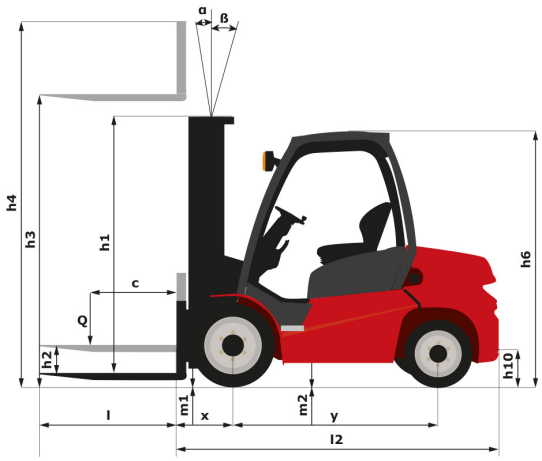
Technical sheet :

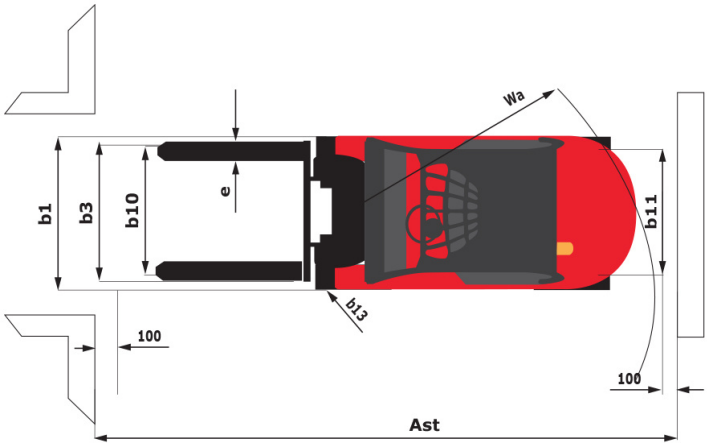
MI-X 60 D

MANITOU
HANDLING YOUR WORLD

	Technical characteristics		Metric
1.1	Manufacturer		Manitou
1.2	Model Name		MI-X 60 D
1.3	Power source		Diesel
1.4	Operator type		Seated
1.5	Max. capacity	Q	6000 kg
1.6	Load centre of gravity	c	600 mm
1.8	Load distance, centre of drive axle to fork	x	598 mm
1.9	Wheelbase	y	2300 mm
	Weight		
2.1	Service weight		8825 kg
2.2	Weight on front axle (laden) / rear axle (laden)		13000 kg / 1825 kg
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		3960 kg / 4865 kg
	Wheels		
3.1	Tyres type		Pneumatic
3.2	Dimensions of front wheels		8.25-15-14PR
3.3	Dimensions of rear wheels		8.25-15-14PR
3.5	Number of front wheels / rear wheels		4 / 2
3.5.2	Number of drive wheels		4
3.6	Front wheel gauge	b10	1489 mm
3.7	Rear wheel gauge	b11	1700 mm
	Dimensions		
4.1	Tilt of Mast Forward (deg) / Backward (deg)	α / β	6 / 12
4.7	Height of overhead guard (cabin)	h6	2430 mm
4.8	Seat height/stand height	h7	1350 mm
4.12	Height of towing bar (coupling height)	h10	710 mm
4.19	Overall length	l1	4729 mm
4.20	Length to face of forks	l2	3509 mm
4.21	Overall width	b1	1990 mm
4.21	Overall width - Single wheels	b1	1990 mm
4.22	Forks section / width / length	s / e / l	60 mm x 150 mm / 1220 mm
4.23	Fork carriage ISO 2328 (class/form) A/B		4A
4.24	Fork carriage width	b3	1700 mm
4.31	Ground clearance below mast	m1	190 mm
4.32	Ground clearance at centre of wheelbase	m2	270 mm
4.33	Aisle Width for pallets 1000 x 1200 crossways	Ast	5167 mm
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	5302 mm
4.36	Internal turning radius (over tyres)	b13	1222 mm
4.35	Turning radius	Wa	3260 mm
	Performances		
5.1	Travel speed (laden / unladen)		27 km/h / 29 km/h
5.2	Lifting speed (laden / unladen)		0.46 m/s / 0.49 m/s
5.3	Lowering speed (laden / unladen)		0.48 m/s / 0.42 m/s
5.5	Drawbar pull (Laden / Unladen)		6500 daN / 2672 daN
5.7	Gradeability (laden)		43 %
5.10	Service brake		Hydraulic
	Engine		
7.1	Engine brand / model		Cummins / QSB3,3
7.2	Engine power according to ISO 1585		74 kW
7.3	Rated speed		2200 rpm
7.4	Number of cylinders / Capacity of cylinders		4 - 3300 cm³
7.5	Fuel consumption according to VDI cycle		7.20 l/h
	Miscellaneous		
8.2	Working hydraulic pressure for attachments		195 Bar
8.3	Oil flow rate for attachments		55 l/min
8.4	Measured/guaranteed mean noise level at the ear of the operator		< 88 dB(A)

Dimensional drawing





Characteristics of masts and residual capacities

Full Visibility Duplex		FVD 30	FVD 33	FVD 36	FVD 40	FVD 45	FVD 50
h2 - Free lift	mm	1600	160	160	160	160	160
h1 - Height mast lowered *	mm	2500	2650	2800	3000	3300	3550
h3 - Lifting Height	mm	3000	3300	3600	4000	4500	5000
h4 - Height mast extended *	mm	3995	4295	4595	4995	5500	6000
α / β - Mast inclination (front / rear)	°	6 / 12	6 / 12	6 / 12	6 / 12	6 / 6	6 / 6
Residual capacity at max height	kg	6000	6000	6000	6000	6000	6000
Residual capacity without attachment (Industrial load chart)	kg	6000	6000	6000	6000	6000	6000
Residual capacity with hooked-on side shift (Industrial load chart)	kg	5500	5500	5500	5500	5500	5500
Height at max capacity	mm	3000	3300	3600	4000	4500	5000
Height at max capacity with hooked-on sideshift	mm	3000	3300	3600	4000	4500	5000

Free Lift Duplex		FLD 30	FLD 33	FLD 36	FLD 40
h2 - Free lift	mm	1495	1645	1795	1995
h1 - Height mast lowered *	mm	2450	2600	2750	2950
h3 - Lifting Height	mm	3000	3300	3600	4000
h4 - Height mast extended *	mm	3955	4255	4555	4955
α / β - Mast inclination (front / rear)	°	6 / 12	6 / 12	6 / 12	6 / 12
Residual capacity at max height	kg	6000	6000	6000	6000
Residual capacity without attachment (Industrial load chart)	kg	6000	6000	6000	6000
Residual capacity with hooked-on side shift (Industrial load chart)	kg	5500	5500	5500	5500
Height at max capacity	mm	3000	3300	3600	4000
Height at max capacity with hooked-on sideshift	mm	3000	3300	3600	4000

Free Lift Triplex		FLT 45	FLT 48	FLT 50	FLT 55	FLT 60
h2 - Free lift	mm	1500	1600	1672	1800	2000
h1 - Height mast lowered *	mm	2725	2825	2875	3075	3225
h3 - Lifting Height	mm	4500	4800	5000	5500	6000
h4 - Height mast extended *	mm	5735	6035	6213	6785	7235
α / β - Mast inclination (front / rear)	°	6 / 6	6 / 6	6 / 6	3 / 6	3 / 6
Residual capacity at max height	kg	5500	5500	5500	5200	5000
Residual capacity without attachment (Industrial load chart)	kg	5500	5500	5500	5200	5000
Residual capacity with hooked-on side shift (Industrial load chart)	kg	5000	5000	5000	4700	4500
Height at max capacity	mm	4500	4800	5000	5500	6000
Height at max capacity with hooked-on sideshift	mm	4500	4800	5000	5500	6000

Siège Social
430 rue de l'Aubinière - 44150 Ancenis Cedex - France
Tel: +33(0)2 40 09 10 11 - Fax: +33 (0)2 40 09 10 97
www.manitou.com

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