Technical sheet :

## ES 614 (5PTS)



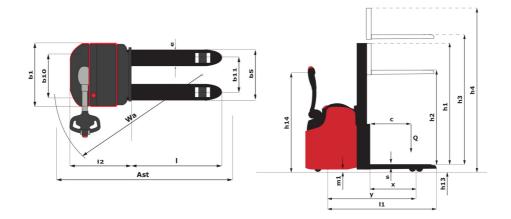


ES 614 (5PTS)	Created on	12 May	2024 at	7:35:02 PM UTC
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	Technical characteristics	
1.1	Manufacturer	
1.2	Model Name	
1.3	Power source	
1.4	Operator type	
1.5	Max. capacity	Q
1.6	Load center of gravity	С
1.8	Distance from Load backrest to center of 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	b10
0.7	Dimensions	511
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/
4.24	Fork carriage width	57e7
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 / h
4.7	Performances	111471
5.1	Travel speed (laden / unladen)	
5.2	Lifting speed (laden / unladen)	
5.3	Lowering speed (laden / unladen)	
5.8		
5.10	Max Gradeability (laden / unladen) Service brake	
5.10	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%)	
0.1	Miscellaneous Trace of drive exercise	
8.1	Type of drive control	
8.4	Sound level at the driver's ear according to DIN 12 053	

521	S) Created OIT 12 Way 2024 at 7.55.02 FWI OTC
	Metric
	Manitou
	ES 614 - 5 points
	Electrical
	Pedestrian
Q	1400 kg
с	600 mm
x	687 mm
у	1250 mm
	1092 kg
	1037 kg / 1453 kg
	851 kg / 240 kg
	Bandage
	2 / 140x60
	1 / 140x60
	3 / 4
	1/230x70
10	529 mm
11	380 mm
13	85 mm
1	2049 mm
2	900 mm
1	800 mm
e/l	60 mm / 185 mm / 1150 mm
3	700 mm
n2	30 mm
st	2464 mm
st	2438 mm
Va	1614 mm
/ h14	750 mm / 1250 mm
	4.50 km/h / 4.50 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 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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