

Technical sheet :

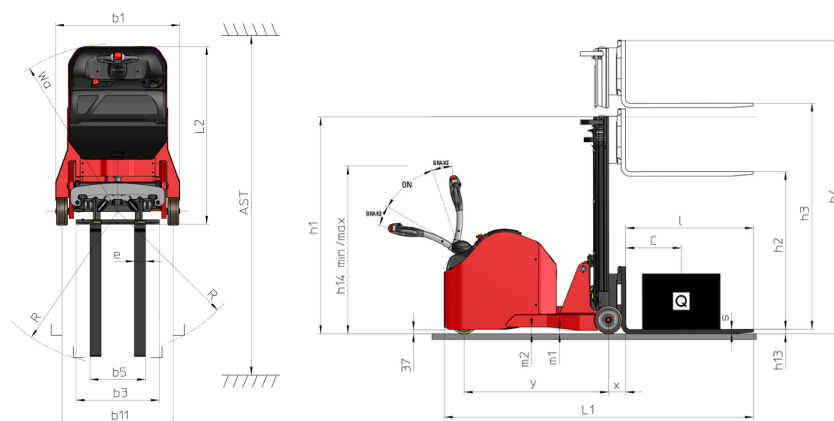
# ES-C 713



 **MANITOU**  
HANDLING YOUR WORLD

	Technical characteristics		Imperial
1.1	Manufacturer		Manitou
1.2	Model Name		ES-C 713
1.3	Power source		Electrical
1.4	Operator type		Pedestrian
1.5	Max. capacity	Q	2866 lb
1.6	Load center of gravity	c	20 in
1.8	Distance from Load backrest to center of rear axle	x	6 in
1.9	Wheelbase	y	47 in
	<b>Weight</b>		
2.1	Service weight		4850 lb
2.2	Weight on front axle (laden) / rear axle (laden)		992 lb / 6724 lb
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		2535 lb / 2315 lb
	<b>Wheels</b>		
3.1	Tires type		Polyurethane
3.3	Number of load wheels / Size of load wheels		2 / 250x100
3.5	Number of front wheels / rear wheels		1 / 2
3.5.2	Number of drive wheels / Size of drive wheels		1/254x100
3.7	Rear wheel gauge	b11	39 in
	<b>Dimensions</b>		
4.15	Fork height in low position	h13	1 in
4.19	Overall length	l1	106 in
4.20	Length to face of forks	l2	61 in
4.21	Overall width	b1	44 in
4.22	Forks section / width / length	s / e / l	2 in / 4 in / 45 in
4.24	Fork carriage width	b3	30 in
4.31	Ground clearance below mast	m1	1 in
4.32	Ground clearance at centre of wheelbase	m2	2 in
4.35	Turning radius	Wa	61 in
4.9	Height tiller min. / max.	h14 / h14	55 in / 40 in
	<b>Performances</b>		
5.1	Travel speed (laden / unladen)		4 mph / 4 mph
5.2	Lifting speed (laden / unladen)		0.36 ft/s / 0.66 ft/s
5.3	Lowering speed (laden / unladen)		0.72 ft/s / 0.69 ft/s
5.8	Max Gradeability (laden / unladen)		5 % / 8 %
5.10	Service brake		Electro magnetic
	<b>Engine</b>		
6.1	Drive motor rating S2 60 min		2 kW
6.2	Lift motor rating at S3 15%		4 kW
6.3	Battery according to DIN 43531/35/36 A, B, C		DIN 43535-B
6.4	Battery voltage / capacity		24 V / 315 Ah
6.5	Battery weight (+/- 5%)		606 lb
	<b>Miscellaneous</b>		
8.1	Type of drive control		DC
8.4	Sound level at the driver's ear according to DIN 12 053		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	in	77	86.8
h2 - Mast free lift	in	57.7	67.5
h3 - Mast lifting height	in	57.7	67.5
h4 - Mast extended height	in	79.9	89.8
Residual capacity at max height	lb	2866	2866

Full Visibility Duplex (FVD)		FVD 29	FVD 34	FVD 38
Mast/fork carriage tilt, forward	°	3	3	3
h1 - Mast lowered height	in	77	86.8	94.7
h3 - Mast lifting height	in	113.8	133.5	149.2
h4 - Mast extended height	in	136	155.7	171.5
Residual capacity at max height	lb	2866	2866	2425

Free Lift Duplex (FLD)		FLD 29	FLD 34
h1 - Mast lowered height	in	77	86.8
h2 - Mast free lift	in	57.7	67.5
h3 - Mast lifting height	in	113.8	133.5
h4 - Mast extended height	in	136	155.7
Residual capacity at max height	lb	2866	2866

Free Lift Triplex (FLT)		FLT 42	FLT 47	FLT 54
h1 - Mast lowered height	in	75.4	81.7	91.1
h2 - Mast free lift	in	56.1	62.4	72.2
h3 - Mast lifting height	in	165.6	184.4	213.2
h4 - Mast extended height	in	187.8	206.7	235.4
Residual capacity at max height	lb	1984	1543	1102



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