Technical sheet:

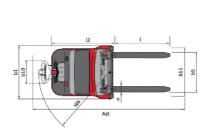
## ES-C 504

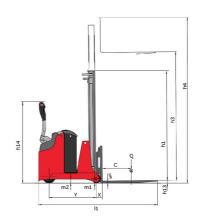




|       |   | ES-C 504 GR | ateu off August 12, 2025 at 2.41 PM 016 |
|-------|---|-------------|---|
|       | Technical characteristics                               |             | Metric                                  |
| 1.1   | Manufacturer  |             | Manitou                                 |
| 1.2   | Model Name  |             | ES-C 504                                |
| 1.3   | Power source  |             | Electrical                              |
| 1.4   | Operator type   |             | Pedestrian                              |
| 1.5   | Max. capacity   | Q           | 400 kg                                  |
| 1.6   | Load center of gravity                                  | С           | 400 mm                                  |
| 1.8   | Distance from Load backrest to center of rear axle      | х           | 96 mm                                   |
| 1.9   | Wheelbase   | у           | 817 mm                                  |
|       | Weight  |             |   |
| 2.1   | Service weight  |             | 1120 kg                                 |
|       | Wheels  |             |   |
| 3.1   | Tires type  |             | Polyurethane                            |
| 3.3   | Number of load wheels / Size of load wheels             |             | 2 / 150x70                              |
| 3.5   | Number of front wheels / rear wheels                    |             | 1/2                                     |
| 3.5.2 | Number of drive wheels / Size of drive wheels           |             | 1/230x70                                |
| 3.7   | Rear wheel gauge  | b11         | 826 mm                                  |
|       | Dimensions  |             |   |
| 4.15  | Fork height in low position                             | h13         | 35 mm                                   |
| 4.19  | Overall length  | I1          | 1900 mm                                 |
| 4.20  | Length to face of forks                                 | 12          | 1100 mm                                 |
| 4.21  | Overall width   | b1          | 923 mm                                  |
| 4.22  | Forks section / width / length                          | s / e / l   | 30 mm / 100 mm / 800 mm                 |
| 4.23  | Fork carriage ISO 2328 (class/form) A/B                 |             | 2B                                      |
| 4.24  | Fork carriage width                                     | b3          | 750 mm                                  |
| 4.31  | Ground clearance below mast                             | m1          | 60 mm                                   |
| 4.32  | Ground clearance at centre of wheelbase                 | m2          | 69 mm                                   |
| 4.33  | Aisle Width for pallets 1000 x 1200 crossways           | Ast         | 2595 mm                                 |
| 4.34  | Aisle width for 800 x 1200 pallet lengthways            | Ast         | 2705 mm                                 |
| 4.35  | Turning radius  | Wa          | 1130 mm                                 |
| 4.9   | Height tiller min. / max.                               | h14 / h14   | 830 mm / 1385 mm                        |
|       | Performances  |             |   |
| 5.1   | Travel speed (laden / unladen)                          |             | 6 km/h / 6 km/h                         |
| 5.2   | Lifting speed (laden / unladen)                         |             | 0.18 m/s / 0.30 m/s                     |
| 5.3   | Lowering speed (laden / unladen)                        |             | 0.27 m/s / 0.22 m/s                     |
| 5.8   | Max Gradeability (laden / unladen)                      |             | 7 % / 10 %                              |
| 5.10  | Service brake   |             | Electro magnetic                        |
|       | Engine  |             |   |
| 6.1   | Drive motor rating S2 60 min                            |             | 1.50 kW                                 |
| 6.2   | Lift motor rating at S3 15%                             |             | 3 kW                                    |
| 6.3   | Battery according to DIN 43531/35/36 A, B, C            |             | DIN 43535-B                             |
| 6.4   | Battery voltage / capacity                              |             | 24 V / 180 Ah                           |
| 6.5   | Battery weight (+/- 5%)                                 |             | 175 kg                                  |
|       | Miscellaneous   |             |   |
| 8.1   | Type of drive control                                   |             | AC                                      |
| 8.4   | Sound level at the driver's ear according to DIN 12 053 |             | 65 dB                                   |

## ES-C 504 - Dimensional drawing





## Characteristics of masts and residual capacities

| Central Cylinder Simplex (CCS)        |    | CCS 15 | CCS 17 |
|---------------------------------------|----|--------|--------|
| α - Mast/fork carriage tilt, forward  | ۰  | 4      | 4      |
| β - Mast/fork carriage tilt, backward | ۰  | 6      | 6      |
| h1 - Mast lowered height              | mm | 1931   | 2181   |
| h2 - Mast free lift                   | mm | 1420   | 1670   |
| h3 - Mast lifting height              | mm | 1420   | 1670   |
| h4 - Mast extended height             | mm | 2070   | 2320   |
| Residual capacity at max height       | kg | 400    | 400    |

| Full Visibility Duplex (FVD)          |    | FVD 29 | FVD 34 | FVD 38 |
|---------------------------------------|----|--------|--------|--------|
| α - Mast/fork carriage tilt, forward  | ٠  | 4      | 4      | 4      |
| β - Mast/fork carriage tilt, backward | ۰  | 6      | 6      | 6      |
| h1 - Mast lowered height              | mm | 1931   | 2181   | 2381   |
| h3 - Mast lifting height              | mm | 2850   | 3350   | 3750   |
| h4 - Mast extended height             | mm | 3500   | 4000   | 4400   |
| Residual capacity at max height       | kg | 400    | 400    | 300    |

| Free Lift Duplex (FLD)                |    | FLD 29 | FLD 34 |
|---------------------------------------|----|--------|--------|
| α - Mast/fork carriage tilt, forward  | ۰  | 4      | 4      |
| β - Mast/fork carriage tilt, backward | ۰  | 6      | 6      |
| h1 - Mast lowered height              | mm | 1931   | 2181   |
| h2 - Mast free lift                   | mm | 1420   | 1670   |
| h3 - Mast lifting height              | mm | 2850   | 3355   |
| h4 - Mast extended height             | mm | 3500   | 4000   |
| Residual capacity at max height       | kg | 400    | 400    |

| Free Lift Triplex (FLT)               |    | FLT 42 |
|---------------------------------------|----|--------|
| α - Mast/fork carriage tilt, forward  | ٠  | 4      |
| β - Mast/fork carriage tilt, backward | ٠  | 6      |
| h1 - Mast lowered height              | mm | 1956   |
| h2 - Mast free lift                   | mm | 1380   |
| h3 - Mast lifting height              | mm | 4160   |
| h4 - Mast extended height             | mm | 4810   |
| Residual capacity at max height       | kg | 200    |





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