Technical sheet :

# ME 316 LIFT

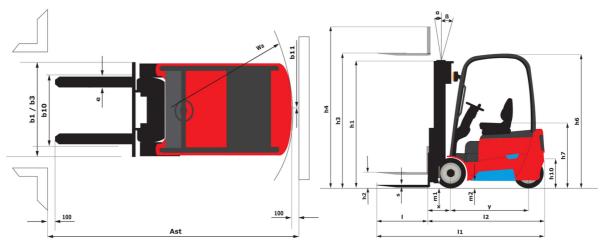




		ME BIO EII I	oreated
	Technical characteristics		
1.1	Manufacturer		
1.2	Model Name		
1.3	Power source		
1.4	Operator type		
1.5	Max. capacity	Q	
1.6	Load center of gravity	ç	
1.8 1.9	Load distance, centre of drive axle to fork Wheelbase	x	
1.9		У	
	Standard mast reference of the machine	_	
2.1	Weight		
2.1	Service weight		
2.2	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	1	
4.20	Length to face of forks	12	
4.21	Overall width	b1	
4.22	Forks section / width / length	s / e / l	
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	Turning 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		
0.110	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 woldage / Capacity Battery weight (+/- 5%)		
6.6	Energy consumption according to VDI cycle (kWh/h)		
0.2	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		

Manitou ME 316 LIFT Electrical - Lithium Seated 1600 kg 500 mm 359.50 mm 1277 mm FVD 30 2940 kg 3950 kg / 590 kg 1340 kg / 1600 kg Solid tires 18x7-8 15x4,5-8 2 / 1 2 914 mm 178 mm 2147 mm 1120 mm 525 mm 2776 mm 1856 mm 1086 mm 35 mm x 100 mm x 920 mm 2A 1000 mm 100 mm 110 mm 3156 mm 3280 mm 1470 mm 16 km/h-16 km/h 0.45 m/s-0.60 m/s 0.46 m/s-0.44 m/s 3300 daN / 3900 daN 16 % / 18 % Hydraulic 2.50 kW 11 kW Lithium 76.80 V / 230 Ah 185 kg 3.80 kWh/h 185 bar 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
$\beta$ - Mast/fork carriage tilt, backward	۰	6	б	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 48	FLT 50	FLT 55	FLT 60	FLT 65
α - Mast/fork carriage tilt, forward	۰	3.50	3.50	6	3.50	3.50	3.50	3.50
β - Mast/fork carriage tilt, backward	٥	5	5	12	5	5	5	5
h1 - Mast lowered height	mm	1888	2038	1978	2213	2388	2588	2788
h2 - Mast free lift	mm	1292	1392	1492	1582	1792	1992	2192
h3 - Mast lifting height	mm	4000	4500	4800	5000	5500	6000	6500
h4 - Mast extended height	mm	4552	5052		5552	6052	6552	7052
Residual capacity at max height	kg	1600	1500	1450	1400	1250	1100	900
Residual capacity with integrated side shift at max heigth	kg	1550	1450	1400	1350	1200	1050	850

### Equipment

Standard
Audio warning on reverse movements
Battery - 35,3kWh - 76,8V - 460Ah - Lithium-ion
Charger - 10kW- 32A - 380V - Lithium-ion - Three-phase
Electric parking brake
LED front right and left working lights (x2)
Load backrest - width : 1200 mm - LB 1200
Overhead guard with glass roof
PVC mechanical suspension seat
Panoramic inner rear view mirror
Rear working light

#### Optional

2 additional front working lights
3 way distributor with levers in line
4 way distributor with levers in line
Battery - 47kWh - 76.8V - 608Ah - Lithium
Charger - 20kW - 32A - 380V - Lithium-ion
Charger - 8kW - 32A - 380V - Lithium-ion
Closed cab
Hydraulic kit 3rd and 4th element
Mini levers
Open cab



Head Office B.P. 249 - 430 rue de l'Aubinière 44150 Ancenis Cedex - France Tel: +33 (0)2 40 09 10 11 - Fax: +33 (0)2 40 09 10 97 www.manitou.com



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