Technical sheet :



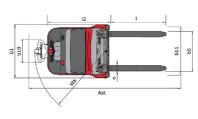


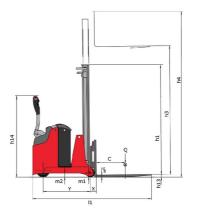


| | Technical characteristics |
|-------|---|
| 1.1 | Manufacturer |
| 1.2 | Model Name |
| 1.3 | Power source |
| 1.4 | Operator type |
| 1.5 | Max. capacity |
| 1.6 | Load center of gravity |
| 1.8 | Distance from Load backrest to center of rear axle |
| 1.9 | Wheelbase |
| | Weight |
| 2.1 | Service weight |
| | 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 |
| 4.19 | Overall length |
| 4.20 | Length to face of forks |
| 4.21 | Overall width |
| 4.22 | Forks section / width / length |
| 4.23 | Fork carriage ISO 2328 (class/form) A/B |
| 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 \$3 15% |
| 6.3 | Battery according to DIN 43531/35/36 A, B, C |
| 6.4 | Battery voltage / capacity |
| 6.5 | Battery weight (+/- 5%) |
| | Miscellaneous |
| 8.1 | Type of drive control |
| 8.4 | Sound level at the driver's ear according to DIN 12 053 |

| ES-C 51 | Created on August 11, 2025 at 8:23 AM UTC |
|-----------|---|
| | Metric |
| | Manitou |
| | ES-C 510 |
| | Electrical |
| | Pedestrian |
| Q | 1000 kg |
| c | 500 mm |
| x | 101 mm |
| y | 1047 mm |
| , | |
| | 1400 kg |
| | |
| | Polyurethane |
| | 2 / 150x70 |
| | 1/2 |
| | 1/230x70 |
| b11 | 826 mm |
| | |
| 1 | 2285 mm |
| 12 | 1335 mm |
| b1 | 923 mm |
| s/e/l | 30 mm / 90 mm / 950 mm |
| | 2B |
| b3 | 750 mm |
| m1 | 60 mm |
| m2 | 69 mm |
| Ast | 2825 mm |
| Ast | 2935 mm |
| Wa | 1360 mm |
| h14 / h14 | 830 mm / 1385 mm |
| | |
| | 6 km/h / 6 km/h |
| | 0.18 m/s / 0.30 m/s |
| | 0.27 m/s / 0.22 m/s |
| | 7 % / 10 % |
| | Electro magnetic |
| | |
| | 1.50 kW |
| | 3 kW |
| | DIN 43535-B |
| | 24 V / 180 Ah |
| | 175 kg |
| | |
| | AC |
| | 65 dB |

ES-C 510 - Dimensional drawing





с 510 Created on August 11, 2025 at 8:23 AM UTC ES

Characteristics of masts and residual capacities

| Central Cylinder Simplex (CCS) | | CCS 15 | CCS 17 |
|---|----|--------|--------|
| α - Mast/fork carriage tilt, forward | ٥ | 4 | 4 |
| β - Mast/fork carriage tilt, backward | ٥ | б | б |
| 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 | 1000 | 1000 |

| Full Visibility Duplex (FVD) | | FVD 29 | FVD 34 | FVD 38 |
|---|----|--------|--------|--------|
| α - Mast/fork carriage tilt, forward | ۰ | 4 | 4 | 4 |
| β - Mast/fork carriage tilt, backward | ٥ | б | б | 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 | 1000 | 1000 | 900 |

| Free Lift Duplex (FLD) | | FLD 29 | FLD 34 |
|---|----|--------|--------|
| a - Mast/fork carriage tilt, forward | ۰ | 4 | 4 |
| β - Mast/fork carriage tilt, backward | ٥ | 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 | 1000 | 1000 |

| Free Lift Triplex (FLT) | | FLT 42 |
|---------------------------------------|----|--------|
| α - Mast/fork carriage tilt, forward | ۰ | 4 |
| β - Mast/fork carriage tilt, backward | ۰ | 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 | 800 |



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