EMMA MAERSK - TEU capacity analysis (Source : AXS-Alphaliner) --- Taking into account nine tiers on deck ---

This cargo plan results from a thorough analysis of the capacity of the ship carried out by AXS-Alphaliner and is therefore not an official one.

>> Total capacity : 14,300 teu -- Capacity under deck : 6,396 teu -- Capacity above deck : 7,904 teu (based on 9 tiers with prismatic stowage starting at tier 7)

Bay numbers	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27
	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
	22	22	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	12	12
			18	18	20	20	20	20	20	20	20	20	20	20	20	20	20	20	12	12
			16	16	18	18	20	20	20	20	20	20	20	20	20	20	20	20	12	12
			14	14	16	16	20	20	20	20	20	20	20	20	20	20	20	20	12	12
			12	12	14	14	18	18	18	18	20	20	20	20	20	20	14	14	12	12
					10	10	16	16	18	18	18	18	18	18	20	20	14	14	12	12
							10	10	12	12	14	14	14	14	14	14	14	14	12	12
									8	8	10	10	10	10	12	12	14	14	12	12
											6	6	8	8	8	8	12	12	12	12
													4	4	6	6	8	8	10	10

Bay numbers	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
	16	16	16	16	16	16	16	16																		
	18	18	18	18	18	18	18	18	18	18	18	18	18	18												
	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20						
	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	20	20	18	18
	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	20	20	18	18
	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	20	20	18	18
	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	20	20	18	18
	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	20	20	18	18
	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	20	20	18	18
	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	18	18	14	14
	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	18	18	14	14
	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	16	16	12	12
	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	18	18	18	18	16	16	14	14	10	10
	20	20	20	20	20	20	20	20	20	20	20	20	20	20	18	18	18	18	16	16	16	16	14	14	8	8
			20	20	20	20	20	20	20	20	18	18	18	18	18	18	16	16	16	16	14	14	10	10	8	8
			20	20	20	20	20	20	18	18	18	18	16	16	16	16	14	14	14	14	10	10	10	10	6	6
	FO		20	20	20	20	18	18	18	18	16	16	16	16	14	14	12	12	12	12	10	10	8	8	6	6
			20	20	20	20	18	18	16	16	14	14	14	14	12	12	8	8	8	8	8	8	6	6		
			18	18	18	18	16	16	14	14	12	12	10	10	10	10	8	8	6	6						

Remarks
> Figures on the drawing show the number of standard teu that can be stowed in each row
> The engine room is located under the accommodation block and at levels of bays 27 and 28
> The diesel engine itself is 26 meters long
> We have assumed that the engine room is flanked by two holds with a 6-row width at levels of bays 27 and 28
> We have give an allowance for the thrust block at levels of bays 29-30 (which allows also to accommodate the electric boosters, although they could be fully aft as well)
> We have assumed that the shaft tunnel is around 5 m wide and 9 m high (measured from tank top)
> Bunker tanks encroach on cargo volumes and are located next to the engine room. We have assumed that these tanks are located just forward of engine room (for reasons of weight balance) at levels of bays 25-36