

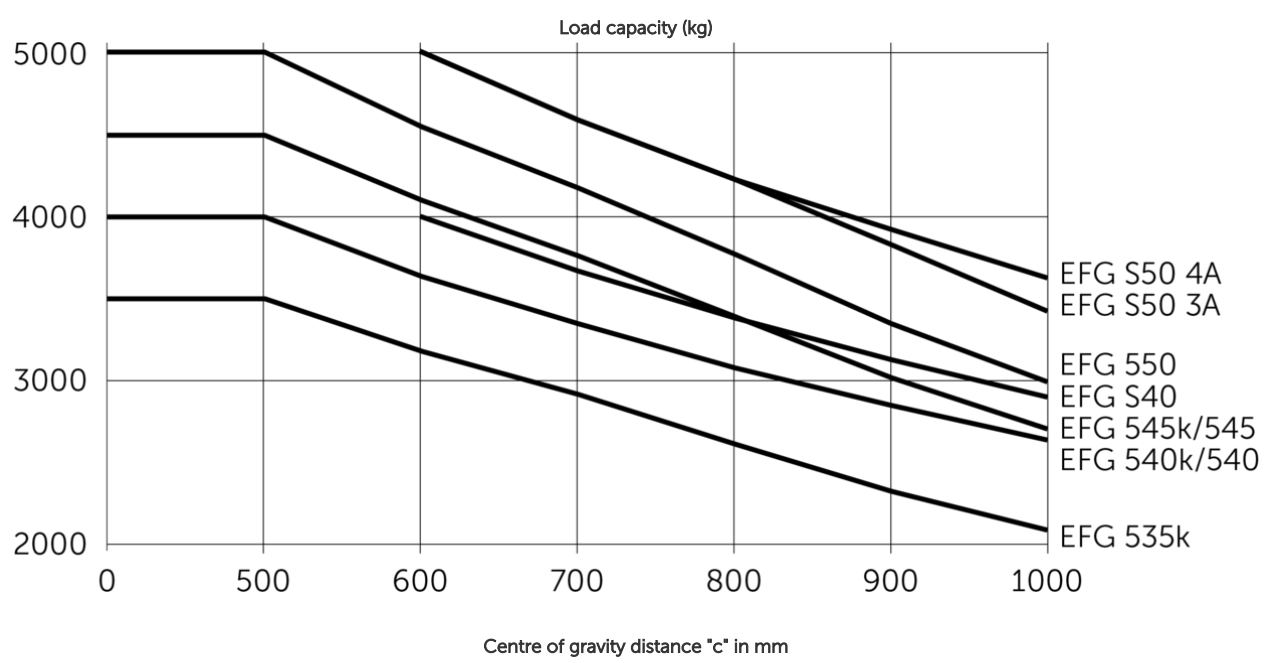


## **Electric four wheel counterbalance forklift truck**

**EFG 535-S50**

Lift height: 2480-7500 mm / Load capacity: 3500-5000 kg

# EFG 535-S50





Technical drawing EFG 5 (2015)

# EFG 535-S50

| EFG 535k                                                              | Lift (h3) | Retracted mast height (h1) | Free lift (h2) | Extended mast height (h4) | Forward/backward tilt of mast |
|-----------------------------------------------------------------------|-----------|----------------------------|----------------|---------------------------|-------------------------------|
| Duplex mast ZT                                                        | 2900 mm   | 2200 mm                    | 150 mm         | 3689 mm                   | 6 / 8 °                       |
|                                                                       | 3100 mm   | 2300 mm                    | 150 mm         | 3889 mm                   | 6 / 8 °                       |
|                                                                       | 3300 mm   | 2400 mm                    | 150 mm         | 4089 mm                   | 6 / 8 °                       |
|                                                                       | 3500 mm   | 2500 mm                    | 150 mm         | 4289 mm                   | 6 / 8 °                       |
|                                                                       | 3700 mm   | 2600 mm                    | 150 mm         | 4489 mm                   | 6 / 8 °                       |
|                                                                       | 4000 mm   | 2750 mm                    | 150 mm         | 4789 mm                   | 6 / 8 °                       |
|                                                                       | 4300 mm   | 2950 mm                    | 150 mm         | 5089 mm                   | 6 / 8 °                       |
|                                                                       | 4500 mm   | 3050 mm                    | 150 mm         | 5289 mm                   | 6 / 8 °                       |
| Duplex mast ZZ                                                        | 3100 mm   | 2265 mm                    | 1496 mm        | 3669 mm                   | 6 / 8 °                       |
|                                                                       | 3300 mm   | 2365 mm                    | 1596 mm        | 3869 mm                   | 6 / 8 °                       |
|                                                                       | 3500 mm   | 2465 mm                    | 1696 mm        | 4069 mm                   | 6 / 8 °                       |
|                                                                       | 3700 mm   | 2565 mm                    | 1796 mm        | 4269 mm                   | 6 / 8 °                       |
|                                                                       | 4000 mm   | 2715 mm                    | 1946 mm        | 4469 mm                   | 6 / 8 °                       |
| Triplex mast DZ                                                       | 4400 mm   | 2165 mm                    | 1396 mm        | 5169 mm                   | 6 / 8 °                       |
|                                                                       | 4700 mm   | 2265 mm                    | 1496 mm        | 5469 mm                   | 6 / 8 °                       |
|                                                                       | 5000 mm   | 2365 mm                    | 1596 mm        | 5769 mm                   | 6 / 8 °                       |
|                                                                       | 5500 mm   | 2565 mm                    | 1796 mm        | 6269 mm                   | 6 / 5 °                       |
|                                                                       | 6000 mm   | 2765 mm                    | 1996 mm        | 6769 mm                   | 6 / 5 °                       |
|                                                                       | 6500 mm   | 2965 mm                    | 2196 mm        | 7269 mm                   | 6 / 5 °                       |
|                                                                       | 7000 mm   | 3165 mm                    | 2396 mm        | 7769 mm                   | 6 / 3 °                       |
|                                                                       | 7500 mm   | 3365 mm                    | 2596 mm        | 8269 mm                   | 6 / 3 °                       |
| EFG 540k, EFG 540, EFG 545k, EFG 545                                  | Lift (h3) | Retracted mast height (h1) | Free lift (h2) | Extended mast height (h4) | Forward/backward tilt of mast |
| Duplex mast ZT / Including 3A fork carriage with 4 rollers (standard) | 2750 mm   | 2165 mm                    | 150 mm         | 3465 mm                   | 6 / 8 °                       |
|                                                                       | 3000 mm   | 2290 mm                    | 150 mm         | 3715 mm                   | 6 / 8 °                       |
|                                                                       | 3100 mm   | 2348 mm                    | 150 mm         | 3823 mm                   | 6 / 8 °                       |
|                                                                       | 3300 mm   | 2440 mm                    | 150 mm         | 4015 mm                   | 6 / 8 °                       |
|                                                                       | 3500 mm   | 2548 mm                    | 150 mm         | 4223 mm                   | 6 / 8 °                       |
|                                                                       | 3700 mm   | 2640 mm                    | 150 mm         | 4415 mm                   | 6 / 8 °                       |

|                                                                               |         |         |         |         |         |
|-------------------------------------------------------------------------------|---------|---------|---------|---------|---------|
|                                                                               | 4000 mm | 2795 mm | 150 mm  | 4720 mm | 6 / 8 ° |
|                                                                               | 4300 mm | 2940 mm | 150 mm  | 5015 mm | 6 / 8 ° |
|                                                                               | 4500 mm | 3040 mm | 150 mm  | 5215 mm | 6 / 8 ° |
|                                                                               | 5000 mm | 3290 mm | 150 mm  | 5715 mm | 6 / 8 ° |
|                                                                               | 5500 mm | 3540 mm | 150 mm  | 6215 mm | 6 / 5 ° |
| Duplex mast ZT / suitable for integrated sideshift 3A with 6 rollers (option) | 2750 mm | 2165 mm | 150 mm  | 3608 mm | 6 / 8 ° |
|                                                                               | 3000 mm | 2290 mm | 150 mm  | 3858 mm | 6 / 8 ° |
|                                                                               | 3100 mm | 2348 mm | 150 mm  | 3958 mm | 6 / 8 ° |
|                                                                               | 3300 mm | 2440 mm | 150 mm  | 4158 mm | 6 / 8 ° |
|                                                                               | 3500 mm | 2548 mm | 150 mm  | 4358 mm | 6 / 8 ° |
|                                                                               | 3700 mm | 2640 mm | 150 mm  | 4558 mm | 6 / 8 ° |
|                                                                               | 4000 mm | 2795 mm | 150 mm  | 4858 mm | 6 / 8 ° |
|                                                                               | 4300 mm | 2940 mm | 150 mm  | 5158 mm | 6 / 8 ° |
|                                                                               | 4500 mm | 3040 mm | 150 mm  | 5358 mm | 6 / 8 ° |
|                                                                               | 5000 mm | 3290 mm | 150 mm  | 5858 mm | 6 / 8 ° |
|                                                                               | 5500 mm | 3540 mm | 150 mm  | 6358 mm | 6 / 5 ° |
|                                                                               | 6500 mm | 4040 mm | 150 mm  | 7358 mm | 6 / 5 ° |
|                                                                               |         |         |         |         |         |
| Duplex mast ZZ / Including 3A fork carriage with 4 rollers (standard)         | 2775 mm | 2140 mm | 1382 mm | 3533 mm | 6 / 8 ° |
|                                                                               | 3142 mm | 2323 mm | 1565 mm | 3900 mm | 6 / 8 ° |
|                                                                               | 3342 mm | 2423 mm | 1665 mm | 4100 mm | 6 / 8 ° |
|                                                                               | 3542 mm | 2523 mm | 1765 mm | 4300 mm | 6 / 8 ° |
|                                                                               | 3675 mm | 2590 mm | 1832 mm | 4433 mm | 6 / 8 ° |
|                                                                               | 4035 mm | 2770 mm | 2012 mm | 4793 mm | 6 / 8 ° |
|                                                                               | 4395 mm | 2950 mm | 2192 mm | 5153 mm | 6 / 8 ° |
|                                                                               | 5095 mm | 3300 mm | 2542 mm | 5853 mm | 6 / 8 ° |
|                                                                               | 5524 mm | 3515 mm | 2757 mm | 6282 mm | 6 / 5 ° |
|                                                                               |         |         |         |         |         |
| Duplex mast ZZ / suitable for integrated sideshift 3A with 6 rollers (option) | 2775 mm | 2140 mm | 1332 mm | 3683 mm | 6 / 8 ° |
|                                                                               | 3142 mm | 2323 mm | 1415 mm | 4050 mm | 6 / 8 ° |
|                                                                               | 3342 mm | 2423 mm | 1515 mm | 4250 mm | 6 / 8 ° |
|                                                                               | 3542 mm | 2523 mm | 1615 mm | 4450 mm | 6 / 8 ° |
|                                                                               | 3675 mm | 2590 mm | 1682 mm | 4583 mm | 6 / 8 ° |
|                                                                               | 4035 mm | 2770 mm | 1862 mm | 4943 mm | 6 / 8 ° |
|                                                                               | 4395 mm | 2950 mm | 2042 mm | 5303 mm | 6 / 8 ° |
|                                                                               |         |         |         |         |         |

|                                                                                                                                      |           |                            |                |                           |                               |
|--------------------------------------------------------------------------------------------------------------------------------------|-----------|----------------------------|----------------|---------------------------|-------------------------------|
|                                                                                                                                      | 5095 mm   | 3300 mm                    | 2392 mm        | 6003 mm                   | 6 / 8 °                       |
|                                                                                                                                      | 5524 mm   | 3515 mm                    | 2607 mm        | 6432 mm                   | 6 / 5 °                       |
| Triplex mast DZ / Including 3A fork carriage with 4 rollers (standard)                                                               | 4150 mm   | 2140 mm                    | 1382 mm        | 4908 mm                   | 6 / 8 °                       |
|                                                                                                                                      | 4400 mm   | 2223 mm                    | 1465 mm        | 5158 mm                   | 6 / 8 °                       |
|                                                                                                                                      | 4700 mm   | 2323 mm                    | 1565 mm        | 5458 mm                   | 6 / 8 °                       |
|                                                                                                                                      | 4850 mm   | 2373 mm                    | 1615 mm        | 5608 mm                   | 6 / 8 °                       |
|                                                                                                                                      | 5000 mm   | 2423 mm                    | 1665 mm        | 5758 mm                   | 6 / 5 °                       |
|                                                                                                                                      | 5300 mm   | 2523 mm                    | 1765 mm        | 6058 mm                   | 6 / 5 °                       |
|                                                                                                                                      | 5500 mm   | 2590 mm                    | 1832 mm        | 6258 mm                   | 6 / 5 °                       |
|                                                                                                                                      | 6000 mm   | 2770 mm                    | 2012 mm        | 6758 mm                   | 6 / 5 °                       |
|                                                                                                                                      | 6500 mm   | 2950 mm                    | 2170 mm        | 7280 mm                   | 6 / 3 °                       |
|                                                                                                                                      | 7000 mm   | 3120 mm                    | 2350 mm        | 7770 mm                   | 6 / 3 °                       |
|                                                                                                                                      | 7500 mm   | 3300 mm                    | 2490 mm        | 8310 mm                   | 6 / 3 °                       |
| Triplex mast DZ / suitable for integrated sideshift 3A with 6 rollers (option)                                                       | 4150 mm   | 2140 mm                    | 1232 mm        | 5058 mm                   | 6 / 8 °                       |
|                                                                                                                                      | 4400 mm   | 2223 mm                    | 1315 mm        | 5308 mm                   | 6 / 8 °                       |
|                                                                                                                                      | 4700 mm   | 2323 mm                    | 1415 mm        | 5608 mm                   | 6 / 8 °                       |
|                                                                                                                                      | 4850 mm   | 2373 mm                    | 1465 mm        | 5758 mm                   | 6 / 8 °                       |
|                                                                                                                                      | 5000 mm   | 2423 mm                    | 1515 mm        | 5908 mm                   | 6 / 5 °                       |
|                                                                                                                                      | 5300 mm   | 2523 mm                    | 1765 mm        | 6058 mm                   | 6 / 5 °                       |
|                                                                                                                                      | 5500 mm   | 2590 mm                    | 1682 mm        | 6408 mm                   | 6 / 5 °                       |
|                                                                                                                                      | 6000 mm   | 2770 mm                    | 1862 mm        | 6908 mm                   | 6 / 5 °                       |
|                                                                                                                                      | 6500 mm   | 2950 mm                    | 2042 mm        | 7408 mm                   | 6 / 3 °                       |
|                                                                                                                                      | 7000 mm   | 3120 mm                    | 2212 mm        | 7908 mm                   | 6 / 3 °                       |
| EFG S40, EFG 550                                                                                                                     | Lift (h3) | Retracted mast height (h1) | Free lift (h2) | Extended mast height (h4) | Forward/backward tilt of mast |
|                                                                                                                                      |           |                            |                |                           |                               |
| Duplex mast ZT / Including 3A fork carriage with 6 rollers (standard) / suitable for integrated sideshift 3A with 6 rollers (option) | 2750 mm   | 2165 mm                    | 150 mm         | 3608 mm                   | 6 / 8 °                       |
|                                                                                                                                      | 3000 mm   | 2290 mm                    | 150 mm         | 3858 mm                   | 6 / 8 °                       |
|                                                                                                                                      | 3100 mm   | 2348 mm                    | 150 mm         | 3958 mm                   | 6 / 8 °                       |
|                                                                                                                                      | 3300 mm   | 2440 mm                    | 150 mm         | 4158 mm                   | 6 / 8 °                       |
|                                                                                                                                      | 3500 mm   | 2548 mm                    | 150 mm         | 4358 mm                   | 6 / 8 °                       |
|                                                                                                                                      | 3700 mm   | 2640 mm                    | 150 mm         | 4558 mm                   | 6 / 8 °                       |

|                                                                                                                                       |           |                            |                |                           |                               |
|---------------------------------------------------------------------------------------------------------------------------------------|-----------|----------------------------|----------------|---------------------------|-------------------------------|
|                                                                                                                                       | 4000 mm   | 2795 mm                    | 150 mm         | 4858 mm                   | 6 / 8 °                       |
|                                                                                                                                       | 4300 mm   | 2940 mm                    | 150 mm         | 5158 mm                   | 6 / 8 °                       |
|                                                                                                                                       | 4500 mm   | 3040 mm                    | 150 mm         | 5358 mm                   | 6 / 8 °                       |
|                                                                                                                                       | 5000 mm   | 3290 mm                    | 150 mm         | 5858 mm                   | 6 / 8 °                       |
|                                                                                                                                       | 5500 mm   | 3540 mm                    | 150 mm         | 6358 mm                   | 6 / 5 °                       |
| Duplex mast ZZ / Including 3A fork carriage with 6 rollers (standard) / suitable for integrated sideshift 3A with 6 rollers (option)  | 2775 mm   | 2140 mm                    | 1382 mm        | 3683 mm                   | 6 / 8 °                       |
|                                                                                                                                       | 3142 mm   | 2323 mm                    | 1415 mm        | 4050 mm                   | 6 / 8 °                       |
|                                                                                                                                       | 3342 mm   | 2423 mm                    | 1515 mm        | 4250 mm                   | 6 / 8 °                       |
|                                                                                                                                       | 3542 mm   | 2523 mm                    | 1615 mm        | 4450 mm                   | 6 / 8 °                       |
|                                                                                                                                       | 3675 mm   | 2590 mm                    | 1682 mm        | 4583 mm                   | 6 / 8 °                       |
|                                                                                                                                       | 4035 mm   | 2770 mm                    | 1862 mm        | 4943 mm                   | 6 / 8 °                       |
|                                                                                                                                       | 4395 mm   | 2950 mm                    | 2042 mm        | 5303 mm                   | 6 / 8 °                       |
|                                                                                                                                       | 5095 mm   | 3300 mm                    | 2392 mm        | 6003 mm                   | 6 / 8 °                       |
|                                                                                                                                       | 5524 mm   | 3515 mm                    | 2607 mm        | 6432 mm                   | 6 / 5 °                       |
|                                                                                                                                       |           |                            |                |                           |                               |
| Triplex mast DZ / Including 3A fork carriage with 6 rollers (standard) / suitable for integrated sideshift 3A with 6 rollers (option) | 4150 mm   | 2140 mm                    | 1232 mm        | 5058 mm                   | 6 / 8 °                       |
|                                                                                                                                       | 4400 mm   | 2223 mm                    | 1315 mm        | 5308 mm                   | 6 / 8 °                       |
|                                                                                                                                       | 4850 mm   | 2373 mm                    | 1465 mm        | 5758 mm                   | 6 / 8 °                       |
|                                                                                                                                       | 5000 mm   | 2423 mm                    | 1515 mm        | 5908 mm                   | 6 / 5 °                       |
|                                                                                                                                       | 5300 mm   | 2523 mm                    | 1615 mm        | 6208 mm                   | 6 / 5 °                       |
|                                                                                                                                       | 5500 mm   | 2590 mm                    | 1682 mm        | 6408 mm                   | 6 / 5 °                       |
|                                                                                                                                       | 6000 mm   | 2770 mm                    | 1862 mm        | 6908 mm                   | 6 / 5 °                       |
|                                                                                                                                       | 6500 mm   | 2950 mm                    | 2042 mm        | 7408 mm                   | 6 / 3 °                       |
|                                                                                                                                       | 7000 mm   | 3120 mm                    | 2212 mm        | 7908 mm                   | 6 / 3 °                       |
|                                                                                                                                       | 7500 mm   | 3300 mm                    | 2392 mm        | 8408 mm                   | 6 / 3 °                       |
| EFG S50                                                                                                                               | Lift (h3) | Retracted mast height (h1) | Free lift (h2) | Extended mast height (h4) | Forward/backward tilt of mast |
|                                                                                                                                       |           |                            |                |                           |                               |
| Duplex mast ZT / Including 4A fork carriage with 6 rollers (standard)                                                                 | 2480 mm   | 2165 mm                    | 150 mm         | 3453 mm                   | 6 / 8 °                       |
|                                                                                                                                       | 2846 mm   | 2348 mm                    | 150 mm         | 3819 mm                   | 6 / 8 °                       |
|                                                                                                                                       | 3030 mm   | 2440 mm                    | 150 mm         | 4003 mm                   | 6 / 8 °                       |
|                                                                                                                                       | 3246 mm   | 2548 mm                    | 150 mm         | 4219 mm                   | 6 / 8 °                       |
|                                                                                                                                       | 3430 mm   | 2640 mm                    | 150 mm         | 4403 mm                   | 6 / 8 °                       |
|                                                                                                                                       | 3740 mm   | 2795 mm                    | 150 mm         | 4713 mm                   | 6 / 8 °                       |

|                                                                                                                                       |         |         |         |         |         |
|---------------------------------------------------------------------------------------------------------------------------------------|---------|---------|---------|---------|---------|
|                                                                                                                                       | 4030 mm | 2940 mm | 150 mm  | 5003 mm | 6 / 8 ° |
|                                                                                                                                       | 4230 mm | 3040 mm | 150 mm  | 5203 mm | 6 / 8 ° |
|                                                                                                                                       | 4730 mm | 3290 mm | 150 mm  | 5703 mm | 6 / 8 ° |
|                                                                                                                                       | 5230 mm | 3540 mm | 150 mm  | 6203 mm | 6 / 5 ° |
| Duplex mast ZT / Suitable for 3A fork carriage with 6 rollers (option) / suitable for integrated sideshift 4A with 6 rollers (option) | 2750 mm | 2165 mm | 150 mm  | 3608 mm | 6 / 8 ° |
|                                                                                                                                       | 3000 mm | 2290 mm | 150 mm  | 3858 mm | 6 / 8 ° |
|                                                                                                                                       | 3100 mm | 2348 mm | 150 mm  | 3958 mm | 6 / 8 ° |
|                                                                                                                                       | 3300 mm | 2440 mm | 150 mm  | 4158 mm | 6 / 8 ° |
|                                                                                                                                       | 3500 mm | 2548 mm | 150 mm  | 4358 mm | 6 / 8 ° |
|                                                                                                                                       | 3700 mm | 2640 mm | 150 mm  | 4558 mm | 6 / 8 ° |
|                                                                                                                                       | 4000 mm | 2795 mm | 150 mm  | 4858 mm | 6 / 8 ° |
|                                                                                                                                       | 4300 mm | 2940 mm | 150 mm  | 5158 mm | 6 / 8 ° |
|                                                                                                                                       | 4500 mm | 3040 mm | 150 mm  | 5358 mm | 6 / 8 ° |
|                                                                                                                                       | 5000 mm | 3290 mm | 150 mm  | 5858 mm | 6 / 8 ° |
|                                                                                                                                       | 5500 mm | 3540 mm | 150 mm  | 6358 mm | 6 / 5 ° |
| Duplex mast ZZ / Including 4A fork carriage with 6 rollers (standard)                                                                 | 2570 mm | 2140 mm | 1117 mm | 3593 mm | 6 / 8 ° |
|                                                                                                                                       | 2932 mm | 2323 mm | 1300 mm | 3955 mm | 6 / 8 ° |
|                                                                                                                                       | 3132 mm | 2423 mm | 1400 mm | 4155 mm | 6 / 8 ° |
|                                                                                                                                       | 3332 mm | 2523 mm | 1500 mm | 4355 mm | 6 / 8 ° |
|                                                                                                                                       | 3465 mm | 2590 mm | 1567 mm | 4488 mm | 6 / 8 ° |
|                                                                                                                                       | 3825 mm | 2770 mm | 1747 mm | 4848 mm | 6 / 8 ° |
|                                                                                                                                       | 4185 mm | 2950 mm | 1927 mm | 5208 mm | 6 / 8 ° |
|                                                                                                                                       | 4885 mm | 3300 mm | 2277 mm | 5908 mm | 6 / 8 ° |
|                                                                                                                                       | 5314 mm | 3515 mm | 2492 mm | 6337 mm | 6 / 5 ° |
|                                                                                                                                       |         |         |         |         |         |
| Duplex mast ZZ / Suitable for 3A fork carriage with 6 rollers (option) / suitable for integrated sideshift 4A with 6 rollers (option) | 2725 mm | 2140 mm | 1232 mm | 3633 mm | 6 / 8 ° |
|                                                                                                                                       | 3092 mm | 2323 mm | 1415 mm | 4000 mm | 6 / 8 ° |
|                                                                                                                                       | 3292 mm | 2423 mm | 1515 mm | 4200 mm | 6 / 8 ° |
|                                                                                                                                       | 3492 mm | 2523 mm | 1615 mm | 4400 mm | 6 / 8 ° |
|                                                                                                                                       | 3625 mm | 2590 mm | 1682 mm | 4533 mm | 6 / 8 ° |
|                                                                                                                                       | 3985 mm | 2770 mm | 1862 mm | 4893 mm | 6 / 8 ° |
|                                                                                                                                       | 4345 mm | 2950 mm | 2042 mm | 5253 mm | 6 / 8 ° |
|                                                                                                                                       | 5045 mm | 3300 mm | 2392 mm | 5953 mm | 6 / 8 ° |
|                                                                                                                                       |         |         |         |         |         |

|                                                                                                                                        |         |         |         |         |         |
|----------------------------------------------------------------------------------------------------------------------------------------|---------|---------|---------|---------|---------|
|                                                                                                                                        | 5474 mm | 3515 mm | 2607 mm | 6382 mm | 6 / 5 ° |
| Triplex mast DZ / Including 4A fork carriage with 6 rollers (standard)                                                                 | 3875 mm | 2140 mm | 1117 mm | 4898 mm | 6 / 8 ° |
|                                                                                                                                        | 4120 mm | 2223 mm | 1200 mm | 5143 mm | 6 / 8 ° |
|                                                                                                                                        | 4420 mm | 2323 mm | 1300 mm | 5443 mm | 6 / 8 ° |
|                                                                                                                                        | 4720 mm | 2423 mm | 1400 mm | 5743 mm | 6 / 8 ° |
|                                                                                                                                        | 5020 mm | 2523 mm | 1500 mm | 6043 mm | 6 / 5 ° |
|                                                                                                                                        | 5220 mm | 2590 mm | 1567 mm | 6243 mm | 6 / 5 ° |
|                                                                                                                                        | 5750 mm | 2770 mm | 1747 mm | 6773 mm | 6 / 5 ° |
|                                                                                                                                        | 6280 mm | 2950 mm | 1927 mm | 7303 mm | 6 / 5 ° |
|                                                                                                                                        | 6780 mm | 3120 mm | 2097 mm | 7803 mm | 6 / 5 ° |
|                                                                                                                                        | 7320 mm | 3300 mm | 2277 mm | 8343 mm | 6 / 5 ° |
|                                                                                                                                        |         |         |         |         |         |
| Triplex mast DZ / Suitable for 3A fork carriage with 6 rollers (option) / suitable for integrated sideshift 4A with 6 rollers (option) | 4050 mm | 2140 mm | 1232 mm | 4958 mm | 6 / 8 ° |
|                                                                                                                                        | 4300 mm | 2223 mm | 1315 mm | 5208 mm | 6 / 8 ° |
|                                                                                                                                        | 4600 mm | 2323 mm | 1415 mm | 5508 mm | 6 / 8 ° |
|                                                                                                                                        | 4900 mm | 2423 mm | 1515 mm | 5808 mm | 6 / 8 ° |
|                                                                                                                                        | 5200 mm | 2523 mm | 1615 mm | 6108 mm | 6 / 5 ° |
|                                                                                                                                        | 5400 mm | 2590 mm | 1682 mm | 6308 mm | 6 / 5 ° |
|                                                                                                                                        | 5720 mm | 2700 mm | 1792 mm | 6628 mm | 6 / 5 ° |
|                                                                                                                                        | 5930 mm | 2770 mm | 1862 mm | 6838 mm | 6 / 5 ° |
|                                                                                                                                        | 6460 mm | 2950 mm | 2042 mm | 7368 mm | 6 / 5 ° |
|                                                                                                                                        | 6960 mm | 3120 mm | 2212 mm | 7868 mm | 6 / 5 ° |
|                                                                                                                                        | 7500 mm | 3300 mm | 2392 mm | 8408 mm | 6 / 5 ° |

## VDI table

|                  |                                      |                                             |       |     |                    |                 |             |             |               |              |                 |                 |     |
|------------------|--------------------------------------|---------------------------------------------|-------|-----|--------------------|-----------------|-------------|-------------|---------------|--------------|-----------------|-----------------|-----|
| Characteristic   | 1.1                                  | Manufacturer (abbreviated description)      |       |     | Jungheinrich       |                 |             |             |               |              |                 |                 |     |
|                  | 1.2                                  | Manufacturer's type designation             |       |     | EFG 535k           | EFG 540k        | EFG 540     | EFG S40     | EFG 545k      | EFG 545      | EFG 550         | EFG S50         |     |
|                  | 1.3                                  | Drive type                                  |       |     | electric           |                 |             |             |               |              |                 |                 |     |
|                  | 1.4                                  | Operation                                   |       |     | Seat               |                 |             |             |               |              |                 |                 |     |
|                  | 1.5                                  | Load capacity/load                          | Q     | kg  | 3500               | 4000            |             |             | 4500          |              | 4990            | 5000            |     |
|                  | 1.6                                  | Load centre distance                        | c     | mm  | 500                |                 |             | 600         | 500           |              |                 | 600             |     |
|                  | 1.8                                  | Load distance, centre of drive axle to fork | x     | mm  | 519                | 532             |             |             |               |              |                 |                 | 547 |
|                  | 1.9                                  | Wheelbase                                   | y     | mm  | 1856               |                 | 2000        | 2080        | 1856          | 2000         |                 | 2080            |     |
| Weights          | 2.1.1                                | Service weight (incl. battery)              | kg    |     | 5968               | 6711            | 6701        | 7143        | 7153          | 7143         | 7592            | 8036            |     |
|                  | 2.2                                  | Axle load laden front/rear                  | kg    |     | 8521 / 947         | 9752 / 959      | 9726 / 975  | 9992 / 1151 | 10575 / 1078  | 10468 / 1160 | 11434 / 1158    | 11677 / 1359    |     |
|                  | 2.3                                  | Axle load unladen front/rear                | kg    |     | 3097 / 2871        | 3536 / 3175     | 3706 / 2995 | 3858 / 3285 | 3626 / 3527   | 3744 / 3399  | 3836 / 3756     | 3932 / 4104     |     |
| Wheels/chassis   | 3.1                                  | Tyres                                       |       |     | Super-elastic (SE) |                 |             |             |               |              |                 |                 |     |
|                  | 3.2                                  | Tyre size, front                            |       |     | 250-15             |                 |             | 28x12,5-15  | 28 x 12, 5-15 |              |                 |                 |     |
|                  | 3.3                                  | Tyre size, rear                             |       |     | 21 x 8-9           |                 |             | 23x10-12    | 21 x 8-9      |              |                 | 23x10-12        |     |
|                  | 3.5                                  | Wheels, number front/back (x=driven)        |       |     | 2x/2               |                 |             |             |               |              |                 |                 |     |
|                  | 3.6                                  | Tread width, front                          | b10   | mm  | 1115               |                 |             | 1155        |               |              |                 |                 |     |
|                  | 3.7                                  | Tread width, rear                           | b11   | mm  | 950                |                 |             | 1200        | 950           |              |                 | 1200            |     |
| Basic dimensions | 4.1                                  | Forward/backward tilt of mast               | a/β   | °   | 6 / 8              |                 |             |             |               |              |                 |                 |     |
|                  | 4.2                                  | Retracted mast height (h1)                  | h1    | mm  | 2300               | 2290            |             |             |               |              |                 | 2440            |     |
|                  | 4.3                                  | Free lift (h2)                              | h2    | mm  | 150                |                 |             |             |               |              |                 |                 |     |
|                  | 4.4                                  | Lift (h3)                                   | h3    | mm  | 3100               | 3000            |             |             |               |              |                 | 3030            |     |
|                  | 4.5                                  | Extended mast height (h4)                   | h4    | mm  | 3889               | 3715            |             | 3858        | 3715          |              | 3858            | 4003            |     |
|                  | 4.7                                  | Height of overhead guard (cab)              | h6    | mm  | 2365               |                 |             | 2350        |               |              |                 |                 |     |
|                  | 4.8                                  | Seat height/stand height                    | h7    | mm  | 1313               |                 |             | 1303        |               |              |                 |                 |     |
|                  | 4.12                                 | Coupling height                             | h10   | mm  | 396                |                 |             |             |               |              |                 |                 |     |
|                  | 4.12.1                               | 2. Coupling height                          |       | mm  | 566                |                 |             |             |               |              |                 |                 |     |
|                  | 4.19                                 | Total length                                | l1    | mm  | 3805               | 3818            | 3962        | 4102        | 3818          | 3962         |                 | 4102            |     |
|                  | 4.20                                 | Length including fork shank                 | l2    | mm  | 2655               | 2668            | 2812        | 2952        | 2668          | 2812         |                 | 2952            |     |
|                  | 4.21.1                               | total width                                 | b1    | mm  | 1340               |                 |             | 1450        |               |              |                 |                 |     |
|                  | 4.22                                 | Fork dimensions                             | s/e/l | mm  | 45 x 125 x 1150    | 50 x 125 x 1150 |             |             |               |              | 50 x 150 x 1150 | 60 x 150 x 1150 |     |
|                  | 4.23                                 | Fork carriage connection class              |       |     | 3A                 |                 |             |             |               |              |                 |                 | 4A  |
|                  | 4.24                                 | Fork carriage width                         | b3    | mm  | 1120               | 1260            |             |             |               |              |                 |                 |     |
|                  | 4.31                                 | Ground clearance laden under mast           | m1    | mm  | 143                | 179             |             | 166         |               |              |                 |                 |     |
| 4.32             | Ground clearance centre of wheelbase | m2                                          | mm    | 150 |                    |                 |             |             |               |              |                 |                 |     |

|                  |                                                               |                                                              |                                                             |           |                                        |                               |                       |                               |                           |                           |                           |                           |             |
|------------------|---------------------------------------------------------------|--------------------------------------------------------------|-------------------------------------------------------------|-----------|----------------------------------------|-------------------------------|-----------------------|-------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|-------------|
|                  | 4.34.1                                                        | Aisle width (pallet 1000x1200 sideways)                      | Ast                                                         | mm        | 4003                                   | 4092                          | 4222                  | 4412                          | 4092                      | 4222                      | 4427                      |                           |             |
|                  | 4.34.2                                                        | Aisle width (pallet 800x1200 length)                         | Ast                                                         | mm        | 4203                                   | 4292                          | 4422                  | 4612                          | 4292                      | 4422                      | 4627                      |                           |             |
|                  | 4.35                                                          | Turning radius                                               | Wa                                                          | mm        | 2284                                   | 2360                          | 2490                  | 2680                          | 2360                      | 2490                      | 2680                      |                           |             |
|                  | 4.36                                                          | Smallest pivot point distance                                | b13                                                         | mm        | 660                                    |                               | 721                   | 673                           | 660                       | 721                       | 673                       |                           |             |
| Performance data | 5.1                                                           | Travel speed laden/unladen (Efficiency   drivePLUS)          | km/h                                                        |           | 14 / 17   16 / 16                      | 13 / 16   16 / 16             |                       |                               | 13 / 16   15 / 16         | 13 / 16   16 / 16         | 12 / 15   15 / 16         |                           |             |
|                  | 5.2                                                           | Lift speed laden/unladen (Efficiency   liftPLUS)             | m/s                                                         |           | 0.36 / 0.5   0.42 / 0.55               | 0.28 / 0.37   0.33 / 0.44     |                       |                               |                           |                           |                           |                           |             |
|                  | 5.3                                                           | Lowering speed laden/unladen (Efficiency   liftPLUS)         | m/s                                                         |           | 0.56 / 0.56   0.56 / 0.56              | 0.55 / 0.5   0.55 / 0.5       |                       |                               |                           |                           |                           |                           |             |
|                  | 5.5                                                           | Drawbar pull laden/unladen (Efficiency   drivePLUS)          | N                                                           |           | 5300 / 5800   5300 / 5800              | 5100 / 5600   5100 / 5600     |                       | 4900 / 5500   4900 / 5500     |                           | 4800 / 5400   4800 / 5400 | 4700 / 5300   4700 / 5300 |                           |             |
|                  | 5.6                                                           | Max. drawbar pull laden/unladen (Efficiency   drivePLUS)     | N                                                           |           | 17100 / 17100   17100 / 17100          | 17700 / 17700   17700 / 17700 |                       | 18200 / 18200   18200 / 18200 |                           |                           |                           |                           |             |
|                  | 5.7                                                           | Gradeability laden/unladen (Efficiency   drivePLUS)          | %                                                           |           | 10.2 / 16.7   11.5 / 19                | 9.3 / 15.4   10.8 / 17.7      |                       | 8.1 / 13.5   9.4 / 15.8       |                           | 7.5 / 13.5   8.8 / 15.8   | 7.1 / 12.7   8.4 / 15     |                           |             |
|                  | 5.8                                                           | Max. gradeability laden/unladen (Efficiency   drivePLUS)     | %                                                           |           | 18.3 / 29   19.1 / 31.1                | 17 / 26.9   17.2 / 28.6       | 17 / 27   17.3 / 28.6 | 16.5 / 25.7   16.6 / 27.1     | 15.9 / 25.7   15.8 / 27.1 | 16 / 25.7   15.9 / 27.1   | 14.9 / 24.5   14.4 / 25.6 | 14.4 / 23.2   13.7 / 24.1 |             |
|                  | 5.9                                                           | Acceleration time laden/unladen (Efficiency   drivePLUS)     | s                                                           |           | 7.7 / 7   7 / 6.7                      | 8 / 7.2   7 / 6.7             |                       | 8.1 / 7.3   7.1 / 6.8         |                           | 8.2 / 7.3   7.1 / 6.8     |                           | 8.4 / 7.4   7.2 / 6.8     |             |
|                  | 5.10                                                          | Service brake                                                |                                                             |           | Friction brake (mechanically operated) |                               |                       |                               |                           |                           |                           |                           |             |
|                  | Electric motor/electronics                                    | 6.1                                                          | Drive motor, performance S2 60 min (Efficiency   drivePLUS) | kW        |                                        | 14.5   18                     |                       |                               |                           |                           |                           |                           |             |
| 6.2              |                                                               | Lift motor, performance with S3 (Efficiency   liftPLUS)      | kW                                                          |           | 20   24                                |                               |                       |                               |                           |                           |                           |                           |             |
| 6.3              |                                                               | Battery according to DIN 43531/35/36                         |                                                             |           | DIN 43536 A                            |                               |                       |                               |                           |                           |                           |                           |             |
| 6.4              |                                                               | Battery voltage/nominal capacity                             | V / Ah                                                      |           | 80 / 775                               |                               | 80 / 930              |                               | 80 / 775                  | 80 / 930                  |                           |                           |             |
| 6.5              |                                                               | Battery weight                                               | kg                                                          |           | 1863                                   |                               | 2178                  |                               | 1863                      | 2178                      |                           |                           |             |
| 6.6.1            |                                                               | Energy consumption according to EN cycle (Efficiency   PLUS) | kWh/h                                                       |           | 6.6   6.6                              |                               | 7   7.1               |                               | 7.2   7.3                 |                           | 7.6   7.8                 | 8   8                     | 8.1   8.1   |
| 6.6.2            |                                                               | CO2 equivalent as per EN 16796 (Efficiency   PLUS)           | kg/h                                                        |           | 3.6   3.6                              |                               | 3.8   3.8             |                               | 3.9   3.9                 |                           | 4.1   4.2                 | 4.3   4.3                 | 4.4   4.4   |
| 6.7              |                                                               | Throughput (Efficiency   PLUS)                               | t/h                                                         |           | 205   218                              |                               | 232   242             |                               | 227   238                 |                           | 247   259                 | 264   284                 | 266   290   |
| 6.8              | Turnover efficiency according to VDI 2198 (Efficiency   PLUS) | t/kWh                                                        |                                                             | 22.6   22 |                                        | 24.7   23.3                   |                       | 23.2   22.2                   |                           | 26.3   24                 |                           | 26.9   26.1               | 26.6   26.2 |
| 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                                                       |           | 30                                     |                               |                       |                               |                           |                           |                           |                           |             |
|                  | 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.

- 6.6.1: 45 EN cycles/h
- VDI no. 6.7: PLUS refers to the drive&liftPLUS performance package
- VDI no. 6.8.1: PLUS refers to the drive&liftPLUS performance package

The German production facilities in  
Norderstedt, Moosburg and Landsberg  
are certified as well as our Genuine Parts  
Center in Kaltenkirchen.

 **JUNGHEINRICH**