Technical sheet:

# ME 430 LIFT

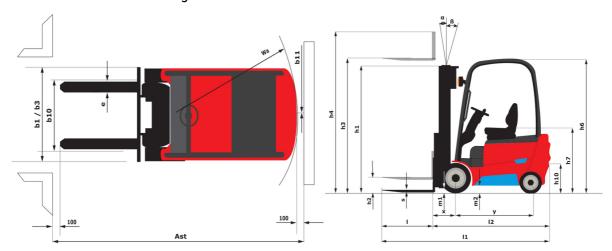






		ME 430 LIFT Created	i on November 1, 2025 at 12:44 AM UT
	Technical characteristics		Metric
1.1	Manufacturer		Manitou
1.2	Model Name		ME 430 LIFT
1.3	Power source		Electrical - Lithium
1.4	Operator type		Seated
1.5	Max. capacity	Q	3000 kg
1.6	Load center of gravity	c	500 mm
1.8	Load distance, centre of drive axle to fork	X	463.50 mm
1.9	Wheelbase	у	1650 mm
	Standard mast reference of the machine	,	FVD 30
	Weight		
2.1	Service weight		4610 kg
2.2	Weight on front axle (laden) / rear axle (laden)		6610 kg / 1000 kg
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		1960 kg / 2650 kg
2.0	Wheels		1700 kg / 2000 kg
3.1	Tires type		Solid tires
3.2	Dimensions of front wheels		23x10-12-18PR
3.3	Dimensions of rear wheels		18x7-8-16PR
3.5	Number of front wheels / rear wheels		2 / 2
3.5.2	Number of triont wheels  Number of drive wheels		2 / 2
3.6	Front wheel gauge	b10	1044 mm
3.7	Rear wheel gauge	b11	960 mm
3.7	Dimensions	DII	900 IIIIII
4.7		h6	2186 mm
4.7	Height of overhead guard (cabin) Seat height/stand height	h7	1155 mm
4.0	-	h10	440 mm
	Height of towing bar (coupling height)	l1	
4.19	Overall length		3522.50 mm
4.20	Length to face of forks	12	2452.50 mm
4.21	Overall width	b1	1298 mm
4.22	Forks section / width / length	s / e / l	45 mm x 122 mm x 1070 mm 3A
4.23	Fork carriage ISO 2328 (class/form) A/B	LO.	
4.24	Fork carriage width	b3	1100 m
4.31	Ground clearance below mast	m1	127 mm
4.32	Ground clearance at centre of wheelbase	m2	115 mm
4.33	Aisle Width for pallets 1000 x 1200 crossways	Ast	3854 mm
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	4053.50 mm
4.35	Turning radius	Wa	2190 mm
F 1	Performances Transferred (Index (unledex)		10 km /h 20 km /h
5.1	Travel speed (laden / unladen)		19 km/h-20 km/h
5.2	Lifting speed (laden / unladen)		0.45 m/s-0.55 m/s
5.3	Lowering speed (laden / unladen)		0.50 m/s-0.53 m/s
5.5	Drawbar pull (Laden / Unladen)		8500 daN / 9500 daN
5.7	Gradeability (laden / unladen)		13 % / 24 %
5.10	Service brake		Hydraulic
	Engine		
6.1	Drive motor rating S2 60 min		20 kW
6.2	Lift motor rating at S3 15%		26 kW
6.3	Battery according to DIN 43531/35/36 A, B, C		Lithium
6.4	Battery voltage / capacity		76.80 V / 460 Ah
6.5	Battery weight (+/- 5%)		310 kg
6.6	Energy consumption according to VDI cycle (kWh/h)		8 kWh/h
	Miscellaneous		
8.2	Working hydraulic pressure for attachments		160 bar
8.3	Oil flow rate for attachments		25 l/min
8.4	Sound level at the driver's ear according to DIN 12 053		70 dB

#### ME 430 LIFT - Dimensional drawing



## Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)		FVD 30	FVD 33	FVD 37	FVD 40	FVD 45
α - Mast/fork carriage tilt, forward °		6	6	6	6	6
β - Mast/fork carriage tilt, backward °		12	12	12	12	6
h1 - Mast lowered height	mm	2007	2157	2407	2607	2857
h2 - Mast free lift	mm	145	145	145	145	145
h3 - Mast lifting height	mm	3000	3300	3700	4000	4500
h4 - Mast extended height	mm	4142	4442	4842	5142	5642
Residual capacity at max height kg		3000	3000	3000	3000	3000
Residual capacity with integrated side shift at max heigth	kg	2900	2900	2900	2900	2900

Free Lift Triplex (FLT)		FLT 40	FLT 45	FLT 48	FLT 50	FLT 55	FLT 60	FLT 65
α - Mast/fork carriage tilt, forward °		6	6	6	6	3	3	3
β - Mast/fork carriage tilt, backward °		6	12	12	6	12	6	6
h1 - Mast lowered height mr		2007	2157	2307	2407	2607	2857	3057
h2 - Mast free lift	mm	865	1015	1165	1265	1465	1715	1915
h3 - Mast lifting height	mm	4000	4500	4800	5000	5500	6000	6500
h4 - Mast extended height	mm	5142	5642	5942	6142	6642	7142	7642
Residual capacity at max height k		3000	3000	2900	2850	2670	2350	2000
Residual capacity with integrated side kg		2900	2900	2800	2750	2570	2250	1900

## **Equipment**

Standard	
Audio warning on reverse movements	
Battery - 35.3kWh - Lithium-ion	
Electric parking brake	
External charger - 10kW AC - Lithium-ion - Three-phase	
LED front right and left working lights (x2)	
Mechanical suspension PVC seat - Grammer MSG65	
Overhead guard - with roof window (Tempered glass)	
Panoramic interior rear view mirror	
Rear working light	

Optional
Battery - 46.7kWh - Lithium-ion
Charger - 20kW - 32A - 380V - Lithium-ion
Closed cab
External charger - 8kW AC - Lithium-ion - Three-phase
Open cab





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