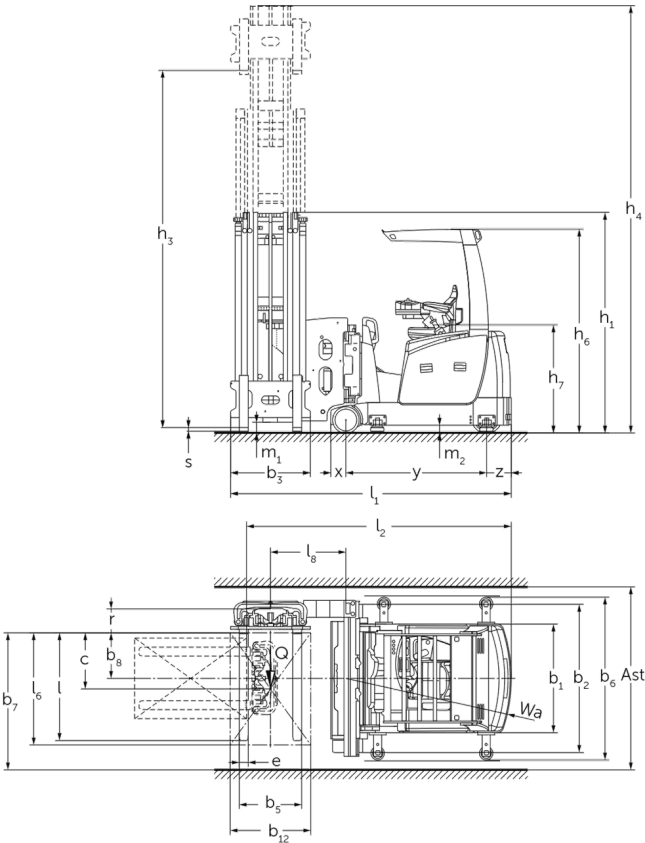




## **Electric front seat / tri-lateral stacker** **EFX 411 / 414**

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                                       |          | 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/suspension system | 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  |           |
| E-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 level as per EN12053, operator's ear | 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  
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ISO 9001  
ISO 14001

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