Technical sheet :

## **ES 612 LI (5PTS**)

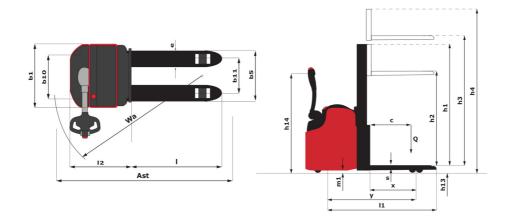




	Technical characteristics	
1.1	Manufacturer	
1.2	Manaractalen	
1.2	Power source	
1.4	Operator type	
1.5	Max. capacity	
1.6		
	Load center of gravity	
1.8	Distance from Load backrest to center of rear axle	
1.9	Wheelbase	
	Weight	
2.1	Service weight	
2.2	Weight on front axle (laden) / rear axle (laden)	
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	
3.4	Number of stabilizer wheels / Size of the stabilizer wheels	
3.5	Number of front wheels / rear wheels	
3.5.2	Number of drive wheels / Size of drive wheels	
3.6	Front wheel gauge	
3.7	Rear wheel gauge	
	Dimensions	
4.6	Initial lift	
4.19	Overall length	
4.20	Length to face of forks	
4.21	Overall width	
4.22	Forks section / width / length	s
4.24	Fork carriage width	
4.32	Ground clearance at centre of wheelbase	
4.33	Aisle Width for pallets 1000 x 1200 crossways	
4.34	Aisle width for 800 x 1200 pallet lengthways	
4.35	Tuming radius	
4.9	Height tiller min. / max.	h1
4.9	Performances	
5.1	Travel speed (laden / unladen)	
5.2	Lifting speed (laden / unladen)	
5.3	Lowering speed (laden / unladen)	
5.8		
5.8	Max Gradeability (laden / unladen) Service brake	
5.10		
6.1	Engine	
6.1	Drive motor rating S2 60 min	
6.2	Lift motor rating at \$3 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	

<b>15</b> ) U	ealed 011 May 5, 2024 at 11.07.01 FW 010
	Metric
	Manitou
	ES 612 LI 5 points
	Electrical
	Pedestrian
	1200 kg
	600 mm
	834 mm
	1492 mm
	1251 kg
	1295 kg / 1163 kg
	1328 kg / 1003 kg
	Bandage
	2 / 140x60
	1 / 140x60
	3 / 4
	1/230x70
	529 mm
	380 mm
	110 mm
	2162 mm
	973 mm
	800 mm
I	60 mm / 185 mm / 1190 mm
•	700 mm
	30 mm
	2398 mm
	2394 mm
	1849 mm
4	750 mm / 1250 mm
	4.50 km/h / 4.50 km/h
	0.18 m/s / 0.30 m/s
	0.27 m/s / 0.22 m/s
	7 % / 10 %
	Electro magnetic
	1.50 kW
	1.50 kW 3 kW
	3 KW DIN 43535-B
	24 V / 180 Ah
	24 V / 180 An 189 kg
	103 Kg
	AC
	65 dB

## ES 612 LI (5pts) - Dimensional drawing



## Characteristics of masts and residual capacities

Central Cylinder Simplex (CCS)		CCS 15	CCS 17
h1 - Mast lowered height	mm	1953	2203
h2 - Mast free lift	mm	1506	1756
h3 - Mast lifting height	mm	1506	1756
h4 - Mast extended height	mm	1960	2210
Residual capacity at max height	kg	1200	1200

Free Lift Duplex (FLD)		FLD 29	FLD 34
h1 - Mast lowered height	mm	1953	2203
h2 - Mast free lift	mm	1506	1756
h3 - Mast lifting height	mm	2931	3431
h4 - Mast extended height	mm	3385	3885
Residual capacity at max height	kg	1200	900

Free Lift Triplex (FLT)		FLT 42
h1 - Mast lowered height	mm	1911
h2 - Mast free lift	mm	1466
h3 - Mast lifting height	mm	4246
h4 - Mast extended height	mm	4723
Residual capacity at max height	kg	550



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