Technical sheet :

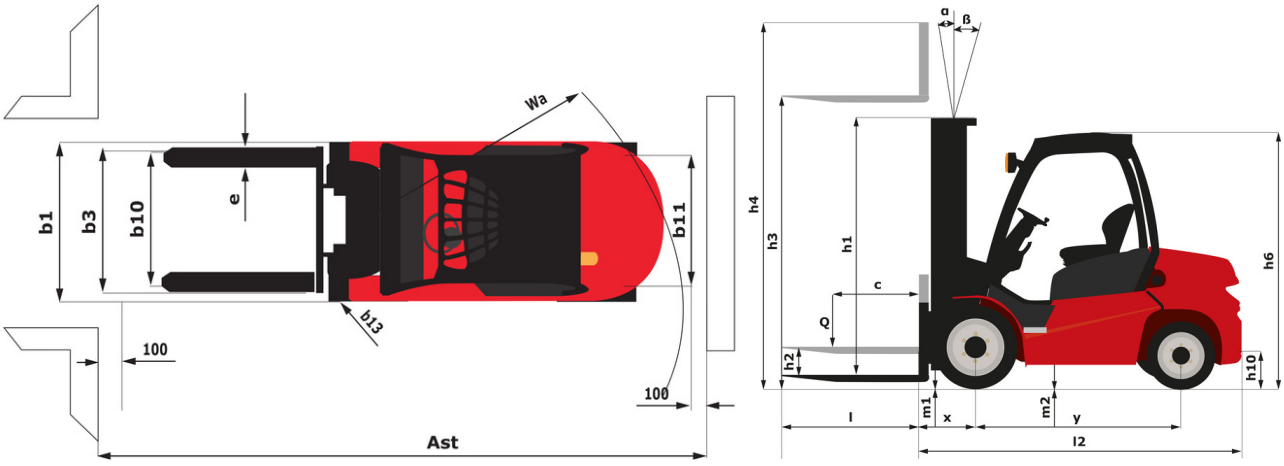
MI 15 G



MANITOU
HANDLING YOUR WORLD

	Technical characteristics		Imperial
1.1	Manufacturer		Manitou
1.2	Model Name		MI 15 G
1.3	Power source		Lpg
1.4	Operator type		Sitting
1.5	Max. capacity	Q	3307 lb
1.6	Load center of gravity	c	20 in
1.8	Load distance, centre of drive axle to fork	x	16 in
1.9	Wheelbase	y	56 in
	Weight		
2.1	Service weight		5975 lb
2.2	Weight on front axle (laden) / rear axle (laden)		8025 lb / 1257 lb
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		2712 lb / 3263 lb
	Wheels		
3.1	Tires type		PPS
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
3.5.2	Number of drive wheels		2
3.6	Front wheel gauge	b10	35 in
3.7	Rear wheel gauge	b11	36 in
	Dimensions		
4.7	Height of overhead guard (cabin)	h6	82 in
4.8	Seat height/stand height	h7	46 in
4.12	Height of towing bar (coupling height)	h10	12 in
4.19	Overall length	l1	130 in
4.20	Length to face of forks	l2	88 in
4.21	Overall width	b1	43 in
4.21	Overall width - Single wheels	b1	43 in
4.22	Forks section / width / length	s / e / l	1 in x 4 in x 45 in
4.23	Fork carriage ISO 2328 (class/form) A/B		2A
4.24	Fork carriage width	b3	39 in
4.31	Ground clearance below mast	m1	5 in
4.32	Ground clearance at centre of wheelbase	m2	6 in
4.33	Aisle Width for pallets 1000 x 1200 crossways	Ast	141 in
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	149 in
4.35	Turning radius	Wa	78 in
4.36	Internal turning radius (over tyres)	b13	2 in
	Performances		
5.1	Travel speed (laden / unladen)		11 mph-11 mph
5.2	Lifting speed (laden / unladen)		1 ft/s-2 ft/s
5.3	Lowering speed (laden / unladen)		2 ft/s-2 ft/s
5.5	Drawbar pull (Laden / Unladen)		1460 daN / 770 daN
5.7	Gradeability (laden / unladen)		20 % / 20 %
5.10	Service brake		Hydraulic
	Engine		
6.1	Drive motor rating S2 60 min		29 kW
6.2	Lift motor rating at S3 15%		29 kW
7.1	Engine brand / model		GCT (ex-Nissan) / K21
7.2	Engine power according to ISO 1585		29 kW
7.3	Rated speed		2250 rpm
7.4	Number of cylinders / Capacity of cylinders		4 - 126 in³
	Energy consumption according to VDI cycle (Gas)		5.70 kg CO2/h
	Miscellaneous		
8.2	Working hydraulic pressure for attachments		2321 PSI
8.3	Oil flow rate for attachments		14 US gpm
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 15 G - Dimensional drawing



Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)		FVD 33	FVD 37	FVD 40
Mast/fork carriage tilt, forward	°	6	6	6
Mast/fork carriage tilt, backward	°	12	12	12
h1 - Mast lowered height	in	84.4	94.3	102.2
h2 - Mast free lift	in	6.1	6.1	6.1
h3 - Mast lifting height	in	129.9	145.7	157.5
h4 - Mast extended height	in	152.2	167.9	181.1
Residual capacity at max height	lb	3307	3307	3307
Residual capacity with integrated side shift at max heigth	lb	3307	3307	3307
Height at max capacity	in	129.9	145.7	157.5
Height at max capacity with integrated sideshift	in	129.9	145.7	157.5

Free Lift Duplex (FLD)		FLD 33	FLD 37	FLD 40
Mast/fork carriage tilt, forward	°	6	6	6
Mast/fork carriage tilt, backward	°	12	12	12
h1 - Mast lowered height	in	85	92.9	100.8
h2 - Mast free lift	in	62	69.9	77.8
h3 - Mast lifting height	in	129.9	145.7	157.5
h4 - Mast extended height	in	153	168.7	180.5
Residual capacity at max height	lb	3307	3307	3307
Residual capacity with integrated side shift at max heigth	lb	3307	3307	3307
Height at max capacity	in	129.9	145.7	157.5
Height at max capacity with integrated sideshift	in	129.9	145.7	157.5

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	6	3	3	3
Mast/fork carriage tilt, backward	°	6	6	6	6	6	6	6	6
h1 - Mast lowered height	in	81.5	83.5	85.4	87.4	89.4	97.2	107.1	113
h2 - Mast free lift	in	55.1	59.1	62.4	63	66.3	74.2	82.7	86.6
h3 - Mast lifting height	in	169.3	177.2	185	189	196.9	216.5	236.2	255.9
h4 - Mast extended height	in	196.1	202	211.8	213.8	220.3	240	265	282.7
Residual capacity at max height	lb	2976	2866	2756	2756	2646	2094	1543	
Residual capacity with integrated side shift at max heigth	lb	2976	2866	2535	2535	2425	1874	1323	
Height at max capacity	in	157.5	98.4	98.4	98.4	98.4	98.4	98.4	98.4

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



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