

Technical sheet :

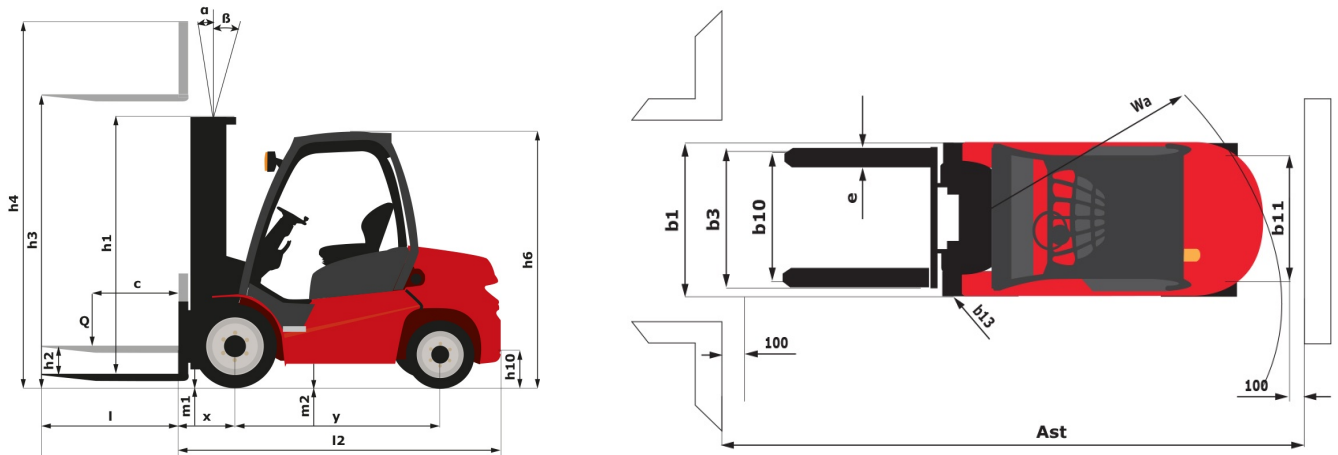
MI 40 D



Technical characteristics			Metric
1.1	Manufacturer		Manitou
1.2	Model Name		MI 40 D
1.3	Power source		Diesel
1.4	Operator type		Seated
1.5	Max. capacity	Q	4000 kg
1.6	Load centre of gravity	c	500 mm
1.8	Load distance, centre of drive axle to fork	x	550 mm
1.9	Wheelbase	y	2000 mm
Weight			
2.1	Service Weight		6300 kg
2.2	Weight on front axle (laden) / rear axle (laden)		9000 kg / 1300 kg
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		2800 kg / 3500 kg
Wheels			
3.1	Tyres type		Super Elastic
3.2	Dimensions of front wheels		8.25-15-14PR
3.3	Dimensions of rear wheels		7.00-12-12PR
3.5	Number of front wheels / rear wheels		2 / 2
3.2	Number of drive wheels		2
3.6	Front wheel gauge	b10	1160 mm
3.7	Rear wheel	b11	1130 mm
Dimensions			
4.1	Tilt of Mast Forward (deg) / Backward (deg)	α / β	6 / 12
4.7	Height of overhead guard (cabin)	h6	2390 mm
4.8	Seat height/stand height	h7	1370 mm
4.12	Height of towing bar (coupling height)	h10	445 mm
4.19	Overall length	l1	4290 mm
4.20	Length to face of forks	l2	3070 mm
4.21	Overall width	b1	1395 mm
4.22	Forks section / width / length	s / e / l	50 mm x 122 mm x 1220 mm
4.23	Fork carriage ISO 2328 (class/form) A/B		3A
4.24	Fork carriage width	b3	1250 mm
4.31	Ground clearance below mast	m1	170 mm
4.32	Ground clearance at centre of wheelbase	m2	230 mm
4.33	Aisle width for 1000 x 1200 pallet widthways	Ast	1 m
4.35	Turning radius	Wa	2780 mm
4.36	Internal turning radius (over tyres)	b13	135 mm
Performances			
5.1	Travel speed (laden / unladen)		22 km/h / 24 km/h
5.2	Lifting speed (laden / unladen)		0.46 Nm / 0.48 Nm
5.3	Lowering speed (laden / unladen)		0.5 Nm / 0.5 Nm
5.5	Drawbar pull (Laden / Unladen)		4000 / 200
5.8	Gradeability - laden (%) / unladen (%)		31 / 39
5.10	Service brake		Hydraulic
Engine			

Engine			
7.1	Engine brand / model		Cummins / QSF2.8T4F
7.2	Engine power according to ISO 1585		55 kW
7.3	Rated speed (rpm)		2600
7.4	Number of cylinders / Capacity of cylinders		4-2800 cm ³
7.5	Fuel consumption according to VDI cycle		6,8
Miscellaneous			
8.2	Working hydraulic pressure for attachments (bar)		160 Bar
8.3	Oil flow rate for attachments (l/min)		90
8.4	Measured/guaranteed mean noise level at the ear of the operator		86

Dimensional drawing



Characteristics of masts and residual capacities

Full Visibility Duplex		FVD 30	FVD 33	FVD 35	FVD 37	FVD 40	FVD 45	FVD 50
h2 - Free lift	mm	160	160	160	160	160	160	160
h1 - Height mast Lowered	mm	2245	2395	2495	2595	2795	3070	3345
h3 - Lifting Height	mm	3000	3300	3500	3700	4000	4500	5000
h4 - Height mast extended	mm	4170	4470	4670	4870	5170	5670	6170
α / β - Mast inclination (front / rear)	---	6 / 12	6 / 12	6 / 12	6 / 12	6 / 12	6 / 12	6 / 12
Residual Capacity without attachment (Industrial load chart)	kg	4000	4000	4000	4000	4000	3700	3200
Residual Capacity with integrated side shift (Industrial load chart)	kg	4000	4000	4000	4000	4000	3600	3100
Height at max capacity	mm	3000	3300	3500	3700	4000	4000	4000
Height at max capacity with integrated sideshift	mm	3000	3300	3500	3700	4000	4000	4000

Free Lift Duplex		FLD 30	FLD 33	FLD 35	FLD 37
h2 - Free lift	mm	1364	1514	1614	1714
h1 - Height mast Lowered	mm	2226	2376	2476	2576
h3 - Lifting Height	mm	3000	3300	3500	3700
h4 - Height mast extended	mm	4170	4470	4670	4870
α / β - Mast inclination (front / rear)	---	6 / 12	6 / 12	6 / 12	6 / 12
Residual Capacity without attachment (Industrial load chart)	kg	4000	4000	4000	4000
Residual Capacity with integrated side shift (Industrial load chart)	kg	4000	4000	4000	4000
Height at max capacity	mm	3000	3300	3500	3700
Height at max capacity with integrated sideshift	mm	3000	3300	3500	3700

Free Lift Triplex		FLT 40	FLT 43	FLT 45	FLT 47	FLT 50	FLT 55	FLT 60
h2 - Free lift	mm	1229	1329	1395	1459	1559	1724	1939
h1 - Height mast Lowered	mm	2080	2180	2248	2310	2410	2575	2790
h3 - Lifting Height	mm	4000	4300	4500	4700	5000	5500	6000
h4 - Height mast extended	mm	5170	5470	5685	5870	6170	6670	7180
α / β - Mast inclination (front / rear)	---	6 / 12	6 / 6	6 / 6	6 / 6	6 / 6	3 / 6	3 / 6
Residual Capacity without attachment (Industrial load chart)	kg	4000	3900	3500	3300	3100	2800	2300
Residual Capacity with integrated side shift (Industrial load chart)	kg	3900	3800	3400	3200	3000	2700	2200

Free Lift Triplex

Height at max capacity

mm

FLT 40

4000

FLT 43

FLT 45

4000

FLT 47

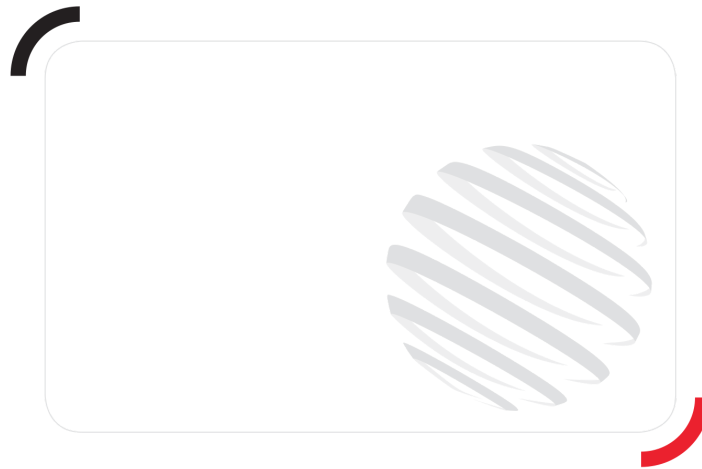
4000

FLT 50

4000

FLT 55

FLT 60



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



This brochure describes versions and configuration options for Manitou products which may be fitted with different equipment. The equipment described in this brochure may be standard, optional or not available depending on version. Manitou reserves the right to change the specifications shown and described at any time and without prior warning. The manufacturer is not liable for the specifications given. For more information, contact your Manitou dealer. Non-contractual document. Product descriptions may differ from actual products. List of specifications is not comprehensive. The logos and visual identity of the company are the property of Manitou and may not be used without authorisation. All rights reserved. The photos and diagrams contained in this brochure are provided for information only.

MANITOU BF SA - Limited company with board of directors - Share capital: 39,547,824 euros - 857 802 508
RCS Nantes