

## DESIGN PURPOSE AND ADVANTAGES

90M SEA-RIVER TYPE GENERAL CARGO VESSEL MAINLY DEVELOPED AND DESIGNED FOR EUROPEAN SHORT SEA TRANSPORTATION. IT IS A MODERN, ENERGY EFFICIENT AND LESS LIGHTWEIGHT VESSEL WITH SIMPLE CONSTRUCTION. AIR DRAUGHT, DIMENSIONS, POWER DEMAND AND EMISSION FOOT-PRINT OPTIMIZED. IT CAN CARRY DANGEROUS GOODS (ALSO AS PER CEVNI REQ.) INSIDE FULLY BOX SHAPED CARGO HOLD.

## MAIN DIMENSIONS

LENGTH O.A	89.90 m
LENGTH B.P.P	84.50 m
BEAM MLD.	15.60 m
DEPTH MLD.	7.35 m
DRAUGHT DESIGN	5.70 m
DEADWEIGHT @ TDESIGN	5200 ton
GROSS TONNAGE	3345 ton
NET TONNAGE	1980 ton
SPEED @ TDESIGN	10.50 knot

## OPTI-COASTER 5200

BASIC FUNCTION	TRANSPORT OF BULK, STEEL COILS, CONTAINERS, FOREST PRODUCTS, GENERAL CARGO, ETC.
TYPE OF VESSEL CLASSIFICATION	MPP/GENERAL CARGO BUREAU VERITAS I ✕ Hull ✕ Mach AUT-UMS,IWS FINISH-SWEDISH ICE 1B OCEAN GOING-CEVNI
SERVICE AREA	OCEAN GOING-CEVNI
FLAG	DUTCH
HEAVY CARGO	18 t/m <sup>3</sup>
EQUIPPED FOR DANGEROUS GOODS ACC. TO SOLAS REG. 19 II-2	

## AUXILIARY EQUIPMENT

HOT WATER HEATER	
MAIN DIESEL GENERATOR SET	3 x 130 EKW, 3x400V 50 HZ
1 EMERGENCY/HARBOR GENERATOR SET	100 KW - 50 HZ
BALLAST WATER TREATMENT SYSTEM	300 m <sup>3</sup> /h (US COAST GUARD APPROVED)
CENTRAL COOLING WITH BOX COOLER	
1 CO2 FIRE FIGHTING SYSTEM FOR CARGO AREA	

## PROPULSION SYSTEM

MAIN ENGINE	1920 kW YANMAR 6EY26W-750 RPM MEDIUM SPEED/TIER III
BOW THRUSTER	350 kW E DRIVEN WITH FREQUENCY CONVERTER
PROPELLER	1 x FIXED PITCH TYPE
RUDDER	HIGH EFFICIENCY, FLAP TYPE



# OPTI-COASTER 5200



**GREEN SILENT EFFICIENT**

## ACCOMMODATION

12 SINGLE CABINS FOR CREWS & MASTER & PILOT/OWNER WITH HEATING, VENTILATION AND AIR-CONDITIONING WEST EUROPEAN INTERIOR STANDARTS

## HOLD DETAILS

HOLD DIMENSIONS	61.60 x 13.20 x 8.20 m
HOLD CAPACITY	235459 cbft
VENTILATION	6 CHARGE PER HOUR
10 PIECES PONTOON TYPE STEEL HATCH COVER HANDLED BY GANTRY CRANE	

## NAV-COM EQUIPMENT

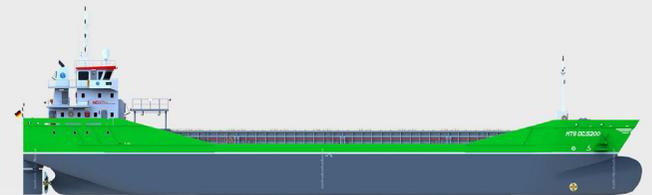
AS PER GMDSS A1+A2+A3 REQ.

## DECK MACHINERY

2 x ANCHOR-MOORING WINDLASS AT FWD  
2 x MOORING WINCH AT AFT

## OPTIONS

SHAFT GENERATOR  
LOADING AGROUND  
FINISH-SWEDISH ICE 1A  
CONTROLLABLE PITCH PROPELLER  
LNG FUELLING SYSTEM FOR ENGINES  
COMPOSITE PONTOON HATCHES COVERS  
BATTERY HYBRID SYSTEM FOR PROPULSION

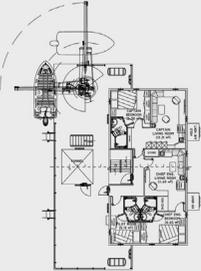


# 5200 DWT MPP/GENERAL CARGO GENERAL ARRANGEMENT

**BRIDGE DECK**  
1600 AB. B.L.



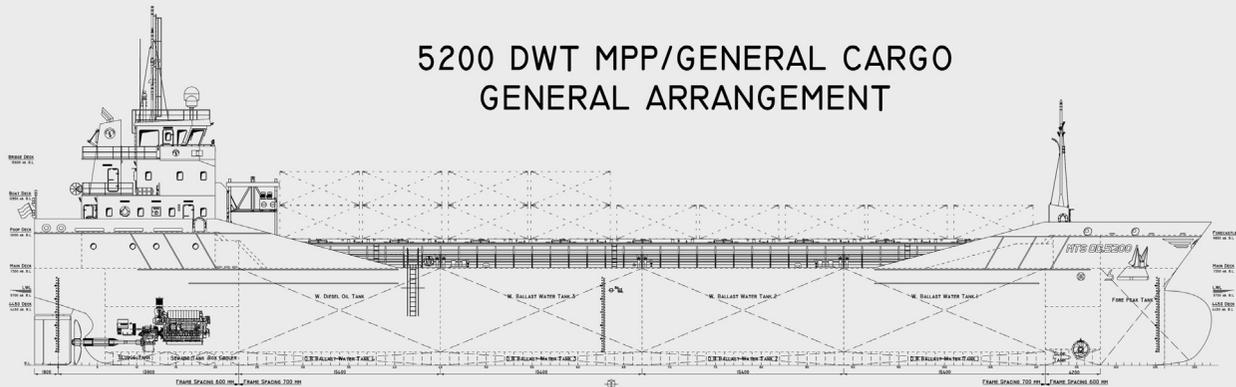
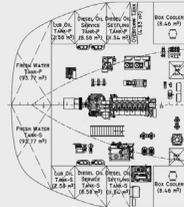
**BOAT DECK**  
12850 AB. B.L.



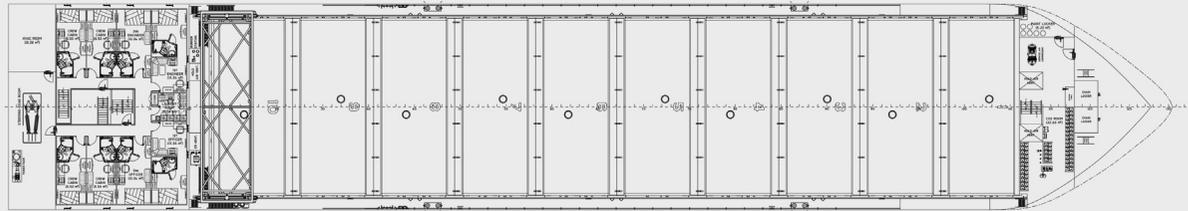
**POOP DECK**  
10100 AB. B.L.



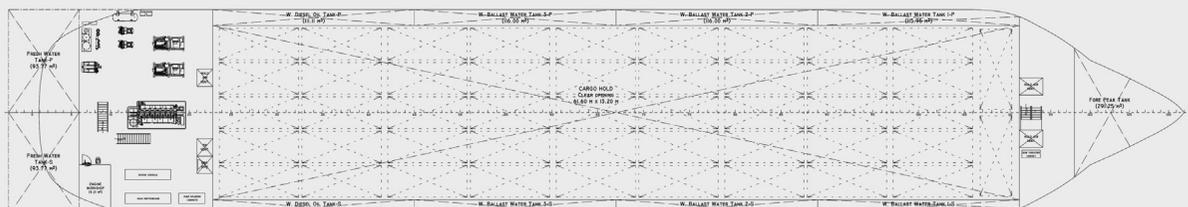
**ENGINE ROOM PLATFORM**



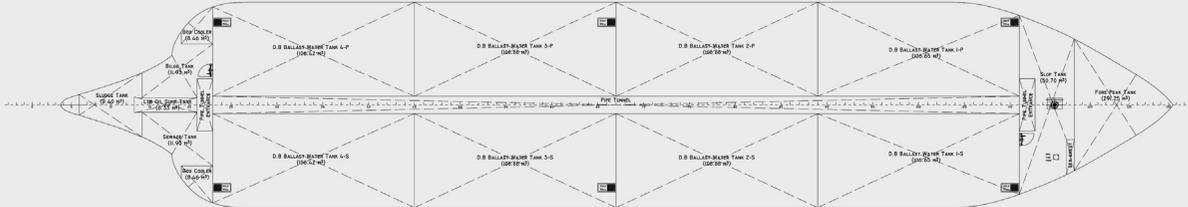
**PROFILE VIEW**



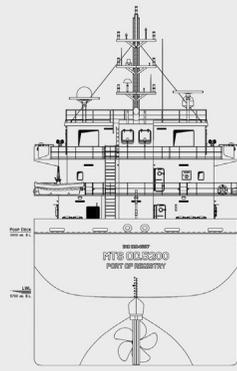
**MAIN DECK**  
7350 AB. B.L.



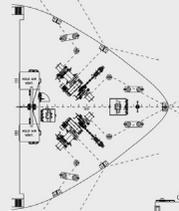
**4450 DECK**  
4450 AB. B.L.



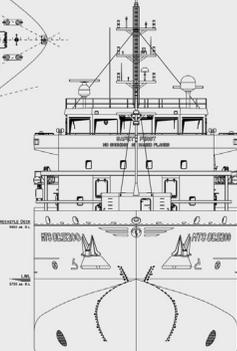
**TANK TOP**  
1000 AB. B.L.



**AFT VIEW**



**FORECASTLE DECK**  
9850 AB. B.L.



**FORE VIEW**

PRINCIPAL PARTICULARS	
LENGTH OVERALL	89.90 M
LENGTH WL	86.55 M
LENGTH BPP	86.50 M
BREADTH MOLDED	12.50 M
DEPTH MOLDED	7.35 M
DRAUGHT SCANTLING	5.70 M
DRAUGHT DESIGN	5.70 M
DEADWEIGHT DESIGN	ART. 5200 TON
GROSS TONNAGE (GRT)	ART. 3540
NET TONNAGE (NRT)	ART. 1980
MAIN ENGINE	YANMAR GETZOW-750 RPM/TIER III
SPEED DESIGN	10.50 KNT
PROPELLER	1 x FP WITH FREQUENCY CONVERTER
TANK CAPACITIES	BALLAST WATER 1740 M <sup>3</sup>
	DIESEL OIL 264 M <sup>3</sup>
	FRESH WATER 187 M <sup>3</sup>
	W. HOLD 58 M <sup>3</sup> / 25500 GRT
HOLD CAPACITY	ON HATCH COVERS 45 TEU
HOLD DIMENSION (FULLY BOXED) AT 60 x 13.20 x 8.20 M	TOTAL 208 TEU
CONTAINER CAPACITY	CONTAINERS 400 UNITS
	GENERAL CARGO ETC.
MOVABLE BULKHEADS	2 x WITH TOTAL 7 POSITIONS
EQUIPMENT NUMBER	OCEAN GOING
SERVICE AREA	TRANSPORT OF BULK, STEEL COALS,
BACK FUNCTIONS	CONTAINERS, FOREST PRODUCTS,
	GENERAL CARGO, ETC.
CLASSIFICATION	BUREAU VERITAS 1 HULL MACH 400 UNITS
	CONTAINER CARGOES
	HEAVY CARGO UP TO 18 TON (17A MIN)
	DANGEROUS CARGO TO SOLAS II-2 REGULATION 19
	FINISH-DINENSH-ICE CLASS B
	INWATER SURVEY
FLAG	LOADING APPROVED
	OUTCH

**matisis**  
MARINE & ENGINEERING

GENERAL ARRANGEMENT

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