Technical sheet :





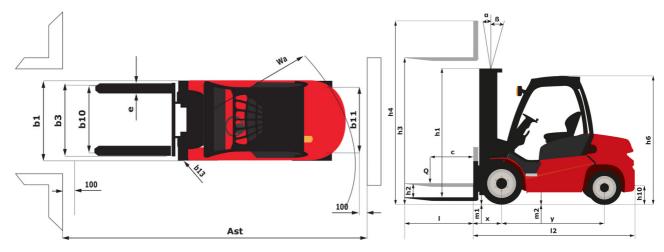


	Technical characteristics
1.1	Manufacturer
1.2	Model Name
1.2	
	Power source
1.4	Operator type
1.5	Max. capacity
1.6	Load center of gravity
1.8	Load distance, centre of drive axle to fork
1.9	Wheelbase
	Weight
2.1	Service weight
2.2	Weight on front axle (laden) / rear axle (laden)
2.3	Weight on front axle (Unladen) / rear axle (Unladen)
	Wheels
3.1	Tires type
3.2	Dimensions of front wheels
8.3	Dimensions of rear wheels
3.5	Number of front wheels / rear wheels
.5.2	Number of drive wheels
3.6	Front wheel gauge
3.7	Rear wheel gauge
	Dimensions
4.7	Height of overhead guard (cabin)
4.8	Seat height/stand height
.12	Height of towing bar (coupling height)
.19	Overall length
1.20	Length to face of forks
1.21	Overall width
.21	Overall width - Single wheels
.22	Forks section / width / length
4.24	Fork carriage width
.31	Ground clearance below mast
.32	Ground clearance at centre of wheelbase
.33	Aisle Width for pallets 1000 x 1200 crossways
.34	Aisle width for 800 x 1200 pallet lengthways
.35	Turning radius
.36	Internal turning radius (over tyres)
	Performances
5.1	Travel speed (laden / unladen)
5.2	Lifting speed (laden / unladen)
5.3	Lowering speed (laden / unladen)
5.5	Drawbar pull (Laden / Unladen)
5.7	Gradeability (laden / unladen)
5.10	Service brake
	Transmission type
	Engine
.1	Engine brand / model / norm
.2	I.C. Engine power rating
7.3	Rated speed
7.4	Number of cylinders / Capacity of cylinders
	Miscellaneous
8.2	Working hydraulic pressure for attachments
8.3	Oil flow rate for attachments
8.4	Measured/guaranteed mean noise level at the ear of the operator

## MI-X 100 D Created on June 16, 2025 at 4:05 PM UTC

	Metric
	Manitou
	MI-X 100 D
	Diesel
	Seated
	10000 kg
	600 mm
	732 mm
	2800 mm
	13590 kg
	21330 kg / 2560 kg
	6430 kg / 7160 kg
	Pneumatic
	9.00-20-14PR
	9.00-20-14PR
	4 / 2
	4
	1628 mm
	1700 mm
	2580 mm
	1505 mm
	505 mm
	5742 mm
	4242 mm
	2165 mm
	2165 mm
	80 mm x 160 mm x 1520 mm
	2044 mm
	190 mm
	339 mm
	5973 mm
	6134 mm
	3940 mm
	1396 mm
	1070 1111
	26 km/h-31 km/h
	0.32 m/s-0.35 m/s
	0.45 m/s-0.36 m/s
	8300 daN / 5400 daN
	44 % / 44 %
	44 % / 44 % Hydraulic
	Hydraulic
1	
	Hydraulic Torque converter
	Hydraulic Torque converter Cummins / QSB4,5 / Stage IIIA
	Hydraulic Torque converter Cummins / QSB4,5 / Stage IIIA 82 kW
	Hydraulic Torque converter Cummins / QSB4,5 / Stage IIIA 82 kW 2200 rpm
	Hydraulic Torque converter Cummins / QSB4,5 / Stage IIIA 82 kW
	Hydraulic Torque converter Cummins / QSB4,5 / Stage IIIA 82 kW 2200 rpm 4 - 4500 cm³
	Hydraulic Torque converter Cummins / QSB4,5 / Stage IIIA 82 kW 2200 rpm 4 - 4500 cm³ 195 bar
	Hydraulic Torque converter Cummins / QSB4,5 / Stage IIIA 82 kW 2200 rpm 4 - 4500 cm <sup>3</sup>

## MI-X 100 D - Dimensional drawing



## Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)		FVD 30	FVD 33	FVD 36	FVD 40	FVD 45	FVD 50
a - Mast/fork carriage tilt, forward	٥	6	б	6	б	6	6
β - Mast/fork carriage tilt, backward	٥	12	12	12	12	6	6
h1 - Mast lowered height	mm	2850	3000	3150	3350	3650	3900
h2 - Mast free lift	mm	200	200	200	200	200	200
h3 - Mast lifting height	mm	3000	3300	3600	4000	4500	5000
h4 - Mast extended height	mm	4555	4855	5155	5555	6055	6555
Residual capacity at max height	kg	10000	10000	10000	10000	10000	10000
Height at max capacity	mm	3000	3300	3600	4000	4500	5000

Free Lift Triplex (FLT)		FLT 45	FLT 48	FLT 50	FLT 55	FLT 60
α - Mast/fork carriage tilt, forward	٥	6	б	б	3	3
$\beta$ - Mast/fork carriage tilt, backward	٥	6	6	6	6	6
h1 - Mast lowered height	mm	2850	2850	3050	3200	3350
h2 - Mast free lift	mm	1305	1405	1505	1655	1805
h3 - Mast lifting height	mm	4500	4800	5000	5500	6000
h4 - Mast extended height	mm	6055	6355	6555	7055	7555
Residual capacity at max height	kg	8500	8500	8200	7700	7000
Height at max capacity	mm	4500	4800	5000	5500	6000



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