

Technical sheet :

MI 55 D ST5



	Technical characteristics		Metric
1.1	Manufacturer		MANITOU
1.2	Model Name		MI 55 D ST5
1.3	Power source		Diesel
1.4	Operator type		Sitting
1.5	Max. capacity	Q	5500 kg
1.6	Load centre of gravity	c	500 mm
1.8	Load distance, centre of drive axle to fork	x	585 mm
1.9	Wheelbase	y	2150 mm
	Weight		
2.1	Service weight		7250 kg
2.2	Weight on front axle (laden) / rear axle (laden)		11000 kg / 1750 kg
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		3300 kg / 3950 kg
	Wheels		
3.1	Tyres type		Super Elastic
3.2	Dimensions of front wheels		300-15 18PR
3.3	Dimensions of rear wheels		7.00-12 12PR
3.5	Number of front wheels / rear wheels		2 / 2
3.5.2	Number of drive wheels		2
3.6	Front wheel gauge	b10	1190 mm
3.7	Rear wheel gauge	b11	1130 mm
	Dimensions		
4.1	Tilt of Mast Forward (deg) / Backward (deg)	α / β	6 / 12
4.12	Height of towing bar (coupling height)	h10	445 mm
4.19	Overall length	l1	4530 mm
4.20	Length to face of forks	l2	3330 mm
4.21	Overall width	b1	1490 mm
4.21	Overall width - Single wheels	b1	1490 mm
4.21	Overall width - Twinned wheels	b1	1940 mm
4.22	Forks section / width / length	s / e / l	60 mm x 150 mm / 1220 mm
4.23	Fork carriage ISO 2328 (class/form) A/B		FEM 4A
4.24	Fork carriage width	b3	1250 mm
4.31	Ground clearance below mast	m1	170 mm
4.32	Ground clearance at centre of wheelbase	m2	230 mm
4.33	Aisle Width for pallets 1000 x 1200 crossways	Ast	4755 mm
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	4555 mm
4.35	Turning radius	Wa	2970 mm
4.36	Internal turning radius (over tyres)	b13	130 mm
4.7	Height of overhead guard (cabin)	h6	2390 mm
4.8	Seat height/stand height	h7	1370 mm
	Performances		
5.1	Travel speed (laden / unladen)		13 km/h / 22 km/h
5.2	Lifting speed (laden / unladen)		0.43 m/s / 0.46 m/s
5.3	Lowering speed (laden / unladen)		0.50 m/s / 0.50 m/s
5.7	Gradeability (laden / unladen)		20 % / 20 %
5.10	Service brake		Hydraulic
	Engine		
7.1	Engine brand / model / norm		Deutz / TCD2.9L4 / Stage V
7.2	Engine power according to ISO 1585		55.40 kW
7.3	Rated speed		2200 rpm
7.4	Number of cylinders / Capacity of cylinders		4 - 2920 cm ³
	Miscellaneous		
8.2	Working hydraulic pressure for attachments		190 bar
8.3	Oil flow rate for attachments		50 l/min
8.4	Measured/guaranteed mean noise level at the ear of the operator		< 84 dB



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