

Technical sheet :

# ME 450



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## Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)		FVD 30	FVD 33	FVD 35	FVD 40	FVD 43	FVD 45	FVD 48	FVD 50
α - Mast/fork carriage tilt, forward	°	6	6	6	6	6	6	6	6
β - Mast/fork carriage tilt, backward	°	12	12	12	12	6	6	6	6
h1 - Mast lowered height	mm	2185	2335	2435	2735	2900	3010	3175	3285
h2 - Mast free lift	mm	150	150	150	150	150	150	150	150
h3 - Mast lifting height	mm	3000	3300	3500	4000	4300	4500	4800	5000
h4 - Mast extended height	mm	3770	4070	4270	4770	5070	5270	5570	5770
Residual capacity at max height	kg	5000	5000	5000	5000	4950	4900	4800	4700
Residual capacity with integrated side shift at max height	kg	5000	5000	5000	5000	4900	4850	4750	4650
Residual capacity with hooked-on side shift at max height	kg	4800	4800	4800	4800	4700	4600	4500	4400
Height at max capacity	mm	3000	3300	3500	4000	4000	4000	4000	4000
Height at max capacity with integrated sideshift	mm	3000	3300	3500	4000	4000	4000	4000	4000

Free Lift Duplex (FLD)		FLD 30	FLD 33	FLD 40
α - Mast/fork carriage tilt, forward	°	6	6	6
β - Mast/fork carriage tilt, backward	°	12	12	12
h1 - Mast lowered height	mm	2166	2316	2666
h2 - Mast free lift	mm	1365	1515	1865
h3 - Mast lifting height	mm	3000	3300	4000
h4 - Mast extended height	mm	3805	4105	4805
Residual capacity at max height	kg	5000	5000	5000
Residual capacity with integrated side shift at max height	kg	5000	5000	5000
Residual capacity with hooked-on side shift at max height	kg	4800	4800	4800
Height at max capacity	mm	3000	3300	4000
Height at max capacity with integrated sideshift	mm	3000	3300	4000

Free Lift Triplex (FLT)		FLT 43	FLT 48	FLT 50	FLT 55	FLT 60
α - Mast/fork carriage tilt, forward	°	6	6	6	3	3
β - Mast/fork carriage tilt, backward	°	6	6	6	6	6
h1 - Mast lowered height	mm	2120	2280	2350	2515	2730
h2 - Mast free lift	mm	1318	1478	1548	1710	1928
h3 - Mast lifting height	mm	4300	4800	5000	5500	6000
h4 - Mast extended height	mm	5105	5605	5805	6305	6805
Residual capacity at max height	kg	4800	4650	4450	4250	4100
Residual capacity with integrated side shift at max height	kg	4700	4600	4400	4200	4050
Residual capacity with hooked-on side shift at max height	kg	4500	4350	4150	3950	3800
Height at max capacity	mm	2500	2500	2500	2500	2500



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