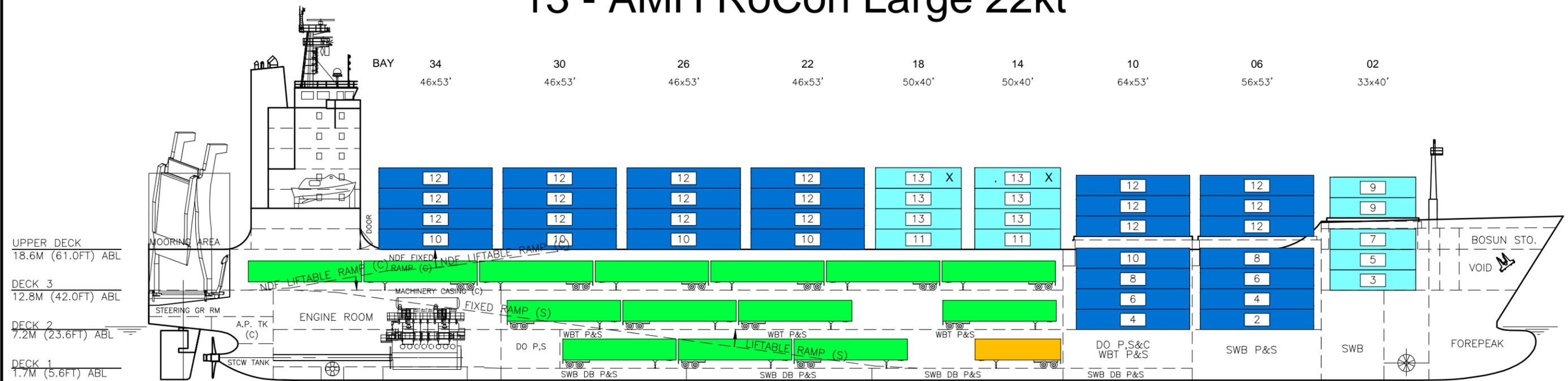


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Principal Particulars

MAIN DIMENSIONS

Length, Over All	201.3 m	660.4 ft
Length, Between Perp.	187.0 m	613.5 ft
Beam	32.2 m	105.6 ft
Depth	18.6 m	61.0 ft
Design Draft	7.6 m	24.9 ft
Dwt. at Design Draft	14,994 MT	
Cb at Design Draft	0.61	

HULL PROPORTIONS

L/B	5.8
B/T	4.2
B/D	1.7
L/D	10.1

CARGO

	Wt/Unit	Full Load Quantity	Full Load Weight	Capacity Quantity
53' Containers	22	256	5,632	304
40' Containers	22	107	2,354	133
53' Trailers	20	94	1,880	94
40' Trailers	20	7	140	7
Total ‡		1,208 TEU	10,006 MT	1,394 TEU
Reefer Outlets	100			

FULL LOAD CONDITION

Cargo Weight	10,006 MT
Consumables (98%)	2,619 MT
Ballast	2,269 MT
Constant	100 MT
Lightship	13,478 MT
Displacement	28,472 MT
Estimated GM	2.1 m

PROPULSION

Suggested Engine	MAN 8L60ME-C8 Wartsilla 8RT-flex60C
Speed at design draft	21.7 knots
Operating Power	16,848 kW *
MCR	18,720 kW
RPM	abt. 120

RANGE & CONSUMPTION

M/E Fuel Consumption†	71.1 MT/Day
M/E & D/G Fuel (no reefers)	75.7 MT/Day
Range (MGO)	~12,000 nm

TANK CAPACITIES

Diesel Oil	2,450 m ³
Fresh Water	380 m ³
Ballast Water	TBD m ³

Legend:

■ 53' Trailer	■ 53' Container
■ 40' Trailer	■ 40' Container

Notes:

- † Fuel Consumption is based on MGO at the operating power.
- ‡ Count assumes 2.8TEU/53' Trailer/Container and 2.0TEU per 40' Trailer/Container
- * Operating power is at design speed and draft with 15% sea margin



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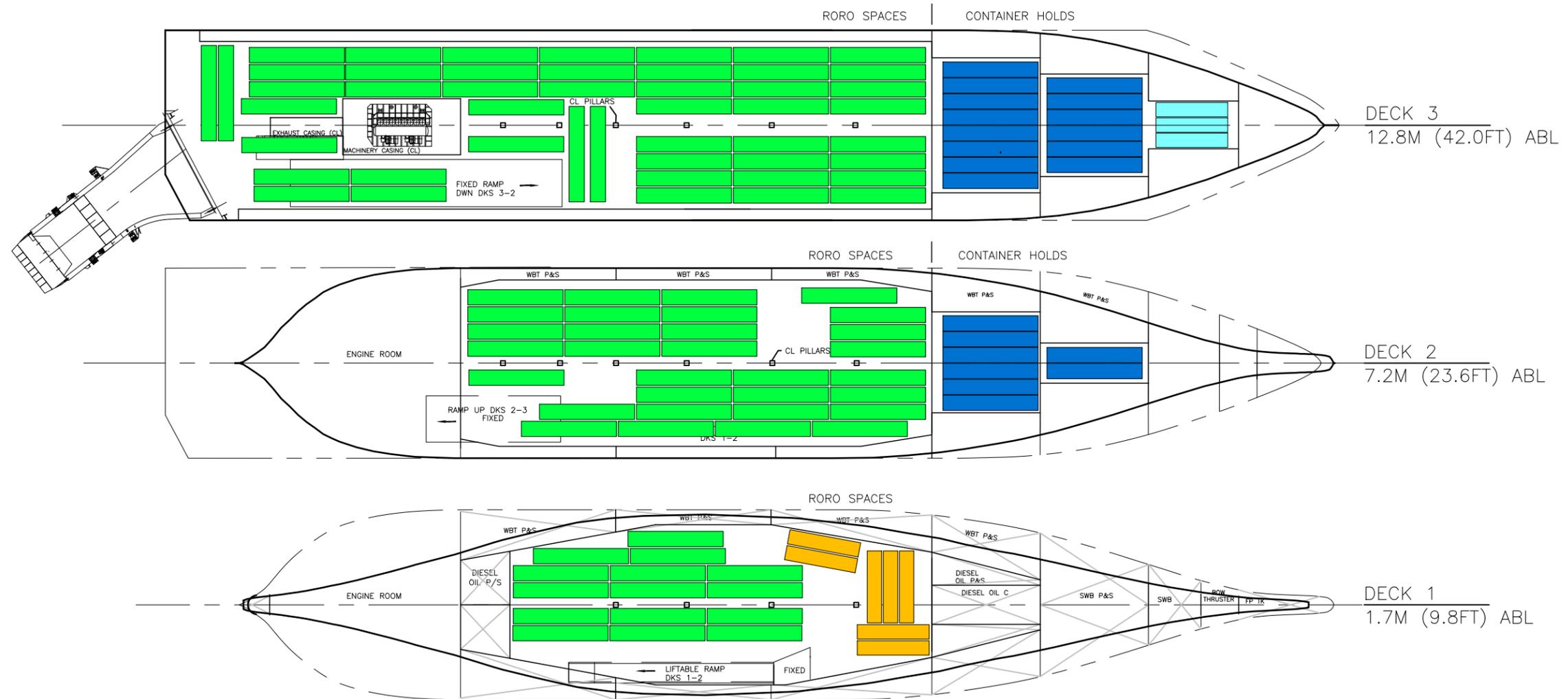
U.S. Maritime Administration

AMERICAN MARINE HIGHWAY
DESIGN CONCEPT

TYPE Large 22kt
CLASS RoCon

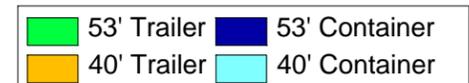
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RORO DECKS	HEIGHT OF DECK	HEIGHT TO DECK ABOVE	DEPTH OF STRUCT OF DECK ABOVE	CLEAR HEIGHT FOR VEHICLES		NET AREA		LANE LENGTH		SAMPLE STOW		DECK STRENGTH	
	m	m	m	m	ft	m ²	ft ²	lane-m	lane-ft	#trailers	#containers	t/m ²	PSF
Upper Deck	18.6	open	-	-	-	3,220	34,659	1,000	3,281	-	300	1.5	300
Deck 3	12.80	5.8	1.2	4.6	15.1	3,363	36,198	863	2,831	48	-	1.7	350
Deck 2	7.2	5.6	1.0	4.6	15.1	2,083	22,421	632	2,073	31	-	1.5	300
Deck 1	1.7	5.5	1.0	4.5	14.8	1,567	16,867	447	1,467	22	-	1.5	300
In Hold										-	63		
Total						10,233	110,145	2,942	9,652	101	363		

Legend:



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