

Technical sheet :

# **MSI 30 ST5**

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## Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)	FVD 30	FVD 33	FVD 37	FVD 40	FVD 45	
$\alpha$ - Mast/fork carriage tilt, forward	°	12	12	12	12	12
$\beta$ - Mast/fork carriage tilt, backward	°	10	10	10	10	10
h1 - Mast lowered height	mm	2136	2286	2546	2736	2986
h2 - Mast free lift	mm	90	90	90	90	90
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	3000	3000	3000	3000	3000
Residual capacity with hooked-on side shift at max height	kg	3000	3000	3000	3000	
Height at max capacity	mm	3000	3300	3700	4000	4500
Height at max capacity with hooked-on sideshift	mm	3000	3300	3700	4000	

Free Lift Triplex (FLT)	FLT 34	FLT 37	FLT 40	FLT 43	FLT 47	FLT 55	FLT 60	
$\alpha$ - Mast/fork carriage tilt, forward	°	12	12	12	12	12	6	6
$\beta$ - Mast/fork carriage tilt, backward	°	10	10	10	10	10	6	6
h1 - Mast lowered height	mm	1936	2036	2136	2286	2386	2736	2986
h2 - Mast free lift	mm	1208	1308	1408	1558	1658	2008	2258
h3 - Mast lifting height	mm	3400	3700	4000	4300	4700	5500	6000
h4 - Mast extended height	mm	4184	4484	4784	5084	5484	6284	6784
Residual capacity at max height	kg	3000	3000	3000	3000	2700	2300	2200
Residual capacity with hooked-on side shift at max height	kg	3000	3000	3000	3000	2350		2200
Height at max capacity	mm	3400	3700	4000	4300	4300	4200	4200
Height at max capacity with hooked-on sideshift	mm	3400	3700	4000	4300	4200		4200

Full Visibility Triplex (FVT)	FVT 33	
$\alpha$ - Mast/fork carriage tilt, forward	°	12
$\beta$ - Mast/fork carriage tilt, backward	°	10
h1 - Mast lowered height	mm	1826
h2 - Mast free lift	mm	77
h3 - Mast lifting height	mm	3300
h4 - Mast extended height	mm	4027
Height at max capacity	mm	2500



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