

Technical sheet :

MI 40 D ST5



	Technical characteristics		Metric
1.1	Manufacturer		MANITOU
1.2	Model Name		MI 40 D ST5
1.3	Power source		Diesel
1.4	Operator type		Seated
1.5	Max. capacity	Q	4000 kg
1.6	Load centre of gravity	c	500 mm
1.8	Load distance, centre of drive axle to fork	x	550 mm
1.9	Wheelbase	y	2000 mm
	Weight		
2.1	Service weight		6430 kg
2.2	Weight on front axle (laden) / rear axle (laden)		9330 kg / 1100 kg
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		3000 kg / 3430 kg
	Wheels		
3.1	Tyres type		Super Elastic
3.2	Dimensions of front wheels		8.25-15 14PR
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	1160 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	4285 mm
4.20	Length to face of forks	l2	3065 mm
4.21	Overall width - Single wheels	b1	1395 mm
4.21	Overall width - Twinned wheels	b1	1940 mm
4.22	Forks section / width / length	s / e / l	50 mm x 122 mm / 1220 mm
4.23	Fork carriage ISO 2328 (class/form) A/B		FEM 3A
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	4530 mm
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	4330 mm
4.35	Turning radius	Wa	2780 mm
4.36	Internal turning radius (over tyres)	b13	135 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 / 23 km/h
5.2	Lifting speed (laden / unladen)		0.49 m/s / 0.52 m/s
5.3	Lowering speed (laden / unladen)		0.50 m/s / 0.50 m/s
5.5	Drawbar pull (Laden / Unladen)		3800 daN / 2000 daN
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		90 l/min
8.4	Measured/guaranteed mean noise level at the ear of the operator		< 89 dB



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