

Technical sheet :

ME 425 LD LIFT



 **MANITOU**
HANDLING YOUR WORLD

	Technical characteristics		Metric
1.1	Manufacturer		Manitou
1.2	Model Name		ME 425 LD LIFT
1.3	Power source		Electrical
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	431 mm
1.9	Wheelbase	y	1520 mm
	Weight		
2.1	Service weight		3830 kg
2.2	Weight on front axle (laden) / rear axle (laden)		5575 kg / 755 kg
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		1560 kg / 2270 kg
	Wheels		
3.1	Tires type		Solid tires
3.2	Dimensions of front wheels		23x9-10-18PR
3.3	Dimensions of rear wheels		18X7-8-14PR
3.5	Number of front wheels		2
3.5.2	Number of drive wheels		2
3.6	Front wheel gauge	b10	1046 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	2450 mm
4.3	Mast free lift	h2	1404 mm
4.12	Height of towing bar (coupling height)	h10	440 mm
4.19	Overall length	l1	3357 mm
4.20	Length to face of forks	l2	2287 mm
4.21	Overall width	b1	1271 mm
4.22.1	Forks width / length	e / l	40 mm x 122 mm
4.23	Fork carriage ISO 2328 (class/form) A/B		2A
4.24	Fork carriage width	b3	1038 mm
4.32	Ground clearance at centre of wheelbase	m2	115 mm
4.33	Aisle Width for pallets 1000 x 1200 crossways	Ast	3670 mm
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	3866 mm
4.35	Turning radius	Wa	2035 mm
	Performances		
5.1	Travel speed (laden / unladen)		16 km/h-17 km/h
5.2	Lifting speed (laden / unladen)		0.35 m/s-0.46 m/s
5.3	Lowering speed (laden / unladen)		0.51 m/s-0.54 m/s
5.5	Drawbar pull (Laden / Unladen)		6000 daN / 6500 daN
5.7	Gradeability (laden / unladen)		10 % / 18 %
5.10	Service brake		Hydraulic
	Engine		
6.1	Drive motor rating S2 60 min		17 kW
6.2	Lift motor rating at S3 15%		23 kW
6.3	Battery according to DIN 43531/35/36 A, B, C		No
6.4	Battery voltage / capacity		76.80 V / 230 Ah
6.5	Battery weight (+/- 5%)		180 kg
6.6	Energy consumption according to VDI cycle (kWh/h)		5.80 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 425 LD LIFT - Dimensional drawing





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