

Technical sheet :

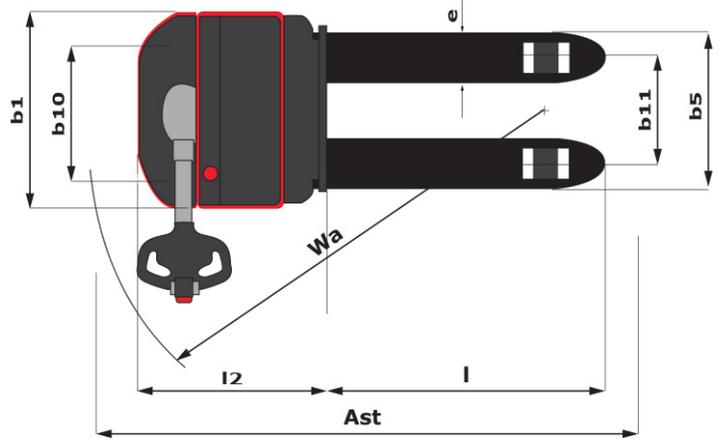
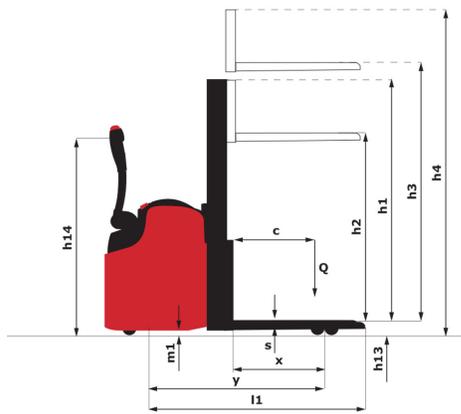
ES 720 FR



Technical characteristics			Metric	Imperial
1.1	Manufacturer		Manitou	Manitou
1.2	Model Name		ES 720 FR	ES 720 FR
1.3	Power source		Battery	Battery
1.4	Operator type		Pedestrian	Pedestrian
1.5	Max. capacity	Q	2000 kg	4409 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	642 mm	25.276 in
1.9	Wheelbase	y	1126 mm	44.331 in
Weight				
2.1	Service Weight		1250 kg	2756 lbs
Wheels				
3.1	Tyres type		Polyurethane	Polyurethane
3.2	Number of drive wheels / Size of drive wheels		1x270x90	1x270x90
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		1 / 2	1 / 2
3.6	Front wheel gauge	b10	844 mm	33.228 in
3.7	Rear wheel gauge	b11	351 mm	13.819 in
Dimensions				
4.2	Height mast Lowered	h1	1935 mm	76.181 in
4.4	Lifting Height	h3	2800 mm	110.236 in
4.5	Height mast extended	h4	3310 mm	130.315 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	1898 mm	74.724 in
4.20	Length to face of forks	l2	748 mm	29.449 in
4.21	Overall width	b1	974 mm	38.346 in
4.22	Forks section / width / length	s / e / l	70 mm / 195 mm / 1150 mm	2.756 in / 7.677 in / 45.276 in
4.24	Fork carriage width	b3	840 mm	33.071 in
4.32	Ground clearance at centre of wheelbase	m2	25 mm	0.984 in
4.33	Aisle Width for pallets 1000 x 1200 crossways	Ast	2330 mm	91.732 in
4.35	Turning radius	Wa	1442 mm	56.772 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 / 0.1 m/s	0.49 ft/s / 0.33 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 kW	1 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		No	No

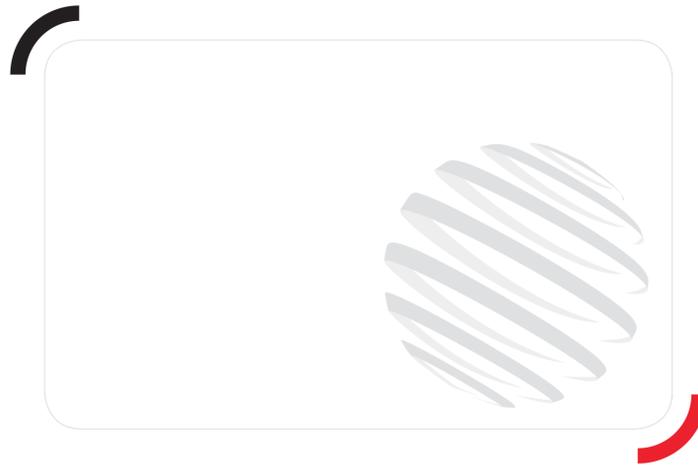
	Engine			
6.4	Battery / Batteries capacity		24 V / 189 Ah	24 V / 189 Ah
6.5	Battery weight (+/- 5%)		190 kg	419 lbs
	Miscellaneous			
8.1	Type of drive control		DC	DC
8.4	Sound level at the driver's ear according to DIN 12 053		65 dB(A)	65 dB(A)

Dimensional drawing



Characteristics of masts and residual capacities

Full Visibility Duplex		FVD 37
h3 - Mast lifting height	mm	3700
h1 - Mast height lowered	mm	2385
h4 - Mast height extended	mm	3740
Residual capacity at max height	kg	1500



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