Technical sheet :

## ES 616 LI (5PTS)

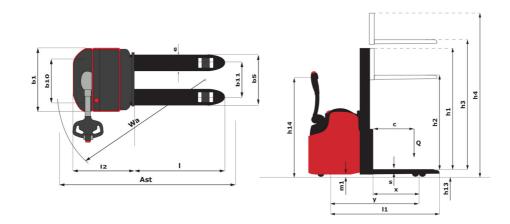




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	Technical characteristics	
1.1	Manufacturer	
1.2	Model Name	
1.3	Power source	
1.4	Operator type	
1.5	Max. capacity	Q
1.6	Load center of gravity	С
1.8	Distance from Load backrest to center of rear axle	х
1.9	Wheelbase	у
	Weight	
2.1	Service weight	
2.2	Weight on front axle (laden) / rear axle (laden)	
2.3	Weight on front axle (Unladen) / rear axle (Unladen)	
	Wheels	
3.1	Tires type	
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 / rear wheels	
3.5.2	Number of drive wheels / Size of drive wheels	
3.6	Front wheel gauge	b10
3.7	Rear wheel gauge	b11
	Dimensions	
4.6	Initial lift	h5
4.15	Fork height in low position	h13
4.19	Overall length	11
4.20	Length to face of forks	12
4.21	Overall width	b1
4.22	Forks section / width / length	s / e / l
4.24	Fork carriage width	b3
4.32	Ground clearance at centre of wheelbase	m2
4.33	Aisle Width for pallets 1000 x 1200 crossways	Ast
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast
4.35	Turning radius	Wa
4.9	Height tiller min. / max.	h14 / h1
	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	

5 LI (5PTS	b) Created on August 13, 2025 at 2:07 AM UTC		
	Metric		
	Manitou		
	ES 616 LI (5pts)		
	Electrical		
	Pedestrian		
Q	1600 kg		
с	600 mm		
х	729 mm		
у	1393 mm		
	1280 kg		
	1070 kg / 1855 kg		
	905 kg / 375 kg		
	Polyurethane		
	4 / 82 x 68		
	2 / 120 x 54		
	3 / 4		
	1/230x70		
b10	558 mm		
b11	380 mm		
h5	110 mm		
h13	86 mm		
1	1995 mm		
12	846 mm		
b1	800 mm		
s/e/l	60 mm / 185 mm / 1150 mm		
b3	700 mm		
m2	24 mm		
Ast	2399 mm		
Ast	2402 mm		
Wa	1597 mm		
h14 / 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		
	220 kg		
	AC		
	65 dB		

## ES 616 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	1600	1600

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	1300	1000

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		600



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