

Technical sheet :

# MSI-X 25

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Technical drawings of a forklift showing top and side views with dimension labels.

**Top View Dimensions:**

- $b1$ : Overall width
- $b3$ : Width of the mast
- $b10$ : Width of the forks
- $e$ : Distance from the centerline to the fork tip
- $b11$ : Width of the rear section
- $Wa$ : Wheelbase
- $100$ : Offset from the side wall to the rear of the vehicle
- $Ast$ : Overall length

**Side View Dimensions:**

- $h4$ : Total height
- $h3$ : Height to the top of the mast
- $h1$ : Height to the top of the operator's seat
- $c$ : Horizontal distance from the mast to the seat
- $h2$ : Height of the fork
- $h6$ : Height to the top of the rear section
- $h10$ : Height of the rear section
- $l$ : Wheelbase
- $m1$ : Distance from the front wheel to the mast
- $x$ : Distance from the mast to the operator's seat
- $m2$ : Distance from the operator's seat to the rear wheel
- $y$ : Distance from the rear wheel to the rear of the vehicle
- $l2$ : Overall length

# 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



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