Technical sheet :

## ES 616 LI (5PTS)

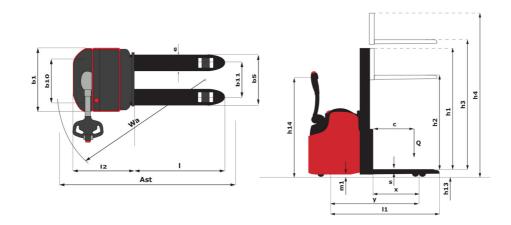




	Technical characteristics
1.1	Manufacturer
1.2	Model Name
1.3	Power source
1.4	Operator type
1.5	Max. capacity
1.6	Load center of gravity
1.8	Distance from Load backrest to center of rear axle
1.9	Wheelbase
	Weight
2.1	Service weight
2.2	Weight on front axle (laden) / rear axle (laden)
2.3	Weight on front axle (Unladen) / rear axle (Unladen)
	Wheels
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 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

(	
	Metric
	Manitou
	ES 616 LI 5 point
	Electrical
	Pedestrian
Q	1600 kg
С	600 mm
х	848 mm
у	1492 mm
	1327 kg
	1246 kg / 1670 kg
	1033 kg / 290 kg
	Bandage
	2 / 140x60
	1 / 140x60
	2 / 4
	1/230x70
b10	529 mm
b11	380 mm
h5	110 mm
h13	86 mm
11	2174 mm
12	976 mm
b1	800 mm
s / e / l	60 mm / 185 mm / 1190 mm
b3	700 mm
m2	30 mm
Ast	2399 mm
Ast	2402 mm
Wa	1588 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
	189 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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