Technical sheet:

ES 614 (5PTS)





		ES 614 (SP1S) GE	ateu on 13 May 2024 at 4.44.34 PM 0
	Technical characteristics		Metric
1.1	Manufacturer		Manitou
1.2	Model Name		ES 614 - 5 points
1.3	Power source		Electrical
1.4	Operator type		Pedestrian
1.5	Max. capacity	Q	1400 kg
1.6	Load center of gravity	С	600 mm
1.8	Distance from Load backrest to center of rear axle	X	687 mm
1.9	Wheelbase	у	1250 mm
	Weight		
2.1	Service weight		1092 kg
2.2	Weight on front axle (laden) / rear axle (laden)		1037 kg / 1453 kg
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		851 kg / 240 kg
	Wheels		
3.1	Tires type		Bandage
3.3	Number of load wheels / Size of load wheels		2 / 140x60
3.4	Number of stabilizer wheels / Size of the stabilizer wheels		1 / 140×60
3.5	Number of front wheels / rear wheels		3 / 4
3.5.2	Number of drive wheels / Size of drive wheels		1/230x70
3.6	Front wheel gauge	b10	529 mm
3.7	Rear wheel gauge	b11	380 mm
	Dimensions		
4.15	Fork height in low position	h13	85 mm
4.19	Overall length	11	2049 mm
4.20	Length to face of forks	12	900 mm
4.21	Overall width	b1	800 mm
4.22	Forks section / width / length	s / e / l	60 mm / 185 mm / 1150 mm
4.24	Fork carriage width	b3	700 mm
4.32	Ground clearance at centre of wheelbase	m2	30 mm
4.33	Aisle Width for pallets 1000 x 1200 crossways	Ast	2464 mm
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	2438 mm
	-		
	•	,	700 11111 7 1200 111111
5.1			4 50 km/h / 4 50 km/h
	, ,		
	- , ,		
5.10			
6.1	•		1.50 kW
			3 kW
	·		
0.0			. 57 kg
8.1			A.C.
	•		
4.35 4.9 5.1 5.2 5.3 5.8 5.10 6.1 6.2 6.3 6.4 6.5	Tuming radius Height tiller min. / max. Performances Travel speed (laden / unladen) Lifting speed (laden / unladen) Lowering speed (laden / unladen) Max Gradeability (laden / unladen) Service brake Engine Drive motor rating \$2 60 min Lift motor rating at \$3 15% Battery according to DIN 43531/35/36 A, B, C Battery voltage / capacity Battery weight (+/- 5%) Miscellaneous Type of drive control Sound level at the driver's ear according to DIN 12 053	Wa h14 / h14	1614 mm 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	ka	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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