

Technical sheet :

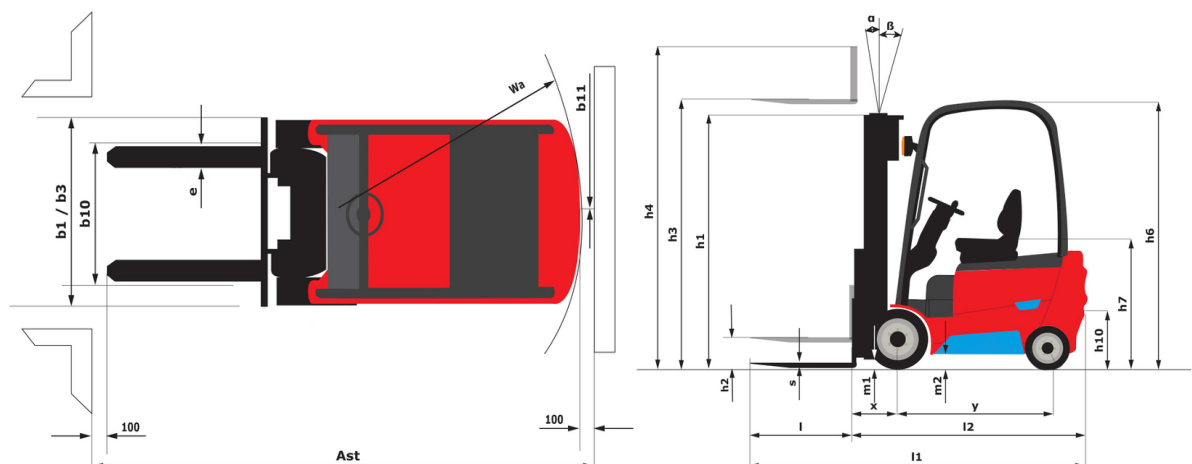
ME 430 LIFT



 **MANITOU**
HANDLING YOUR WORLD

	Technical characteristics		Metric
1.1	Manufacturer		Manitou
1.2	Model Name		ME 430 LIFT
1.3	Power source		Electrical
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	y	1650 mm
	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
	Wheels		
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 drive wheels		2
3.6	Front wheel gauge	b10	1044 mm
3.7	Rear wheel gauge	b11	960 mm
	Dimensions		
4.7	Height of overhead guard (cabin)	h6	2186 mm
4.8	Seat height/stand height	h7	1155 mm
4.2	Mast lowered height	h1	2157 mm
4.3	Mast free lift	h2	1054 mm
4.12	Height of towing bar (coupling height)	h10	440 mm
4.19	Overall length	l1	3522.50 mm
4.20	Length to face of forks	l2	2452.50 mm
4.21	Overall width	b1	1298 mm
4.22.1	Forks width / length	e / l	45 mm x 122 mm
4.23	Fork carriage ISO 2328 (class/form) A/B		3A
4.24	Fork carriage width	b3	1100 mm
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
	Performances		
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		No
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)		8.22 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



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 light
3-way distributor with levers in line
4-way distributor with levers in line
Battery - 76.8V - 608Ah - Lithium-ion
Charger - 20kW - 63A - 380V - Lithium-ion - Three-phase
Charger - 8kW - 16A - 380V - Lithium-ion - Three-phase
Closed cab
Hydraulic kit 3rd and 4th elements
Mini levers
Open cab



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