

Technical sheet :

# ME 420 FOB

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## Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)		FVD 27	FVD 30	FVD 33	FVD 36	FVD 40	FVD 43	FVD 45
α - Mast/fork carriage tilt, forward	°	5	5	5	5	5	5	5
β - Mast/fork carriage tilt, backward	°	6	10	10	10	10	6	6
h1 - Mast lowered height	mm	1855	2005	2170	2305	2555	2730	2830
h2 - Mast free lift	mm	140	140	140	140	140	140	140
h3 - Mast lifting height	mm	2700	3000	3300	3600	4000	4300	4500
h4 - Mast extended height	mm	3350	3650	3980	4250	4650	4970	5150
Residual capacity at max height	kg	2000	2000	2000	2000	2000	2000	2000
Residual capacity with integrated side shift at max height	kg	2000	2000	2000	2000	2000	2000	2000
Residual capacity with hooked-on side shift at max height	kg	2000	2000	2000	2000	2000	1950	1900
Height at max capacity	mm	2700	3000	3300	3600	4000	4300	4500
Height at max capacity with integrated sideshift	mm	2700	3000	3300	3600	4000	4300	4500

Free Lift Duplex (FLD)		FLD 27	FLD 30	FLD 33	FLD 36	FLD 40
α - Mast/fork carriage tilt, forward	°	5	5	5	5	5
β - Mast/fork carriage tilt, backward	°	6	10	10	10	10
h1 - Mast lowered height	mm	1866	1980	2130	2280	2530
h2 - Mast free lift	mm	1250	1350	1500	1650	1900
h3 - Mast lifting height	mm	2700	3000	3300	3600	4000
h4 - Mast extended height	mm	3370	3635	3970	4270	4635
Residual capacity at max height	kg	2000	2000	2000	2000	2000
Residual capacity with integrated side shift at max height	kg	2000	2000	2000	2000	2000
Residual capacity with hooked-on side shift at max height	kg	2000	2000	2000	2000	2000
Height at max capacity	mm	2700	3000	3300	3600	4000
Height at max capacity with integrated sideshift	mm	2700	3000	3300	3600	4000

Free Lift Triplex (FLT)		FLT 40	FLT 43	FLT 45	FLT 48	FLT 50	FLT 55	FLT 60	FLT 65
α - Mast/fork carriage tilt, forward	°	5	5	5	5	5	3	3	3
β - Mast/fork carriage tilt, backward	°	6	6	6	6	6	6	6	6
h1 - Mast lowered height	mm	1925	2025	2095	2195	2260	2425	2645	2820
h2 - Mast free lift	mm	1255	1355	1425	1525	1590	1755	1975	2150
h3 - Mast lifting height	mm	4000	4300	4500	4800	5000	5500	6000	6500
h4 - Mast extended height	mm	4680	4980	5230	5480	5680	5180	6690	7180
Residual capacity at max height	kg	2000	2000	2000	1950	1850	1800	1650	1550
Residual capacity with integrated side shift at max height	kg	2000	2000	1950	1900	1800	1750	1600	1500
Residual capacity with hooked-on side shift at max height	kg	1900	1900	1850	1800	1700	1650	1500	1400
Height at max capacity	mm	4000	4300	4500	4000	4000	4000	4000	4000
Height at max capacity with integrated sideshift	mm	4000	4300	4500	4000	4000	4000	4000	4000



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