Technical sheet :

ME 316 LIFT



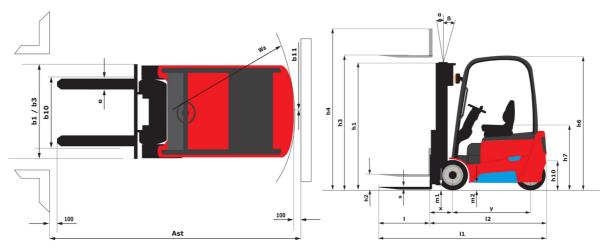


		ME 310 EH 1	oreated
	Technical characteristics		
1.1	Manufacturer		
1.2	Model Name		
1.3	Power source		
1.4	Operator type		
1.5	Max. capacity	Q	
1.6	Load center of gravity	c	
1.8	Load distance, centre of drive axle to fork	x	
1.9	Wheelbase		
1.9	Standard mast reference of the machine	У	
2.1	Weight Service weight		
2.1	-		
	Weight on front axle (laden) / rear axle (laden)		
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		
	Wheels		
3.1	Tires type		
3.2	Dimensions of front wheels		
3.3	Dimensions of rear wheels		
3.5	Number of front wheels / rear wheels		
3.5.2	Number of drive wheels		
3.6	Front wheel gauge	b10	
3.7	Rear wheel gauge	b11	
	Dimensions		
4.7	Height of overhead guard (cabin)	h6	
4.8	Seat height/stand height	h7	
4.12	Height of towing bar (coupling height)	h10	
4.19	Overall length	11	
4.20	Length to face of forks	12	
4.21	Overall width	b1	
4.22.1	Forks width / length	e / I	
4.23	Fork carriage ISO 2328 (class/form) A/B		
4.24	Fork carriage width	b3	
4.31	Ground clearance below mast	m1	
4.32	Ground clearance at centre of wheelbase	m2	
4.33	Aisle Width for pallets 1000 x 1200 crossways	Ast	
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	
4.35	Tuming radius	Wa	
	Performances		
5.1	Travel speed (laden / unladen)		
5.2	Lifting speed (laden / unladen)		
5.3	Lowering speed (laden / unladen)		
5.5	Drawbar pull (Laden / Unladen)		
5.7	Gradeability (laden / unladen)		
5.10	Service brake		
	Engine		
6.1	Drive motor rating S2 60 min		
6.2	Lift motor rating at S3 15%		
6.3	Battery according to DIN 43531/35/36 A, B, C		
6.4	Battery voltage / capacity		
6.5	Battery weight (+/- 5%)		
6.6	Energy consumption according to VDI cycle (kWh/h)		
	Miscellaneous		
8.2	Working hydraulic pressure for attachments		
8.3	Oil flow rate for attachments		
8.4	Sound level at the driver's ear according to DIN 12 053		

ME 316 LIFT Created on June 16, 2025 at 9:23 AM UTC

ManitouME 316 LIFTElectricalSeatedQ1600 kgc500 mmx359.50 mmy1277 mmFVD 30a2940 kg3950 kg / 590 kg1340 kg / 1600 kg2940 kg3950 kg / 590 kg1340 kg / 1600 kg1354,5-82 / 12154,5-82 / 12154,5-82 / 114 mm1571120 mmh10255 mm11276 mm121856 mm13100 mm112A333300 dam14158 kg16 km/h 16 km/h0.45 m/s-0.60 m/s3300 dah / 3900 dam16 km/h16 km/h17 km18 kg13 kg14 kg / 18 kg14 kg / 18 kg14 kg / 18 kg158 kg4.60 kWh/h		Metric
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4.60 kWh/h 185 bar 30 l/min		
185 bar 30 l/min		
30 l/min		
		185 bar
70 dB		30 l/min
		70 dB

ME 316 LIFT - Dimensional drawing



Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)		FVD 30	FVD 33	FVD 40	FVD 45
α - Mast/fork carriage tilt, forward	۰	7	7	7	7
β - Mast/fork carriage tilt, backward	۰	6	6	6	6
h1 - Mast lowered height	mm	1988	2138	2588	2838
h2 - Mast free lift	mm	140	140	140	140
h3 - Mast lifting height	mm	3000	3300	4000	4500
h4 - Mast extended height	mm	3560	3860	4560	5060
Residual capacity at max height	kg	1600	1600	1600	1500
Residual capacity with integrated side shift at max heigth	kg	1550	1550	1550	1450

Free Lift Triplex (FLT)		FLT 40	FLT 45	FLT 50	FLT 55	FLT 60	FLT 65
a - Mast/fork carriage tilt, forward	0	3.50	3.50	3.50	3.50	3.50	3.50
β - Mast/fork carriage tilt, backward	٥	5	5	5	5	5	5
h1 - Mast lowered height	mm	1888	2038	2213	2388	2588	2788
h2 - Mast free lift	mm	1292	1392	1582	1792	1992	2192
h3 - Mast lifting height	mm	4000	4500	5000	5500	6000	6500
h4 - Mast extended height	mm	4552	5052	5552	6052	6552	7052
Residual capacity at max height	kg	1600	1500	1400	1250	1100	900
Residual capacity with integrated side shift at max heigth	kg	1550	1450	1350	1200	1050	850



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