

Technical sheet :

# **MI 35 D**

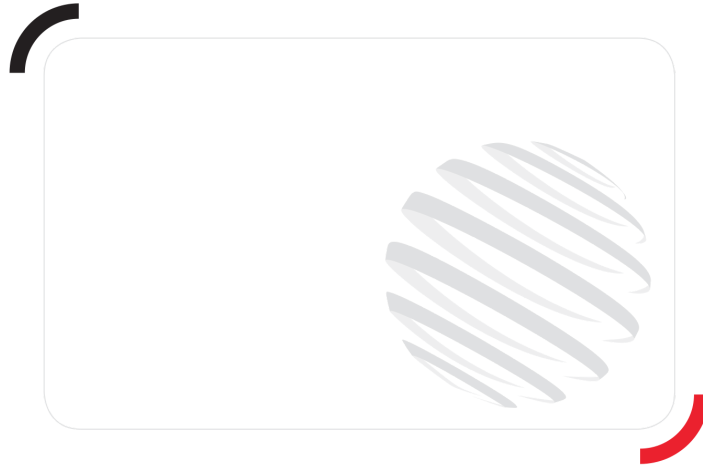
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	Technical characteristics		Metric
1.1	Manufacturer		Manitou
1.2	Model Name		MI 35 D
1.3	Power source		Diesel
1.4	Operator type		Seated
1.5	Max. capacity	Q	3500 kg
1.6	Load centre of gravity	c	500 mm
1.8	Load distance, centre of drive axle to fork	x	485 mm
1.9	Wheelbase	y	1700 mm
	<b>Weight</b>		
2.1	Service weight		4860 kg
2.2	Weight on front axle (laden) / rear axle (laden)		7360 kg / 1000 kg
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		1825 kg / 3035 kg
	<b>Wheels</b>		
3.1	Tyres type		PPS
3.2	Dimensions of front wheels		28-9-1512
3.3	Dimensions of rear wheels		6.50-10 10
3.5	Number of front wheels / rear wheels		2 / 2
3.5.2	Number of drive wheels		2
3.6	Front wheel gauge	b10	1005 mm
3.7	Rear wheel gauge	b11	975 mm
	<b>Dimensions</b>		
4.1	Tilt of Mast Forward (deg) / Backward (deg)	$\alpha / \beta$	6 / 12
4.7	Height of overhead guard (cabin)	h6	2130 mm
4.8	Seat height/stand height	h7	1215 mm
4.12	Height of towing bar (coupling height)	h10	360 mm
4.19	Overall length	l1	3935 mm
4.20	Length to face of forks	l2	2785 mm
4.21	Overall width	b1	1225 mm
4.22	Forks section / width / length	s / e / l	50 mm x 122 mm / 1150 mm
4.23	Fork carriage ISO 2328 (class/form) A/B		3A
4.24	Fork carriage width	b3	1100 mm
4.31	Ground clearance below mast	m1	130 mm
4.32	Ground clearance at centre of wheelbase	m2	200 mm
4.33	Aisle width for 1000 x 1200 pallet widthways	Ast	4195 mm
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	4395 mm
4.36	Internal turning radius (over tyres)	b13	160 mm
	<b>Performances</b>		
5.1	Travel speed (laden / unladen)		18 km/h / 18.5 km/h
5.2	Lifting speed (laden / unladen)		0.39 m/s / 0.4 m/s
5.3	Lowering speed (laden / unladen)		0.4 m/s / 0.35 m/s
5.5	Drawbar pull (Laden / Unladen)		1830 daN / 1520 daN
5.7	Gradeability (laden / unladen)		18 % / 20 %
5.10	Service brake		Hydraulic
	<b>Engine</b>		
7.1	Engine brand / model / norm		Yanmar / 4TNV94L-BXPHZ / Stage III A
7.2	Engine power according to ISO 1585		35 kW
7.3	Rated speed		2400 rpm
7.4	Number of cylinders / Capacity of cylinders		4 - 3054 cm <sup>3</sup>
7.5	Fuel consumption according to VDI cycle		3.56 l/h
	<b>Miscellaneous</b>		
8.2	Working hydraulic pressure for attachments		160 Bar
8.3	Oil flow rate for attachments		69 l/min
8.4	Measured/guaranteed mean noise level at the ear of the operator		< 84 dB(A)



Free Lift Triplex		FLT 43	FLT 45	FLT 47	FLT 48	FLT 50	FLT 55	FLT 60	FLT 65
Height at max capacity with integrated sideshift	mm	4000	4000	4000					
Residual capacity without attachment (Industrial load chart)	kg	3450	3400	3300	3300	3000	2200	1600	1500
Residual capacity with integrated side shift (Industrial load chart)	kg	3450	3300	3200	3200	2900	2100	1500	1400
Height at max capacity Fork positioner + DL	mm	4000	4000						



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