

Technical sheet :

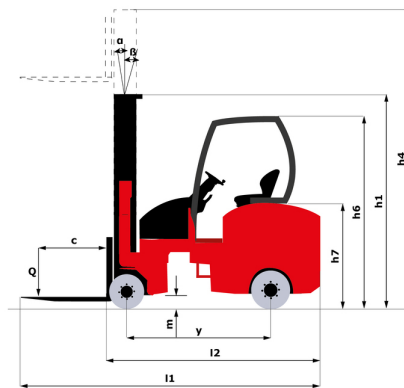
EMA II 20 HD-2



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The technical drawing consists of two views of a counterbalanced forklift:

- Top View (Left):** Shows the forklift from above. Dimensions include:
 - b_1 : Total width including the mast.
 - b_3 : Width of the fork carriage assembly.
 - b : Overall body width.
 - l : Fork length.
- Side View (Right):** Shows the forklift from the side. Dimensions include:
 - h_4 : Total height to the top of the mast.
 - h_1 : Height to the top of the operator's seat.
 - h_6 : Height to the top of the mast when the load is at the maximum height.
 - h_7 : Height to the top of the body.
 - l_1 : Overall length.
 - l_2 : Wheelbase (distance between front and rear wheels).
 - l : Fork length.
 - m : Distance from the front wheel to the load center.
 - y : Distance from the rear wheel to the load center.
 - c : Mast tilt angle.
 - \varnothing : Fork diameter.
 - a : Mast tip diameter.
 - b_2 : Mast tip width.



Characteristics of masts and residual capacities

Free Lift Triplex (FLT)		FLT 55	FLT 60	FLT 66	FLT 76	FLT 80	FLT 86	FLT 90	FLT 100	FLT 106
α - Mast/fork camiage tilt, forward	°	1	1	1	1	1	1	1	1	1
β - Mast/fork camiage tilt, backward	°	3	3	3	3	3	3	3	3	3
h1 - Mast lowered height	in (mm)	108.3 (2750)	114.2 (2900)	124 (3150)	141.3 (3590)	146.5 (3720)	158.3 (4020)	163.4 (4150)	180.7 (4590)	189.8 (4820)
h2 - Mast free lift	in (mm)	76 (1930)	81.9 (2080)	91.7 (2330)	109.1 (2770)	114.2 (2900)	126 (3200)	131.1 (3330)	148.4 (3770)	157.5 (4000)
h3 - Mast lifting height	in (mm)	216.5 (5500)	236.2 (6000)	259.8 (6600)	300 (7620)	315.4 (8010)	339 (8610)	354.3 (9000)	394.5 (10020)	415.7 (10560)
h4 - Mast extended height	in (mm)	144.9 (3680)	268.9 (6830)	292.5 (7430)	332.7 (8450)	348 (8840)	371.7 (9440)	387 (9830)	433.1 (11000)	454.3 (11540)
Residual capacity with integrated side shift at max heigh	lb (kg)	3307 (1500)	3307 (1500)	3197 (1450)	3086 (1400)	2976 (1350)	2866 (1300)	2756 (1250)	2205 (1000)	1874 (850)



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