Technical sheet :



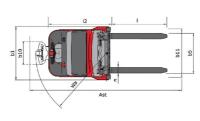


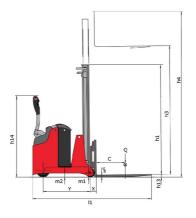


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5.10   Service brake     Engine     6.1   Drive motor rating \$2.60 min
Engine         6.1       Drive motor rating S2 60 min
6.1 Drive motor rating S2 60 min
6.2 Lift motor rating at S3 15%
6.3 Battery according to DIN 43531/35/36 A, B, C
6.4 Battery voltage / capacity
6.5 Battery weight (+/- 5%)
Miscellaneous
8.1 Type of drive control
8.4 Sound level at the driver's ear according to DIN 12 053

<b>ES-C</b> 51	created on August 10, 2025 at 6:08 PM UTC
	Metric
	Manitou
	ES-C 510
	Electrical
	Pedestrian
Q	1000 kg
С	500 mm
х	101 mm
у	1047 mm
	1400 kg
	Polyurethane
	2 / 150x70
	1/2
	1/230x70
b11	826 mm
511	
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
	2.0000 magnetto
	1.50 kW
	3 kW
	DIN 43535-B
	24 V / 180 Ah
	175 kg
	AC
	65 dB

## ES-C 510 - Dimensional drawing





## Characteristics of masts and residual capacities

Central Cylinder Simplex (CCS)		CCS 15	CCS 17
a - Mast/fork carriage tilt, forward	٥	4	4
$\beta$ - 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	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
$\beta$ - 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
$\beta$ - 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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