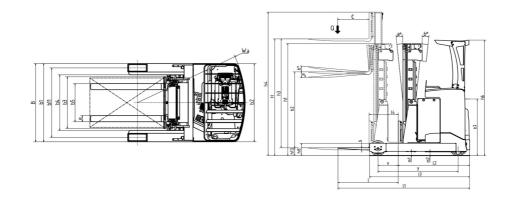
Technical sheet:

ER 12



Manufacture		Technical characteristics		Metric
1.1	1.1	Manufacturer		Manitou
1.5 Max. capacity Q 1200 kg	1.2	Model Name		ER 12
1.5	1.3	Power source		Electrical
1.6	1.4	Operator type		Seated
1.8 Load distance, centre of drive axile to fock	1.5	Max. capacity	Q	1200 kg
Wheelbase Wheelbase Wheelbase Wheelbase Wheelbase Wheelbase Wheelbase Wheelbase Wheelbase Whitelbase	1.6	Load center of gravity	С	600 mm
	1.8	Load distance, centre of drive axle to fork	х	335 mm
Service weight Serv	1.9	Wheelbase	у	1378 mm
Wite		Weight		
3.5.2 Number of loive wheels - Size of drive wheels 1 x 355 x 155	2.1	Service weight		2580 kg
3.5.2 Number of drive wheels - Size of drive wheels 1 x 355 x 155 3.3 Number of Indewheels - Size of load wheels 2 x 220 x 85 3.5 Number of Indewheels / sear wheels 1 1/2 3.6 Front wheel gauge b10 0 mm 3.7 Rear wheel gauge b10 0 mm 3.7 Rear wheel gauge b11 995 mm Olimeraions 4.8 Sea theight/stand height h7 1077 mm 4.9 Overall widh 11 243 mm 4.20 Length to face of forks 12 126 amm 4.21 Overall widh s / e / l 40 mm x 100 mm 4.22 Foks section / widh / length s / e / l 40 mm x 100 mm 4.23 Foks section / widh / length s / e / l 40 mm x 100 mm 4.23 Foks section / widh / length s / e / l 40 mm x 100 mm 4.24 Foks section / widh / length s / e / l 20 mm m 4.25 Widh over foks min / max b 5 316 mm / 697 mm 4.25		Wheels		
3.3 Number of load wheels - Size of load wheels 1 / 2 3.5 Number of front wheel gauge b10 0 nmm 3.6 Front wheel gauge b10 0 nmm 3.7 Rear wheel gauge b11 995 mm 4.8 Seat height/stand height h7 1077 mm 4.19 Overall length l1 2413 mm 4.20 Length to face of forks l2 1263 mm 4.21 Overall width b1 1120 mm 4.22 Fork section / width / length b1 1120 mm 4.22 Fork camped SD 2238 (class/form) A/B 2A 4.26 4.23 Fork camped SD 2238 (class/form) A/B 2A 4.26 4.24 Using count decarance at centre of wheelbase b4 900 mm 4.25.1 Width over forks min. / max. b5 316 mm / 697 mm 4.32 Giound decarance at centre of wheelbase m2 70 mm 4.33 Aisle width for 100 x 1200 pallet lengthways Ast 275 mm 4.35 Turning advant for 800 x 1200 pallet	3.1	Tires type		Vulkollan
3.3 Number of load wheels - Size of load wheels 1 / 2 3.5 Number of front wheel gauge b10 0 nmm 3.6 Front wheel gauge b10 0 nmm 3.7 Rear wheel gauge b11 995 mm 4.8 Seat height/stand height h7 1077 mm 4.19 Overall length l1 2413 mm 4.20 Length to face of forks l2 1263 mm 4.21 Overall width b1 1120 mm 4.22 Fork section / width / length b1 1120 mm 4.22 Fork camped SD 2238 (class/form) A/B 2A 4.26 4.23 Fork camped SD 2238 (class/form) A/B 2A 4.26 4.24 Using count decarance at centre of wheelbase b4 900 mm 4.25.1 Width over forks min. / max. b5 316 mm / 697 mm 4.32 Giound decarance at centre of wheelbase m2 70 mm 4.33 Aisle width for 100 x 1200 pallet lengthways Ast 275 mm 4.35 Turning advant for 800 x 1200 pallet	3.5.2			1 x 355 x 155
3.5 Number of front wheels / rear wheel gauge b10 0 mm 3.6 Front wheel gauge b11 995 mm Dimensions 4.8 Seat height stand height h7 1077 mm 4.19 Overall length I1 2413 mm 4.20 Length to face of forks I2 1263 mm 4.21 Overall width b1 1120 mm 4.22 Fork section / width / length s / e / l 40 mm x100 mm / 1150 mm 4.23 Fork camiage ISO 2328 (class/form) A/B s / e / l 40 mm x100 mm / 1150 mm 4.24 Fork camiage ISO 2328 (class/form) A/B 2A 2A 4.25 Distance between wheel amrs/loading surfaces b4 90 mm 4.25 Ground clearance at centre of wheelbase m2 70 mm 4.25 Ground clearance at centre of wheelbase m2 70 mm 4.33 A list width for 1000 x 1200 pallet lengthways Ast 22751 mm 4.34 Aisle width for 1000 x 1200 pallet lengthways Ast 22751 mm 4.7 Hei				
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Rear wheel gauge Dimensions			b10	
			b11	995 mm
4.8 Seat height/stand height h7 1077 mm 4.19 Overall length 11 2413 mm 4.20 Length to face of forks 12 1268 mm 4.21 Overall width bit 1120 mm 4.22 Fork seeding I Not fleth s / e / l 40 mm x 100 mm / 1150 mm 4.23 Fork carriage ISO 2238 (class/form) A/B 2A 2A 4.26 Distance between wheel amms/loading surfaces b4 900 mm 4.25.1 Width over fork min. / max. b5 316 mm / 697 mm 4.25.2 Ground clearance at centre of wheelbase m2 70 mm 4.25.3 Alsie width for 1000 x 1200 pallet lengthways Ast 2594 mm 4.33 Alsie width for 800 x 1200 pallet lengthways Ast 22751 mm 4.34 Alsie width for 800 x 1200 pallet lengthways Ast 22751 mm 4.35 Tuming radius Wa 1598 mm 4.7 Height of overhead guard (cabin) M6 2205 mm 5.2 Lifting speed (laden / unladen) 0.50 m/s / 0.55 m/s 0				
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4.20 Length to face of forks 12 1263 mm 4.21 Overall width b1 1120 mm 4.22 Forks section / width / length s / e / t 40 mm x 100 mm / 1150 mm 4.23 Fork carriage ISO 2328 (class / form) A / B 2A 4.26 Distance between wheel ams / loading surfaces b4 900 mm 4.25.1 Width over forks min / max. b5 316 mm / 697 mm 4.32 Ground clearance at centre of wheelbase m2 70 mm 4.33 Aisle width for 1000 x 1200 pallet lengthways Ast 2654 mm 4.33 Aisle width for 800 x 1200 pallet lengthways Ast 22751 mm 4.34 Aisle width for 800 x 1200 pallet lengthways Ast 22751 mm 4.35 Turning adius Ma 1598 mm 4.36 Turning adius Ma 1598 mm 5.1 Tagel ghed (laden / unladen) B6 2205 mm 5.1 Tavel speed (laden / unladen) 0.58 m/s / 0.55 m/s 5.3 Lowering speed (laden / unladen) 0.58 m/s / 0.55 m/s 5.1				2413 mm
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4.23 Fork carriage ISO 2328 (class/form) A/B 2A 4.26 Distance between wheel amms/loading surfaces b4 900 mm 4.25.1 Width over forks min. / max. b5 316 mm / 697 mm 4.32 Ground clearance at centre of wheelbase m2 70 mm 4.33 Aisle width for 1000 x 1200 pallet lengthways Ast 2594 mm 4.34 Aisle width for 800 x 1200 pallet lengthways Ast 2751 mm 4.35 Tuming radius Wa 1598 mm 4.37 Height of overhead guard (cabin) h6 2205 mm Performances 5.1 Tavel speed (laden / unladen) 12.30 km/h 71.2.50 km/h 5.2 Lifting speed (laden / unladen) 0.55 m/s 0.55 m/s 5.3 Lowering speed (laden / unladen) 0.55 m/s 0.55 m/s 5.4.1 Reach speed (with load / without load) 0.58 m/s 0.55 m/s 0.55 m/s 5.7 Gradeability (laden / unladen) 0.50 m/s / 0.50 m/s 7.50 % / 11.10 % 5.10 Service brake Electric Electric 6.1				
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8.3 Oil flow rate for attachments 25 l/min	0.1			Flactronia
		•		
V 4 Cound level at the driver's corresponding to DIM 12 0E2	8.4	Sound level at the driver's ear according to DIN 12 053		25 i/min 57.40 dB

ER 12 - Dimensional drawing



Characteristics of masts and residual capacities

Free Lift Triplex (FLT)		FLT 48	FLT 54	FLT 57	FLT 63	FLT 68
α - Mast/fork carriage tilt, forward °		3	3	3	3	3
β - Mast/fork carriage tilt, backward	۰	1	1	1	1	1
h1 - Mast lowered height	mm	2140	2340	2440	2640	2790
h2 - Mast free lift	mm	1600	1800	1900	2100	2250
h3 - Mast lifting height	mm	4800	5400	5700	6300	6800
h4 - Mast extended height		5380	5980	6280	6880	7330
Residual capacity with integrated side shift at max heigth	kg	1200	1200	1200	1000	700





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