Technical sheet:

ES 616 LI





Totalized characteristics			ES 616 LI (reated on July 31, 2025 at 6:43 PM UT
1.3 Prove Source ES 16 LI 1.4 Openstor type Poctage Poctage 1.5 Max. capacity Q 1600 kg 1.6 Load center of gravity Q 1600 kg 1.8 Distance from Load backreat to center of near axie x 848 mm 1.8 Distance from Load backreat to center of near axie x 848 mm 1.8 Weight 1.2 Weight 2.1 Sarcia weight 2.2 Weight on front axie (Loden) / rear axie (Uniden) 2.3 Weight on front axie (Loden) / rear axie (Uniden) 1.1 This spe Polymethane 2.3 Weight on front axie (Loden) / rear axie (Uniden) 1.1 This spe Polymethane 2.4 7.2 kg 3.1 This spe Polymethane 2.4 7.2 kg 3.2 Number of lode wheels / Size of load wheels 2.7 kg 3.3 Number of front wheels / Size of the stabilizer wheels 2.7 kg 3.5 Number of front wheels / Size of dire wheels 2.7 kg 3.5 Number of front wheels / Size of dire wheels 2.7 kg 3.6 Fort wheel gauge bit 2.2 kg 3.7 Rear wheel gauge bit 3.8 mm 4.6 Initial lift 5.8 110 mm 4.6 Initial lift 5.8 110 mm 4.7 Downlind with 5.8 110 mm 4.8 Lower of load wheels 2.2 kg 4.8 Downlind with 5.8 110 mm 4.9 Downlind with 5.8 110 mm 4.1 Downlind with 5.8 110 mm 4.2 Each section / with / length 5.8 110 mm 4.2 Each section / with / length 5.8 110 mm 4.3 Aliale with fire pailes 1000 x 1200 crossways Ast 2.250 mm 4.3 Aliale with fire pailes 1000 x 1200 crossways Ast 2.500 mm 4.3 Fort management 5.8 1.0 mm 4.3 Aliale with fire pailes 1000 x 1200 crossways Ast 2.500 mm 4.3 Each continued 5.0 mm / 155 mm 4.3 Each continued 5.0 mm / 155 mm 5.0 Each continued 5.0 mm / 155 mm		Technical characteristics		Metric
1.4 Openstor type	1.1	Manufacturer		Manitou
1.5 Max. capacity 0 1600 kg	1.2	Model Name		ES 616 LI
1.5	1.3	Power source		Electrical
1.6 Load center of pawily c 600 mm 1.8 Distance from Load backrest to center of mar axie x 8.48 mm 1.9 Wheelbase y 1.42 mm 2.1 Service weight y 1.228 kg 2.2 Weight on from axie (Inden) / rear axie (Inden) p 1.218 kg / 160 kg 2.3 Wheelbase y 1.03 kg / 280 kg 3.1 Tiess tipe p Polyunthane 3.3 Number of food wheels / Size of the stabilizer wheels y 2.74 kg 3.4 Number of food wheels / Size of the stabilizer wheels p 2.74 kg 3.5 Number of forw wheels / Size of the stabilizer wheels p 2.74 kg 3.5 Number of forw wheels / Size of the stabilizer wheels p 2.74 kg 3.5 Number of forw wheels / Size of the stabilizer wheels p 2.74 kg 3.5 Number of forw wheels / Size of the stabilizer wheels p 1.128 kg 3.6 For the weight in in population p 1.128 kg 4.5 The weight in for politic long wheels / Size of the stabilizer wheels p 2.74 kg 4.1 The weight of form wheels / Size of five wheels p 1.128 kg	1.4	Operator type		Pedestrian
1	1.5	Max. capacity	Q	1600 kg
New New	1.6	Load center of gravity	С	600 mm
	1.8	Distance from Load backrest to center of rear axle	х	848 mm
128	1.9	Wheelbase	у	1492 mm
2.2 Weight on front axle (laden) / rear axle (lutaden) 1216 kg / 1660 kg 2.3 Weight on front axle (Uniaden) / rear axle (Uniaden) 1033 kg / 280 kg 3.1 Tires type Polyuvethane 3.2 Number of stabilizer wheels / Size of the stabilizer wheels 4 / 82 x 68 3.4 Number of front wheels / Size of the stabilizer wheels 2 / 4 3.5 Number of front wheels / Size of the stabilizer wheels 1 / 120 x 54 3.6 Font wheel gauge b 10 529 mm 3.6 Font wheel gauge b 10 380 mm 3.7 Rear wheel gauge b 10 380 mm 4.6 Initial lif h 5 110 mm 4.5 Pont height in low position h 13 8 6 mm 4.9 Overall length j 1 2035 mm 4.2 Length of face of forks j 1 2035 mm 4.2 Fork section / width / length j 2 366 mm 4.2 Fork section / width / length j 2 30 mm 4.2 Fork section / width / length j 2 30 mm		Weight		
2.3 Weight on front axie (Uniaden) / rear axie (Uniaden) 1033 kg /280 kg 3.1 Tires type Polyurethane 3.3 Number of Isolar wheels / Size of load wheels 4 / 82 x 68 3.4 Number of Isolar wheels / Size of the stabilizer wheels 2 4 / 82 x 68 3.5 Number of front wheels / Size of drive wheels 2 / 4 2 / 4 3.5 Number of front wheels / Size of drive wheels 1 bit 2 / 2 / 4 3.5 Number of fort wheels / Size of drive wheels 1 bit 3 / 2 / 4 3.7 Rear wheel gauge bit 3 / 3 / 30 / 30 / 30 / 30 / 30 / 30 / 3	2.1	Service weight		1283 kg
Nicels	2.2	Weight on front axle (laden) / rear axle (laden)		1216 kg / 1660 kg
3.1 Tires type Polyuethane 3.3 Number of Isbilizer wheels / Size of the stabilizer wheels 1 / 120 x 54 3.5 Number of Isbilizer wheels / Size of the stabilizer wheels 2 / 4 3.5 Number of front wheels / Isra wheels 2 / 4 3.5 Number of front wheel syse of drive wheels / Size of d	2.3	Weight on front axle (Unladen) / rear axle (Unladen)		1033 kg / 280 kg
3.3 Number of load wheels / Size of the stabilizer wheels 4 / 82 x 68 3.4 Number of stabilizer wheels / Size of the stabilizer wheels 1 / 172 x 54 3.5 Number of find wheels / Size of drive wheels 2 / 4 3.5.2 Number of drive wheels / Size of drive wheels 510 1220x70 3.6 Front wheel gauge b11 380 mm 4.6 Rear wheel gauge b11 380 mm 4.15 Pork height in low position h13 86 mm 4.19 Oveall length 11 2035 mm 4.19 Oveall wide 12 84 mm 4.21 Oveall wide 12 84 mm 4.22 Fork section / width / length 5 / e / l 60 mm / 185 mm / 1190 mm 4.24 Fork camage width 5 / e / l 60 mm / 185 mm / 1190 mm 4.24 Fork camage width 5 / e / l 60 mm / 185 mm / 1190 mm 4.24 Fork camage width 3 / 3 700 m 4.24 Fork width / length 5 / e / l 60 mm / 185 mm / 1190 mm 4.25 Tuming rad		Wheels		
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3.5.2 Number of front wheels / rear wheels 2 / 4 3.5.2 Number of drive wheels / Size of drive wheels 17290x70 3.6 Font wheel gauge b10 5.29 mm 3.7 Rear wheel gauge b11 380 mm 4.6 Initial lift h5 110 mm 4.15 Fork height in low position h13 86 mm 4.19 Overall length 11 2035 mm 4.20 Length to face of forks 12 846 mm 4.21 Fork section / width / length 5 / e / l 60 mm / 185 mm / 1190 mm 4.22 Forks section / width / length 5 / e / l 60 mm / 185 mm / 1190 mm 4.22 Fork carriage width 5 / e / l 60 mm / 185 mm / 1190 mm 4.24 Fork carriage width 5 / e / l 60 mm / 185 mm / 1190 mm 4.24 Fork carriage width 8 / e / l 2 / e / l 4.33 Alsie Width for gallets 1000 x 1200 crossways Ast 2 / 230 mm 4.34 Lise width for 300 x 1200 crossways Ast 2 / 245 mm 5.1		Number of stabilizer wheels / Size of the stabilizer wheels		
3.5.2 Number of drive wheels / Size of drive wheels 1/230x70 3.6 Front wheel gauge b10 529 mm 4.6 Initial lift b1 380 mm 4.6 Initial lift h13 86 mm 4.15 Fok helpith in low position h13 86 mm 4.19 Overall length l1 2035 mm 4.20 Length of ace of forks l1 2035 mm 4.21 Overall width b1 800 mm 4.22 Fork section / width / length s / e / l 60 mm / 185 mm / 1190 mm 4.24 Fork cardiage width s / e / l 60 mm / 185 mm / 1190 mm 4.24 Fork cardiage width for pallets 1000 x 1200 crossways Ast 2520 mm 4.33 Alsie Width for pallets 1000 x 1200 crossways Ast 2520 mm 4.34 Height tiller min. / max. Max 1716 mm 4.9 Tuming radius Max 1716 mm 5. Travel speed (laden / unladen) 6 km/h / 6 km/h 5. Travel speed (laden / unladen) 7 k / 1		Number of front wheels / rear wheels		2 / 4
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Dimensions	3.7		b11	380 mm
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6.5 Battery weight (+/- 5%) 220 kg Miscellaneous 8.1 Type of drive control AC				
Miscellaneous 8.1 Type of drive control AC				
8.1 Type of drive control AC				
	8.1			AC
6.4 Sound level at the drivers ear according to DIN 12 053	8.4	Sound level at the driver's ear according to DIN 12 053		65 dB

ES 616 LI - 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	1600	1600

Full Visibility Duplex (FVD)		FVD 29	FVD 34	FVD 38
h1 - Mast lowered height	mm	1953	2203	2403
h3 - Mast lifting height	mm	2936	3436	3836
h4 - Mast extended height	mm	3390	3890	4290
Residual capacity at max height	kg	1350	1100	850

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	1350	1100

Free Lift Triplex (FLT)		FLT 42	FLT 47	FLT 54
h1 - Mast lowered height	mm	1911	2071	2315
h2 - Mast free lift	mm	1466	1626	1880
h3 - Mast lifting height	mm	4246	4726	5460
h4 - Mast extended height	mm	4723	5203	5895
Residual capacity at max height	kg	670	500	450





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