

Technical sheet :

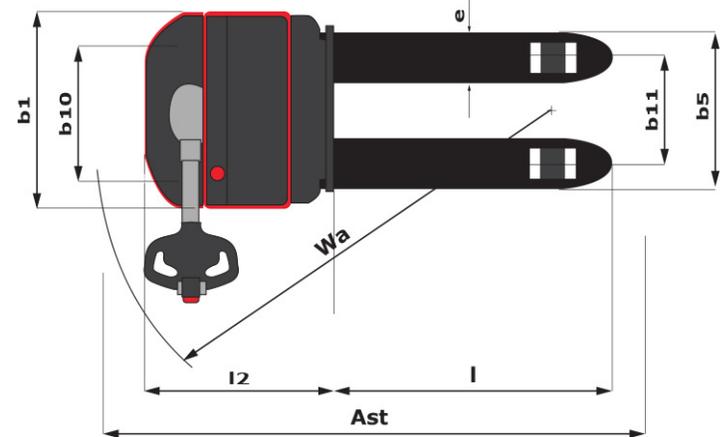
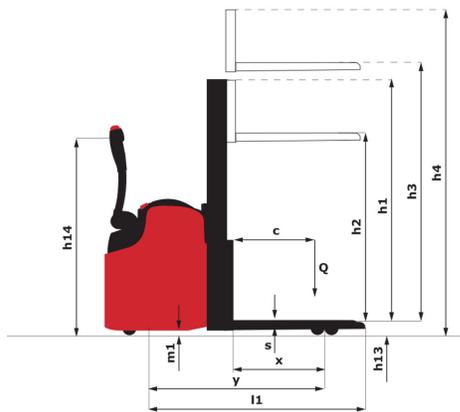
ES 725



Technical characteristics			Metric	Imperial
1.1	Manufacturer		Manitou	Manitou
1.2	Model Name		ES 725	ES 725
1.3	Power source		Battery	Battery
1.4	Operator type		Pedestrian	Pedestrian
1.5	Max. capacity	Q	2500 kg	5512 lbs
1.6	Load centre of gravity	c	600 mm	23.622 in
1.8	Distance from Load backrest to center of rear axle	x	655 mm	25.787 in
1.9	Wheelbase	y	1156 mm	45.512 in
Weight				
2.1	Service Weight		1280 kg	2822 lbs
Wheels				
3.1	Tyres type		Polyurethane	Polyurethane
3.2	Number of drive wheels / Size of drive wheels		1x320x110	1x320x110
3.3	Number of load wheels / Size of load wheels		2 / 78x78	2 / 78x78
3.4	Number of castor wheels		1	1
3.4	Number of stabilizer wheels / Size of the stabilizer wheels		2 / 150x50	2 / 150x50
3.5	Number of front wheels / rear wheels		2 / 4	2 / 4
3.6	Front wheel gauge	b10	844 mm	33.228 in
3.7	Rear wheel gauge	b11	370 mm	14.567 in
Dimensions				
4.2	Height mast Lowered	h1	1885 mm	74.213 in
4.4	Lifting Height	h3	2650 mm	104.331 in
4.5	Height mast extended	h4	3300 mm	129.921 in
4.9	Height tiller up min./max. / max.	h14 / h14	900 mm / 1400 mm	35.433 in / 55.118 in
4.15	Fork height in low position	h13	90 mm	3.543 in
4.19	Overall length	l1	1915 mm	75.394 in
4.20	Length to face of forks	l2	765 mm	30.118 in
4.21	Overall width	b1	974 mm	38.346 in
4.22	Forks section / width / length	s / e / l	70 mm / 210 mm / 1150 mm	2.756 in / 8.268 in / 45.276 in
4.24	Fork carriage width	b3	840 mm	33.071 in
4.31	Ground clearance below mast	m1	30 mm	1.181 in
4.32	Ground clearance at centre of wheelbase	m2	30 mm	1.181 in
4.35	Turning radius	Wa	1472 mm	57.953 in
Performances				
5.1	Travel speed (laden / unladen)		4.9 km/h / 6 km/h	3 mph / 3.7 mph
5.2	Lifting speed (laden / unladen)		0.08 m/s / 0.15 m/s	0.26 ft/s / 0.49 ft/s
5.3	Lowering speed (laden / unladen)		0.15 m/s / 0.11 m/s	0.49 ft/s / 0.36 ft/s
5.8	Max Gradeability (laden / unladen)		4 % / 7 %	4 % / 7 %
5.9	Service brake		Electro magnetic	Electro magnetic
Engine				
6.1	Drive motor rating S2 60 min		1.2 kW	1.2 kW
6.2	Lift motor rating at S3 15%		3 kW	3 kW
6.3	Battery according to DIN 43531/35/36 A, B, C		Traction	Traction

	Engine			
6.4	Battery / Batteries capacity		24 V / 189 Ah	24 V / 189 Ah
6.5	Battery weight (+/- 5%)		190 kg	419 lbs
	Miscellaneous			
8.1	Type of drive control		DC	DC
8.4	Sound level at the driver's ear according to DIN 12 053		65 dB(A)	65 dB(A)

Dimensional drawing



Characteristics of masts and residual capacities

Full Visibility Duplex		FVD 37
h3 - Mast lifting height	mm	2385
h2 - Mast free lift	mm	70
h1 - Mast height lowered	mm	3700
h4 - Mast height extended	mm	3740
Residual capacity at max height	kg	1800



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