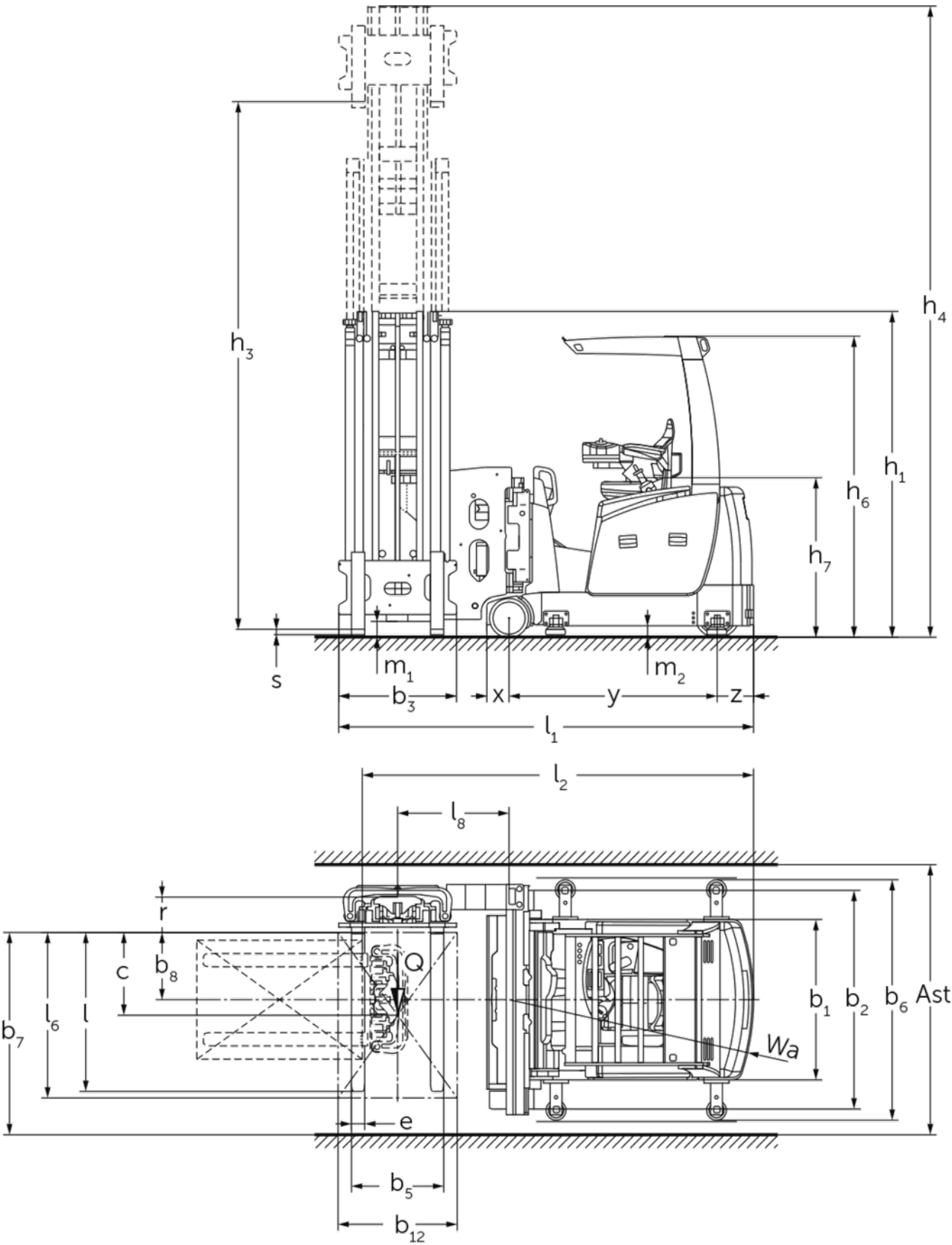




## **Electric front seat / tri-lateral stacker** **EFX 411/414**

Lift height: 3000-9000 mm / Load capacity: 1100-1360 kg

EFX 411/414



# EFX 411/414

| EFX 411, EFX 414 | Lift (h3) | Retracted mast height (h1) | Free lift (h2) | Extended mast height (h4) |
|------------------|-----------|----------------------------|----------------|---------------------------|
| Duplex mast ZT   | 3000 mm   | 2305 mm                    | 66 mm          | 3772 mm                   |
|                  | 3250 mm   | 2430 mm                    | 66 mm          | 4022 mm                   |
|                  | 3500 mm   | 2555 mm                    | 66 mm          | 4272 mm                   |
|                  | 3750 mm   | 2680 mm                    | 66 mm          | 4522 mm                   |
|                  | 4000 mm   | 2805 mm                    | 66 mm          | 4772 mm                   |
|                  | 4250 mm   | 2930 mm                    | 66 mm          | 5022 mm                   |
|                  | 4500 mm   | 3055 mm                    | 66 mm          | 5272 mm                   |
|                  | 4750 mm   | 3250 mm                    | 66 mm          | 5592 mm                   |
|                  | 5000 mm   | 3375 mm                    | 66 mm          | 5842 mm                   |
|                  | 5250 mm   | 3500 mm                    | 66 mm          | 6092 mm                   |
|                  | 5500 mm   | 3625 mm                    | 66 mm          | 6342 mm                   |
|                  | 5750 mm   | 3750 mm                    | 66 mm          | 6592 mm                   |
|                  | 6000 mm   | 3875 mm                    | 66 mm          | 6842 mm                   |
| Triplex mast DT  | 4000 mm   | 2100 mm                    |                | 4767 mm                   |
|                  | 4500 mm   | 2280 mm                    |                | 5280 mm                   |
|                  | 5000 mm   | 2460 mm                    |                | 5793 mm                   |
|                  | 5500 mm   | 2640 mm                    |                | 6307 mm                   |
|                  | 6000 mm   | 2820 mm                    |                | 6820 mm                   |
|                  | 6500 mm   | 3000 mm                    |                | 7333 mm                   |
|                  | 7000 mm   | 3180 mm                    |                | 7847 mm                   |
| Triplex mast DZ  | 4000 mm   | 2100 mm                    | 1410 mm        | 4690 mm                   |
|                  | 4250 mm   | 2190 mm                    | 1500 mm        | 4940 mm                   |
|                  | 4500 mm   | 2280 mm                    | 1590 mm        | 5190 mm                   |
|                  | 4750 mm   | 2370 mm                    | 1680 mm        | 5440 mm                   |
|                  | 5000 mm   | 2460 mm                    | 1770 mm        | 5690 mm                   |
|                  | 5250 mm   | 2550 mm                    | 1860 mm        | 5940 mm                   |
|                  | 5500 mm   | 2640 mm                    | 1950 mm        | 6190 mm                   |
|                  | 5750 mm   | 2730 mm                    | 2040 mm        | 6440 mm                   |
|                  | 6000 mm   | 2820 mm                    | 2130 mm        | 6690 mm                   |
|                  |           |                            |                |                           |

|                 |           |                            |                |                           |
|-----------------|-----------|----------------------------|----------------|---------------------------|
|                 | 6250 mm   | 2910 mm                    | 2220 mm        | 6940 mm                   |
|                 | 6500 mm   | 3000 mm                    | 2310 mm        | 7190 mm                   |
|                 | 6750 mm   | 3090 mm                    | 2400 mm        | 7440 mm                   |
|                 | 7000 mm   | 3180 mm                    | 2490 mm        | 7690 mm                   |
| EFX 414         | Lift (h3) | Retracted mast height (h1) | Free lift (h2) | Extended mast height (h4) |
| Triplex mast DT | 7500 mm   | 3360 mm                    |                | 8360 mm                   |
|                 | 8000 mm   | 3540 mm                    |                | 8873 mm                   |
|                 | 8500 mm   | 3720 mm                    |                | 9387 mm                   |
|                 | 9000 mm   | 3900 mm                    |                | 9900 mm                   |

## VDI table

|                  |        |                                             |       |    |                     |             |
|------------------|--------|---------------------------------------------|-------|----|---------------------|-------------|
| Characteristic   | 1.1    | Manufacturer (abbreviated description)      |       |    | Jungheinrich        |             |
|                  | 1.2    | Manufacturer's type designation             |       |    | EFX 411             | EFX 414     |
|                  | 1.3    | Drive type                                  |       |    | electric            |             |
|                  | 1.4    | Operation                                   |       |    | Tri-lateral stacker |             |
|                  | 1.5    | Load capacity/load                          | Q     | kg | 1100                | 1360        |
|                  | 1.6    | Load centre distance                        | c     | mm | 600                 |             |
|                  | 1.8    | Load distance, centre of drive axle to fork | x     | mm | 168                 |             |
|                  | 1.9    | Wheelbase                                   | y     | mm | 1572                |             |
|                  | 1.10   | Centre drive wheel/counterweight            | z     | mm | 275                 |             |
| Weights          | 2.1.1  | Service weight (incl. battery)              |       | kg | 4660                | 5100        |
|                  | 2.2    | Axle load laden front/rear                  |       | kg | 4840 / 1000         | 5370 / 1170 |
|                  | 2.3    | Axle load unladen front/rear                |       | kg | 3120 / 1540         | 3250 / 1850 |
| Wheels/chassis   | 3.1    | Tyres                                       |       |    | Vulkollan ®         |             |
|                  | 3.2    | Tyre size, front                            |       |    | Ø 295 x 144         |             |
|                  | 3.3    | Tyre size, rear                             |       |    | Ø 343 x 110         |             |
|                  | 3.5    | Wheels, number front/back (x=driven)        |       |    | 2 / 1x              |             |
|                  | 3.6    | Tread width, front                          | b10   | mm | 1406                |             |
| Basic dimensions | 4.2    | Retracted mast height (h1)                  | h1    | mm | 2100                |             |
|                  | 4.3    | Free lift (h2)                              | h2    | mm | 0                   |             |
|                  | 4.4    | Lift (h3)                                   | h3    | mm | 4000                |             |
|                  | 4.5    | Extended mast height (h4)                   | h4    | mm | 4767                |             |
|                  | 4.7    | Height of overhead guard (cab)              | h6    | mm | 2273                |             |
|                  | 4.8    | Seat height/stand height                    | h7    | mm | 1205                |             |
|                  | 4.19   | Total length                                | l1    | mm | 3134                |             |
|                  | 4.20   | Length including fork shank                 | l2    | mm | 2956                |             |
|                  | 4.21.1 | total width                                 | b1    | mm | 1210                |             |
|                  | 4.21.2 | total width                                 | b2    | mm | 1550                |             |
|                  | 4.22   | Fork dimensions                             | s/e/l | mm | 40 x 100 x 1200     |             |
|                  | 4.23   | Fork carriage connection class              |       |    | 2B                  |             |
|                  | 4.24   | Fork carriage width                         | b3    | mm | 890                 |             |
|                  | 4.25   | Width across forks                          | b5    | mm | 850                 |             |
|                  | 4.27   | Width over guide rollers                    | b6    | mm | 1600                |             |
|                  | 4.29   | Reach, lateral                              |       | mm | 1370                |             |
|                  | 4.30   | Reach, lateral from centre of truck         |       | mm | 420                 |             |
|                  | 4.31   | Ground clearance laden under mast           | m1    | mm | 120                 |             |
|                  | 4.32   | Ground clearance centre of wheelbase        | m2    | mm | 87                  |             |
|                  | 4.35   | Turning radius                              | Wa    | mm | 1847                |             |
|                  | 4.38   | Distance swivelling fork pivot point        |       | mm | 842                 |             |
|                  | 4.38.4 | Pallet width                                |       | mm | 1200                |             |
|                  | 4.38.5 | Pallet length                               |       | mm | 1200                |             |

|                                                                                                                                                                                                   |      |                                           |        |                         |           |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------------------------------------|--------|-------------------------|-----------|
| Performance data                                                                                                                                                                                  | 5.1  | Travel speed laden/unladen                | km/h   | 9 / 9                   |           |
|                                                                                                                                                                                                   | 5.2  | Lift speed laden/unladen                  | m/s    | 0.45 / 0.45             |           |
|                                                                                                                                                                                                   | 5.3  | Lowering speed laden/unladen              | m/s    | 0.44 / 0.44             |           |
|                                                                                                                                                                                                   | 5.4  | Reach speed laden/unladen                 | m/s    | 0.35 / 0.35             |           |
|                                                                                                                                                                                                   | 5.10 | Service brake                             |        | regenerative            |           |
|                                                                                                                                                                                                   | 5.11 | Parking brake                             |        | Electric sprung-loaded  |           |
| Electric motor/electronics                                                                                                                                                                        | 6.1  | Drive motor, performance S2 60 min        | kW     | 6.5                     |           |
|                                                                                                                                                                                                   | 6.2  | Lift motor, performance with S3           | kW     | 12                      |           |
|                                                                                                                                                                                                   | 6.3  | Battery according to DIN 43531/35/36      |        | 5 PzS 625               | 6 PzS 750 |
|                                                                                                                                                                                                   | 6.4  | Battery voltage/nominal capacity          | V / Ah | 48 / 625                | 48 / 750  |
|                                                                                                                                                                                                   | 6.5  | Battery weight                            | kg     | 855                     | 1010      |
|                                                                                                                                                                                                   |      |                                           |        |                         |           |
| Other                                                                                                                                                                                             | 8.1  | Type of drive control                     |        | AC drive control system |           |
|                                                                                                                                                                                                   | 10.5 | Steering version                          |        | electric                |           |
|                                                                                                                                                                                                   | 10.7 | Sound pressure level according to EN12053 | dB (A) | 67                      |           |
| - 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.



 **JUNGHEINRICH**