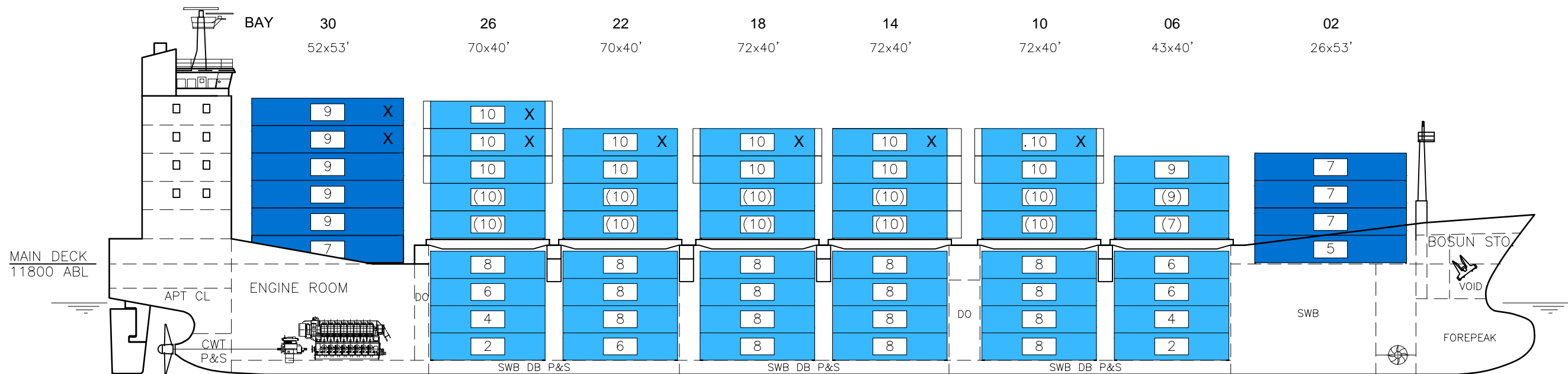


21 - AMH Container Medium 18kt LoLo



Principal Particulars

MAIN DIMENSIONS

Length, Over All	151.7 m	497.7 ft
Length, Between Perp.	142.4 m	467.2 ft
Beam	24.8 m	81.4 ft
Depth	11.8 m	38.7 ft
Design Draft	7.6 m	24.9 ft
Dwt. at Design Draft	11,866 MT	
Cb at Design Draft	0.63	

HULL PROPORTIONS

L/B	5.7
B/T	3.3
B/D	2.1
L/D	12.1

CARGO

	Wt/Unit	Full Load Quantity	Full Load Weight	Capacity Quantity
53' Containers	22	53	1,166	78
40' Containers	22	339	7,458	399
Total ‡		826 TEU	8,624 MT	1,016 TEU
Reefer Outlets	100			

FULL LOAD CONDITION

Cargo Weight	8,624 MT
Consumables (98%)	1,586 MT
Ballast	1,556 MT
Constant	100 MT
Lightship	5,530 MT
Displacement	17,396 MT
Estimated GM	0.8 m

PROPULSION

Suggested Engine	MAN 8L48/60CR Wartsila 8L46F
Speed at design draft	18 knots
Operating Power	8,100 kW *
MCR	9,600 kW
RPM	514

RANGE & CONSUMPTION

M/E Fuel Consumption†	36.7 MT/Day
M/E & D/G Fuel (no reefers)	38.8 MT/Day
Range (MGO)	11,500 nm

TANK CAPACITIES

Marine Gas Oil	1,450 m ³
Fresh Water	380 m ³
Ballast Water	TBD m ³

Legend:

 40' Container
 53' Container

Notes:

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



DRWN CMB
CHKD EVR
DATE 05-03-11
FILE 2010-083



U.S. Maritime Administration

AMERICAN MARINE HIGHWAY
DESIGN CONCEPT

TYPE	Medium 18kt LoLo	2010-083-050-21
CLASS	Container	Sheet 1 of 1 Rev. -