Technical sheet:

ES 612 LI (5PTS)





Technical characteristics			ES 612 LI (SPIS) GR	ES 612 LT (SPTS) Cleated Off August 30, 2023 at 0.03 PW OT		
1.2 Model Name		Technical characteristics		Metric		
1.3 Power source Flectrical - Lead 1.4 Operator type Q 1200 kg 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 1.9 Wheelbase Y 1393 mm 1.9 Weight Weight 2.1 Service weight Weight 2.2 Weight on front axle (laden) / rear axle (laden) 2.3 Weight on front axle (Unladen) / rear axle (Unladen) 3.1 Tires type Polyurethane 3.1 Tires type Polyurethane 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 / Rize of the stabilizer wheels 3.5.2 Number of front wheels / Rize of drive wheels 3.5.2 Number of front wheels / Rize of drive wheels 3.5.2 Number of front wheels / Rize of drive wheels 3.5.2 Number of front wheels / Rize of drive wheels 3.5.2 Number of front wheels / Rize of drive wheels 4 / 8 / 2 / 8 / 8 / 8 / 8 / 8 / 8 / 8 / 8	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 1248 kg 2.2 Weight on front axle (Idaden) / rear axle (Idaden) 983 kg / 1513 kg 2.3 Weight on front axle (Unladen) 883 kg / 353 kg Wheels 3.1 Tires type Polyurethane 3.3 Number of load wheels / Size of idea wheels 4 / 82 x 68 3.4 Number of stabilizer wheels / Size of the stabilizer wheels 1 / 120 x 54 3.5 Number of font wheels / Faar wheels 3 / 4 3.5.2 Number of drive wheels / Size of drive wheels 1 / 23070 3.6 Front wheel gauge bio 558 mm 3.7 Rear wheel gauge bio 558 mm 3.7 Rear wheel gauge bio 558 mm 4.6 Initial lift b 110 mm 4.6 <t< td=""><td>1.3</td><td>Power source</td><td></td><td>Electrical - Lead</td></t<>	1.3	Power source		Electrical - Lead		
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Performances		-	,	, 66, 1266		
5.1 Travel speed (laden / unladen) 6 km/h / 6 km/h	5.1			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	5.10					
6.1 Drive motor rating \$2 60 min 1.50 kW	6.1	•		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	8.1			A.C.		
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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