

Technical sheet :

# **MI-X 18 D**

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 **MANITOU**  
HANDLING YOUR WORLD

Technical characteristics		Metric	
1.1	Manufacturer		MANITOU
1.2	Model Name		MI-X 18 D
1.3	Power source		Diesel
1.4	Operator type		Seated
1.5	Max. capacity	Q	1800 kg
1.6	Load center of gravity	c	500 mm
1.8	Load distance, centre of drive axle to fork	x	405 mm
1.9	Wheelbase	y	1420 mm
Weight			
2.1	Service weight		3100 kg
2.2	Weight on front axle (laden) / rear axle (laden)		4260 kg / 640 kg
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		1315 kg / 1785 kg
Wheels			
3.1	Tires type		Solid tires
3.2	Dimensions of front wheels		6.50-10 10
3.3	Dimensions of rear wheels		5.00-8 8
3.5	Number of front wheels / rear wheels		2 / 2
3.6	Front wheel gauge	b10	900 mm
3.7	Rear wheel gauge	b11	920 mm
Dimensions			
4.8	Seat height/stand height	h7	1160 mm
4.7	Height of overhead guard (cabin)	h6	2090 mm
4.12	Height of towing bar (coupling height)	h10	315 mm
4.19	Overall length	l1	3350 mm
4.20	Length to face of forks	l2	2280 mm
4.21	Overall width	b1	1080 mm
4.21	Overall width - Single wheels	b1	1080 mm
4.22	Forks section / width / length	s / e / l	35 mm x 100 mm x 1150 mm
4.23	Fork carriage ISO 2328 (class/form) A/B		2A
4.24	Fork carriage width	b3	1000 mm
4.31	Ground clearance below mast	m1	115 mm
4.32	Ground clearance at centre of wheelbase	m2	150 mm
4.33	Aisle Width for pallets 1000 x 1200 crossways	Ast	3615 mm
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	3815 mm
4.35	Turning radius	Wa	2010 mm
4.36	Internal turning radius (over tyres)	b13	55 mm
Performances			
5.1	Travel speed (laden / unladen)		18.60 km/h-19.30 km/h
5.2	Lifting speed (laden / unladen)		0.50 m/s-0.55 m/s
5.3	Lowering speed (laden / unladen)		0.50 m/s-0.55 m/s
5.5	Drawbar pull (Laden / Unladen)		1440 daN / 795 daN
5.7	Gradeability (laden / unladen)		20 % / 20 %
5.10	Service brake		Hydraulic
	Transmission type		Torque converter
Engine			
7.1	Engine brand / model / norm		Yanmar / 4TNE92-HR/J / Stage IIIA
7.2	Engine power (Hp / kW)		45 Hp/32.80 kW
7.3	Rated speed		2450 rpm
7.4	Number of cylinders / Capacity of cylinders		4 - 2659 cm³
Miscellaneous			
8.2	Working hydraulic pressure for attachments		160 bar
8.3	Oil flow rate for attachments		56 l/min
8.4	Measured/guaranteed mean noise level at the ear of the operator		< 86 dB
8.4	Sound level at the driver's ear according to DIN 12 053		86 dB

### MI-X 18 D - Dimensional drawing







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