Technical sheet :



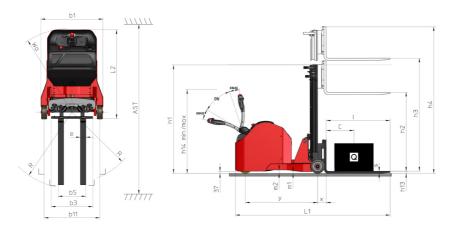




| 11         | Technical characteristics                               |
|------------|---|
| 1.1        | Manufacturer Model Name                                 |
| 1.2<br>1.3 | Model Name  |
|            | Power source  |
| 1.4        | Operator type   |
| 1.5        | Max. capacity   |
| 1.6        | Load center of gravity                                  |
| 1.8        | Distance from Load backrest to center of rear axle      |
| 1.9        | Wheelbase   |
|            | Weight  |
| 2.1        | Service weight  |
| 2.2        | Weight on front axle (laden) / rear axle (laden)        |
| 2.3        | Weight on front axle (Unladen) / rear axle (Unladen)    |
|            | Wheels  |
| 3.1        | Tires type  |
| 3.3        | Number of load wheels / Size of load wheels             |
| 3.5        | Number of front wheels / rear wheels                    |
| 3.5.2      | Number of drive wheels / Size of drive wheels           |
| 3.7        | Rear wheel gauge  |
|            | Dimensions  |
| 4.15       | Fork height in low position                             |
| 4.19       | Overall length  |
| 4.20       | Length to face of forks                                 |
| 4.21       | Overall width   |
| 4.22       | Forks section / width / length                          |
| 4.24       | Fork carriage width                                     |
| 4.31       | Ground clearance below mast                             |
| 4.32       | Ground clearance at centre of wheelbase                 |
| 4.33       | Aisle Width for pallets 1000 x 1200 crossways           |
| 4.34       | Aisle width for 800 x 1200 pallet lengthways            |
| 4.35       | Turning radius  |
| 4.9        | Height tiller min. / max.                               |
|            | Performances  |
| 5.1        | Travel speed (laden / unladen)                          |
| 5.2        | Lifting speed (laden / unladen)                         |
| 5.3        | Lowering speed (laden / unladen)                        |
| 5.8        | Max Gradeability (laden / unladen)                      |
| 5.10       | Service brake   |
|            | Engine  |
| 6.1        | Drive motor rating S2 60 min                            |
| 6.2        | Lift motor rating at S3 15%                             |
| 6.3        | Battery according to DIN 43531/35/36 A, B, C            |
| 6.4        | Battery voltage / capacity                              |
| 6.4.1      | Battery max. capacity                                   |
| 6.5        | Battery weight (+/- 5%)                                 |
| 6.5.1      | Battery weight  |
| 0.0.1      | Miscellaneous   |
| 8.1        | Type of drive control                                   |
| 8.4        |   |
| 0.4        | Sound level at the driver's ear according to DIN 12 053 |

| ES-C 7    | ть Created on August 1, 2025 at 6:04 PM UTC |  |  |  |  |
|-----------|---|--|--|--|--|
|           | Metric                                      |  |  |  |  |
|           | Manitou                                     |  |  |  |  |
|           | ES-C 716                                    |  |  |  |  |
|           | Electrical                                  |  |  |  |  |
|           | Pedestrian                                  |  |  |  |  |
| Q         | 1600 kg                                     |  |  |  |  |
| C         | 500 mm                                      |  |  |  |  |
| х         | 157 mm                                      |  |  |  |  |
| у         | 1300 mm                                     |  |  |  |  |
| -         |   |  |  |  |  |
|           | 2400 kg                                     |  |  |  |  |
|           | 520 kg / 3460 kg                            |  |  |  |  |
|           | 1350 kg / 1050 kg                           |  |  |  |  |
|           |   |  |  |  |  |
|           | Polyurethane                                |  |  |  |  |
|           | 2 / 250x100                                 |  |  |  |  |
|           | 1 / 2                                       |  |  |  |  |
|           | 1/254x100                                   |  |  |  |  |
| b11       | 1003 mm                                     |  |  |  |  |
|           |   |  |  |  |  |
| h13       | 45 mm                                       |  |  |  |  |
| 11        | 2790 mm                                     |  |  |  |  |
| 12        | 1640 mm                                     |  |  |  |  |
| b1        | 1120 mm                                     |  |  |  |  |
| s / e / l | 40 mm / 100 mm / 1150 mm                    |  |  |  |  |
| b3        | 750 mm                                      |  |  |  |  |
| m1        | 31 mm                                       |  |  |  |  |
| m2        | 62 mm                                       |  |  |  |  |
| Ast       | 3128 mm                                     |  |  |  |  |
| Ast       | 3236 mm                                     |  |  |  |  |
| Wa        | 1660 mm                                     |  |  |  |  |
| h14 / h14 | 1005 mm / 1405 mm                           |  |  |  |  |
|           | 6 km/h / 6 km/h                             |  |  |  |  |
|           | 0.11 m/s / 0.20 m/s                         |  |  |  |  |
|           | 0.22 m/s / 0.21 m/s                         |  |  |  |  |
|           | 5 % / 8 %                                   |  |  |  |  |
|           | Electro magnetic                            |  |  |  |  |
|           |   |  |  |  |  |
|           | 2 kW  |  |  |  |  |
|           | 4 kW  |  |  |  |  |
|           | DIN 43535-B                                 |  |  |  |  |
|           | 24 V / 315 Ah                               |  |  |  |  |
|           | 315 A                                       |  |  |  |  |
|           | 275 kg                                      |  |  |  |  |
|           | 300 kg                                      |  |  |  |  |
|           |   |  |  |  |  |
|           | AC  |  |  |  |  |
|           | 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        | ٥  | 4      | 4      | 4      |
| $\beta$ - Mast/fork carriage tilt, backward | ٥  | б      | 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        | ٥  | 4       | 4      |
| $\beta$ - Mast/fork carriage tilt, backward | ٥  | 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 |
|---|----|--------|--------|
| $\alpha$ - Mast/fork carriage tilt, forward | •  | 4      | 4      |
| $\beta$ - Mast/fork carriage tilt, backward | ٥  | 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 °      |    | 4      | 4      | 4       |
| $\beta$ - Mast/fork carriage tilt, backward | ٥  | 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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