Technical sheet :



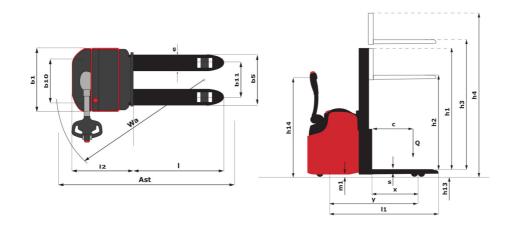




<b>5614</b> LI Created on April 25, 2024 at 1:22:02 PM UTC
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	<b>ES 614 LI</b> Created on April 25, 2024 at 1:22:02 PM		
Technical characteristics		Metric	Imperial
Manufacturer		Manitou	Manitou
Model Name		ES 614 LI	ES 614 LI
Power source		Electrical	Electrical
Operator type		Pedestrian	Pedestrian
Max. capacity	Q	1400 kg	3086 lb
Load center of gravity	С	600 mm	24 in
Distance from Load backrest to center of rear axle	Х	848 mm	33 in
Wheelbase	v	1492 mm	59 in
Weight			
Service weight		1327 kg	2926 lb
Weight on front axle (laden) / rear axle (laden)		1219 kg / 1503 kg	2687 lb / 3314 lb
Weight on front axle (Unladen) / rear axle (Unladen)		1033 kg / 290 kg	2277 lb / 639 lb
Wheels			
Tires type		Bandage	Bandage
Number of load wheels / Size of load wheels		2 / 140x60	2 / 140x60
Number of stabilizer wheels / Size of the stabilizer wheels		1 / 140x60	1 / 140x60
Number of front wheels / rear wheels		2 / 4	2/4
Number of drive wheels / Size of drive wheels		1/230x70	1/230x70
Front wheel gauge	b10	529 mm	21 in
Rear wheel gauge	b11	380 mm	15 in
Dimensions	511		
Initial lift	h5	110 mm	4 in
Fork height in low position	h13	86 mm	3 in
Overall length	11	2174 mm	86 in
Length to face of forks	12	976 mm	38 in
Overall width	b1	800 mm	31 in
Forks section / width / length	s / e / l	60 mm / 185 mm / 1190 mm	2 in / 7 in / 47 in
Fork carriage width	b3	700 mm	28 in
Ground clearance at centre of wheelbase	m2	30 mm	1 in
Aisle Width for pallets 1000 x 1200 crossways	Ast	2520 mm	99 in
Aisle width for 800 x 1200 pallet lengthways	Ast	2435 mm	96 in
Turning radius	Wa	1849 mm	73 in
	h14 /		
Height tiller min. / max.	h14	750 mm / 1250 mm	30 in / 49 in
Performances			
Travel speed (laden / unladen)		4.50 km/h / 4.50 km/h	3 mph / 3 mph
Lifting speed (laden / unladen)		0.18 m/s / 0.30 m/s	0.59 ft/s / 0.98 ft/s
Lowering speed (laden / unladen)		0.27 m/s / 0.22 m/s	0.89 ft/s / 0.72 ft/s
Max Gradeability (laden / unladen)		7 % / 10 %	7 % / 10 %
Service brake		Electro magnetic	Electro magnetic
Engine			
Drive motor rating S2 60 min		1.50 kW	1.50 kW
Lift motor rating at S3 15%		3 kW	3 kW
Battery according to DIN 43531/35/36 A, B, C		DIN 43535-B	DIN 43535-B
Battery voltage / capacity		24 V / 180 Ah	24 V / 180 Ah
Battery weight (+/- 5%)		189 kg	417 lb
Miscellaneous			
Type of drive control		AC	AC
Sound level at the driver's ear according to DIN 12 053		65 dB	65 dB

## ES 614 LI - Dimensional drawing



## Characteristics of masts and residual capacities

Central Cylinder Simplex (CCS)		CCS 15	CCS 17
h1 - Mast lowered height	in (mm)	76.9 (1953)	86.7 (2203)
h2 - Mast free lift	in (mm)	59.3 (1506)	69.1 (1756)
h3 - Mast lifting height	in (mm)	59.3 (1506)	69.1 (1756)
h4 - Mast extended height	in (mm)	77.2 (1960)	87 (2210)
Residual capacity at max height	lb (kg)	3086 (1400)	3086 (1400)
Full Visibility Dupley (EVD)		EVD 20	EVD 34

Full Visibility Duplex (FVD)		FVD 29	FVD 34	FVD 38
h1 - Mast lowered height	in (mm)	76.9 (1953)	86.7 (2203)	94.6 (2403)
h3 - Mast lifting height	in (mm)	115.6 (2936)	135.3 (3436)	151 (3836)
h4 - Mast extended height	in (mm)	133.5 (3390)	153.1 (3890)	168.9 (4290)
Residual capacity at max height	lb (kg)	2866 (1300)	2315 (1050)	1764 (800)

Free Lift Duplex (FLD)		FLD 29	FLD 34
h1 - Mast lowered height	in (mm)	76.9 (1953)	86.7 (2203)
h2 - Mast free lift	in (mm)	59.3 (1506)	69.1 (1756)
h3 - Mast lifting height	in (mm)	115.4 (2931)	135.1 (3431)
h4 - Mast extended height	in (mm)	133.3 (3385)	153 (3885)
Residual capacity at max height	lb (kg)	2866 (1300)	2315 (1050)

Free Lift Triplex (FLT)		FLT 42	FLT 47	FLT 54
h1 - Mast lowered height	in (mm)	75.2 (1911)	81.5 (2071)	91.1 (2315)
h2 - Mast free lift	in (mm)	57.7 (1466)	64 (1626)	74 (1880)
h3 - Mast lifting height	in (mm)	167.2 (4246)	186.1 (4726)	215 (5460)
h4 - Mast extended height	in (mm)	185.9 (4723)	204.8 (5203)	232.1 (5895)
Residual capacity at max height	lb (kg)	1477 (670)	1036 (470)	992 (450)



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