Technical sheet :

ES 612 LI (5PTS)





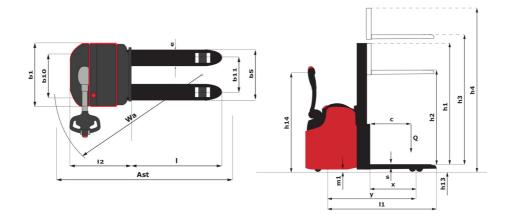
Manitou ES 612 LI 5 points Electrical Pedestrian

1200 kg

	Technical characteristics	
1.1	Manufacturer	
1.2	Model Name	
1.3	Power source	
1.4	Operator type	
1.5	Max. capacity	Q
1.6	Load center of gravity	C C
1.8	Distance from Load backrest to center of rear axle	x
1.9	Wheelbase	y
1.2	Weight	y
2.1	Service weight	
2.1	Weight on front axle (laden) / rear axle (laden)	
2.2		
2.3	Weight on front axle (Unladen) / rear axle (Unladen)	
0.1	Wheels The second sec	
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	b10
3.7	Rear wheel gauge	b11
	Dimensions	
4.6	Initial lift	h5
4.19	Overall length	1
4.20	Length to face of forks	12
4.21	Overall width	b1
4.22	Forks section / width / length	s / e / l
4.24	Fork carriage width	b3
4.32	Ground clearance at centre of wheelbase	m2
4.33	Aisle Width for pallets 1000 x 1200 crossways	Ast
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast
4.35	Tuming radius	Wa
4.9	Height tiller min. / max.	h14 / h1
	Performances	
5.1	Travel speed (laden / unladen)	
5.2	Lifting speed (laden / unladen)	
5.3	Lowering speed (laden / unladen)	
5.8	Max Gradeability (laden / unladen)	
5.10	Service brake	
	Engine	
6.1	Drive motor rating S2 60 min	
6.2	Lift motor rating at S3 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	

ų	1200 kg			
с	600 mm			
х	834 mm			
у	1492 mm			
	1251 kg			
	1295 kg / 1163 kg			
	1328 kg / 1003 kg			
	Bandage			
	2 / 140x60			
	1 / 140x60			
	3 / 4			
	1/230x70			
10	529 mm			
11	380 mm			
15	110 mm			
1	2162 mm			
12	973 mm			
51	800 mm			
e/l	60 mm / 185 mm / 1190 mm			
53	700 mm			
n2	30 mm			
st	2398 mm			
st	2394 mm			
Va	1849 mm			
/ h14	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			
	3 kW			
	DIN 43535-B			
	24 V / 180 Ah			
	189 kg			
	AC			
	65 dB			
	00 00			

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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