

Technical sheet :

# ME 425C



 **MANITOU**  
HANDLING YOUR WORLD

Technical characteristics		Metric	
1.1	Manufacturer		Manitou
1.2	Model Name		ME 425C
1.3	Power source		Electrical - Lead
1.4	Operator type		Seated
1.5	Max. capacity	Q	2500 kg
1.6	Load center of gravity	c	500 mm
1.8	Load distance, centre of drive axle to fork	x	448 mm
1.9	Wheelbase	y	1485 mm
Weight			
2.1	Service weight		4300 kg
2.2	Weight on front axle (laden) / rear axle (laden)		6060 kg / 740 kg
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		1960 kg / 2340 kg
Wheels			
3.1	Tires type		Solid tires
3.2	Dimensions of front wheels		23 x 9-10
3.3	Dimensions of rear wheels		18 x 7-8
3.5	Number of front wheels / rear wheels		2 / 2
3.5.2	Number of drive wheels		2
3.6	Front wheel gauge	b10	1058 mm
3.7	Rear wheel gauge	b11	960 mm
Dimensions			
4.8	Seat height/stand height	h7	1070 mm
4.7	Height of overhead guard (cabin)	h6	2155 mm
4.12	Height of towing bar (coupling height)	h10	303 mm
4.19	Overall length	l1	3492 mm
4.20	Length to face of forks	l2	2342 mm
4.21	Overall width	b1	1265 mm
4.22	Forks section / width / length	s / e / l	122 mm x 1150 mm x 40 mm
4.23	Fork carriage ISO 2328 (class/form) A/B		2A
4.24	Fork carriage width	b3	1038 mm
4.31	Ground clearance below mast	m1	112 mm
4.32	Ground clearance at centre of wheelbase	m2	120 mm
4.33	Aisle Width for pallets 1000 x 1200 crossways	Ast	3738 mm
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	3938 mm
4.35	Turning radius	Wa	2090 mm
4.36	Internal turning radius (over tyres)	b13	730 mm
Performances			
5.1	Travel speed (laden / unladen)		14 km/h-14 km/h
5.2	Lifting speed (laden / unladen)		0.23 m/s-0.43 m/s
5.3	Lowering speed (laden / unladen)		0.41 m/s-0.22 m/s
5.5	Drawbar pull (Laden / Unladen)		1800 daN / 1700 daN
5.7	Gradeability (laden / unladen)		11 % / 12 %
5.10	Service brake		Hydraulic
Engine			
6.1	Drive motor rating S2 60 min		11 kW
6.2	Lift motor rating at S3 15%		8.60 kW
6.3	Battery according to DIN 43531/35/36 A, B, C		DIN43531 B
6.4	Battery voltage / capacity		48 V / 700 Ah
6.6	Energy consumption according to VDI cycle (kWh/h)		5.80 kWh/h
Miscellaneous			
8.1	Type of drive control		Electronic
8.2	Working hydraulic pressure for attachments		175 bar
8.3	Oil flow rate for attachments		35 l/min
8.4	Measured/guaranteed mean noise level at the ear of the operator		< 72 dB
8.4	Sound level at the driver's ear according to DIN 12 053		72 dB

## ME 425C - Dimensional drawing







**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](http://www.manitou.com)



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