Technical sheet :



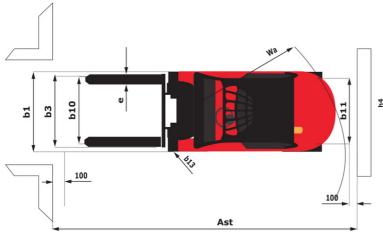


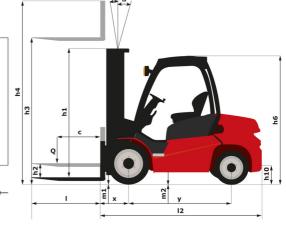


Imperial Manitou MI 40 D US Diesel Seated 8818 lb 20 in 22 in 79 in FVD 30 13889 lb 19842 lb / 2866 lb 6173 lb / 7716 lb Pneumatic 300-15 18PR 7.00-12-12PR 2/2 2 46 in 44 in 94 in 54 in 18 in 169 in 121 in 55 in 55 in 2 in x 5 in x 48 in 3A 49 in 7 in 9 in 183 in 188 in 109 in 5 in 14 mph-15 mph 2 ft/s-2 ft/s 2 ft/s-2 ft/s 4000 daN / 200 daN 31 % / 39 % Hydraulic Torque converter Cummins / QSF2.8T4F / Tier 4 final 55 kW 2600 rpm 4 - 171 in³ 2321 PSI 24 US gpm < 84 dB 84 dB

		MI 40
	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	y
	Standard mast reference of the machine	,
	Weight	
2.1	Service weight	
2.2	Weight on front axle (laden) / rear axle (laden)	
2.3	Weight on front axle (Unladen) / rear axle (Unladen)	
2.3	Wheels	
1 1		
3.1	Tires type	
3.2	Dimensions of front wheels	
3.3	Dimensions of rear wheels	
3.5	Number of front wheels / rear wheels	
.5.2	Number of drive wheels	
3.6	Front wheel gauge	b10
.7	Rear wheel gauge	b11
	Dimensions	
4.7	Height of overhead guard (cabin)	h6
4.8	Seat height/stand height	h7
.12	Height of towing bar (coupling height)	h10
19	Overall length	1
20	Length to face of forks	12
.21	Overall width	b1
.21	Overall width - Single wheels	b1
.22	Forks section / width / length	s / e / l
23	Fork carriage ISO 2328 (class/form) A/B	
24	Fork carriage width	b3
.31	Ground clearance below mast	m1
.32	Ground clearance at centre of wheelbase	m2
.33	Aisle Width for pallets 1000 x 1200 crossways	Ast
.34	Aisle width for 800 x 1200 pallet lengthways	Ast
.35	Turning radius	Wa
36	Internal turning radius (over tyres)	b13
	Performances	
i.1	Travel speed (laden / unladen)	
5.2	Lifting speed (laden / unladen)	
.3	Lowering speed (laden / unladen)	
.5	Drawbar pull (Laden / Unladen)	
.7	Gradeability (laden / unladen)	
.10	Service brake	
	Transmission type	
	Engine	
7.1	Engine brand / model / norm	
7.2	I.C. Engine power rating	
.3	Rated speed	
7.4	Number of cylinders / Capacity of cylinders	
	Miscellaneous	
3.2	Working hydraulic pressure for attachments	
3.2 3.3	Oil flow rate for attachments	
3.4	Measured/guaranteed mean noise level at the ear of the operator	

MI 40 D US - Dimensional drawing





Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)		FVD 30	FVD 33	FVD 35	FVD 37	FVD 40	FVD 45	FVD 50
α - Mast/fork carriage tilt, forward	۰	6	6	6	6	6	6	6
β - Mast/fork carriage tilt, backward	۰	12	12	12	12	12	12	12
h1 - Mast lowered height	in	88.4	94.3	98.2	102.2	110	120.9	131.7
h2 - Mast free lift	in	6.3	6.3	6.3	6.3	6.3	6.3	6.3
h3 - Mast lifting height	in	118.1	129.9	137.8	145.7	157.5	177.2	196.9
h4 - Mast extended height	in	164.2	176	183.9	191.7	203.5	223.2	242.9
Residual capacity at max height	lb	8818	8818	8818	8818	8818	8157	7055
Residual capacity with integrated side shift at max heigth	lb	8818	8818	8818	8818	8818	7937	6834
Height at max capacity	in	118.1	129.9	137.8	145.7	157.5	157.5	157.5
Height at max capacity with integrated sideshift	in	118.1	129.9	137.8	145.7	157.5	157.5	157.5

Free Lift Duplex (FLD)		FLD 30	FLD 33	FLD 35	FLD 37
α - Mast/fork carriage tilt, forward	۰	6	6	6	6
β - Mast/fork carriage tilt, backward	٥	12	12	12	12
h1 - Mast lowered height	in	87.6	93.5	97.5	101.4
h2 - Mast free lift	in	53.7	59.6	63.5	67.5
h3 - Mast lifting height	in	118.1	129.9	137.8	145.7
h4 - Mast extended height	in	164.2	176	183.9	191.7
Residual capacity at max height	lb	8818	8818	8818	8818
Residual capacity with integrated side shift at max heigth	lb	8818	8818	8818	8818
Height at max capacity	in	118.1	129.9	137.8	145.7
Height at max capacity with integrated sideshift	in	118.1	129.9	137.8	145.7

Free Lift Triplex (FLT)		FLT 40	FLT 43	FLT 45	FLT 47	FLT 50	FLT 55	FLT 60
α - Mast/fork carriage tilt, forward	۰	6	6	6	6	6	3	3
β - Mast/fork carriage tilt, backward	۰	12	6	6	6	6	6	6
h1 - Mast lowered height	in	81.9	85.8	88.5	90.9	94.9	101.4	109.8
h2 - Mast free lift	in	48.4	52.3	54.9	57.4	61.4	67.9	76.3
h3 - Mast lifting height	in	157.5	169.3	177.2	185	196.9	216.5	236.2
h4 - Mast extended height	in	203.5	215.4	223.8	231.1	242.9	262.6	282.7
Residual capacity at max height	lb	8818	8598	7716	7275	6834	6173	5071
Residual capacity with integrated side shift at max heigth	lb	8598	8378	7496	7055	6614	5952	4850
Height at max capacity	in	157.5	98.4	157.5	157.5	157.5	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