

Technical sheet :

# M-X 30-2

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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 ( $A_{st}$ ), the width of the mast ( $b_1$ ), the width of the body ( $b_3$ ), the width of the wheels ( $b_{10}$ ), the offset ( $e$ ), the wheel radius ( $100$ ), the width of the rear body ( $b_{11}$ ), and the wheelbase ( $W_a$ ). The right drawing is a side view showing the forklift's profile. It includes dimensions for the mast height ( $h_4$ ), the height to the top of the mast ( $h_7$ ), the height to the top of the body ( $h_6$ ), the height to the top of the wheels ( $h_{10}$ ), the height to the top of the chassis ( $h_2$ ), the wheel radius ( $m_2$ ), the horizontal distance from the mast to the front wheel ( $x$ ), the horizontal distance from the front wheel to the rear wheel ( $y$ ), the overall length ( $l_1$ ), the length of the chassis ( $l_2$ ), and the horizontal distance from the mast to the rear wheel ( $l$ ). The mast is shown at two different angles, labeled  $\alpha$  and  $\beta$ .

## Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)		FVD 37	FVD 45
$\alpha$ - Mast/fork carriage tilt, forward	°	6	6
$\beta$ - Mast/fork carriage tilt, backward	°	12	12
h1 - Mast lowered height	mm	2785	3225
h2 - Mast free lift	mm	130	130
h4 - Mast extended height	mm	4815	5615
Residual capacity at max height	kg	3000	3000
Residual capacity with integrated side shift at max height	kg	3000	3000
Height at max capacity	mm	2500	2500

Free Lift Triplex (FLT)		FLT 43	FLT 50
$\alpha$ - Mast/fork carriage tilt, forward	°	6	6
$\beta$ - Mast/fork carriage tilt, backward	°	12	12
h1 - Mast lowered height	mm	2525	2785
h2 - Mast free lift	mm	1533	1793
h4 - Mast extended height	mm	5332	6032
Residual capacity at max height	kg	3000	
Residual capacity with integrated side shift at max height	kg	2500	1500
Height at max capacity	mm	2500	2500

Full Visibility Triplex (FVT)		FVT 55
$\alpha$ - Mast/fork carriage tilt, forward	°	6
$\beta$ - Mast/fork carriage tilt, backward	°	12
h1 - Mast lowered height	mm	3055
h4 - Mast extended height	mm	6725
Residual capacity at max height	kg	1500
Residual capacity with integrated side shift at max height	kg	1100
Height at max capacity	mm	2500



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