

Technical sheet :

# ME 435



 **MANITOU**  
HANDLING YOUR WORLD

Technical characteristics		Metric	
1.1	Manufacturer		Manitou
1.2	Model Name		ME 435
1.3	Power source		Electrical
1.4	Operator type		Seated
1.5	Max. capacity	Q	3500 kg
1.6	Load center of gravity	c	500 mm
1.8	Load distance, centre of drive axle to fork	x	445 mm
1.9	Wheelbase	y	1750 mm
	Standard mast reference of the machine		FLT 60
Weight			
2.1	Service weight		5550 kg
2.2	Weight on front axle (laden) / rear axle (laden)		8050 kg / 1000 kg
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		2720 kg / 2830 kg
Wheels			
3.1	Tires type		Solid tires
3.2	Dimensions of front wheels		23 x 10 -12
3.3	Dimensions of rear wheels		200/50 - 10
3.5	Number of front wheels / rear wheels		2 / 2
3.5.2	Number of drive wheels		2
3.6	Front wheel gauge	b10	1085 mm
3.7	Rear wheel gauge	b11	960 mm
Dimensions			
4.7	Height of overhead guard (cabin)	h6	2240 mm
4.8	Seat height/stand height	h7	1190 mm
4.12	Height of towing bar (coupling height)	h10	625 mm
4.19	Overall length	l1	3650 mm
4.20	Length to face of forks	l2	2500 mm
4.21	Overall width	b1	1315 mm
4.22	Forks section / width / length	s / e / l	50 mm x 122 mm x 1150 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	112 mm
4.32	Ground clearance at centre of wheelbase	m2	115 mm
4.33	Aisle Width for pallets 1000 x 1200 crossways	Ast	4045 mm
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	4245 mm
4.35	Turning radius	Wa	2400 mm
4.36	Internal turning radius (over tyres)	b13	730 mm
Performances			
5.1	Travel speed (laden / unladen)		19 km/h-20 km/h
5.2	Lifting speed (laden / unladen)		0.39 m/s-0.54 m/s
5.3	Lowering speed (laden / unladen)		0.47 m/s-0.42 m/s
5.5	Drawbar pull (Laden / Unladen)		1690 daN / 1700 daN
5.7	Gradeability (laden / unladen)		12 % / 18 %
5.10	Service brake		Oil bath
Engine			
6.1	Drive motor rating S2 60 min		18.50 kW
6.2	Lift motor rating at S3 15%		25.40 kW
6.3	Battery according to DIN 43531/35/36 A, B, C		DIN43536 A
6.4	Battery voltage / capacity		80 V / 700 Ah
6.6	Energy consumption according to VDI cycle (kWh/h)		12.50 kWh/h
Miscellaneous			
8.1	Type of drive control		Electronic
8.2	Working hydraulic pressure for attachments		210 bar
8.3	Oil flow rate for attachments		65 l/min
8.4	Measured/guaranteed mean noise level at the ear of the operator		< 74 dB

## ME 435 - Dimensional drawing







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