Technical sheet :

ES 612 LI (5PTS)

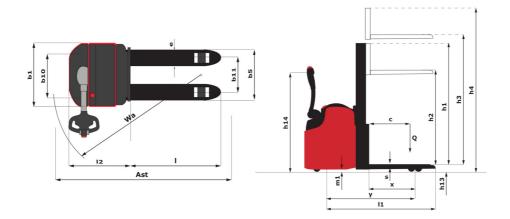




	Technical characteristics	
1.1	Manufacturer	
1.2	Model Name	
1.3	Power source	
1.4	Operator type	
1.5	Max. capacity	Q
1.6	Load center of gravity	С
1.8	Distance from Load backrest to center of rear axle	х
1.9	Wheelbase	у
	Weight	
2.1	Service weight	
2.2	Weight on front axle (laden) / rear axle (laden)	
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	b10
3.7	Rear wheel gauge	b10
3.7	Dimensions	
4.6		h5
4.0	Overall length	11
4.19	Length to face of forks	12
4.20	Overall width	12 b1
4.21		
4.22	Forks section / width / length Fork carriage width	s/e b3
4.24	For carrage would Ground clearance at centre of wheelbase	m2
4.32		Ast
4.33	Aisle Width for pallets 1000 x 1200 crossways	Ast
4.34	Aisle width for 800 x 1200 pallet lengthways	Wa
	Turning radius	
4.9	Height tiller min. / max.	h14 / I
5.4	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	

(5PT	S) Created on May 3, 2024 at 8:40:07 AM UTC			
	Metric			
	Manitou			
	ES 612 LI 5 points			
	Electrical			
	Pedestrian			
Q	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			
n5	110 mm			
1	2162 mm			
2	973 mm			
01	800 mm			
e / I	60 mm / 185 mm / 1190 mm			
03	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			
	10			
	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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