Technical sheet :



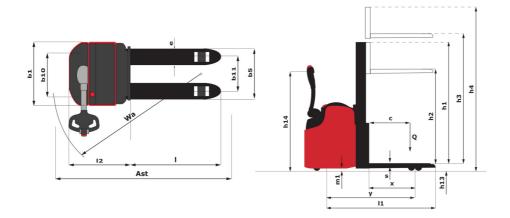




-		
	Technical characteristics	
1.1	Manufacturer	
1.2	Model Name	
1.3	Power source	
1.4	Operator type	
1.5	Max. capacity	Q
1.6	Load center of gravity	С
1.8	Distance from Load backrest to center of rear axle	x
1.9	Wheelbase	у
	Weight	,
2.1	Service weight	
2.2	Weight on front axle (laden) / rear axle (laden)	
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	b1
3.7	Rear wheel gauge	b1
	Dimensions	
4.6	Initial lift	h
4.19	Overall length	1
4.20	Length to face of forks	12
4.21	Overall width	bʻ
4.22	Forks section / width / length	s / e
4.24	Fork carriage width	b
4.32	Ground clearance at centre of wheelbase	m
4.33	Aisle Width for pallets 1000 x 1200 crossways	As
4.34	Aisle width for 800 x 1200 pallet lengthways	As
4.35	Turning radius	W
4.9	Height tiller min. / max.	h14 /
	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	

ES 6 1	■ Created on July 31, 2025 at 9:28 PM UTC
	Metric
	Manitou
	ES 612 LI
	Electrical
	Pedestrian
Q	1200 kg
C	600 mm
х	855 mm
у	1492 mm
,	
	1251 kg
	1133 kg / 1318 kg
	973 kg / 278 kg
	Polyurethane
	4 / 82 x 68
	1 / 120 x 54
	2 / 4
	1/230x70
b10	529 mm
b11	380 mm
h5	110 mm
11	2024 mm
12	834 mm
b1	800 mm
s / e / l	60 mm / 185 mm / 1190 mm
b3	700 mm
m2	30 mm
Ast	2521 mm
Ast	2428 mm
Wa	1716 mm
h14 / 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 / 180 Ah
	189 kg
	AC
	65 dB

ES 612 LI - 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	1200	1200

Full Visibility Duplex (FVD)		FVD 29	FVD 34	FVD 38
h1 - Mast lowered height	mm	1953	2203	2403
h3 - Mast lifting height	mm	2936	3436	3836
h4 - Mast extended height	mm	3390	3890	4290
Residual capacity at max height	kg	1200	1050	800

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	3385000	3885
Residual capacity at max height	kg	1200	1050

Free Lift Triplex (FLT)		FLT 42	FLT 45
h1 - Mast lowered height	mm	1911	2071
h2 - Mast free lift	mm	1466	1626
h3 - Mast lifting height	mm	4246	4726
h4 - Mast extended height	mm	4723	5203
Residual capacity at max height	kg	650	580



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