

Technical sheet :

# ME 315



Technical characteristics			Metric
1.1	Manufacturer		Manitou
1.2	Model Name		ME 315
1.3	Power source		Electrical
1.4	Operator type		Seated
1.5	Max. capacity	Q	1500 kg
1.6	Load center of gravity	c	500 mm
1.8	Load distance, centre of drive axle to fork	x	355 mm
1.9	Wheelbase	y	1250 mm
Weight			
2.1	Service weight		2860 kg
2.2	Weight on front axle (laden) / rear axle (laden)		3600 kg / 560 kg
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		1350 kg / 1510 kg
Wheels			
3.1	Tires type		Solid tires
3.2	Dimensions of front wheels		18 x 7 - 8
3.3	Dimensions of rear wheels		15 x 4.5 - 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			
4.7	Height of overhead guard (cabin)	h6	2040 mm
4.8	Seat height/stand height	h7	1000 mm
4.12	Height of towing bar (coupling height)	h10	500 mm
4.19	Overall length	l1	2860 mm
4.20	Length to face of forks	l2	1790 mm
4.21	Overall width	b1	1086 mm
4.22	Forks section / width / length	s / e / l	100 mm x 1150 mm x 35 mm
4.23	Fork carriage ISO 2328 (class/form) A/B		2A
4.24	Fork carriage width	b3	1000 mm
4.32	Ground clearance at centre of wheelbase	m2	100 mm
4.33	Aisle Width for pallets 1000 x 1200 crossways	Ast	3138 mm
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	3262 mm
4.35	Turning radius	Wa	1452 mm
4.36	Internal turning radius (over tyres)	b13	0 mm
Performances			
5.1	Travel speed (laden / unladen)		16 km/h-16 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-0.45 m/s
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 / 4.50 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 voltage / capacity		48 V / 460 Ah
6.6	Energy consumption according to VDI cycle (kWh/h)		4.30 kWh
Miscellaneous			
8.1	Type of drive control		Electronic
8.2	Working hydraulic pressure for attachments		155 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

## ME 315 - Dimensional drawing







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