

Technical sheet :

ME 316



Technical characteristics			Metric
1.1	Manufacturer		Manitou
1.2	Model Name		ME 316
1.3	Power source		Electric
1.4	Operator type		Seated
1.5	Max. capacity	Q	1600 kg
1.6	Load centre of gravity	c	500 mm
1.8	Load distance, centre of drive axle to fork	x	355 mm
1.9	Wheelbase	y	1358 mm
Weight			
2.1	Service weight		3120 kg
2.2	Weight on front axle (laden) / rear axle (laden)		4100 kg / 620 kg
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		1440 kg / 1680 kg
Wheels			
3.1	Tyres type		PPS
3.2	Dimensions of front wheels		18x7-8
3.3	Dimensions of rear wheels		15x4,5-8
3.5	Number of front wheels / rear wheels		2 / 1
3.5.2	Number of drive wheels		2
3.6	Front wheel gauge	b10	910 mm
3.7	Rear wheel gauge	b11	175 mm
Dimensions			
4.1	Tilt of Mast Forward (deg) / Backward (deg)	α / β	5.5 / 6.5
4.12	Height of towing bar (coupling height)	h10	500 mm
4.19	Overall length	l1	2968 mm
4.20	Length to face of forks	l2	1898 mm
4.21	Overall width	b1	1086 mm
4.22	Forks section / width / length	s / e / l	35 mm x 100 mm / 1070 mm
4.23	Fork carriage ISO 2328 (class/form) A/B		FEM 2A
4.24	Fork carriage width	b3	1000 mm
4.31	Ground clearance below mast	m1	100 mm
4.32	Ground clearance at centre of wheelbase	m2	110 mm
4.33	Aisle Width for pallets 1000 x 1200 crossways	Ast	3237 mm
4.35	Turning radius	Wa	1555 mm
4.7	Height of overhead guard (cabin)	h6	2040 mm
4.8	Seat height/stand height	h7	1000 mm
Performances			
5.1	Travel speed (laden / unladen)		16 km/h / 18 km/h
5.2	Lifting speed (laden / unladen)		0.40 m/s / 0.47 m/s
5.3	Lowering speed (laden / unladen)		0.46 m/s / 0.44 m/s
5.5	Drawbar pull (Laden / Unladen)		750 daN / 772 daN
5.7	Gradeability (laden / unladen)		16 % / 18 %
5.10	Service brake		Oil bath
Engine			
6.1	Number of drive motor / Drive motor rating S2 60 min		2 / 9.50 kW
6.2	Lift motor rating at S3 15%		8.60 kW
6.3	Battery according to DIN 43531/35/36 A, B, C		DIN43531 A
6.4	Battery / Batteries capacity		48 V / 575 Ah
6.6	Energy consumption		4.30 kW/h
Miscellaneous			
8.1	Type of drive control		Electronic
8.2	Working hydraulic pressure for attachments		180 Bar
8.3	Oil flow rate for attachments		35 l/min
8.4	Measured/guaranteed mean noise level at the ear of the operator		< 70 dB
8.4	Sound level at the driver's ear according to DIN 12 053		70 dB



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