

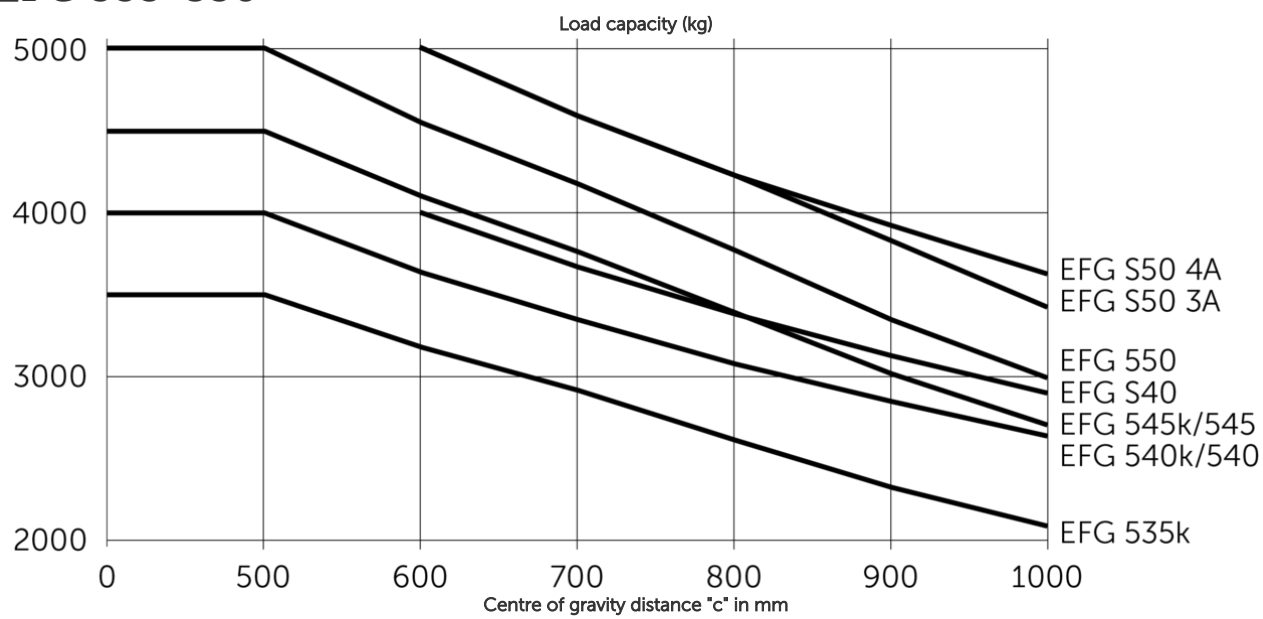


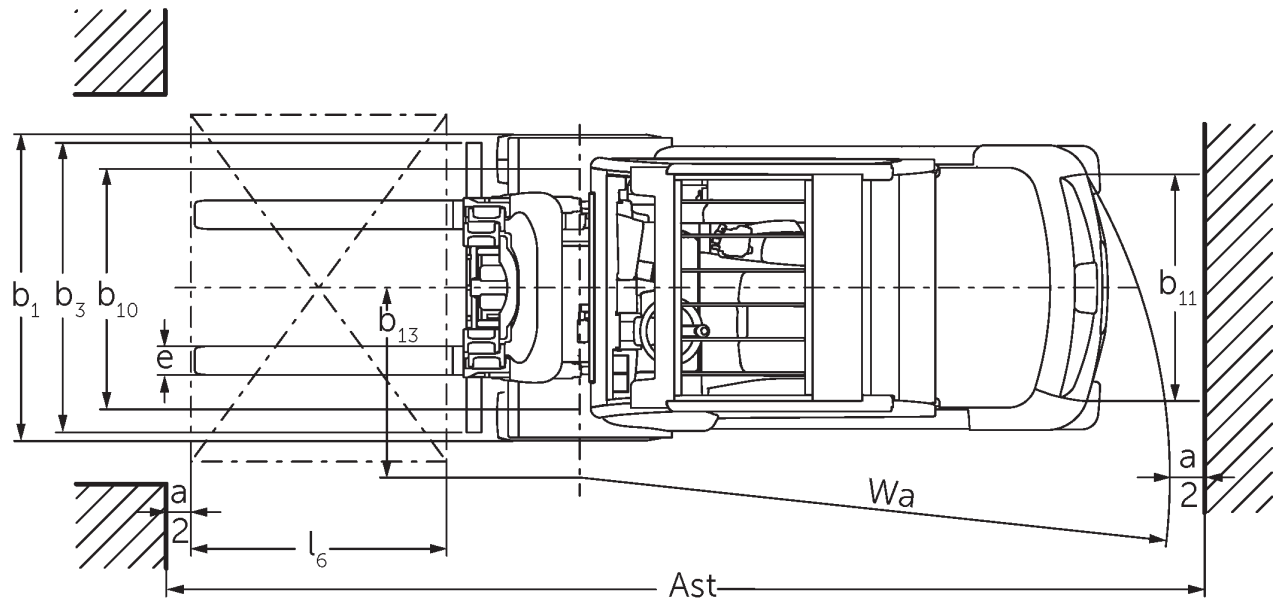
## **Electric four wheel counterbalance forklift truck**

**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            |
| 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                                                |                                                             |           | Reibbremse (mechanisch betätigt) |                               |                       |                               |                           |                           |                           |                           |             |
|                  | 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.

ISO 9001  
ISO 14001

Jungheinrich fork lift trucks meet  
European safety requirements.



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