Technical sheet :

## ES 614 LI (5PTS)

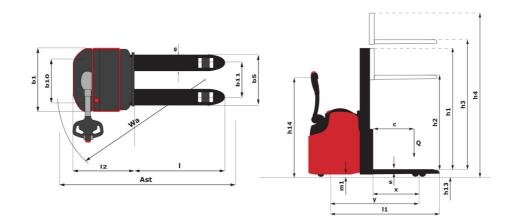




		2301-	+ EI (31
	Technical characteristics		
1.1	Manufacturer		
1.2	Model Name		
1.3	Power source		
1.4	Operator type		
1.5	Max. capacity		Q
1.6	Load center of gravity		c
1.8	Distance from Load backrest to center of rear axle		х
1.9	Wheelbase		у
	Weight		,
2.1	Service weight		
2.2	Weight on front axle (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		1
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		

	Metric
	Manitou
	ES 614 LI (5pts)
	Electrical
	Pedestrian
Q	1400 kg
С	600 mm
х	729 mm
у	1393 mm
	1280 kg
	1005 kg / 1690 kg
	905 kg / 375 kg
	Polyurethane
	4 / 82 x 68
	1 / 120 x 54
	3 / 4
	1/230x70
b10	558 mm
b11	380 mm
h5	110 mm
h13	86 mm
11	2137 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 614 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	1400	1400

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	950

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	600



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