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
4.35	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
6.5	Battery weight (+/- 5%)
	Miscellaneous
8.1	Type of drive control
8.4	Sound level at the driver's ear according to DIN 12 053

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	Metric
	A.4. 15

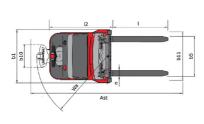
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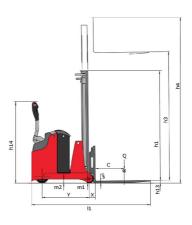
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	Metric
	Manitou
	ES 510 GPF
	Electrical
	Pedestrian
0	
Q	1000 kg
С	500 mm
x	101 mm
У	1047 mm
	1388 kg
	Polyurethane
	2 / 150x70
	1/2
	1/230x70
b11	826 mm
DIT	826 1111
14	0070
11	2278 mm
12	1328 mm
b1	923 mm
s / e / l	35 mm / 100 mm / 800 mm
	2B
b3	750 mm
m1	60 mm
m2	69 mm
Wa	1450 mm
h14 / h14	830 mm / 1385 mm
	4.50 km/h / 4.50 km/h
	0.30 m/s / 0.18 m/s
	0.22 m/s / 0.27 m/s
	7 % / 10 %
	Electro magnetic
	Liectio magnetic
	1.50 kW
	3 kW
	DIN 43535-B
	24 V / 375 Ah
	293 kg
	AC
	65 dB

ES-C 510 - Dimensional drawing





Characteristics of masts and residual capacities

Central Cylinder Simplex (CCS)		CCS 15	CCS 17
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
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
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
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



Head Office B.P. 249 - 430 rue de l'Aubinière 44150 Ancenis Cedex - France Tel: +33 (0)2 40 09 10 11 - Fax: +33 (0)2 40 09 10 97 www.manitou.com



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