

Technical sheet :

MI 20 D



 **MANITOU**
HANDLING YOUR WORLD

	Technical characteristics		Imperial
1.1	Manufacturer		Manitou
1.2	Model Name		MI 20 D
1.3	Power source		Diesel
1.4	Operator type		Sitting
1.5	Max. capacity	Q	4409 lb
1.6	Load center of gravity	c	20 in
1.8	Load distance, centre of drive axle to fork	x	18 in
1.9	Wheelbase	y	63 in
	Weight		
2.1	Service weight		8212 lb
2.2	Weight on front axle (laden) / rear axle (laden)		11034 lb / 1587 lb
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		3891 lb / 4321 lb
	Wheels		
3.1	Tires type		PPS
3.2	Dimensions of front wheels		7.00-12 12
3.3	Dimensions of rear wheels		6.00-9 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	38 in
3.7	Rear wheel gauge	b11	38 in
	Dimensions		
4.7	Height of overhead guard (cabin)	h6	83 in
4.8	Seat height/stand height	h7	47 in
4.12	Height of towing bar (coupling height)	h10	14 in
4.19	Overall length	l1	142 in
4.20	Length to face of forks	l2	97 in
4.21	Overall width	b1	45 in
4.21	Overall width - Single wheels	b1	45 in
4.22	Forks section / width / length	s / e / l	2 in x 5 in x 45 in
4.23	Fork carriage ISO 2328 (class/form) A/B		2A
4.24	Fork carriage width	b3	41 in
4.31	Ground clearance below mast	m1	5 in
4.32	Ground clearance at centre of wheelbase	m2	7 in
4.33	Aisle Width for pallets 1000 x 1200 crossways	Ast	152 in
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	160 in
4.35	Turning radius	Wa	87 in
4.36	Internal turning radius (over tyres)	b13	6 in
	Performances		
5.1	Travel speed (laden / unladen)		11 mph-11 mph
5.2	Lifting speed (laden / unladen)		2 ft/s-2 ft/s
5.3	Lowering speed (laden / unladen)		2 ft/s-2 ft/s
5.5	Drawbar pull (Laden / Unladen)		1690 daN / 1230 daN
5.7	Gradeability (laden / unladen)		20 % / 20 %
5.10	Service brake		Hydraulic
	Engine		
6.4	Battery voltage		0 V
7.1	Engine brand / model		Yanmar / 4TNV94L-BXPHZ
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 - 186 in³
	Miscellaneous		
8.2	Working hydraulic pressure for attachments		2321 PSI
8.3	Oil flow rate for attachments		18 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 20 D - Dimensional drawing



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