Technical sheet:

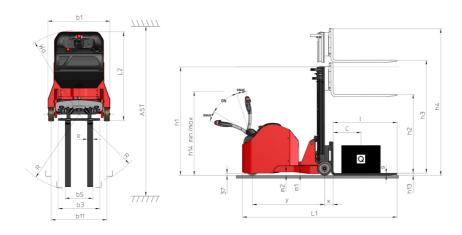
## ES-C 716





|       |   | ES-C 716 U | realed on July 25, 2025 at 9.08 PM UTC |
|-------|---|------------|--|
|       | Technical characteristics                               |            | Metric                                 |
| 1.1   | Manufacturer  |            | Manitou                                |
| 1.2   | Model Name  |            | ES-C 716                               |
| 1.3   | Power source  |            | Electrical                             |
| 1.4   | Operator type   |            | Pedestrian                             |
| 1.5   | Max. capacity   | Q          | 1600 kg                                |
| 1.6   | Load center of gravity                                  | C          | 500 mm                                 |
| 1.8   | Distance from Load backrest to center of rear axle      | Х          | 157 mm                                 |
| 1.9   | Wheelbase   | у          | 1300 mm                                |
|       | Weight  |            |  |
| 2.1   | Service weight  |            | 2400 kg                                |
| 2.2   | Weight on front axle (laden) / rear axle (laden)        |            | 520 kg / 3460 kg                       |
| 2.3   | Weight on front axle (Unladen) / rear axle (Unladen)    |            | 1350 kg / 1050 kg                      |
|       | Wheels  |            |  |
| 3.1   | Tires type  |            | Polyurethane                           |
| 3.3   | Number of load wheels / Size of load wheels             |            | 2 / 250x100                            |
| 3.5   | Number of front wheels / rear wheels                    |            | 1/2                                    |
| 3.5.2 | Number of drive wheels / Size of drive wheels           |            | 1/254x100                              |
| 3.7   | Rear wheel gauge  | b11        | 1003 mm                                |
| 0.7   | Dimensions  | 511        | 1000 11111                             |
| 4.15  | Fork height in low position                             | h13        | 45 mm                                  |
| 4.19  | Overall length  | I1         | 2790 mm                                |
| 4.20  | Length to face of forks                                 | 12         | 1640 mm                                |
| 4.21  | Overall width   | b1         | 1120 mm                                |
| 4.22  | Forks section / width / length                          | s / e / l  | 40 mm / 100 mm / 1150 mm               |
| 4.24  | Fork carriage width                                     | b3         | 750 mm                                 |
| 4.31  | Ground clearance below mast                             | m1         | 31 mm                                  |
| 4.31  | Ground clearance at centre of wheelbase                 | m2         | 62 mm                                  |
| 4.33  | Aisle Width for pallets 1000 x 1200 crossways           | Ast        | 3128 mm                                |
| 4.34  | Aisle width for 800 x 1200 pallet lengthways            | Ast        | 3236 mm                                |
| 4.35  | Tuming radius   | Wa         | 1660 mm                                |
| 4.9   | Height tiller min. / max.                               | h14 / h14  | 1005 mm / 1405 mm                      |
| 4.9   | Performances  | 11147 1114 | 1003 111117 1403 111111                |
| 5.1   | Travel speed (laden / unladen)                          |            | 6 km/h / 6 km/h                        |
| 5.2   | Lifting speed (laden / unladen)                         |            | 0.11 m/s / 0.20 m/s                    |
| 5.3   | - , , ,   |            | 0.22 m/s / 0.21 m/s                    |
| 5.8   | Lowering speed (laden / unladen)                        |            | 5 % / 8 %                              |
| 5.10  | Max Gradeability (laden / unladen) Service brake        |            |  |
| 5.10  |   |            | Electro magnetic                       |
| 6.1   | Engine Drive motor rating \$2 60 min                    |            | 2 kW                                   |
| 6.2   |   |            | 2 kW<br>4 kW                           |
| 6.3   | Lift motor rating at S3 15%                             |            | 4 KW<br>DIN 43535-B                    |
|       | Battery according to DIN 43531/35/36 A, B, C            |            |  |
| 6.4   | Battery voltage / capacity                              |            | 24 V / 315 Ah                          |
| 6.4.1 | Battery max. capacity                                   |            | 315 A                                  |
| 6.5   | Battery weight (+/- 5%)                                 |            | 275 kg                                 |
| 6.5.1 | Battery max. weight                                     |            | 300 kg                                 |
| 0.1   | Miscellaneous   |            | 4.0                                    |
| 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 716 - Dimensional drawing



## Characteristics of masts and residual capacities

| Central Cylinder Duplex (CCD)         |    | CCD 29 | CCD 34 | CCD 38 |
|---------------------------------------|----|--------|--------|--------|
| α - Mast/fork carriage tilt, forward  | ٠  | 4      | 4      | 4      |
| β - Mast/fork carriage tilt, backward | ٠  | 6      | 6      | 6      |
| h1 - Mast lowered height              | mm | 1955   | 2205   | 2405   |
| h2 - Mast free lift                   | mm | 1420   | 1420   | 1420   |
| h3 - Mast lifting height              | mm | 2900   | 3400   | 3800   |
| h4 - Mast extended height             | mm | 3400   | 3960   | 4360   |
| Residual capacity at max height       | kg | 1600   | 1600   | 1250   |

| 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 | 1955    | 2205   |
| h2 - Mast free lift                   | mm | 1420    | 1420   |
| h3 - Mast lifting height              | mm | 1500    | 1700   |
| h4 - Mast extended height             | mm | 2030000 | 2280   |
| Residual capacity at max height       | kg | 1600    | 1600   |

| Free Lift Duplex (FLD)                |    | FLD 29 | FLD 34 |
|---------------------------------------|----|--------|--------|
| α - Mast/fork carriage tilt, forward  | ٠  | 4      | 4      |
| β - Mast/fork carriage tilt, backward | ٠  | 6      | 6      |
| h1 - Mast lowered height              | mm | 1955   | 2205   |
| h2 - Mast free lift                   | mm | 1420   | 1420   |
| h3 - Mast lifting height              | mm | 2900   | 3400   |
| h4 - Mast extended height             | mm | 3460   | 3960   |
| Residual capacity at max height       | kg | 1600   | 1600   |

| Free Lift Triplex (FLT)               |    | FLT 42 | FLT 47 | FLT 54  |
|---------------------------------------|----|--------|--------|---------|
| α - Mast/fork carriage tilt, forward  | ۰  | 4      | 4      | 4       |
| β - Mast/fork carriage tilt, backward | ۰  | 6      | 6      | 6       |
| h1 - Mast lowered height              | mm | 1915   | 2075   | 2315    |
| h2 - Mast free lift                   | mm | 1420   | 1420   | 1420    |
| h3 - Mast lifting height              | mm | 4200   | 4700   | 5400    |
| h4 - Mast extended height             | mm | 4770   | 5250   | 5980000 |
| Residual capacity at max height       | kg | 1050   | 850    | 650     |





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