

Technical sheet :

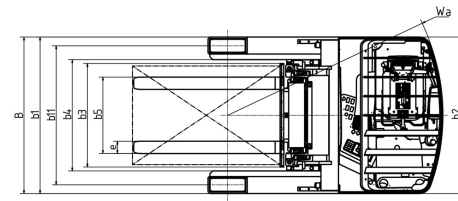
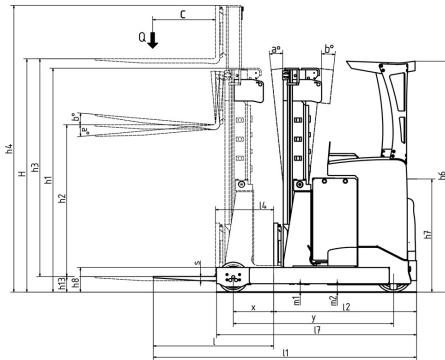
# **ER 16**

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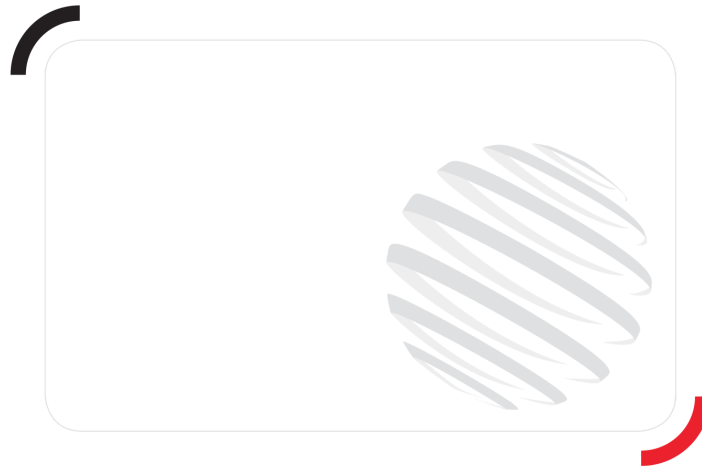
	Technical characteristics		Metric
1.1	Manufacturer		MANITOU
1.2	Model Name		ER 16
1.3	Power source		Battery
1.4	Operator type		Seated
1.5	Max. capacity	Q	1600 kg
1.6	Load centre of gravity	c	600 mm
1.8	Load distance, centre of drive axle to fork	x	439 mm
1.9	Wheelbase	y	1448 mm
	Weight		
2.1	Service weight		3190 kg
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		2000 kg / 1190 kg
	Wheels		
3.1	Tyres type		Vulkollan
3.5.2	Number of drive wheels - Size of drive wheels		1 x 355*155
3.3	Number of load wheels - Size of load wheels		2 x 282*105
3.5	Number of front wheels / rear wheels		1 / 2
3.6	Front wheel gauge	b10	0 mm
3.7	Rear wheel gauge	b11	1130 mm
	Dimensions		
4.1	Tilt of Mast Forward (deg) / Backward (deg)	$\alpha / \beta$	1 / 3
4.7	Height of overhead guard (cabin)	h6	2205 m
4.7	Overall height of standard overhead guard	h6	2205 mm
4.8	Seat height/stand height	h7	1077 mm
4.19	Overall length	l1	2379 mm
4.20	Length to face of forks	l2	1229 mm
4.21	Overall width	b1	1270 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		2A
4.26	Distance between wheel arms/loading surfaces	b4	912 mm
4.24	Fork carriage width	b3	830 mm
4.25.1	Width over forks min. / max.		316 mm / 697 mm
4.32	Ground clearance at centre of wheelbase	m2	70 mm
4.33	Aisle Width for pallets 1000 x 1200 crossways	Ast	2689 mm
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	2728 mm
4.35	Turning radius	Wa	1668 mm
	Performances		
5.1	Travel speed (laden / unladen)		14.3 km/h / 14.5 km/h
5.2	Lifting speed (laden / unladen)		0.49 m/s / 0.8 m/s
5.3	Lowering speed (laden / unladen)		0.49 m/s / 0.48 m/s
5.4.1	Reach speed (with load / without load)		0.2 m/s / 0.2 m/s
5.7	Gradeability (laden / unladen)		8.5 % / 11.1 %
5.10	Service brake		Electric
	Engine		
6.1	Drive motor rating S2 60 min		7.2 kW
6.2	Lift motor rating at S3 15%		15 kW
6.3	Battery according to DIN 43531/35/36 A, B, C		DIN 43531 C
6.4	Battery / Batteries capacity		48 V / 465 Ah
6.5	Battery weight (+/- 5%)		735 kg
	Miscellaneous		
8.1	Type of drive control		Electronic
8.2	Working hydraulic pressure for attachments		150 Bar
8.3	Oil flow rate for attachments		25 l/min
8.4	Sound level at the driver's ear according to DIN 12 053		60.8 dB(A)

## Dimensional drawing



## Characteristics of masts and residual capacities

Free Lift Triplex		FLT 48	FLT 54	FLT 63	FLT 68	FLT 73	FLT 75	FLT 80
h1 - Height mast lowered *	mm	2140	2340	2640	2790	2957	3040	3190
h2 - Free lift	mm	1600	1800	1900	2100	2400	2500	2650
h3 - Lifting Height	mm	4800	5400	6300	6750	7250	7500	7950
h4 - Height mast extended *	mm	5380	5980	6880	7330	7830	8080	8530
$\alpha / \beta$ - Mast inclination (front / rear)	°	1 / 3	1 / 3	1 / 3	1 / 3	1 / 3	1 / 3	1 / 3
Residual capacity with integrated side shift (Industrial load chart)	kg	1600	1600	1400	1100			



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