 3490 mm                   | 7 / 6 °                       |
|                            | 3100 mm   | 2065 mm                    | 1475 mm        | 3690 mm                   | 7 / 6 °                       |
|                            | 3180 mm   | 2105 mm                    | 1515 mm        | 3770 mm                   | 7 / 7 °                       |
|                            | 3300 mm   | 2165 mm                    | 1575 mm        | 3890 mm                   | 7 / 7 °                       |
|                            | 3500 mm   | 2265 mm                    | 1675 mm        | 4090 mm                   | 7 / 7 °                       |
|                            | 3700 mm   | 2365 mm                    | 1775 mm        | 4290 mm                   | 7 / 7 °                       |
|                            | 4000 mm   | 2515 mm                    | 1925 mm        | 4590 mm                   | 7 / 7 °                       |
| Triplex mast DZ            | 4250 mm   | 1975 mm                    | 1385 mm        | 4840 mm                   | 7 / 6 °                       |
|                            | 4400 mm   | 2025 mm                    | 1435 mm        | 4990 mm                   | 7 / 6 °                       |
|                            | 4640 mm   | 2105 mm                    | 1515 mm        | 5230 mm                   | 7 / 5 °                       |
|                            | 4700 mm   | 2125 mm                    | 1535 mm        | 5290 mm                   | 7 / 5 °                       |
|                            | 4800 mm   | 2165 mm                    | 1575 mm        | 5390 mm                   | 7 / 5 °                       |
|                            | 5000 mm   | 2235 mm                    | 1645 mm        | 5590 mm                   | 7 / 5 °                       |
|                            | 5500 mm   | 2415 mm                    | 1825 mm        | 6090 mm                   | 7 / 5 °                       |
|                            | 6000 mm   | 2585 mm                    | 1995 mm        | 6590 mm                   | 7 / 5 °                       |
|                            | 6500 mm   | 2765 mm                    | 2175 mm        | 7090 mm                   | 7 / 5 °                       |
|                            | 7000 mm   | 2935 mm                    | 2345 mm        | 7590 mm                   | 7 / 5 °                       |
| EFG 318k, EFG 318, EFG 320 | Lift (h3) | Retracted mast height (h1) | Free lift (h2) | Extended mast height (h4) | Forward/backward tilt of mast |
| Duplex mast ZT             | 3000 mm   | 2067 mm                    | 150 mm         | 3612 mm                   | 7 / 6 °                       |
|                            | 3100 mm   | 2117 mm                    | 150 mm         | 3712 mm                   | 7 / 6 °                       |
|                            | 3300 mm   | 2217 mm                    | 150 mm         | 3912 mm                   | 7 / 7 °                       |
|                            | 3500 mm   | 2317 mm                    | 150 mm         | 4112 mm                   | 7 / 7 °                       |
|                            | 3700 mm   | 2417 mm                    | 150 mm         | 4312 mm                   | 7 / 7 °                       |
|                            | 4000 mm   | 2567 mm                    | 150 mm         | 4612 mm                   | 7 / 7 °                       |
|                            | 4500 mm   | 2817 mm                    | 150 mm         | 5112 mm                   | 7 / 7 °                       |
| Duplex mast ZZ             | 2900 mm   | 1972 mm                    | 1330 mm        | 3542 mm                   | 7 / 6 °                       |
|                            | 3100 mm   | 2072 mm                    | 1430 mm        | 3742 mm                   | 7 / 6 °                       |
|                            | 3180 mm   | 2112 mm                    | 1470 mm        | 3822 mm                   | 7 / 7 °                       |
|                            | 3300 mm   | 2172 mm                    | 1530 mm        | 3942 mm                   | 7 / 7 °                       |
|                            | 3500 mm   | 2272 mm                    | 1630 mm        | 4142 mm                   | 7 / 7 °                       |
|                            | 3700 mm   | 2372 mm                    | 1730 mm        | 4342 mm                   | 7 / 7 °                       |
|                            | 4000 mm   | 2522 mm                    | 1880 mm        | 4642 mm                   | 7 / 7 °                       |
| Triplex mast DZ            | 4250 mm   | 1982 mm                    | 1340 mm        | 4892 mm                   | 7 / 6 °                       |
|                            | 4400 mm   | 2032 mm                    | 1390 mm        | 5042 mm                   | 7 / 6 °                       |
|                            | 4640 mm   | 2112 mm                    | 1470 mm        | 5282 mm                   | 7 / 5 °                       |
|                            | 4700 mm   | 2132 mm                    | 1490 mm        | 5342 mm                   | 7 / 5 °                       |
|                            | 4800 mm   | 2172 mm                    | 1530 mm        | 5442 mm                   | 7 / 5 °                       |
|                            | 5000 mm   | 2242 mm                    | 1600 mm        | 5642 mm                   | 7 / 5 °                       |
|                            | 5500 mm   | 2422 mm                    | 1780 mm        | 6142 mm                   | 7 / 5 °                       |

|         |         |         |         |         |
|---------|---------|---------|---------|---------|
| 6000 mm | 2592 mm | 1950 mm | 6642 mm | 7 / 5 ° |
| 6500 mm | 2772 mm | 2130 mm | 7142 mm | 7 / 5 ° |
| 7000 mm | 2942 mm | 2300 mm | 7642 mm | 7 / 5 ° |

# VDI table

Stand-on: 06/2021

|                          |                  |                                             |                                |                     |             |               |             |               |                 |
|--------------------------|------------------|---------------------------------------------|--------------------------------|---------------------|-------------|---------------|-------------|---------------|-----------------|
| Characteristic           | 1.1              | Manufacturer (abbreviated description)      |                                | Jungheinrich        |             |               |             |               |                 |
|                          | 1.2              | Manufacturer's type designation             |                                | EFG 316k            | EFG 316     | EFG 318k      | EFG 318     | EFG 320       |                 |
|                          | 1.3              | Drive                                       |                                | Electric            |             |               |             |               |                 |
|                          | 1.4              | Operation                                   |                                | Seat                |             |               |             |               |                 |
|                          | 1.5              | Load capacity/load                          | Q kg                           | 1600                |             | 1800          |             | 2000          |                 |
|                          | 1.6              | Load centre distance                        | c mm                           | 500                 |             |               |             |               |                 |
|                          | 1.8              | Load distance, centre of drive axle to fork | x mm                           | 344                 |             | 364           |             |               |                 |
|                          | 1.9              | Wheelbase                                   | y mm                           | 1400                | 1508        | 1400          | 1508        |               |                 |
|                          | Weights          | 2.1.1                                       | Service weight (incl. battery) | kg                  | 2974        | 2945          | 3139        | 3110          | 3290            |
| 2.2                      |                  | Axle load laden front/rear                  | kg                             | 3975 / 599          | 4013 / 532  | 4393 / 546    | 4417 / 493  | 4753 / 537    |                 |
| 2.3                      |                  | Axle load unladen front/rear                | kg                             | 1342 / 1632         | 1454 / 1491 | 1379 / 1760   | 1492 / 1618 | 1503 / 1787   |                 |
| Wheels/suspension system | 3.1              | Tyres                                       |                                | SE / SE             |             |               |             |               |                 |
|                          | 3.2              | Tyre size, front                            |                                | 18 x 7-8            |             | 200 / 50-10   |             |               |                 |
|                          | 3.3              | Tyre size, rear                             |                                | 16 x 6-8            |             |               |             |               |                 |
|                          | 3.5              | Wheels, number front/back (x=driven)        |                                | 2x/2                |             |               |             |               |                 |
|                          | 3.6              | Tread width, front                          | b <sub>10</sub> mm             | 904                 |             | 914           |             |               |                 |
|                          | 3.7              | Tread width, rear                           | b <sub>11</sub> mm             | 830                 |             |               |             |               |                 |
|                          | Basic dimensions | 4.2                                         | Retracted mast height (h1)     | h <sub>1</sub> mm   | 2060        |               | 2067        |               |                 |
| 4.3                      |                  | Free lift (h2)                              | h <sub>2</sub> mm              | 150                 |             |               |             |               |                 |
| 4.4                      |                  | Lift (h3)                                   | h <sub>3</sub> mm              | 3000                |             |               |             |               |                 |
| 4.5                      |                  | Extended mast height (h4)                   | h <sub>4</sub> mm              | 3590                |             | 3612          |             |               |                 |
| 4.7                      |                  | Height of overhead guard (cab)              | h <sub>6</sub> mm              | 2040                |             |               |             |               |                 |
| 4.8                      |                  | Seat height/stand height                    | h <sub>7</sub> mm              | 920                 |             |               |             |               |                 |
| 4.12                     |                  | Coupling height                             | h <sub>10</sub> mm             | 410                 |             |               |             |               |                 |
| 4.12.1                   |                  | 2. Coupling height                          | mm                             | 580                 |             |               |             |               |                 |
| 4.19                     |                  | Overall length                              | l <sub>1</sub> mm              | 3140                | 3248        | 3140          | 3248        |               |                 |
| 4.20                     |                  | Length including fork shank                 | l <sub>2</sub> mm              | 1990                | 2098        | 1990          | 2098        |               |                 |
| 4.21.1                   |                  | Overall width                               | b <sub>1</sub> mm              | 1060                |             | 1120          |             |               |                 |
| 4.22                     |                  | Fork dimensions                             | s/<br>e/l x                    | 40 x 80 x 1150      |             |               |             |               | 40 x 100 x 1150 |
| 4.23                     |                  | Fork carriage connection class              |                                | 2A                  |             |               |             |               |                 |
| 4.24                     |                  | Fork carriage width                         | b <sub>3</sub> mm              | 980                 |             |               |             |               |                 |
| 4.31                     |                  | Ground clearance laden under mast           | m <sub>1</sub> mm              | 97                  |             | 105           |             |               |                 |
| 4.32                     |                  | Ground clearance centre of wheelbase        | m <sub>2</sub> mm              | 100                 |             |               |             |               |                 |
| 4.34                     |                  | Aisle width (pallet 1000x1200 sideways)     | Ast mm                         | 3407                | 3530        | 3427          | 3550        |               |                 |
| 4.34.1                   |                  | Aisle width (pallet 800x1200 length)        | Ast mm                         | 3603                | 3729        | 3623          | 3749        |               |                 |
| 4.35                     |                  | Turning radius                              | W <sub>a</sub> mm              | 1859                | 1985        | 1859          | 1985        |               |                 |
| 4.36                     |                  | Smallest pivot point distance               | b <sub>13</sub> mm             | 498                 | 562         | 498           | 562         |               |                 |
| Performance data         | 5.1              | Travel speed laden/unladen                  | km/h                           | 17 / 17             |             |               |             |               |                 |
|                          | 5.2              | Lift speed laden/unladen                    | m/s                            | 0.49 / 0.6          |             | 0.44 / 0.55   |             | 0.4 / 0.55    |                 |
|                          | 5.3              | Lowering speed laden/unladen                | m/s                            | 0.55 / 0.55         |             |               |             |               |                 |
|                          | 5.5              | Drawbar pull laden/unladen                  | N                              | 2150 / 2450         | 2100 / 2450 | 2000 / 2300   |             | 1900 / 2300   |                 |
|                          | 5.6              | Max. drawbar pull laden/unladen             | N                              | 12700 / 12700       |             | 12400 / 12200 |             | 12300 / 12000 |                 |
|                          | 5.7              | Gradeability laden/unladen                  | %                              | 12 / 20             |             |               |             |               |                 |
|                          | 5.8              | Max. gradeability laden/unladen             | %                              | 27 / 35             |             | 26 / 35       | 25 / 35     | 24 / 35       |                 |
|                          | 5.9              | Acceleration time laden/unladen             | s                              | 3.8 / 3.4           |             | 3.9 / 3.5     |             | 4 / 3.5       |                 |
|                          | 5.10             | Service brake                               |                                | electric/mechanical |             |               |             |               |                 |

|                                                                                                                                                                                                   |       |                                            |        |             |          |          |          |     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------------------------------------------|--------|-------------|----------|----------|----------|-----|
| E-motor/Electronics                                                                                                                                                                               | 6.1   | Drive motor, performance S2 60 min         | kW     | 4.5         |          |          |          |     |
|                                                                                                                                                                                                   | 6.1.1 | 2. Drive motor, performance S2 60 min      | kW     | 4.5         |          |          |          |     |
|                                                                                                                                                                                                   | 6.2   | Lift motor, performance with S3            | kW     | 11.5        |          |          |          |     |
|                                                                                                                                                                                                   | 6.3   | Battery according to DIN 43531/35/36       |        | DIN 43531 A |          |          |          |     |
|                                                                                                                                                                                                   | 6.4   | Battery voltage/nominal capacity           | V / Ah | 48 / 625    | 48 / 750 | 48 / 625 | 48 / 750 |     |
|                                                                                                                                                                                                   | 6.5   | Battery weight                             | kg     | 855         | 1025     | 855      | 1025     |     |
|                                                                                                                                                                                                   | 6.6.1 | Energy consumption according to EN cycle   | kWh/h  | 3.8         |          | 4.1      |          | 4.3 |
|                                                                                                                                                                                                   | 6.6.2 | CO2 equivalent as per EN 16796             | kg/h   | 2.1         |          | 2.2      |          | 2.3 |
|                                                                                                                                                                                                   | 6.7   | Throughput                                 | t/h    | 128         |          | 136      |          | 144 |
|                                                                                                                                                                                                   | 6.8.1 | Energy consumption with max. throughput    | kWh/h  | 5           |          |          |          | 5.5 |
| Other                                                                                                                                                                                             | 8.1   | Type of drive control                      |        | Impulse/AC  |          |          |          |     |
|                                                                                                                                                                                                   | 10.1  | Operating pressure for attachment          | bar    | 200         |          |          |          |     |
|                                                                                                                                                                                                   | 10.2  | Oil flow for attachments                   | l/min  | 25          |          |          |          |     |
|                                                                                                                                                                                                   | 10.7  | Sound level as per EN12053, operator's ear | dB (A) | 67          |          |          |          |     |
|                                                                                                                                                                                                   | 10.8  | Trailer coupling, model/type DIN           |        | DIN 15170 H |          |          |          |     |
| - 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. |       |                                            |        |             |          |          |          |     |

- 6.6.1: 60 working cycles / h

The German production facilities in  
Norderstedt, Moosburg and Landsberg  
are certified.

ISO 9001  
ISO 14001

Jungheinrich fork lift trucks meet  
European safety requirements.



 **JUNGHEINRICH**