Technical sheet :





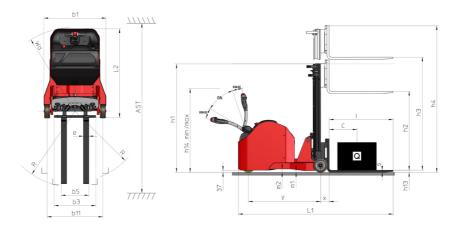


	Technical characteristics	
1.1	Manufacturer	
1.2	Model Name	
1.3	Power source	
1.4	Operator type	
1.5	Max. capacity	Q
1.6	Load center of gravity	c
1.8	Distance from Load backrest to center of rear axle	x
1.9	Wheelbase	у
	Weight	,
2.1	Service weight	
2.2	Weight on front axle (laden) / rear axle (laden)	
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	b11
017	Dimensions	511
4.15	Fork height in low position	h13
4.19	Overall length	11
4.20	Length to face of forks	12
4.21	Overall width	b1
4.22	Forks section / width / length	s / e /
4.24	Fork carriage width	b3
4.31	Ground clearance below mast	m1
4.32	Ground clearance at centre of wheelbase	m2
4.35	Turning radius	Wa
4.9	Height tiller min. / max.	h14 / h1
	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
	Manitou
	ES-C 713
	Electrical
	Pedestrian
Q	1300 kg
С	500 mm
х	157 mm
у	1200 mm
	2200 kg
	450 kg / 3050 kg
	1150 kg / 1050 kg
	Polyurethane
	2 / 250x100
	1/2
	1/254x100
b11	1003 mm
h13	35 mm
11	2690 mm
12	1540 mm
b1	1120 mm
s/e/l	40 mm / 100 mm / 1150 mm 750 mm
b3 m1	31 mm
m2	62 mm
Wa	1560 mm
114 / h14	1405 mm / 1005 mm
114/1114	1403 1111 / 1003 1111
	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
	275 kg
	DC
	65 dB

ES-C 713 - Dimensional drawing



Characteristics of masts and residual capacities

Central Cylinder Simplex (CCS)		CCS 15	CCS 17
h1 - Mast lowered height	mm	1955	2205
h2 - Mast free lift	mm	1465	1715
h3 - Mast lifting height	mm	1465	1715
h4 - Mast extended height	mm	2030	2280
Residual capacity at max height	kg	1300	1300

Full Visibility Duplex (FVD)		FVD 29	FVD 34	FVD 38
Mast/fork carriage tilt, forward	۰	3	3	3
h1 - Mast lowered height	mm	1955	2205	2405
h3 - Mast lifting height	mm	2890	3390	3790
h4 - Mast extended height	mm	3455	3955	4355
Residual capacity at max height	kg	1300	1300	1100

Free Lift Duplex (FLD)		FLD 29	FLD 34
h1 - Mast lowered height	mm	1955	2205
h2 - Mast free lift	mm	1465	1715
h3 - Mast lifting height	mm	2890	3390
h4 - Mast extended height	mm	3455	3955
Residual capacity at max height	kg	1300	1300

Free Lift Triplex (FLT)		FLT 42	FLT 47	FLT 54
h1 - Mast lowered height	mm	1915	2075	2315
h2 - Mast free lift	mm	1425	1585	1835
h3 - Mast lifting height	mm	4205	4685	5415
h4 - Mast extended height	mm	4770	5250	5980
Residual capacity at max height	kg	900	700	500



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