Technical sheet :



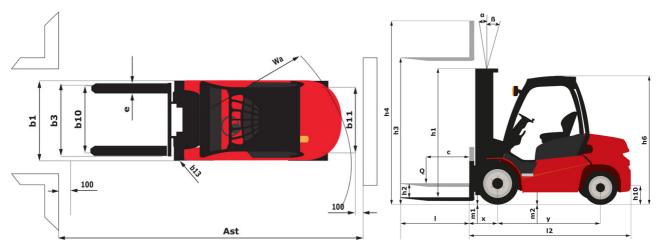




	Technical characteristics	
1.1	Manufacturer	
1.2	Model Name	
1.3	Power source	
1.4	Operator type	
1.5	Max. capacity	Q
1.6	Load center of gravity	c
1.8	Load distance, centre of drive axle to fork	x
1.9	Wheelbase	у
	Weight	,
2.1	Service weight	
2.2	Weight on front axle (laden) / rear axle (laden)	
	Wheels	
3.1	Tires type	
3.2	Dimensions of front wheels	
3.3	Dimensions of rear wheels	
3.5	Number of front wheels / rear wheels	
3.5.2	Number of drive wheels	
3.6	Front wheel gauge	b10
3.7	Rear wheel gauge	b10
5.7	Dimensions	BIT
4.7	Height of overhead guard (cabin)	h6
4.7	Seat height/stand height	h7
4.0	Height of towing bar (coupling height)	h10
4.12	Overall length	11
4.19	Length to face of forks	12
4.20	Overall width	b1
4.21	Overall width - Single wheels	b1
4.21	Forks section / width / length	s/e/l
4.22	Fork carriage ISO 2328 (class/form) A/B	s/e/1
4.23	Ground clearance below mast	
4.31		m1
4.32	Ground clearance at centre of wheelbase	m2 Ast
	Aisle Width for pallets 1000 x 1200 crossways	
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast
4.36	Internal turning radius (over tyres)	b13
5.1	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	
7.4	Engine	
7.1	Engine brand / model / norm	
7.2	I.C. Engine power rating	
7.3	Rated speed	
7.4	Number of cylinders / Capacity of cylinders	
	Miscellaneous	
8.3	Oil flow rate for attachments	
8.4	Measured/guaranteed mean noise level at the ear of the operator	
8.4	Sound level at the driver's ear according to DIN 12 053	

10 D	Created on September 16, 2025 at 10:21 AM UTC
	Metric
	Manitou
	MI-X 80 D
	Diesel
	Seated
Q	8000 kg
с	600 mm
х	705 mm
у	2500 mm
	11790 kg
	17670 kg / 2120 kg
	Pneumatic
	9.00-20-14PR
	9.00-20-14PR
	4 / 2
	4
b10	1628 mm
b11	1700 mm
h6	2580 mm
h7	1505 mm
h10	505 mm
11	5395 mm
12	3895 mm
b1	2165 mm
b1	2165 mm
/ e / l	75 mm x 160 mm x 1520 mm
	4A
m1	185 mm
m2	339 mm
Ast	5637 mm
Ast	5803 mm
b13	1327 mm
	28 km/h-32 km/h
	0.43 m/s-0.46 m/s
	0.45 m/s 0.36 m/s
	7860 daN / 4500 daN
	44 % / 44 %
	Hydraulic
	Torque converter
	Cummins / QSB4,5 / Stage IIIA
	82 kW
	2200 rpm
	4 - 4500 cm <sup>3</sup>
	180 l/min
	< 88 dB
	88 dB

## MI-X 80 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	б	6	б	б	6	б
β - Mast/fork carriage tilt, backward	٥	12	12	12	12	6	6
h1 - Mast lowered height	mm	2700	2850	3000	3200	3500	3750
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	4210	4510	4810	5210	5710	6210
Residual capacity at max height	kg	8000	8000	8000	8000	8000	8000
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	6	б	3	3
β - Mast/fork carriage tilt, backward	٥	6	6	6	6	6
h1 - Mast lowered height	mm	2750	2850	2950	3100	3250
h2 - Mast free lift	mm	1485	1585	1600	1800	1985
h3 - Mast lifting height	mm	4500	4800	5000	5500	6000
h4 - Mast extended height	mm	5775	6075	6360	6810	7275
Residual capacity at max height	kg	7000	7000	6500	6100	5600
Height at max capacity	mm	4500	4800	5000	5500	6000



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