Technical sheet:

ER 12



		ER 12 (Greated on July 31, 2025 at 5.56 PM UTC		
	Technical characteristics		Metric		
1.1	Manufacturer		Manitou		
1.2	Model Name		ER 12		
1.3	Power source		Electrical		
1.4	Operator type		Seated		
1.5	Max. capacity	Q	1200 kg		
1.6	Load center of gravity	c	600 mm		
1.8	Load distance, centre of drive axle to fork	x	335 mm		
1.9	Wheelbase	у	1378 mm		
	Weight				
2.1	Service weight		2580 kg		
	Wheels				
3.1	Tires type		Vulkollan		
3.5.2	Number of drive wheels - Size of drive wheels		1 x 355 x 155		
3.3	Number of load wheels - Size of load wheels		2 x 220 x 85		
3.5	Number of front wheels / rear wheels		1/2		
3.6	Front wheel gauge	b10	0 mm		
3.7	Rear 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	12	1263 mm		
4.21	Overall width	b1	1120 mm		
4.22	Forks section / width / length	s / e / l	40 mm x 100 mm / 1150 mm		
4.23	Fork carriage ISO 2328 (class/form) A/B	0,0,1	2A		
4.26	Distance between wheel arms/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		2694 mm		
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	2751 mm		
4.35	Turning radius	Wa	1598 mm		
4.7	Height of overhead guard (cabin)	h6	2205 mm		
4.7	Performances	110	2200 11111		
5.1	Travel speed (laden / unladen)		12.30 km/h / 12.50 km/h		
5.2	Lifting speed (laden / unladen)		0.50 m/s / 0.65 m/s		
5.3	Lowering speed (laden / unladen)		0.50 m/s / 0.65 m/s 0.58 m/s / 0.55 m/s		
5.4.1	Reach speed (with load / without load)				
5.7	Gradeability (laden / unladen)		0.20 m/s / 0.20 m/s 7.50 % / 11.10 %		
5.10	Service brake		Electric		
3.10	Engine		Liecuic		
6.1	Drive motor rating S2 60 min		5.90 kW		
6.2					
6.3	Lift motor rating at S3 15% Battery according to DIN 43531/35/36 A, B, C		11 kW		
6.4	•		DIN43531 B		
6.5	Battery voltage / capacity		48 V / 310 Ah		
0.5	Battery weight (+/- 5%)		730 kg		
0.1	Miscellaneous Time of drive control		Floatronia		
8.1	Type of drive control		Electronic		
8.3	Oil flow rate for attachments		25 I/min		
8.4	Sound level at the driver's ear according to DIN 12 053		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	mm	5380	5980	6280	6880	7330
Residual capacity with integrated side shift at max heigth	kg	1200	1200	1200	1000	700





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