

Technical sheet :

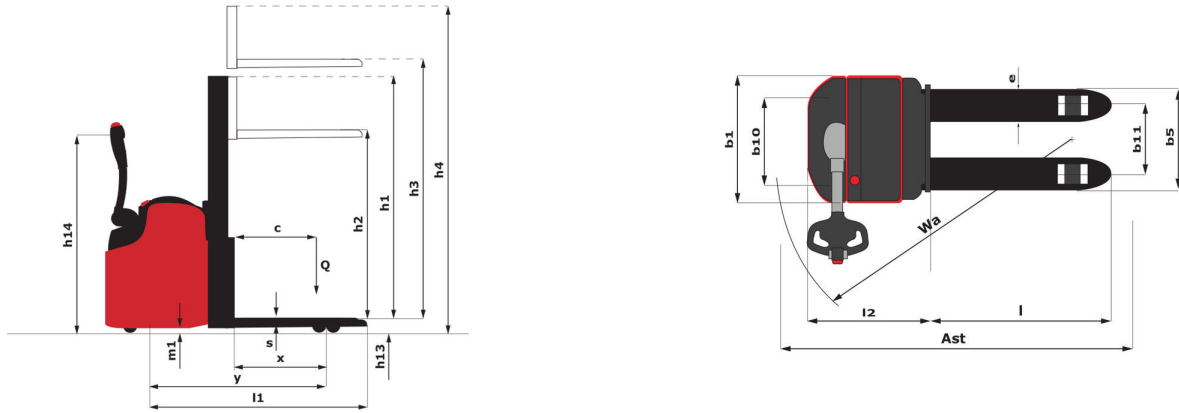
# **ES 720 FR**

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Technical characteristics			Metric
1.1	Manufacturer		Manitou
1.2	Model Name		ES 720 FR
1.3	Power source		Battery
1.4	Operator type		Pedestrian
1.5	Max. capacity	Q	2000 kg
1.6	Load centre of gravity	c	600 mm
1.8	Distance from Load backrest to center of rear axle	x	642 mm
1.9	Wheelbase	y	1126 mm
Weight			
2.1	Service weight		1250 kg
Wheels			
3.1	Tyres type		Polyurethane
3.5.2	Number of drive wheels / Size of drive wheels		1x270x90
3.3	Number of load wheels / Size of load wheels		2 / 78x78
3.4	Number of castor wheels		1
3.4	Number of stabilizer wheels / Size of the stabilizer wheels		2 / 150x50
3.5	Number of front wheels / rear wheels		1 / 2
3.6	Front wheel gauge	b10	844 mm
3.7	Rear wheel gauge	b11	351 mm
Dimensions			
4.2	Height mast lowered *	h1	1935 mm
4.4	Lifting Height	h3	2800 mm
4.5	Height mast extended *	h4	3310 mm
4.9	Height tiller up min. / max.	h14 / h14	900 mm / 1400 mm
4.15	Fork height in low position	h13	90 mm
4.19	Overall length	l1	1898 mm
4.20	Length to face of forks	l2	748 mm
4.21	Overall width	b1	974 mm
4.22	Forks section / width / length	s / e / l	70 mm / 195 mm / 1150 mm
4.24	Fork carriage width	b3	840 mm
4.32	Ground clearance at centre of wheelbase	m2	25 mm
4.33	Aisle Width for pallets 1000 x 1200 crossways	Ast	2330 mm
4.35	Turning radius	Wa	1442 mm
Performances			
5.1	Travel speed (laden / unladen)		4.90 km/h / 6 km/h
5.2	Lifting speed (laden / unladen)		0.08 m/s / 0.15 m/s
5.3	Lowering speed (laden / unladen)		0.15 m/s / 0.10 m/s
5.8	Max Gradeability (laden / unladen)		4 % / 7 %
5.10	Service brake		Electro magnetic
Engine			
6.1	Drive motor rating S2 60 min		1 kW
6.2	Lift motor rating at S3 15%		3 kW
6.3	Battery according to DIN 43531/35/36 A, B, C		No
6.4	Battery / Batteries capacity		24 V / 189 Ah
6.5	Battery weight (+/- 5%)		190 kg
Miscellaneous			
8.1	Type of drive control		DC
8.4	Sound level at the driver's ear according to DIN 12 053		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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