

Technical sheet :

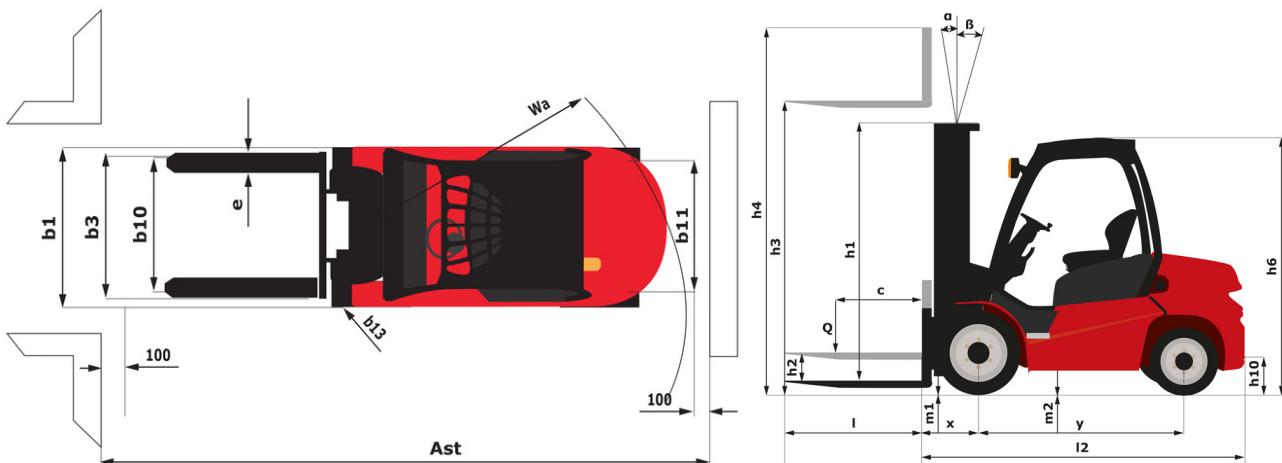
MI-X 18 D



 **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	Sitting	
1.5	Max. capacity	1800 kg	
1.6	Load center of gravity	500 mm	
1.8	Load distance, centre of drive axle to fork	405 mm	
1.9	Wheelbase	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	Tyres type	Inflatable	
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	900 mm	
3.7	Rear wheel gauge	920 mm	
Dimensions			
4.7	Height of overhead guard (cabin)	2090 mm	
4.8	Seat height/stand height	1160 mm	
4.12	Height of towing bar (coupling height)	315 mm	
4.19	Overall length	3350 mm	
4.20	Length to face of forks	2280 mm	
4.21	Overall width	1080 mm	
4.21	Overall width - Single wheels	1080 mm	
4.22	Forks section / width / length	35 mm x 100 mm x 1150 mm	
4.23	Fork carriage ISO 2328 (class/form) A/B	2A	
4.24	Fork carriage width	1000 mm	
4.31	Ground clearance below mast	115 mm	
4.32	Ground clearance at centre of wheelbase	150 mm	
4.33	Aisle Width for pallets 1000 x 1200 crossways	3615 mm	
4.34	Aisle width for 800 x 1200 pallet lengthways	3815 mm	
4.35	Turning radius	2010 mm	
4.36	Internal turning radius (over tyres)	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	
Engine			
7.1	Engine brand / model	Yanmar / 4TNE92-HRJ	
7.2	Engine power according to ISO 1585	32.80 kW	
7.3	Rated speed	2450 rpm	
7.4	Number of cylinders / Capacity of cylinders	4 - 2659 cm ³	
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

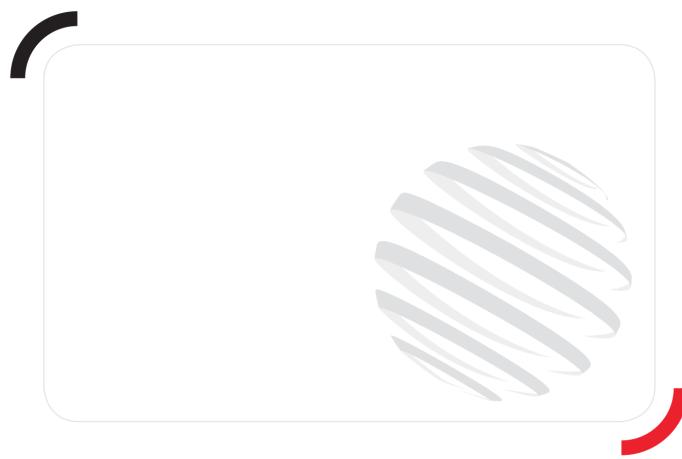


Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)	FVD 30	FVD 33
Mast/fork carriage tilt, forward	°	6
Mast/fork carriage tilt, backward	°	12
h1 - Mast lowered height	mm	1995
h2 - Mast free lift	mm	155
h3 - Mast lifting height	mm	3000
h4 - Mast extended height	mm	3565
Residual capacity at max height	kg	1800
Residual capacity with integrated side shift at max height	kg	1800
Height at max capacity	mm	3000

Free Lift Duplex (FLD)	FLD 33	FLD 37	FLD 40	FVD 37	FVD 40
Mast/fork carriage tilt, forward	°	6	6	6	6
Mast/fork carriage tilt, backward	°	12	12	12	12
h1 - Mast lowered height	mm	2160	2360	2560	2595
h2 - Mast free lift	mm	1575	1775	1975	155
h3 - Mast lifting height	mm	3300	3700	4000	4000
h4 - Mast extended height	mm	3885	4285	4585	4600
Residual capacity at max height	kg	1800	1800	1700	1800
Residual capacity with integrated side shift at max height	kg	1750	1750	1650	1750
Height at max capacity	mm	3300	3700	3700	3700

Free Lift Triplex (FLT)	FLT 43	FLT 45	FLT 47	FLT 48	FLT 50	FLT 55	FLT 60	FLT 65
Mast/fork carriage tilt, forward	°	6	6	6	6	3	3	3
Mast/fork carriage tilt, backward	°	6	6	6	6	6	6	6
h1 - Mast lowered height	mm	2070	2120	2170	2220	2270	2470	2720
h2 - Mast free lift	mm	1400	1500	1585	1600	1685	1885	2100
h3 - Mast lifting height	mm	4300	4500	4700	4800	5000	5500	6000
h4 - Mast extended height	mm	49980	5130	5380	5430	5595	6095	6730
Residual capacity at max height	kg	1700	1700	1650	1650	1350	1050	750
Residual capacity with integrated side shift at max height	kg	1600	1600	1550	1550	1250	950	650



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