Technical sheet:

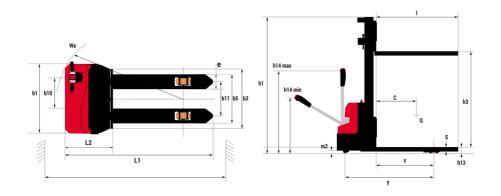
ES 112 EASY





Technical characteristics			ESTIZEASI O	realed off August 2, 2020 at 0.21 Aivi
1.3 Model Name		Technical characteristics		Metric
1.4 Openot vape	1.1	Manufacturer		MANITOU
1.4 Operator type	1.2	Model Name		ES 112 Easy
1.5	1.3	Power source		Electrical - Lithium
1.6 Load centre of gravity c 600 mm 1.8 Distance from Load backtes to center of rear axie x 798 mm 1.9 Wheelbase y 11198 mm 2.1 Service weight 610 kg 610 kg 2.2 Weight on fromt axie (laden) / rear axie (laden) 448 kg / 162 kg 2.3 Weight on front axie (lunden) / rear axie (lunden) - 448 kg / 162 kg 3.1 Tires type Pollyuethane - 44 kg / 162 kg 3.1 Tires type Pollyuethane - - 44 kg / 162 kg 3.1 Tires type Pollyuethane - - 44 kg / 162 kg 3.1 Tires type Pollyuethane - - 44 kg / 162 kg 3.2 Number of forwheels / Size of the sabilizer wheels - - 27 4 - - 27 4 - - - - - - - - - - - - - - - - - - -	1.4	Operator type		Pedestrian
1.5 Service weight Service weight	1.5	Max. capacity	Q	1200 kg
Neelbase Weight Weight	1.6	Load center of gravity	c	600 mm
	1.8	Distance from Load backrest to center of rear axle	x	798 mm
2.1 Service weight on front axie (loden) / rear axie (luhaden)	1.9	Wheelbase	у	1198 mm
		Weight		
2.3 Weight on front axie (Unladen) / rear axie (Unladen) 448 kg / 162 kg Wheels Weight Wheels Polysuethane 3.3 Number of load wheels / Size of fload wheels 4 / 80x 64 3.4 Number of food wheels / Size of the stabilizer wheels 1 / 80 x 64 3.5 Number of front wheels / Fize of dive wheels 2 / 2 / 4 3.5.2 Number of front wheels / Size of dive wheels 10 0 556 mm 3.7 Rear wheel gauge b10 556 mm 3.7 Rear wheel gauge b11 396 mm 4.15 Ore keight in low position h13 85 mm 4.19 Overall length 11 1700 mm 4.20 Length to face of forks 12 560 mm 4.21 Overall width 5 / 2 / 1 60 mm 4.22 Forks section / width / length 5 / 2 / 1 60 mm 4.21 Fork samps width 5 / 2 / 1 60 mm 4.22 Fork samps width 5 / 2 / 2 60 mm 4.23 A size width for palles 1000 x 1200 crossways </td <td>2.1</td> <td>Service weight</td> <td></td> <td>610 kg</td>	2.1	Service weight		610 kg
Nite	2.2	Weight on front axle (laden) / rear axle (laden)		645 kg / 1165 kg
Nivels	2.3	Weight on front axle (Unladen) / rear axle (Unladen)		448 kg / 162 kg
3.1 Tires type Polyumehane 3.3 Number of Iolad wheels / Size of the stabilizer wheels 4 / 80x64 3.4 Number of Iolad wheels / Size of the stabilizer wheels 2 / 4 3.5 Number of front wheels / Size of drive wheels 2 / 4 3.5 Number of drive wheels / Size of drive wheels 2 / 4 3.5 Number of drive wheels / Size of drive wheels 2 / 4 3.5 Profit wheel gauge b10 5666 mm 3.7 Rear wheel gauge b11 396 mm 4.15 Fork height in low position h13 85 mm 4.19 Overall length 11 1700 mm 4.20 Length of face of forks 12 560 mm 4.21 Overall width b1 800 mm 4.22 Fork section / width / length \$ / e/1 60 mm / 170 mm / 1150 mm 4.24 Fork cartiage width 53 680 mm 4.25 Fork spread 55 560 mm 4.31 Ground clearance at centre of wheelbase m2 26 mm 4.32				<u> </u>
3.3 Number of load wheels / Size of the stabilizer wheels / Size of drive wheels / Size of Grive w	3.1			Polyurethane
3.4 Number of stabilizer wheels / Size of the stabilizer wheels 2 / 4 3.5 Number of front wheels / Izer of wheels 2 / 4 3.6 Front wheel gauge b10 566 mm 3.7 Rear wheel gauge b10 566 mm 4.15 Fork height in low position h13 85 mm 4.19 Overall length 11 1700 mm 4.20 Length to face of forks 12 560 mm 4.21 Overall width b1 800 mm 4.22 Fork section / width / length b1 800 mm 4.21 Overall width b1 800 mm 4.22 Forks section / width / length 5 / 71 60 mm / 170 mm / 1150 mm 4.23 Fork sating width b3 680 mm 4.24 Fork carriage width b3 660 mm 4.25 Forks spread b5 560 mm 4.24 Ground clearance at centre of wheelbase m2 2.6 mm 4.23 Ground clearance below mast m2 2.6 mm 4.				·
3.5. Number of front wheels / Izer of drive wheels 2 / 4 3.5				
3.5.2 Number of drive wheels / Size of drive wheels 1/210x70 3.6 Front wheel gauge b10 566 mm Dimensions 4.15 Fork helight in low position h13 85 mm 4.20 Length to face of forks 12 560 mm 4.21 Overall length of face of forks 12 500 mm 4.22 Fork section / width / length b1 800 mm 4.24 Fork carriage width b3 660 mm 4.25 Fork sepped b5 500 mm 4.24 Fork sayeed b5 500 mm 4.25 Fork sayeed b5 500 mm 4.26 Fork sayeed b5 500 mm 4.27 Fork sayeed b5 500 mm 4.28 Fork sayeed b5 500 mm 4.31 Giound clearance at centre of wheelbase m2 26 mm 4.32 Asile width for pallets 1000 x 1200 crossways Ast 2226 mm 4.33 Asile width for 800x 1200 pallet lengthways Ast 216 mm 5.1 Travel speed (laden / unladen) W				
3.6 Front wheel gauge b10 566 mm 3.7 Rear wheel gauge b11 396 mm 4.15 Fork height in low position h13 85 mm 4.19 Overall length 11 1700 mm 4.20 Length to face of forks 12 560 mm 4.21 Overall width b1 800 mm 4.22 Fork section / width / length s / e / l 60 mm / 170 mm / 1150 mm 4.24 Fork carriage width b3 660 mm 4.25 Fork carriage width b3 660 mm 4.21 Ground clearance below mast m1 26 mm 4.25 Fork sepread b5 55 mm 4.31 Ground clearance at centre of wheelbase m2 25 mm 4.32 Ground clearance at centre of wheelbase m6 25 mm 4.33 Alsie Width for 900 x 1200 pallet lengthways Ast 225 mm 4.34 Alsie Width for 900 x 1200 v 1200 crossways Ast 2216 mm 4.35 Tuming radius Wa 1402 mm 5.1 Tawel speed (laden / unladen) 4.50 km/h /				
3.7 Rear wheel gauge b11 396 mm Umensions Commensions Commensions 4.19 Fork height in low position h1 1700 mm 4.20 Length to face of forks l2 560 mm 4.21 Overall width b1 800 mm 4.22 Forks section / width / length b3 660 mm 4.24 Fork carriage width b3 660 mm 4.25 Forks spread b5 550 mm 4.31 Ground clearance below mast m1 26 mm 4.32 Ground clearance at earther of wheelbase m2 25 mm 4.33 Akise Width for pallets 1000 x 1200 crossways Ast 2226 mm 4.34 Akise Width for pallets 1000 x 1200 crossways Ast 2169 mm 4.35 Turning radius Wa 1402 mm 5.1 Travel speed (laden / unladen) Wa 1402 mm 5.2 Liffing speed (laden / unladen) 0.11 m/s / 0.15 m/s 5.3 Loweing speed (laden / unladen) 6 % / 10 %			b10	
Dimensions				
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4.20 Length to face of forks 12 560 mm 4.21 Overall width b1 800 mm 4.22 Forks section / width / length \$ / e / l 60 mm / 170 mm / 1150 mm 4.24 Fork carriage width b3 680 mm 4.25 Forks spread b5 550 mm 4.31 Ground clearance at centre of wheelbase m2 26 mm 4.32 Ground clearance at centre of wheelbase m2 26 mm 4.33 Aisle Width for pallets 1000 x 1200 crossways Ast 2169 mm 4.34 Aisle width for 800 x 1200 pallet lengthways Ast 2169 mm 4.35 Tuming radius Wa 1402 mm 5.1 Tavel speed (laden / unladen) Wa 1402 mm 5.2 Lifting speed (laden / unladen) 0.11 m/s / 0.15 m/s 5.3 Lowering speed (laden / unladen) 0.11 m/s / 0.15 m/s 5.1 Sevice brake Electro magnetic 6.1 Prive motor rating \$2.50 min 0.55 kW 6.2 Lift motor rating \$2.50 min 0.55 kW 6.3 Battery wortage / capacity 2.0 km <				
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6.2 Lift motor rating at S3 15% 2.20 kW 6.4 Battery voltage / capacity 24 V / 60 Ah Battery technology Lithium-ion 6.5 Battery weight (+/- 5%) 18 kg Miscellaneous Image: Company of the property of the proper	6.1	-		0.65 kW
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Battery technology 6.5 Battery weight (+/- 5%) Miscellaneous Lithium-ion 18 kg				
6.5 Battery weight (+/- 5%) Miscellaneous 18 kg	0.4			
Miscellaneous	6.5			
	0.0			10 kg
UC	Q 1			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	2458
h3 - Mast lifting height	mm		3600
h4 - Mast extended height	mm	3274	4258
Residual capacity at max height	kg	1000	600
Height at max capacity	mm	2500	2500

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





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