Technical sheet:

ES 612 LI (5PTS)





Technical characteristics			ES 612 LI (5PTS) CIEd	teu off August 12, 2025 at 10.52 PM of
1.2 Model Name ES 612 LI (5pts)		Technical characteristics		Metric
1.3 Power source Electrical 1.4 Operator type Pedestrian 1.5 Max. capacity Q 1200 kg 1.6 Load center of gravity C 600 mm 1.8 Distance from Load backrest to center of rear axle x 729 mm 1.9 Wheelbase y 1393 mm	1.1	Manufacturer		Manitou
1.4 Operator type	1.2	Model Name		ES 612 LI (5pts)
1.5 Max. capacity Q 1200 kg 1.6 Load center of gravity c 600 mm 1.8 Distance from Load backrest to center of rear axle x 729 mm 1.9 Wheelbase y 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 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 b10 558 mm 3.7 Rear wheel gauge b11 380 mm Dimensions 4.6 Initial lift h5 110 mm 4.19 Overall length 11 2126 mm </td <td>1.3</td> <td>Power source</td> <td></td> <td>Electrical</td>	1.3	Power source		Electrical
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1.9 Wheelbase y 1393 mm	1.6	Load center of gravity	С	600 mm
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4.19 Overall length 11 2126 mm				
4.19 Overall length I1 2126 mm	4.6	Initial lift	h5	110 mm
	4.19	Overall length		2126 mm
	4.20	Length to face of forks	12	834 mm
4.21 Overall width b1 800 mm	4.21	Overall width	b1	800 mm
4.22 Forks section / width / length s / e / l 60 mm / 185 mm / 1150 mm	4.22	Forks section / width / length	s / e / l	60 mm / 185 mm / 1150 mm
4.24 Fork carriage width b3 700 mm	4.24	Fork carriage width	b3	700 mm
4.32 Ground clearance at centre of wheelbase m2 24 mm	4.32	Ground clearance at centre of wheelbase	m2	24 mm
4.33 Aisle Width for pallets 1000 x 1200 crossways Ast 2398 mm	4.33	Aisle Width for pallets 1000 x 1200 crossways	Ast	2398 mm
4.34 Aisle width for 800 x 1200 pallet lengthways Ast 2394 mm	4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	2394 mm
4.35 Tuming radius Wa 1597 mm	4.35		Wa	1597 mm
4.9 Height tiller min. / max. h14 / h14 750 mm / 1250 mm	4.9	Height tiller min. / max.	h14 / h14	750 mm / 1250 mm
Performances		Performances		
5.1 Travel speed (laden / unladen) 6 km/h / 6 km/h	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	5.2	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	5.3			0.27 m/s / 0.22 m/s
5.8 Max Gradeability (laden / unladen) 7 % / 10 %	5.8	Max Gradeability (laden / unladen)		7 % / 10 %
5.10 Service brake Electro magnetic	5.10			Electro magnetic
Engine		Engine		
6.1 Drive motor rating S2 60 min 1.50 kW	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	6.3	Battery according to DIN 43531/35/36 A, B, C		DIN 43535-B
6.4 Battery voltage / capacity 24 V / 180 Ah	6.4			24 V / 180 Ah
6.5 Battery weight (+/- 5%) 189 kg				
Miscellaneous				
8.1 Type of drive control AC	8.1			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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