Technical sheet :

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

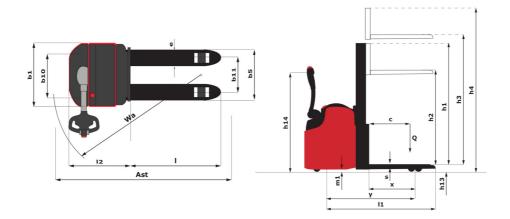




	Technical characteristics	
1.1	Manufacturer	
1.2	Model Name	
1.3	Power source	
1.4	Operator type	
1.5	Max. capacity	(
1.6	Load center of gravity	(
1.8	Distance from Load backrest to center of rear axle	)
1.9	Wheelbase	)
	Weight	
2.1	Service weight	
2.2	Weight on front axle (laden) / rear axle (laden)	
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	b1
3.7	Rear wheel gauge	b1
	Dimensions	
4.6	Initial lift	h
4.19	Overall length	l,
4.20	Length to face of forks	12
4.21	Overall width	b
4.22	Forks section / width / length	s / e
4.24	Fork carriage width	b
4.32	Ground clearance at centre of wheelbase	m
4.33	Aisle Width for pallets 1000 x 1200 crossways	A
4.34	Aisle width for 800 x 1200 pallet lengthways	A
4.35	Turning radius	W
4.9	Height tiller min. / max.	h14 /
	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	

( <b>5PTS</b> )	Created on May 1, 2024 at 8:23:22 AM UTC		
	Metric		
	Manitou		
	ES 612 LI 5 points		
	Electrical		
	Pedestrian		
2	1200 kg		
;	600 mm		
t i i	834 mm		
/	1492 mm		
	1251 kg		
	1295 kg / 1163 kg		
	1328 kg / 1003 kg		
	Bandage		
	2 / 140x60		
	1 / 140x60		
	3 / 4		
	1/230x70		
0	529 mm		
1	380 mm		
5	110 mm		
1	2162 mm		
2	973 mm		
1	800 mm		
e/I	60 mm / 185 mm / 1190 mm		
3	700 mm		
2	30 mm		
st	2398 mm		
st	2394 mm		
a	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		
	109 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		550



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