Technical sheet :

ES 612 LI (5PTS)

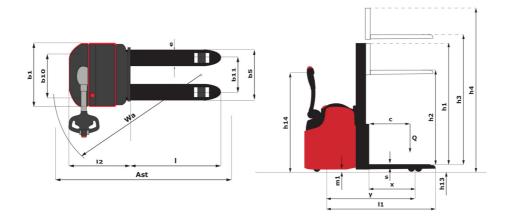




		230122
	Technical characteristics	
1.1	Manufacturer	
1.2	Model Name	
1.3	Power source	
1.4	Operator type	
1.5	Max. capacity	
1.6	Load center of gravity	
1.8	Distance from Load backrest to center of rear axle	
1.9	Wheelbase	
1.2	Weight	
2.1	Service weight	
2.2	Weight on front axle (laden) / rear axle (laden)	
2.2	Weight on front axle (Indeen) / rear axle (Indeen)	
2.5	Wheels	
3.1	Tires type	
3.3	Number of load wheels / Size of load wheels	
3.3	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	
4.6	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	
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	Turning radius	
4.9	Height tiller min. / max.	h
	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	

(SPTS) Created on August 30, 2025 at 6:12 PM UTC		
	Metric		
	Manitou		
	ES 612 LI (5pts)		
	Electrical - Lead		
	Pedestrian		
Q	1200 kg		
с	600 mm		
x	729 mm		
у	1393 mm		
	1248 kg		
	983 kg / 1513 kg		
	883 kg / 353 kg		
	Polyurethane		
	4 / 82 x 68		
	1 / 120 x 54		
	3/4		
10	1/230x70		
10	558 mm		
011	380 mm		
h5	110 mm		
11	2126 mm		
12	834 mm		
b1	800 mm		
e/l	60 mm / 185 mm / 1150 mm		
b3	700 mm		
m2	24 mm		
Ast	2398 mm		
Ast	2394 mm		
Na	1597 mm		
/ h14	750 mm / 1250 mm		
	6 km/h / 6 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		
	100 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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