

Technical sheet :

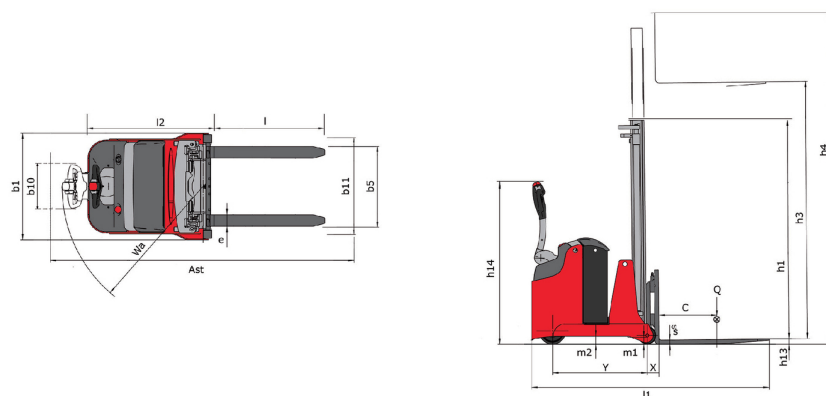
ES-C 507



 **MANITOU**
HANDLING YOUR WORLD

| Technical characteristics | | Metric | | Imperial | |
|---------------------------|---|-----------|------------------------|----------|-----------------------|
| 1.1 | Manufacturer | | Manitou | | Manitou |
| 1.2 | Model Name | | ES 507 GPF - ES-C 507 | | ES 507 GPF - ES-C 507 |
| 1.3 | Power source | | Electrical | | Electrical |
| 1.4 | Operator type | | Pedestrian | | Pedestrian |
| 1.5 | Max. capacity | Q | 700 kg | | 1543 lb |
| 1.6 | Load center of gravity | c | 400 mm | | 16 in |
| 1.8 | Distance from Load backrest to center of rear axle | x | 101 mm | | 4 in |
| 1.9 | Wheelbase | y | 932 mm | | 37 in |
| Weight | | | | | |
| 2.1 | Service weight | | 1250 kg | | 2756 lb |
| 2.2 | Weight on front axle (laden) / rear axle (laden) | | 1893 kg / 307 kg | | 4173 lb / 677 lb |
| 2.3 | Weight on front axle (Unladen) / rear axle (Unladen) | | 820 kg / 680 kg | | 1808 lb / 1499 lb |
| Wheels | | | | | |
| 3.1 | Tires type | | Polyurethane | | Polyurethane |
| 3.3 | Number of load wheels / Size of load wheels | | 2 / 150x70 | | 2 / 150x70 |
| 3.5 | Number of front wheels / rear wheels | | 1 / 2 | | 1 / 2 |
| 3.5.2 | Number of drive wheels / Size of drive wheels | | 1/230x70 | | 1/230x70 |
| 3.7 | Rear wheel gauge | b11 | 826 mm | | 33 in |
| Dimensions | | | | | |
| 4.15 | Fork height in low position | h13 | 35 mm | | 1 in |
| 4.19 | Overall length | l1 | 2013 mm | | 79 in |
| 4.20 | Length to face of forks | l2 | 1213 mm | | 48 in |
| 4.21 | Overall width | b1 | 923 mm | | 36 in |
| 4.22 | Forks section / width / length | s / e / l | 30 mm / 90 mm / 800 mm | | 1 in / 4 in / 31 in |
| 4.23 | Fork carriage ISO 2328 (class/form) A/B | | 2B | | 2B |
| 4.24 | Fork carriage width | b3 | 750 mm | | 30 in |
| 4.31 | Ground clearance below mast | m1 | 60 mm | | 2 in |
| 4.32 | Ground clearance at centre of wheelbase | m2 | 69 mm | | 3 in |
| 4.35 | Turning radius | Wa | 1335 mm | | 53 in |
| 4.9 | Height tiller min. / max. | h14 / h14 | 830 mm / 1385 mm | | 33 in / 55 in |
| Performances | | | | | |
| 5.1 | Travel speed (laden / unladen) | | 4.50 km/h / 4.50 km/h | | 3 mph / 3 mph |
| 5.2 | Lifting speed (laden / unladen) | | 0.30 m/s / 0.18 m/s | | 0.98 ft/s / 0.59 ft/s |
| 5.3 | Lowering speed (laden / unladen) | | 0.22 m/s / 0.27 m/s | | 0.72 ft/s / 0.89 ft/s |
| 5.8 | Max Gradeability (laden / unladen) | | 7 % / 10 % | | 7 % / 10 % |
| 5.10 | Service brake | | Electro magnetic | | Electro magnetic |
| Engine | | | | | |
| 6.1 | Drive motor rating S2 60 min | | 1.50 kW | | 1.50 kW |
| 6.2 | Lift motor rating at S3 15% | | 3 kW | | 3 kW |
| 6.3 | Battery according to DIN 43531/35/36 A, B, C | | DIN 43535-B | | DIN 43535-B |
| 6.4 | Battery voltage / capacity | | 24 V / 180 Ah | | 24 V / 180 Ah |
| 6.5 | Battery weight (+/- 5%) | | 189 kg | | 417 lb |
| Miscellaneous | | | | | |
| 8.1 | Type of drive control | | AC | | AC |
| 8.4 | Sound level at the driver's ear according to DIN 12 053 | | 65 dB | | 65 dB |

ES-C 507 - Dimensional drawing



Characteristics of masts and residual capacities

| Central Cylinder Simplex (CCS) | | CCS 15 | CCS 17 |
|---------------------------------|---------|-------------|-------------|
| h1 - Mast lowered height | in (mm) | 76 (1931) | 85.9 (2181) |
| h2 - Mast free lift | in (mm) | 55.9 (1420) | 65.7 (1670) |
| h3 - Mast lifting height | in (mm) | 55.9 (1420) | 65.7 (1670) |
| h4 - Mast extended height | in (mm) | 81.5 (2070) | 91.3 (2320) |
| Residual capacity at max height | lb (kg) | 1543 (700) | 1543 (700) |

| Full Visibility Duplex (FVD) | | FVD 29 | FVD 34 | FVD 38 |
|---------------------------------|---------|--------------|--------------|--------------|
| h1 - Mast lowered height | in (mm) | 76 (1931) | 85.9 (2181) | 93.7 (2381) |
| h3 - Mast lifting height | in (mm) | 112.2 (2850) | 131.9 (3350) | 147.6 (3750) |
| h4 - Mast extended height | in (mm) | 137.8 (3500) | 157.5 (4000) | 173.2 (4400) |
| Residual capacity at max height | lb (kg) | 1543 (700) | 1543 (700) | 1323 (600) |

| Free Lift Duplex (FLD) | | FLD 29 | FLD 34 |
|---------------------------------|---------|--------------|--------------|
| h1 - Mast lowered height | in (mm) | 76 (1931) | 85.9 (2181) |
| h2 - Mast free lift | in (mm) | 55.9 (1420) | 65.7 (1670) |
| h3 - Mast lifting height | in (mm) | 112.2 (2850) | 132.1 (3355) |
| h4 - Mast extended height | in (mm) | 137.8 (3500) | 157.5 (4000) |
| Residual capacity at max height | lb (kg) | 1543 (700) | 1543 (700) |

| Free Lift Triplex (FLT) | | FLT 42 |
|---------------------------------|---------|--------------|
| h1 - Mast lowered height | in (mm) | 77 (1956) |
| h2 - Mast free lift | in (mm) | 54.3 (1380) |
| h3 - Mast lifting height | in (mm) | 163.8 (4160) |
| h4 - Mast extended height | in (mm) | 189.4 (4810) |
| Residual capacity at max height | lb (kg) | 1102 (500) |



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