Technical sheet :



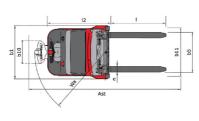


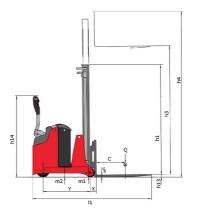


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8.1 Type of drive control	6.5	Battery weight (+/- 5%)		
<i>"</i>		Miscellaneous		
8.4 Sound level at the driver's ear according to DIN 12 053	8.1	Type of drive control		
	8.4	Sound level at the driver's ear according to DIN 12 053		

ES-C 51	• Created on August 1, 2025 at 11:46 PM UTC
	Metric
	Manitou
	ES 510 GPF
	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





ES-C 510 Created on August 1, 2025 at 11:46 PM UTC

Characteristics of masts and residual capacities

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