



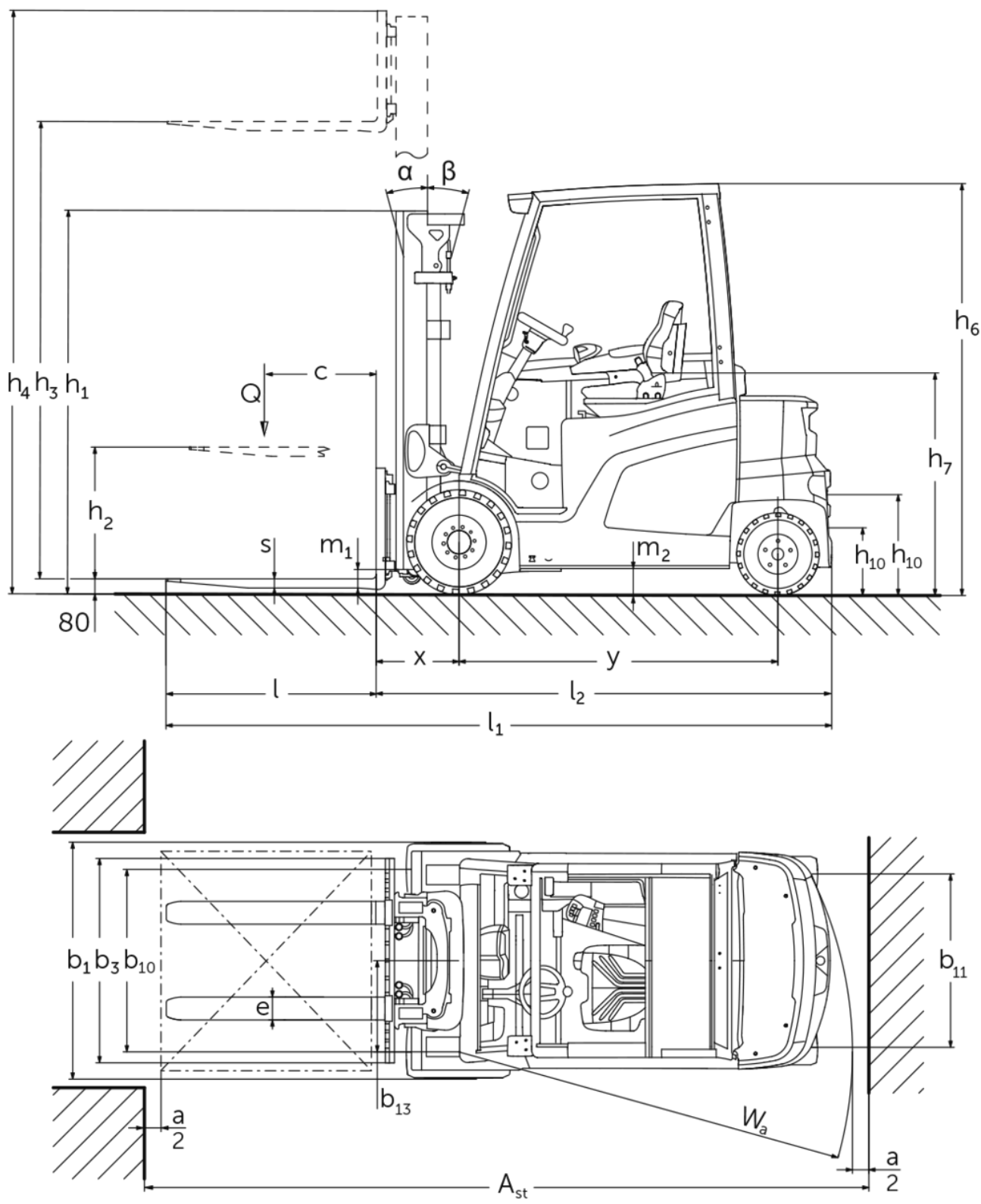
## Electric four wheel counterbalance forklift truck

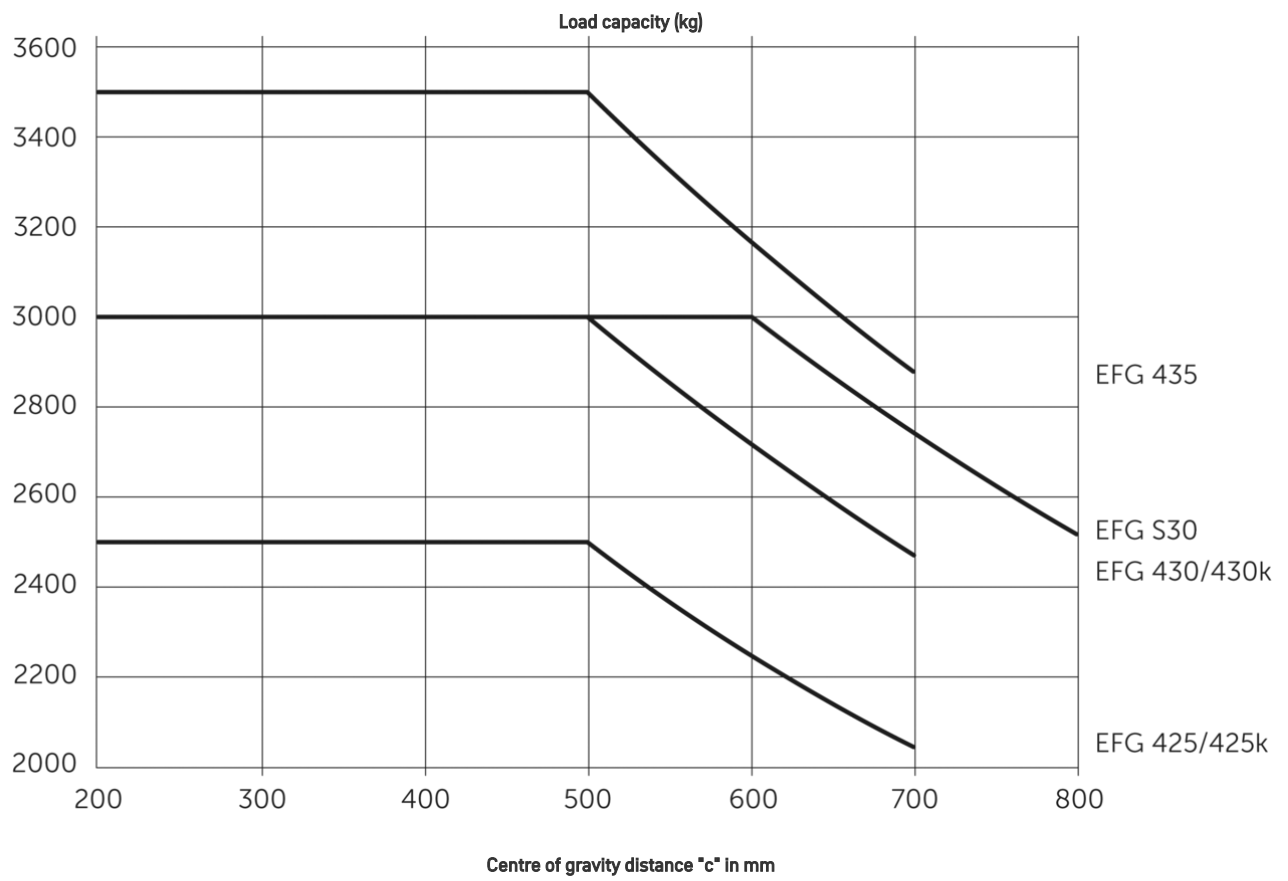
**EFG 425–435**

Lift height: 2900-7500 mm / Load capacity: 2500-3500 kg



EFG 425–435





## EFG 425–435

| EFG 425k, EFG 425          | Lift (h3) | Retracted mast height (h1) | Free lift (h2) | Extended mast height (h4) | Forward/backward tilt of mast |
|----------------------------|-----------|----------------------------|----------------|---------------------------|-------------------------------|
| Duplex mast ZT             | 2900 mm   | 2125 mm                    | 150 mm         | 3500 mm                   | 6 / 8 °                       |
|                            | 3100 mm   | 2225 mm                    | 150 mm         | 3700 mm                   | 6 / 8 °                       |
| Duplex mast ZZ             | 3100 mm   | 2190 mm                    | 1600 mm        | 3690 mm                   | 6 / 8 °                       |
| Triplex mast DZ            | 4400 mm   | 2090 mm                    | 1500 mm        | 4990 mm                   | 6 / 8 °                       |
|                            | 4700 mm   | 2190 mm                    | 1600 mm        | 5290 mm                   | 6 / 8 °                       |
| EFG 430k, EFG 430, EFG S30 | Lift (h3) | Retracted mast height (h1) | Free lift (h2) | Extended mast height (h4) | Forward/backward tilt of mast |
| Duplex mast ZT             | 2900 mm   | 2122 mm                    | 150 mm         | 3657 mm                   | 6 / 8 °                       |
| Duplex mast ZZ             | 3100 mm   | 2187 mm                    | 1450 mm        | 3837 mm                   | 6 / 8 °                       |
| Triplex mast DZ            | 4400 mm   | 2087 mm                    | 1350 mm        | 5137 mm                   | 6 / 8 °                       |
|                            | 4700 mm   | 2187 mm                    | 1450 mm        | 5437 mm                   | 6 / 8 °                       |
| EFG 435                    | Lift (h3) | Retracted mast height (h1) | Free lift (h2) | Extended mast height (h4) | Forward/backward tilt of mast |
| Duplex mast ZT             | 2900 mm   | 2152 mm                    | 150 mm         | 3686 mm                   | 6 / 8 °                       |
|                            | 3100 mm   | 2252 mm                    | 150 mm         | 3886 mm                   | 6 / 8 °                       |
| Duplex mast ZZ             | 3100 mm   | 2217 mm                    | 1451 mm        | 3866 mm                   | 6 / 8 °                       |
| Triplex mast DZ            | 4400 mm   | 2117 mm                    | 1351 mm        | 5166 mm                   | 6 / 8 °                       |
|                            | 4700 mm   | 2217 mm                    | 1451 mm        | 5466 mm                   | 6 / 8 °                       |

## VDI table

|                          |        |                                             |              |                    |             |                 |             |             |             |     |
|--------------------------|--------|---------------------------------------------|--------------|--------------------|-------------|-----------------|-------------|-------------|-------------|-----|
| Characteristic           | 1.1    | Manufacturer (abbreviated description)      |              | Jungheinrich       |             |                 |             |             |             |     |
|                          | 1.2    | Manufacturer's type designation             |              | EFG 425k           | EFG 425     | EFG 430k        | EFG 430     | EFG S30     | EFG 435     |     |
|                          | 1.3    | Drive                                       |              | Electric           |             |                 |             |             |             |     |
|                          | 1.4    | Operation                                   |              | Seat               |             |                 |             |             |             |     |
|                          | 1.5    | Load capacity/load                          | Q kg         | 2500               |             | 3000            |             | 3500        |             |     |
|                          | 1.6    | Load centre distance                        | c mm         | 500                |             |                 |             | 600         | 500         |     |
|                          | 1.8    | Load distance, centre of drive axle to fork | x mm         | 442                |             | 447             |             |             |             |     |
|                          | 1.9    | Wheelbase                                   | y mm         | 1595               | 1740        | 1595            | 1745        |             |             |     |
| Weights                  | 2.1.1  | Service weight (incl. battery)              | kg           | 4691               | 4642        | 5298            | 5143        | 5435        | 5664        |     |
|                          | 2.2    | Axle load laden front/rear                  | kg           | 6414 / 776         | 6466 / 676  | 7404 / 895      | 7395 / 748  | 7605 / 829  | 8239 / 926  |     |
|                          | 2.3    | Axle load unladen front/rear                | kg           | 2419 / 2272        | 2595 / 2047 | 2594 / 2704     | 2741 / 2402 | 2771 / 2664 | 2805 / 2859 |     |
| Wheels/suspension system | 3.1    | Tyres                                       |              | Super-elastic (SE) |             |                 |             |             |             |     |
|                          | 3.2    | Tyre size, front                            |              | 225/75-10          |             | 250/60-12       |             | 315/45-12   |             |     |
|                          | 3.3    | Tyre size, rear                             |              | 180/70-8           |             | 200/50-10       | 180/70-8    | 200/50-10   |             |     |
|                          | 3.5    | Wheels, number front/back (x=driven)        |              | 2x / 2             |             |                 |             |             |             |     |
|                          | 3.6    | Tread width, front                          | b10 mm       | 990                |             | 950             |             | 1000        |             |     |
|                          | 3.7    | Tread width, rear                           | b11 mm       | 940                |             |                 |             |             |             | 950 |
|                          |        |                                             |              |                    |             |                 |             |             |             |     |
| Basic dimensions         | 4.1    | Forward/backward tilt of mast               | a/β °        | 6 / 8              |             |                 |             |             |             |     |
|                          | 4.2    | Retracted mast height (h1)                  | h1 mm        | 2325               |             | 2322            |             | 2352        |             |     |
|                          | 4.3    | Free lift (h2)                              | h2 mm        | 150                |             |                 |             |             |             |     |
|                          | 4.4    | Lift (h3)                                   | h3 mm        | 3300               |             |                 |             |             |             |     |
|                          | 4.5    | Extended mast height (h4)                   | h4 mm        | 3900               |             | 4057            |             | 4086        |             |     |
|                          | 4.7    | Height of overhead guard (cab)              | h6 mm        | 2240               |             |                 |             |             |             |     |
|                          | 4.8    | Seat height/stand height                    | h7 mm        | 1226               |             |                 |             |             |             |     |
|                          | 4.12   | Coupling height                             | h10 mm       | 380                |             |                 |             |             |             |     |
|                          | 4.12.1 | 2. Coupling height                          | mm           | 530                |             |                 |             |             |             |     |
|                          | 4.19   | total length                                | l1 mm        | 3484               | 3632        | 3489            | 3637        |             |             |     |
|                          | 4.20   | Length including fork shank                 | l2 mm        | 2334               | 2482        | 2339            | 2487        |             |             |     |
|                          | 4.21.1 | total width                                 | b1 mm        | 1200               |             |                 |             | 1300        |             |     |
|                          | 4.22   | Fork dimensions                             | s/<br>e/l mm | 40 x 100 x 1150    |             | 45 x 125 x 1150 |             |             |             |     |
|                          | 4.23   | Fork carriage connection class              |              | 2A                 |             | 3A              |             |             |             |     |
|                          | 4.24   | Fork carriage width                         | b3 mm        | 1120               |             |                 |             |             |             |     |
|                          | 4.31   | Ground clearance laden under mast           | m1 mm        | 110                |             |                 |             |             |             |     |
|                          | 4.32   | Ground clearance centre of wheelbase        | m2 mm        | 135                |             |                 |             |             |             |     |
|                          | 4.34.1 | Aisle width (pallet 1000×1200 sideways)     | Ast mm       | 3722               | 3872        | 3727            | 3877        |             |             |     |
|                          | 4.34.2 | Aisle width (pallet 800x1200 length)        | Ast mm       | 3922               | 4072        | 3927            | 4077        |             |             |     |
|                          | 4.35   | Turning radius                              | Wa mm        | 2080               | 2230        | 2080            | 2230        |             |             |     |
|                          | 4.36   | Smallest pivot point distance               | b13 mm       | 580                | 630         | 580             | 630         |             |             |     |

|                                                                                                                                                                                                   |                                                             |                                                                |                                                             |                                         |                               |                             |                           |                       |                           |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|----------------------------------------------------------------|-------------------------------------------------------------|-----------------------------------------|-------------------------------|-----------------------------|---------------------------|-----------------------|---------------------------|--|
| Performance data                                                                                                                                                                                  | 5.1                                                         | Travel speed laden/unladen (Efficiency   drivePLUS)            | km/h                                                        | 17 / 17   20 / 20                       |                               |                             |                           |                       |                           |  |
|                                                                                                                                                                                                   | 5.2                                                         | Lift speed laden/unladen (Efficiency   liftPLUS)               | m/s                                                         | 0.58 / 0.62   0.64 / 0.68               |                               |                             | 0.5 / 0.52   0.57 / 0.63  |                       | 0.44 / 0.51   0.5 / 0.53  |  |
|                                                                                                                                                                                                   | 5.3                                                         | Lowering speed laden/unladen (Efficiency   liftPLUS)           | m/s                                                         | 0.59 / 0.62   0.59 / 0.62               |                               |                             | 0.58 / 0.64   0.58 / 0.64 |                       | 0.56 / 0.59   0.56 / 0.59 |  |
|                                                                                                                                                                                                   | 5.5                                                         | Drawbar pull laden/unladen (Efficiency   drivePLUS)            | N                                                           | 8000 / 8000   10000 / 10000             |                               | 7000 / 7000   10000 / 10000 |                           |                       |                           |  |
|                                                                                                                                                                                                   | 5.6                                                         | Max. drawbar pull laden/unladen (Efficiency   drivePLUS)       | N                                                           | 16000 / 16000   19500 / 18600           | 16000 / 16000   19500 / 19500 |                             |                           |                       |                           |  |
|                                                                                                                                                                                                   | 5.7                                                         | Gradeability laden/unladen (Efficiency   drivePLUS)            | %                                                           | 12 / 18   19 / 30                       |                               | 10 / 15   16 / 25           |                           | 10 / 15   14 / 23     |                           |  |
|                                                                                                                                                                                                   | 5.8                                                         | Max. gradeability laden/unladen (Efficiency   drivePLUS)       | %                                                           | 18 / 28   27 / 34                       | 18 / 28   27 / 38             | 18 / 28   22 / 33           |                           | 17 / 28   20 / 33     |                           |  |
|                                                                                                                                                                                                   | 5.9                                                         | Acceleration time laden/unladen (Efficiency   drivePLUS)       | s                                                           | 6.1 / 5.7   5.3 / 5                     |                               | 6.1 / 5.4   5.5 / 5         |                           | 6.4 / 5.5   5.6 / 5.1 |                           |  |
|                                                                                                                                                                                                   | 5.10                                                        | Service brake                                                  |                                                             | Friction brake (hydraulically operated) |                               |                             |                           |                       |                           |  |
|                                                                                                                                                                                                   | E-motor/Electronics                                         | 6.1                                                            | Drive motor, performance S2 60 min (Efficiency   drivePLUS) | kW                                      | 8.9   11.3                    |                             |                           |                       |                           |  |
| 6.1.1                                                                                                                                                                                             |                                                             | 2. Drive motor, performance S2 60 min (Efficiency   drivePLUS) | kW                                                          | 8.9   11.3                              |                               |                             |                           |                       |                           |  |
| 6.2                                                                                                                                                                                               |                                                             | Lift motor, performance with S3 (Efficiency   liftPLUS)        | kW                                                          | 19.5   22                               |                               |                             |                           |                       |                           |  |
| 6.3                                                                                                                                                                                               |                                                             | Battery according to DIN 43531/35/36                           |                                                             | DIN 43536 A                             |                               |                             |                           |                       |                           |  |
| 6.4                                                                                                                                                                                               |                                                             | Battery voltage/nominal capacity                               | V / Ah                                                      | 80 / 620                                | 80 / 775                      | 80 / 620                    | 80 / 775                  |                       |                           |  |
| 6.5                                                                                                                                                                                               |                                                             | Battery weight                                                 | kg                                                          | 1558                                    | 1863                          | 1558                        | 1863                      |                       |                           |  |
| 6.6.1                                                                                                                                                                                             |                                                             | Energy consumption according to EN cycle (Efficiency   PLUS)   | kWh/h                                                       | 6.2   6.2                               |                               | 7.2   7.2                   | 7.1   7.1                 | 7.4   7.4             | 8.1   8.3                 |  |
| 6.6.2                                                                                                                                                                                             |                                                             | CO2 equivalent according to EN ISO 23308 (Efficiency   PLUS)   | kg/h0                                                       | 3.4   3.4                               |                               | 3.9   3.9                   | 3.8   3.8                 | 4   4                 | 4.4   4.5                 |  |
| 6.7                                                                                                                                                                                               |                                                             | Throughput (Efficiency   PLUS)                                 | t/h                                                         | 173   188                               |                               | 204   219                   |                           | 201   219             | 224   238                 |  |
| 6.8                                                                                                                                                                                               |                                                             | Turnover efficiency according to VDI 2198 (Efficiency   PLUS)  | t/kWh                                                       | 22.2   20                               |                               | 22.9   21.3                 |                           | 22.8   21.3           | 24.3   22.2               |  |
| 6.8.1                                                                                                                                                                                             | Energy consumption with max. throughput (Efficiency   PLUS) | kWh/h                                                          | 7.8   9.4                                                   |                                         | 8.9   10.3                    |                             | 8.8   10.3                | 9.2   10.7            |                           |  |
| Other                                                                                                                                                                                             | 8.1                                                         | Type of drive control                                          |                                                             | Impulse/AC                              |                               |                             |                           |                       |                           |  |
|                                                                                                                                                                                                   | 10.1                                                        | Operating pressure for attachment                              | bar                                                         | 240                                     |                               |                             |                           |                       |                           |  |
|                                                                                                                                                                                                   | 10.2                                                        | Oil flow for attachments                                       | l/min                                                       | 45                                      |                               |                             |                           |                       |                           |  |
|                                                                                                                                                                                                   | 10.7                                                        | Sound pressure level according to EN12053                      | dB (A)                                                      | 69                                      |                               |                             |                           |                       |                           |  |
|                                                                                                                                                                                                   | 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. |                                                             |                                                                |                                                             |                                         |                               |                             |                           |                       |                           |  |

Please note:

The values specified for the standard truck were determined using Continental tyres. Different tyres on the standard truck 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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