Technical sheet :





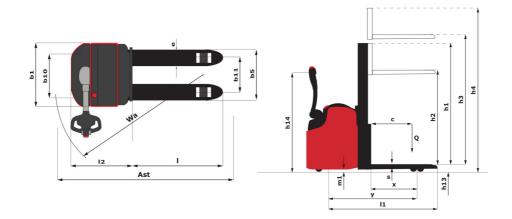


	Technical characteristics
1.1	Manufacturer
2	Model Name
	Power source
3 4	Operator type
5	Max. capacity
.6	Load center of gravity
.8	Distance from Load backrest to center of rear axle
.9	Wheelbase
	Weight
.1	Service weight
.2	Weight on front axle (laden) / rear axle (laden)
3	Weight on front axle (Unladen) / rear axle (Unladen)
	Wheels
.1	Tires type
3	Number of load wheels / Size of load wheels
4	Number of stabilizer wheels / Size of the stabilizer wheels
5	Number of front wheels / rear wheels
5.2	Number of drive wheels / Size of drive wheels
.6	Front wheel gauge
.7	Rear wheel gauge
	Dimensions
6	Initial lift
9	Overall length
20	Length to face of forks
21	Overall width
2	Forks section / width / length
4	Fork carriage width
32	Ground clearance at centre of wheelbase
3	Aisle Width for pallets 1000 x 1200 crossways
34	Aisle width for 800 x 1200 pallet lengthways
35	Tuming radius
9	Height tiller min. / max.
	Performances
.1	Travel speed (laden / unladen)
.2	Lifting speed (laden / unladen)
.3	Lowering speed (laden / unladen)
.8	Max Gradeability (laden / unladen)
10	Service brake
	Engine
1	Drive motor rating S2 60 min
2	Lift motor rating at S3 15%
3	Battery according to DIN 43531/35/36 A, B, C
.4	Battery voltage / capacity
.5	Battery weight (+/- 5%)
	Miscellaneous
.1	Type of drive control
4	Sound level at the driver's ear according to DIN 12 053
	······································

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	Metric
	Manitou
	ES 612 LI
	Electrical
	Pedestrian
Q	1200 kg
с	600 mm
x	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
511	
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
1114 / 1114	730 mm 7 1230 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
	3 KW DIN 43535-B
	24 V / 180 Ah
	189 kg
	10
	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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