

Technical sheet :

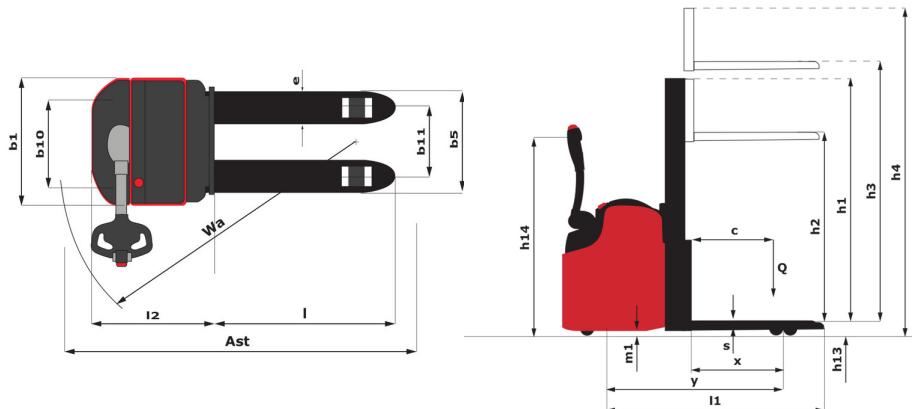
ES 612 LI (5PTS)



 **MANITOU**
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Technical characteristics		Metric	
1.1	Manufacturer	Manitou	
1.2	Model Name	ES 612 LI (5pts)	
1.3	Power source	Electrical - Lead	
1.4	Operator type	Pedestrian	
1.5	Max. capacity	1200 kg	
1.6	Load center of gravity	600 mm	
1.8	Distance from Load backrest to center of rear axle	729 mm	
1.9	Wheelbase	1393 mm	
Weight			
2.1	Service weight	1248 kg	
2.2	Weight on front axle (laden) / rear axle (laden)	983 kg / 1513 kg	
2.3	Weight on front axle (Unladen) / rear axle (Unladen)	883 kg / 353 kg	
Wheels			
3.1	Tires type	Polyurethane cushion	
3.3	Number of load wheels / Size of load wheels	4 / 82 x 68	
3.4	Number of stabilizer wheels / Size of the stabilizer wheels	1 / 120 x 54	
3.5	Number of front wheels / rear wheels	3 / 4	
3.5.2	Number of drive wheels / Size of drive wheels	1/230x70	
3.6	Front wheel gauge	558 mm	
3.7	Rear wheel gauge	380 mm	
Dimensions			
4.19	Overall length	2126 mm	
4.20	Length to face of forks	834 mm	
4.21	Overall width	800 mm	
4.22	Forks section / width / length	60 mm / 185 mm / 1150 mm	
4.24	Fork carriage width	700 mm	
4.32	Ground clearance at centre of wheelbase	24 mm	
4.33	Aisle Width for pallets 1000 x 1200 crossways	2398 mm	
4.34	Aisle width for 800 x 1200 pallet lengthways	2394 mm	
4.6	Initial lift	110 mm	
4.35	Turning radius	1597 mm	
4.9	Height tiller min. / max.	750 mm / 1250 mm	
Performances			
5.1	Travel speed (laden / unladen)	6 km/h / 6 km/h	
5.2	Lifting speed (laden / unladen)	0.18 m/s / 0.30 m/s	
5.3	Lowering speed (laden / unladen)	0.27 m/s / 0.22 m/s	
5.8	Max Gradeability (laden / unladen)	7 % / 10 %	
5.10	Service brake	Electro magnetic	
Engine			
6.1	Drive motor rating S2 60 min	1.50 kW	
6.2	Lift motor rating at S3 15%	3 kW	
6.3	Battery according to DIN 43531/35/36 A, B, C	DIN 43535-B	
6.4	Battery voltage / capacity	24 V / 180 Ah	
6.5	Battery weight (+/- 5%)	189 kg	
Miscellaneous			
8.1	Type of drive control	AC	
8.4	Sound level at the driver's ear according to DIN 12 053	65 dB	

ES 612 LI (5pts) - Dimensional drawing

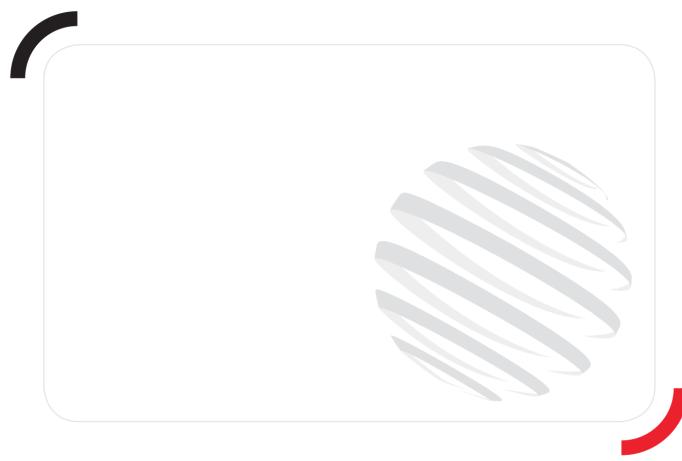


Characteristics of masts and residual capacities

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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