

Technical sheet :

ME 430 LIFT

OXYGEN



 **MANITOU**
HANDLING YOUR WORLD

The image contains two technical drawings of a forklift, labeled 'a' and 'b'. Drawing 'a' is a top view showing the forklift's footprint. It includes dimensions for the fork length (b_1 / b_3), fork width (b_{10}), the distance from the fork base to the mast (e), the mast width (b_{11}), and the overall width of the chassis (A_{st}). A 100-unit dimension is also shown on the left. Drawing 'b' is a side view showing the forklift's profile. It includes dimensions for the mast height (h_4), the height from the ground to the top of the mast (h_3), the height from the ground to the top of the chassis (h_1), the height from the ground to the top of the operator's seat (h_6), the height from the ground to the top of the chassis (h_7), the height from the ground to the top of the chassis (h_{10}), the height from the ground to the top of the chassis (h_2), the height from the ground to the top of the chassis (s), the height from the ground to the top of the chassis (m_1), the height from the ground to the top of the chassis (x), the height from the ground to the top of the chassis (m_2), the height from the ground to the top of the chassis (y), the height from the ground to the top of the chassis (l), the height from the ground to the top of the chassis (l_1), and the height from the ground to the top of the chassis (l_2). The drawings are labeled 'a' and 'b' in the top right corner.

Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)		FVD 30	FVD 33	FVD 37	FVD 40	FVD 45
α - Mast/fork carriage tilt, forward	°	6	6	6	6	6
β - Mast/fork carriage tilt, backward	°	12	12	12	12	6
h1 - Mast lowered height	mm	2007	2157	2407	2607	2857
h2 - Mast free lift	mm	145	145	145	145	145
h3 - Mast lifting height	mm	3000	3300	3700	4000	4500
h4 - Mast extended height	mm	4142	4442	4842	5142	5642
Residual capacity at max height	kg	3000	3000	3000	3000	3000
Residual capacity with integrated side shift at max height	kg	2900	2900	2900	2900	2900

Free Lift Triplex (FLT)		FLT 40	FLT 45	FLT 48	FLT 50	FLT 55	FLT 60	FLT 65
α - Mast/fork carriage tilt, forward	°	6	6	6	6	3	3	3
β - Mast/fork carriage tilt, backward	°	6	12	12	6	12	6	6
h1 - Mast lowered height	mm	2007	2157	2307	2407	2607	2857	3057
h2 - Mast free lift	mm	865	1015	1165	1265	1465	1715	1915
h3 - Mast lifting height	mm	4000	4500	4800	5000	5500	6000	6500
h4 - Mast extended height	mm	5142	5642	5942	6142	6642	7142	7642
Residual capacity at max height	kg	3000	3000	2900	2850	2670	2350	2000
Residual capacity with integrated side shift at max height	kg	2900	2900	2800	2750	2570	2250	1900

Equipment

Standard
Audio warning on reverse movements
Battery - 35.3kWh - Lithium-ion
Electric parking brake
External charger - 10kW AC - Lithium-ion - Three-phase
LED rear work light
Mechanical suspension PVC seat - Grammer MSG65
Overhead guard - With roof window (Tempered glass)
Panoramic interior rear view mirror
Rear working light

Optional
Battery - 46.7kWh - Lithium-ion
Charger - 20kW - 32A - 380V - Lithium-ion
Closed cab
External charger - 8kW AC - Lithium-ion - Three-phase
Heater
LED blue lamp
LED rear blue lamp
Mini levers - 4 hydraulics movements
Non marking tires
Open cab
Overhead guard - With tempered glass windshield
Writing table



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