

Technical sheet :

ME 425C US



 **MANITOU**
HANDLING YOUR WORLD

Technical characteristics		Imperial	
1.1	Manufacturer		Manitou
1.2	Model Name		ME 425C US
1.3	Power source		Electrical
1.4	Operator type		Seated
1.5	Max. capacity	Q	5512 lb
1.6	Load center of gravity	c	20 in
1.8	Load distance, centre of drive axle to fork	x	18 in
1.9	Wheelbase	y	58 in
Weight			
2.1	Service weight		9480 lb
2.2	Weight on front axle (laden) / rear axle (laden)		13360 lb / 1631 lb
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		4321 lb / 5159 lb
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	42 in
3.7	Rear wheel gauge	b11	38 in
Dimensions			
4.7	Height of overhead guard (cabin)	h6	85 in
4.8	Seat height/stand height	h7	42 in
4.12	Height of towing bar (coupling height)	h10	12 in
4.19	Overall length	l1	137 in
4.20	Length to face of forks	l2	92 in
4.21	Overall width	b1	50 in
4.22	Forks section / width / length	s / e / l	5 in x 45 in x 2 in
4.23	Fork carriage ISO 2328 (class/form) A/B		2A
4.24	Fork carriage width	b3	41 in
4.31	Ground clearance below mast	m1	4 in
4.32	Ground clearance at centre of wheelbase	m2	5 in
4.33	Aisle Width for pallets 1000 x 1200 crossways	Ast	147 in
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	155 in
4.35	Turning radius	Wa	82 in
4.36	Internal turning radius (over tyres)	b13	29 in
Performances			
5.1	Travel speed (laden / unladen)		9 mph-9 mph
5.2	Lifting speed (laden / unladen)		0.75 ft/s-1 ft/s
5.3	Lowering speed (laden / unladen)		1 ft/s-0.72 ft/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
Miscellaneous			
8.1	Type of drive control		Electronic
8.2	Working hydraulic pressure for attachments		2538 PSI
8.3	Oil flow rate for attachments		9 US gpm
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 US - Dimensional drawing





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