

Technical sheet :

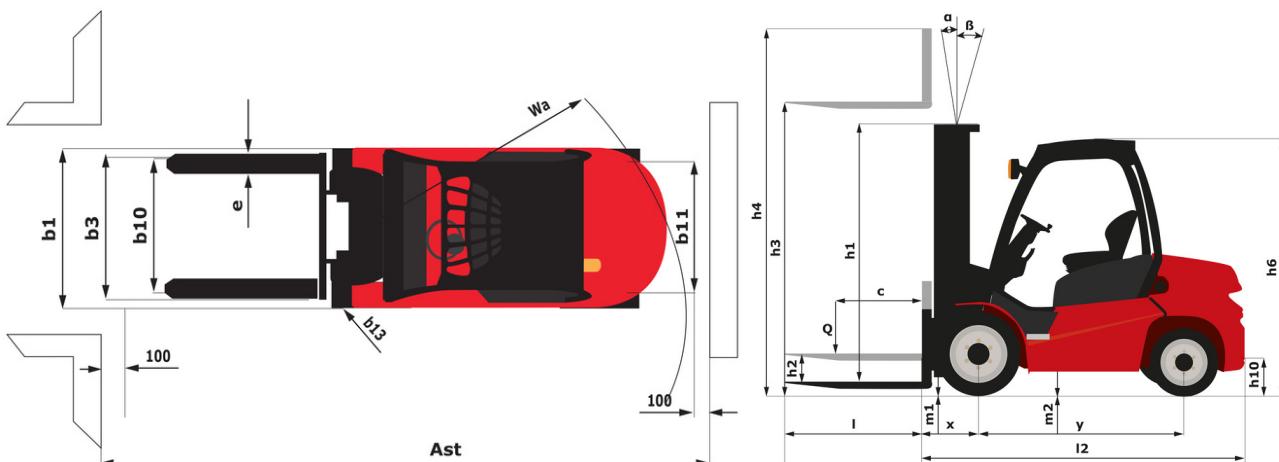
# MI-X 18 G



 **MANITOU**  
HANDLING YOUR WORLD

Technical characteristics		Metric	
1.1	Manufacturer	MANITOU	
1.2	Model Name	MI-X 18 G	
1.3	Power source	LPG	
1.4	Operator type	Seated	
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	2905 kg	
2.2	Weight on front axle (laden) / rear axle (laden)	4160 kg / 545 kg	
2.3	Weight on front axle (Unladen) / rear axle (Unladen)	1215 kg / 1690 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	
3.7	Rear wheel gauge	b11	
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)		17.50 km/h-18 km/h
5.2	Lifting speed (laden / unladen)		0.45 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)		1450 daN / 800 daN
5.7	Gradeability (laden / unladen)		20 % / 20 %
5.10	Service brake		Hydraulic
Transmission type			
Engine			
7.1	Engine brand / model		GCT (ex-Nissan) / K21
7.2	Engine power (Hp / kW)		39 Hp/29 kW
7.3	Rated speed		2250 rpm
7.4	Number of cylinders / Capacity of cylinders		4 - 2065 cm <sup>3</sup>
6.6	Energy consumption according to VDI cycle (Gas)		5.70 kg CO <sub>2</sub> /h
	Energy consumption according to VDI cycle (kWh/h)		5.70 kWh/h
Miscellaneous			
8.2	Working hydraulic pressure for attachments		160 bar
8.3	Oil flow rate for attachments		52 l/min
8.4	Measured/guaranteed mean noise level at the ear of the operator		81 dB
8.4	Sound level at the driver's ear according to DIN 12 053		81 dB

## MI-X 18 G - Dimensional drawing



## Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)	FVD 30	FVD 33	FVD 37	FVD 40
α - Mast/fork carriage tilt, forward	°	6	6	6
β - Mast/fork carriage tilt, backward	°	12	12	12
h1 - Mast lowered height	mm	1995	2145	2395
h2 - Mast free lift	mm	155	155	155
h3 - Mast lifting height	mm	3000	3300	3700
h4 - Mast extended height	mm	3565	3865	4265
Residual capacity at max height	kg	1800	1800	1800
Residual capacity with integrated side shift at max height	kg	1800	1750	1750
Height at max capacity	mm	3000	3300	3700
				2500

Free Lift Duplex (FLD)	FLD 33	FLD 37	FLD 40
α - Mast/fork carriage tilt, forward	°	6	6
β - Mast/fork carriage tilt, backward	°	12	12
h1 - Mast lowered height	mm	2160	2360
h2 - Mast free lift	mm	1575	1775
h3 - Mast lifting height	mm	3300	3700
h4 - Mast extended height	mm	3885	4285
Residual capacity at max height	kg	1800	1800
Residual capacity with integrated side shift at max height	kg	1750	1750
Height at max capacity	mm	3300	3700
			2500



# **MANITOU** HANDLING YOUR WORLD

## Head Office

B.P. 249 - 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](http://www.manitou.com)



This publication provides a description of the configuration versions and options for Manitou products, which may differ for equipment. The equipment presented in this brochure may be part of a series, as an option, or it may not be available, depending on the versions. Manitou reserves the right, at any time and without notice, to amend the specifications described and represented. The specifications provided do not bind the manufacturer. For more details, please contact your Manitou agent. This is not a contractually binding document. The presentation of the products is not contractually binding. List of specifications non-exhaustive. The logos as well as the visual identity of the company are owned by Manitou and cannot be used without authorisation. All rights reserved. The photos and diagrams contained in this brochure are only provided for consultation and information purposes.

MANITOU BF SA - Limited company with board of directors - Share capital: 39,668,399 euros - 857 802 508 RCS Nantes