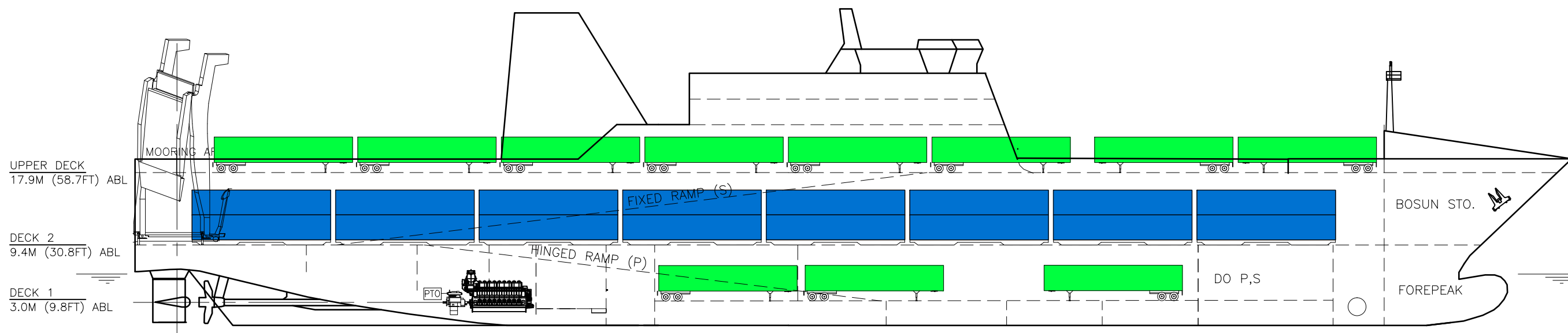


01 - AMH RoRo Small 18kt



Principal Particulars

MAIN DIMENSIONS

Length, Over All	167.7 m	550.2 ft
Length, Between Perp.	150.2 m	492.8 ft
Beam	27 m	88.6 ft
Depth	17.9 m	58.7 ft
Design Draft	6.0 m	19.7 ft
Dwt. at Design Draft	5,442 MT	
Cb at Design Draft	0.57	

HULL PROPORTIONS

L/B	5.6
B/T	4.5
B/D	1.5
L/D	8.4

CARGO

	Wt/Unit	Full Load Quantity	Full Load Weight
53' Containers	22	80	1,760
53' Trailers	20	71	1,420
Cassettes	3.56	40	142
Total ‡		423 TEU	3,322 MT
Reefer Outlets	40		

FULL LOAD CONDITION

Cargo Weight	3,322 MT
Consumables (98%)	1,480 MT
Ballast	520 MT
Constant	120 MT
Lightship	8,710 MT
Displacement	14,152 MT
Estimated GM	2.3 m

PROPULSION

Suggested Engine	2xMAN 9L32/44CR 2xWartsila 12V34DF
Speed at design draft	18 knots
Operating Power	8,400 kW *
MCR w/ PTO	10,080 kW
RPM	760

RANGE & CONSUMPTION

M/E Fuel Consumption†	40.3 MT/Day
M/E & D/G Fuel (no reefers)	43.9 MT/Day
Range (MGO)	~10,000 nm
Range (LNG)	4,000 nm

TANK CAPACITIES

Marine Gas Oil	1,350 m ³
LNG (if provided)	1,000 m ³
Fresh Water	380 m ³
Ballast Water	TBD m ³

Legend:

 53' Trailer
 53' Container

Notes:

† Fuel Consumption is based on MGO at the operating power. LNG propulsion is an option and will require added storage tanks.
‡ Count assumes 2.8TEU/53' Trailer/Container
* Operating power is at design speed and draft with 15% sea margin



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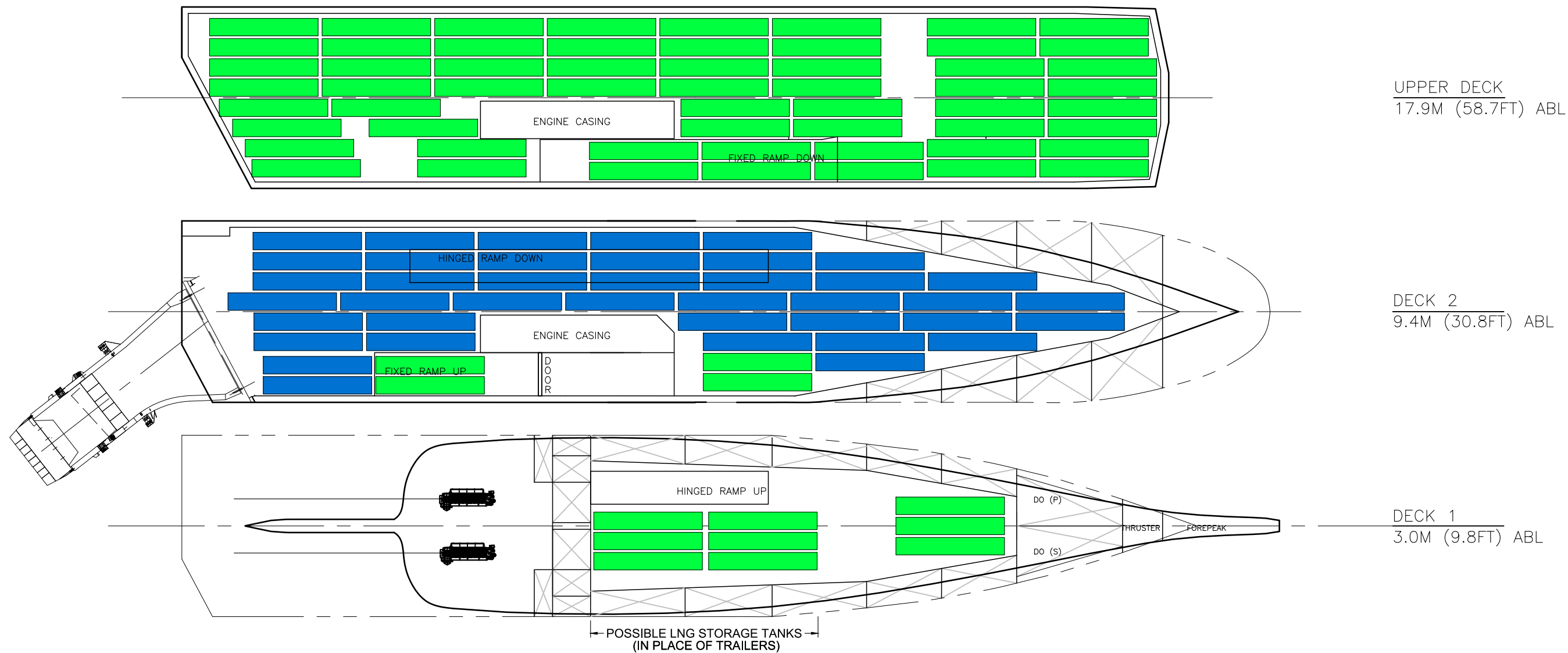
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TYPE Small 18kt
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RORO DECKS	HEIGHT OF DECK	HEIGHT TO DECK ABOVE	DEPTH OF STRUCT OF DECK ABOVE	CLEAR HEIGHT FOR VEHICLES		NET AREA		LANE LENGTH		SAMPLE STOW		DECK STRENGTH	
				m	ft	m ²	ft ²	lane-m	lane-ft	# trailers	# containers	t/m ²	PSF
Upper Deck	17.9	open	-	-	-	3,358	36,145	1,120	3,673	58	-	1.5	300
Deck 2	9.4	8.5	1.2	7.3	23.9	2,717	29,245	814	2,669	4	80	2.0	400
Deck 1	3.0	6.4	1.2	5.2	17.1	859	9,246	223	732	9	-	1.5	300
Total						6,934	74,636	2,156	7,074	71	80		

Legend:

- 53' Trailer
- 53' Container



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