

Technical sheet :

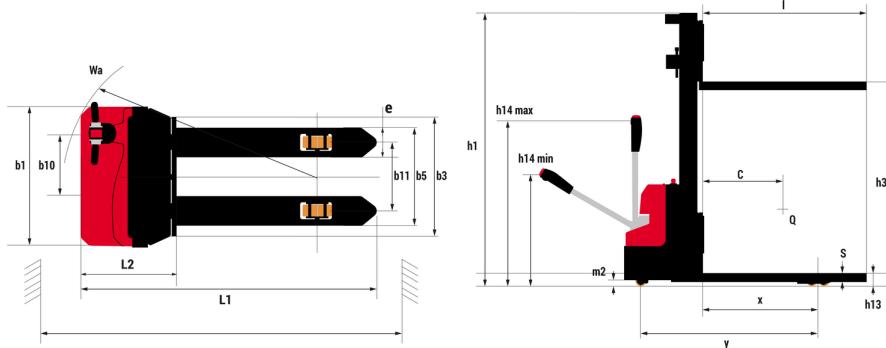
# ES 112 EASY



 **MANITOU**  
HANDLING YOUR WORLD

Technical characteristics		Metric	
1.1	Manufacturer	MANITOU	
1.2	Model Name	ES 112 Easy	
1.3	Power source	Electrical - Lithium	
1.4	Operator type	Pedestrian	
1.5	Max. capacity	1200 kg	
1.6	Load center of gravity	600 mm	
1.8	Distance from Load backrest to center of rear axle	798 mm	
1.9	Wheelbase	1198 mm	
Weight			
2.1	Service weight	610 kg	
2.2	Weight on front axle (laden) / rear axle (laden)	645 kg / 1165 kg	
2.3	Weight on front axle (Unladen) / rear axle (Unladen)	448 kg / 162 kg	
Wheels			
3.1	Tires type	Polyurethane cushion	
3.3	Number of load wheels / Size of load wheels	4 / 80x64	
3.4	Number of stabilizer wheels / Size of the stabilizer wheels	1 / 80 x 64	
3.5	Number of front wheels / rear wheels	2 / 4	
3.5.2	Number of drive wheels / Size of drive wheels	1/210x70	
3.6	Front wheel gauge	566 mm	
3.7	Rear wheel gauge	396 mm	
Dimensions			
4.15	Fork height in low position	85 mm	
4.19	Overall length	1700 mm	
4.20	Length to face of forks	560 mm	
4.21	Overall width	800 mm	
4.22	Forks section / width / length	60 mm / 170 mm / 1150 mm	
4.24	Fork carriage width	680 mm	
4.25	Forks spread	560 mm	
4.31	Ground clearance below mast	26 mm	
4.32	Ground clearance at centre of wheelbase	26 mm	
4.33	Aisle Width for pallets 1000 x 1200 crossways	2226 mm	
4.34	Aisle width for 800 x 1200 pallet lengthways	2169 mm	
4.35	Turning radius	1402 mm	
Performances			
5.1	Travel speed (laden / unladen)	4.50 km/h / 5 km/h	
5.2	Lifting speed (laden / unladen)	0.11 m/s / 0.15 m/s	
5.3	Lowering speed (laden / unladen)	0.12 m/s / 0.12 m/s	
5.8	Max Gradeability (laden / unladen)	6 % / 10 %	
5.10	Service brake	Electro magnetic	
Engine			
6.1	Drive motor rating S2 60 min	0.65 kW	
6.2	Lift motor rating at S3 15%	2.20 kW	
6.4	Battery voltage / capacity	24 V / 60 Ah	
6.5	Battery technology	Lithium-ion	
6.5	Battery weight (+/- 5%)	18 kg	
Miscellaneous			
8.1	Type of drive control	DC	
8.4	Sound level at the driver's ear according to DIN 12 053	65 dB	

## ES 112 Easy - Dimensional drawing



## Characteristics of masts and residual capacities

Central Cylinder Duplex (CCD)	CCD 27	CCD 36
h1 - Mast lowered height	mm	1924
h3 - Mast lifting height	mm	2700
h4 - Mast extended height	mm	3274
Residual capacity at max height	kg	1000
Height at max capacity	mm	2500
		2458
		3600
		4258
		600
		2500

Central Cylinder Simplex (CCS)	CCS 11	CCS 15
h1 - Mast lowered height	mm	1716
h2 - Mast free lift	mm	1100
h3 - Mast lifting height	mm	1100
h4 - Mast extended height	mm	1716
Residual capacity at max height	kg	1200
Height at max capacity	mm	1100
		1992
		1475
		1500
		2015
		1200
		1500



# **MANITOU** HANDLING YOUR WORLD

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