Technical sheet:

ER 12



.1 Manufacturer .2 Model Name .3 Power source .4 Operator type .5 Max. capacity .6 Load center of gravity .8 Load distance, centre of drive axle to form	ork	Q c x y	Manitou ER 12 Electrical Seated 1200 kg 600 mm 307 mm 1378 mm
.3 Power source .4 Operator type .5 Max. capacity .6 Load center of gravity .8 Load distance, centre of drive axle to fe	ork	c x	Electrical Seated 1200kg 600mm 307mm
.4 Operator type .5 Max. capacity .6 Load center of gravity .8 Load distance, centre of drive axle to fe	ork	c x	Seated 1200 kg 600 mm 307 mm
.5 Max. capacity .6 Load center of gravity .8 Load distance, centre of drive axle to form	brk	c x	1200 kg 600 mm 307 mm
 Max. capacity Load center of gravity Load distance, centre of drive axle to fee 	brk	c x	600 mm 307 mm
.6 Load center of gravity .8 Load distance, centre of drive axle to for	ork	Х	307 mm
.8 Load distance, centre of drive axle to f	ork	Х	307 mm
		у	1378 mm
Weight			
1 Service weight			2580 kg
Wheels			·
Tires type			Vulkollan
5.2 Number of drive wheels - Size of drive v	vheels		1 x 355 x 155
Number of load wheels - Size of load w			2 x 220*85
.5 Number of front wheels / rear wheels			1/2
6.6 Front wheel gauge		b10	0 mm
.7 Rear wheel gauge		b11	995 mm
Dimensions			
.7 Height of overhead guard (cabin)		h6	2205 mm
.8 Seat height/stand height		h7	1077 mm
19 Overall length		I1	2413 mm
20 Length to face of forks		12	1263 mm
21 Overall width		b1	1120 mm
22 Forks section / width / length		s / e / l	40 mm x 100 mm / 1150 mm
.23 Fork carriage ISO 2328 (class/form) A/	В		2A
26 Distance between wheel arms/loading		b4	900 mm
25.1 Width over forks min. / max.		b5	316 mm / 697 mm
.32 Ground clearance at centre of wheelba	se	m2	70 mm
Aisle width for 1000 x 1200 pallet length	hways		2701 mm
34 Aisle width for 800 x 1200 pallet length	-	Ast	2768 mm
35 Turning radius	•	Wa	1598 mm
Performances			
Travel speed (laden / unladen)			12.30 km/h / 12.50 km/h
i.2 Lifting speed (laden / unladen)			0.46 m/s / 0.54 m/s
Lowering speed (laden / unladen)			0.58 m/s / 0.60 m/s
4.1 Reach speed (with load / without load)			0.20 m/s / 0.20 m/s
Gradeability (laden / unladen)			7.50 % / 11.10 %
10 Service brake			Electric
Engine			
Drive motor rating S2 60 min			5.90 kW
.2 Lift motor rating at S3 15%			11 kW
Battery according to DIN 43531/35/36 A	ь, В, С		DIN43531 B
.4 Battery voltage / capacity			48 V / 420 Ah
.5 Battery weight (+/- 5%)			730 kg
Miscellaneous			
Type of drive control			Electronic
3.3 Oil flow rate for attachments			25 l/min
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

Full Visibility Duplex (FVD)		FVD 32	FVD 36	FVD 38	FVD 42	FVD 45	FVD 48
Mast/fork carriage tilt, forward	۰	4	4	4	4	4	4
Mast/fork carriage tilt, backward	۰	1	1	1	1	1	1
h1 - Mast lowered height	mm	2170	2370	2470	2670	2820	2970
h2 - Mast free lift	mm	125	125	125	125	125	125
h3 - Mast lifting height	mm	3200	3600	3800	4200	4500	4800
h4 - Mast extended height	mm	3780	4180	4380	4780	5080	5380
Residual capacity with integrated side shift at max heigth	kg	1200	1200	1200	1200	1200	1200

Free Lift Triplex (FLT)		FLT 48	FLT 54	FLT 57	FLT 63	FLT 68
Mast/fork carriage tilt, forward	۰	3	3	3	3	3
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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