Technical sheet :

ES 614 (5PTS)

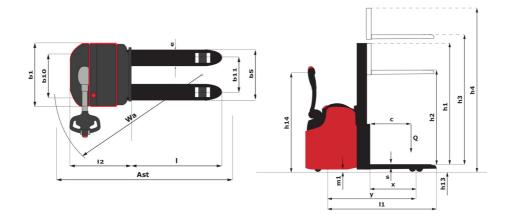




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	Technical characteristics	
1.1	Manufacturer	
1.2	Model Name	
1.3	Power source	
1.4	Operator type	
1.5	Max. capacity	Q
1.6	Load center of gravity	c
1.8	Distance from Load backrest to center of rear axle	х
1.9	Wheelbase	у
	Weight	
2.1	Service weight	
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	b10
0.7	Dimensions	511
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
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	Tuming radius	Wa
4.9	Height tiller min. / max.	h14 / l
	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	
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(5PTS)	Created on August 13, 2025 at 12:30 AM UTC			
	Metric			
	Manitou			
	ES 614 (5pts)			
	Electrical			
	Pedestrian			
Q	1400 kg			
С	600 mm			
х	687 mm			
у	1272 mm			
	1095 kg			
	1065 kg / 1620 kg			
	855 kg / 240 kg			
	Polyurethane			
	4 / 82 x 68			
	2 / 120 x 54			
	3 / 4			
	1/230x70			
b10	529 mm			
b11	380 mm			
h13	85 mm			
11	2052 mm			
12	761 mm			
b1	800 mm			
/ e / l	60 mm / 185 mm / 1150 mm			
b3	700 mm			
m2	30 mm			
Ast	2286 mm			
Ast	2432 mm			
Wa	1476 mm			
4 / 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 / 250 Ah			
	220 kg			
	220 Ky			
	AC			
	65 dB			
	35 db			

ES 614 (5pts) - Dimensional drawing



Characteristics of masts and residual capacities

Central Cylinder Simplex (CCS)		CCS 15	CCS 17
h1 - Mast lowered height	mm	1930	2180
h2 - Mast free lift	mm	1505	1755
h3 - Mast lifting height	mm	1505	1755
h4 - Mast extended height	mm	1944	2194
Residual capacity at max height	kg	1400	1400

Full Visibility Duplex (FVD)		FVD 29	FVD 34	FVD 38
h1 - Mast lowered height	mm	1930	2180	2380
h3 - Mast lifting height	mm	2935	3435	3835
h4 - Mast extended height	mm	3374	3874	4274
Residual capacity at max height	kg	1050	800	500

Free Lift Duplex (FLD)		FLD 29	FLD 34
h1 - Mast lowered height	mm	1930	2180
h2 - Mast free lift	mm	1505	1755
h3 - Mast lifting height	mm	2930	3430
h4 - Mast extended height	mm	3369	3869
Residual capacity at max height	kg	1050	800

Free Lift Triplex (FLT)		FLT 42
h1 - Mast lowered height	mm	1889
h2 - Mast free lift	mm	1465
h3 - Mast lifting height	mm	4245
h4 - Mast extended height	mm	4701
Residual capacity at max height	kg	400



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