Technical sheet :

## ES 616 LI (5PTS)

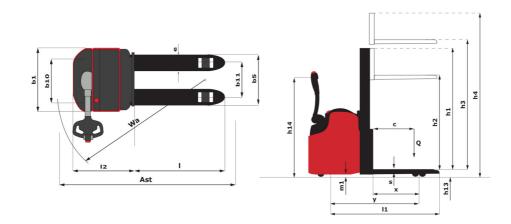




	230	
	Technical characteristics	
1.1	Manufacturer	
1.2	Model Name	
1.3	Power source	
1.4	Operator type	
1.5	Max. capacity	
1.6	Load center of gravity	
1.8	Distance from Load backrest to center of rear axle	
1.9	Wheelbase	
	Weight	
2.1	Service weight	
2.2	Weight on front axle (laden) / rear axle (laden)	
2.3	Weight on front axle (Unladen) / rear axle (Unladen)	
	Wheels	- 1
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	
3.7	Rear wheel gauge	
	Dimensions	
4.6	Initial lift	
4.15	Fork height in low position	
4.19	Overall length	
4.20	Length to face of forks	
4.21	Overall width	
4.22	Forks section / width / length	
4.24	Fork carriage width	
4.32	Ground clearance at centre of wheelbase	
4.33	Aisle Width for pallets 1000 x 1200 crossways	
4.34	Aisle width for 800 x 1200 pallet lengthways	
4.35	Turning radius	
4.9	Height tiller min. / max.	_
	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 \$3 15%	
6.3	Battery according to DIN 43531/35/36 A, B, C	
6.4	Battery voltage / capacity	
6.5	Battery weight (+/- 5%)	
0.1	Miscellaneous	
8.1	Type of drive control	
8.4	Sound level at the driver's ear according to DIN 12 053	

	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			
11	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 k		600



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