Technical sheet:

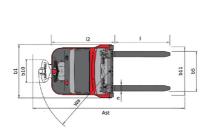
## ES-C 507

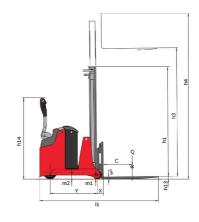




|       |   | ES-C 507 GI | eated on May 6, 2024 at 5.09.51 AM OT |
|-------|---|-------------|---------------------------------------|
|       | Technical characteristics   |             | Metric                                |
| 1.1   | Manufacturer  |             | Manitou                               |
| 1.2   | Model Name  |             | ES 507 GPF - ES-C 507                 |
| 1.3   | Power source  |             | Electrical                            |
| 1.4   | Operator type   |             | Pedestrian                            |
| 1.5   | Max. capacity   | Q           | 700 kg                                |
| 1.6   | Load center of gravity  | C           | 400 mm                                |
| 1.8   | Distance from Load backrest to center of rear axle  | X           | 101 mm                                |
| 1.9   | Wheelbase   | у           | 932 mm                                |
|       | Weight  |             |                                       |
| 2.1   | Service weight  |             | 1250 kg                               |
| 2.2   | Weight on front axle (laden) / rear axle (laden)  |             | 1893 kg / 307 kg                      |
| 2.3   | Weight on front axle (Unladen) / rear axle (Unladen)  |             | 820 kg / 680 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  | 11          | 2013 mm                               |
| 4.20  | Length to face of forks   | 12          | 1213 mm                               |
| 4.21  | Overall width   | b1          | 923 mm                                |
| 4.22  | Forks section / width / length  | s / e / l   | 30 mm / 90 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                                 |
| 4.35  | Turning radius  | Wa          | 1335 mm                               |
| 4.9   | Height tiller min. / max.   | h14 / h14   | 830 mm / 1385 mm                      |
|       | Performances  |             |                                       |
| 5.1   | Travel speed (laden / unladen)  |             | 4.50 km/h / 4.50 km/h                 |
| 5.2   | Lifting speed (laden / unladen)   |             | 0.30 m/s / 0.18 m/s                   |
| 5.3   | Lowering speed (laden / unladen)  |             | 0.22 m/s / 0.27 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%)   |             | 189 kg                                |
| 3.0   | Miscellaneous   |             | .55 .19                               |
| 8.1   | Type of drive control   |             | AC                                    |
| 8.4   | Sound level at the driver's ear according to DIN 12 053   |             | 65 dB                                 |
|       | an according to birt in accord |             | 55 45                                 |

## ES-C 507 - Dimensional drawing





## Characteristics of masts and residual capacities

| Central Cylinder Simplex (CCS)  |    | CCS 15 | CCS 17 |
|---------------------------------|----|--------|--------|
| 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 | 700    | 700    |

| Full Visibility Duplex (FVD)    |    | FVD 29 | FVD 34 | FVD 38 |
|---------------------------------|----|--------|--------|--------|
| 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 | ka | 700    | 700    | 600    |

| Free Lift Duplex (FLD)          |    | FLD 29 | FLD 34 |
|---------------------------------|----|--------|--------|
| 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 | 700    | 700    |

| Free Lift Triplex (FLT)         |    | FLT 42 |
|---------------------------------|----|--------|
| 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 | 500    |





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