

Technical sheet :

MSI-X 25



 **MANITOU**
HANDLING YOUR WORLD

The image contains two technical drawings of a forklift. The left drawing is a top-down view showing the forklift's footprint. It includes dimensions for the overall width ($b1$), the width of the mast ($b3$), the width of the forks ($b10$), the distance from the front of the chassis to the mast (e), the width of the front chassis ($b11$), and the overall length (Ast). A 100-unit offset is indicated at the front. A weight vector Wa is shown acting on the chassis. The right drawing is a side profile view showing the forklift's height and wheelbase. It includes dimensions for the mast height ($h3$), the height of the mast at the forks ($h4$), the height of the chassis ($h1$), the height of the front wheel ($h2$), the height of the rear wheel ($h6$), the height of the chassis at the rear ($h10$), the wheelbase ($l2$), the distance from the front wheel to the mast ($m1$), the distance from the mast to the rear wheel ($m2$), the distance from the front wheel to the rear wheel (l), the distance from the front wheel to the chassis (x), the distance from the chassis to the rear wheel (y), and the distance from the front wheel to the mast (c). A 100-unit offset is indicated at the front. A weight vector Wa is shown acting on the chassis. The forklift is colored red and black.

Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)		FVD 30	FVD 33	FVD 37	FVD 40	FVD 45
α - Mast/fork camiage tilt, forward	°	10	10	10	10	10
β - Mast/fork camiage tilt, backward	°	12	12	12	12	12
h1 - Mast lowered height	mm	2136	2286	2546	2736	2986
h2 - Mast free lift	mm	85	85	85	85	85
h3 - Mast lifting height	mm	3000	3300	3700	4000	4500
h4 - Mast extended height	mm	3738	4038	4438	4738	5238
Residual capacity at max height	kg	2500	2500			
Height at max capacity	mm	3000	3300	2500	2500	2500

Free Lift Triplex (FLT)		FLT 34	FLT 37	FLT 40	FLT 43	FLT 47	FLT 55	FLT 60
α - Mast/fork camiage tilt, forward	°	10	10	10	10	10	6	6
β - Mast/fork camiage tilt, backward	°	12	12	12	12	12	6	6
h1 - Mast lowered height	mm	1936	2036	2136	2286	2386	2736	2986
h2 - Mast free lift	mm	1183	1283	1383	1483	1633	1893	2083
h3 - Mast lifting height	mm	3400	3700	4000	4300	4700	5500	6000
h4 - Mast extended height	mm	4184	4484	4784	5116	5484	6356	6916
Residual capacity at max height	kg	2500	2500	2500	2500	2500		
Height at max capacity	mm	3400	3700	4000	4300	4700	2500	2500

Full Visibility Triplex (FVT)		FVT 33
α - Mast/fork camiage tilt, forward	°	10
β - Mast/fork camiage tilt, backward	°	12
h1 - Mast lowered height	mm	1826
h2 - Mast free lift	mm	72
h3 - Mast lifting height	mm	3300
h4 - Mast extended height	mm	4027
Height at max capacity	mm	2500



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