

Technical sheet :

# **MI 50 D US**

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 **MANITOU**  
HANDLING YOUR WORLD

	Technical characteristics		Imperial
1.1	Manufacturer		Manitou
1.2	Model Name		MI 50 D US
1.3	Power source		Diesel
1.4	Operator type		Seated
1.5	Max. capacity	Q	11023 lb
1.6	Load center of gravity	c	20 in
1.8	Load distance, centre of drive axle to fork	x	22 in
1.9	Wheelbase	y	85 in
	Standard mast reference of the machine		FVD 30
	Weight		
2.1	Service weight		14991 lb
2.2	Weight on front axle (laden) / rear axle (laden)		23038 lb / 2976 lb
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		6614 lb / 8378 lb
	Wheels		
3.1	Tires type		Pneumatic
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	47 in
3.7	Rear wheel gauge	b11	44 in
	Dimensions		
4.7	Height of overhead guard (cabin)	h6	94 in
4.8	Seat height/stand height	h7	54 in
4.12	Height of towing bar (coupling height)	h10	18 in
4.19	Overall length	l1	176 in
4.20	Length to face of forks	l2	128 in
4.21	Overall width	b1	59 in
4.21	Overall width - Single wheels	b1	59 in
4.22	Forks section / width / length	s / e / l	2 in x 6 in x 48 in
4.23	Fork carriage ISO 2328 (class/form) A/B		3A
4.24	Fork carriage width	b3	49 in
4.31	Ground clearance below mast	m1	7 in
4.32	Ground clearance at centre of wheelbase	m2	9 in
4.33	Aisle Width for pallets 1000 x 1200 crossways	Ast	189 in
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	194 in
4.35	Turning radius	Wa	115 in
4.36	Internal turning radius (over tyres)	b13	5 in
	Performances		
5.1	Travel speed (laden / unladen)		14 mph-15 mph
5.2	Lifting speed (laden / unladen)		1 ft/s-1 ft/s
5.3	Lowering speed (laden / unladen)		2 ft/s-2 ft/s
5.5	Drawbar pull (Laden / Unladen)		4000 daN / 2100 daN
5.7	Gradeability (laden / unladen)		31 % / 34 %
5.10	Service brake		Hydraulic
	Transmission type		Torque converter
	Engine		
7.1	Engine brand / model / norm		Cummins / QS2.8T4F / Tier 4 final
7.2	I.C. Engine power rating		55 kW
7.3	Rated speed		2600 rpm
7.4	Number of cylinders / Capacity of cylinders		4 - 171 in³
	Miscellaneous		
8.2	Working hydraulic pressure for attachments		2321 PSI
8.3	Oil flow rate for attachments		24 US gpm
8.4	Measured/guaranteed mean noise level at the ear of the operator		< 84 dB
8.4	Sound level at the driver's ear according to DIN 12 053		84 dB

## MI 50 D US - Dimensional drawing



[illegible]



**Head Office**

B.P. 249 - 430 rue de l'Aubinière

44150 Ancenis Cedex - France

Tel: +33 (0)2 40 09 10 11 - Fax: +33 (0)2 40 09 10 97

[www.manitou.com](http://www.manitou.com)



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