Technical sheet:

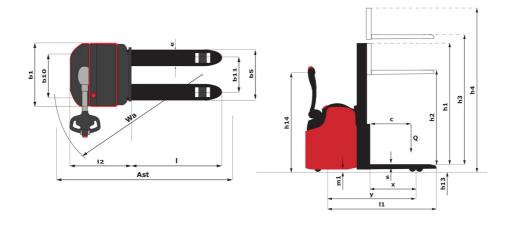
ES 614 LI (5PTS)





Technical characteristics Manufacturer Model Name Power source Operator type Max. capacity Load center of gravity Distance from Load backrest to center of rear axle Wheelbase	Q c x y	Metric Manitou ES 614 LI (5pts) Electrical Pedestrian 1400 kg 600 mm 729 mm 1393 mm 1280 kg 1005 kg / 1690 kg
Model Name Power source Operator type Max. capacity Load center of gravity Distance from Load backrest to center of rear axle	c x	ES 614 LI (5pts) Electrical Pedestrian 1400 kg 600 mm 729 mm 1393 mm 1280 kg 1005 kg / 1690 kg
Power source Operator type Max. capacity Load center of gravity Distance from Load backrest to center of rear axle	c x	Electrical Pedestrian 1400 kg 600 mm 729 mm 1393 mm 1280 kg 1005 kg / 1690 kg
Operator type Max. capacity Load center of gravity Distance from Load backrest to center of rear axle	c x	Pedestrian 1400 kg 600 mm 729 mm 1393 mm 1280 kg 1005 kg / 1690 kg
Max. capacity Load center of gravity Distance from Load backrest to center of rear axle	c x	1400 kg 600 mm 729 mm 1393 mm 1280 kg 1005 kg / 1690 kg
Load center of gravity Distance from Load backrest to center of rear axle	c x	600 mm 729 mm 1393 mm 1280 kg 1005 kg / 1690 kg
Distance from Load backrest to center of rear axle	x	729 mm 1393 mm 1280 kg 1005 kg / 1690 kg
		1393 mm 1280 kg 1005 kg / 1690 kg
Wheelbase	у	1280 kg 1005 kg / 1690 kg
	H	1005 kg / 1690 kg
Weight		1005 kg / 1690 kg
Service weight		
Weight on front axle (laden) / rear axle (laden)		905 kg / 375 kg
Weight on front axle (Unladen) / rear axle (Unladen)		
Wheels		
Tires type		Polyurethane
Number of load wheels / Size of load wheels		4 / 82 x 68
Number of stabilizer wheels / Size of the stabilizer wheels		1 / 120 x 54
Number of front wheels / rear wheels		3 / 4
Number of drive wheels / Size of drive wheels		1/230x70
Front wheel gauge	b10	558 mm
Rear wheel gauge	b11	380 mm
Dimensions		
Initial lift	h5	110 mm
Fork height in low position	h13	86 mm
Overall length	l1	2137 mm
Length to face of forks	12	846 mm
Overall width	b1	800 mm
Forks section / width / length	s / e / l	60 mm / 185 mm / 1150 mm
Fork carriage width	b3	700 mm
Ground clearance at centre of wheelbase	m2	24 mm
Aisle Width for pallets 1000 x 1200 crossways	Ast	2399 mm
Aisle width for 800 x 1200 pallet lengthways	Ast	2402 mm
Tuming radius	Wa	1597 mm
Height tiller min. / max.	h14 / h14	750 mm / 1250 mm
Performances		
Travel speed (laden / unladen)		6 km/h / 6 km/h
Lifting speed (laden / unladen)		0.18 m/s / 0.30 m/s
Lowering speed (laden / unladen)		0.27 m/s / 0.22 m/s
Max Gradeability (laden / unladen)		7 % / 10 %
Service brake		Electro magnetic
Engine		Electic magnetic
Drive motor rating S2 60 min		1.50 kW
Lift motor rating at S3 15%		3 kW
Battery according to DIN 43531/35/36 A, B, C		DIN 43535-B
Battery voltage / capacity		24 V / 180 Ah
Battery worlde (+/- 5%)		24 V / 160 All 220 kg
Miscellaneous		220 kg
Type of drive control		AC
Sound level at the driver's ear according to DIN 12 053		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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