

Technical sheet :

# **ME 316**

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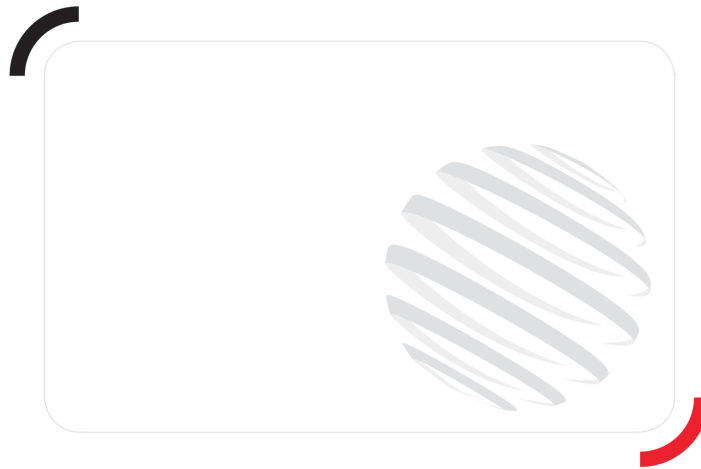


Technical characteristics			Metric	Imperial
1.1	Manufacturer		Manitou	Manitou
1.2	Model Name		ME 316	ME 316
1.3	Power source		Electric	Electric
1.4	Operator type		Seated	Seated
1.5	Max. capacity	Q	1600 kg	3527 lbs
1.6	Load centre of gravity	c	500 mm	19.685 in
1.8	Load distance, centre of drive axle to fork	x	355 mm	13.976 in
1.9	Wheelbase	y	1358 mm	53.465 in
Weight				
2.1	Service Weight		3120 kg	6878 lbs
2.2	Weight on front axle (laden) / rear axle (laden)		4100 kg / 620 kg	9039 lbs / 1367 lbs
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		1440 kg / 1680 kg	3175 lbs / 3704 lbs
Wheels				
3.1	Tyres type		PPS	PPS
3.2	Dimensions of front wheels		18x7-8	18x7-8
3.3	Dimensions of rear wheels		15x4,5-8	15x4,5-8
3.5	Number of front wheels / rear wheels		2 / 1	2 / 1
3.2	Number of drive wheels		2	2
3.6	Front wheel gauge	b10	910 mm	35.827 in
3.7	Rear wheel gauge	b11	175 mm	6.89 in
Dimensions				
4.1	Tilt of Mast Forward (deg) / Backward (deg)	$\alpha / \beta$	5.5 / 6.5	5.5 / 6.5
4.7	Height of overhead guard (cabin)	h6	2040 mm	80.315 in
4.7	Overall height of standard overhead guard	h6	3241 mm	127.598 in
4.8	Seat height/stand height	h7	1000 mm	39.37 in
4.12	Height of towing bar (coupling height)	h10	500 mm	19.685 in
4.19	Overall length	l1	2968 mm	116.85 in
4.20	Length to face of forks	l2	1898 mm	74.724 in
4.21	Overall width	b1	1086 mm	42.756 in
4.22	Forks section / width / length	s / e / l	35 mm x 100 mm / 1070 mm	1.378 in x 3.937 in / 42.126 in
4.23	Fork carriage ISO 2328 (class/form) A/B		FEM 2A	FEM 2A
4.24	Fork carriage width	b3	1000 mm	39.37 in
4.31	Ground clearance below mast	m1	100 mm	3.937 in
4.32	Ground clearance at centre of wheelbase	m2	110 mm	360 ft 11 in
4.33	Aisle width for 1000 x 1200 pallet widthways	Ast	3365 mm	132.48 in
4.35	Turning radius	Wa	1555 mm	61.22 in
Performances				
5.1	Travel speed (laden / unladen)		16 km/h / 18 km/h	9.9 mph / 11.2 mph
5.2	Lifting speed (laden / unladen)		0.4 m/s / 0.47 m/s	1.31 ft/s / 1.54 ft/s
5.3	Lowering speed (laden / unladen)		0.46 m/s / 0.44 m/s	1.51 ft/s / 1.44 ft/s
5.5	Drawbar pull (Laden / Unladen)		750 daN / 772 daN	750 daN / 772 daN
5.7	Gradeability - laden / unladen		16 % / 18 %	16 % / 18 %
5.9	Service brake		Oil bath	Oil bath
Engine				

Engine				
6.1	Drive motor rating S2 60 min		2 x 9.5 kW	2 x 9.5 kW
6.2	Lift motor rating at S3 15%		8.6 kW	8.6 kW
6.3	Battery according to DIN 43531/35/36 A, B, C		DIN43531 A	DIN43531 A
6.4	Battery / Batteries capacity		48 V / 575 Ah	48 V / 575 Ah
6.6	Energy consumption		4.3 kW/h	4.3 kW/h
	Fuel consumption according to VDI cycle		4.3 l/h	4.3 l/h
Miscellaneous				
8.1	Type of drive control		Electronic	Electronic
8.2	Working hydraulic pressure for attachments		180 Bar	12 PSI
8.3	Oil flow rate for attachments		35 l/min	35 l/min
8.4	Measured/guaranteed mean noise level at the ear of the operator		< 70 dB(A)	< 70 dB(A)







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