

## DIMENSIONS

LENGTH O.A	89.96 M
LENGTH B.P.P	84.52 M
BEAM MLD.	11.42 M
DEPTH MLD.	6.25 M
DRAUGHT DESIGN	4.75 M
AIR DRAUGHT @ T=3 M	8.50 M
DEADWEIGHT @ TDESIGN	3210 TON
DISPLACEMENT	4277 TON
GROSS TONNAGE	2140 TON
NET TONNAGE	1070 TON
SPEED @ TDESIGN	11 KNOT

## OPTI-COASTER 3210

TYPE OF VESSEL	MPP/GENERAL CARGO
CLASSIFICATION	CLASS NK
SERVICE AREA	OCEAN GOING
FLAG	DUTCH

## PROPULSION SYSTEM

MAIN ENGINE	1471 kW
BOW THRUSTER	FOUR CHANNEL
PROPELLER	FPP

## ACCOMMODATION

FOR CAPTAIN AND CREW TOTAL 10 PEOPLE  
WITH HEATING, VENTILATION AND AIR-CONDITIONING

## AUXILIARY EQUIPMENT

1 DIESEL GENERATOR SET  
1 EMERGENCY/HARBOR GENERATOR SET  
1 CO2 FIRE FIGHTING SYSTEM FOR CARGO AREA  
12 CHARGE PER HOUR CARGO VENTILATION

## HOLD DETAILS

HOLD DIMENSIONS	60.60 x 9.20 x 7.10 M
HOLD CAPACITY	140550 CBFT
HATCH COVERS	PONTOON HATCHES



# OPTI-COASTER 3210



**GREEN SILENT EFFICIENT**

## NOTATION

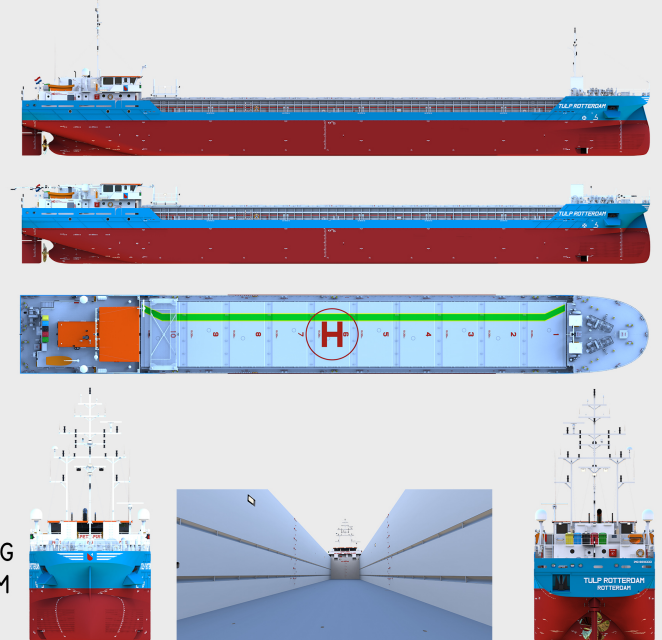
NS\*(BC-XII, GRAB, EQ C DG, EQ C C, PSPC-WBT, NC)  
(IB IS) (IWS) (PSCM) (EA + BILGE CONTROL, GW, GB,  
NOx, SOx, SPC) (BWTS) (IHM) (NVC.A) (MVA) (EEDI-P2)  
MNS\*

## INSTALLATION

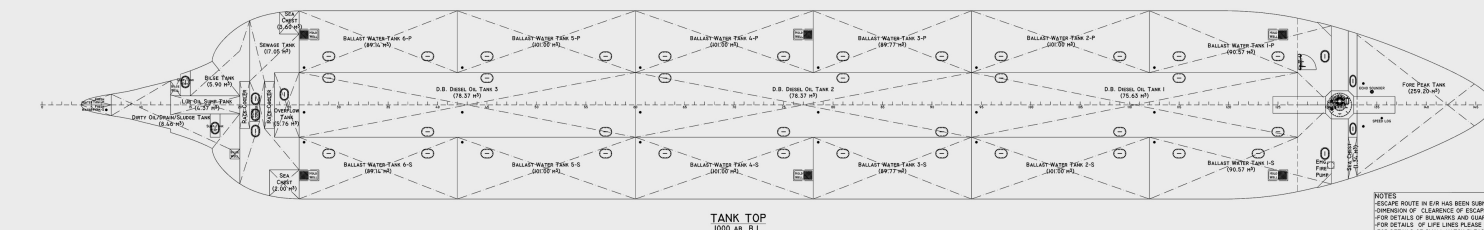
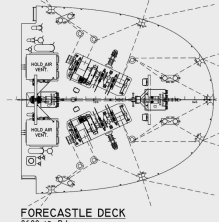
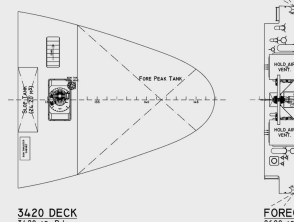
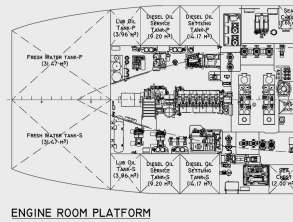
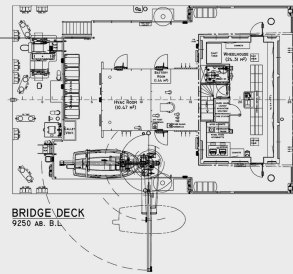
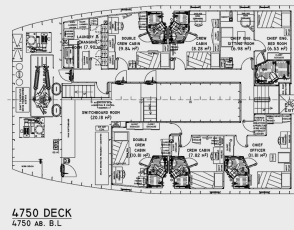
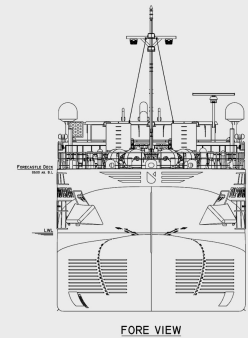
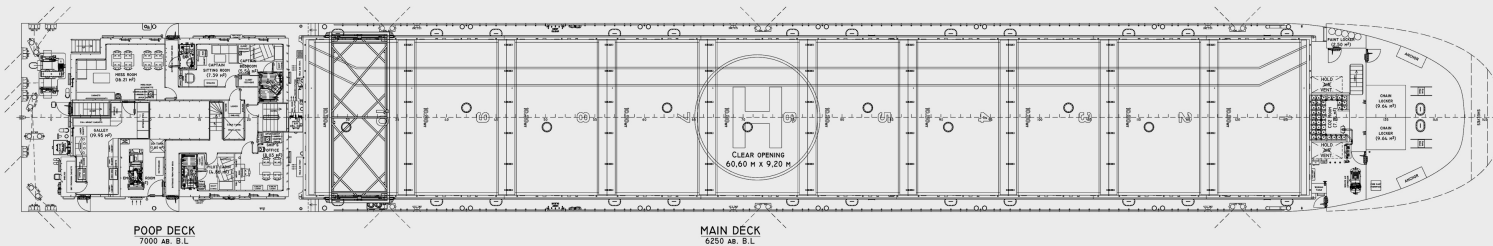
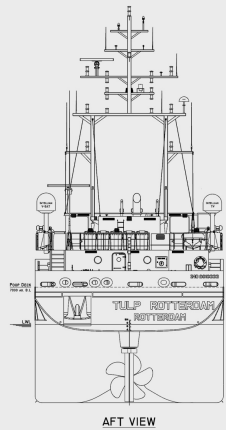
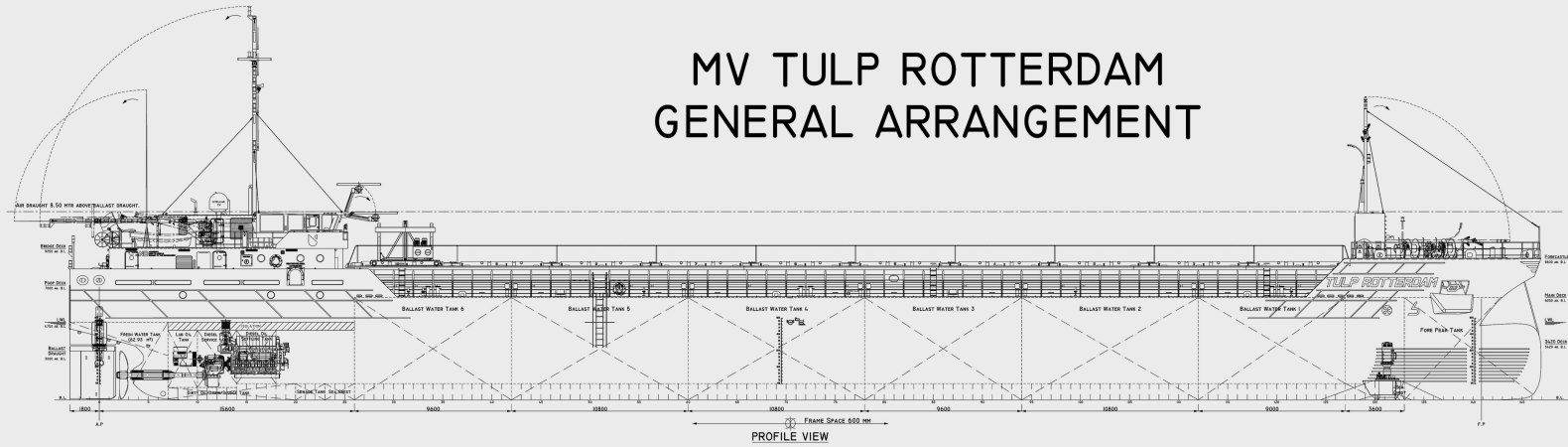
MPP/ LSA/ RCF/ M0.A/ BRSIA / IFC AM/ AFS/ PMM

## DESCRIPTIVE NOTE

BOTTOM STRENGTHENING FOR LOADING AND UNLOADING  
AGROUND (NAABSA), ALTERNATIVE PROPULSION SYSTEM  
(TAKE ME HOME)



# MV TULP ROTTERDAM GENERAL ARRANGEMENT



PRINCIPAL PARTICULARS	
LENGTH OVERALL	89.06 m
LENGTH WL	80.32 m
LENGTH BPP	84.32 m
BREADTH MOULDED	11.42 m
DEPTH MOULDED	4.25 m
DRAUGHT SCANTLING	4.75 m
DRAUGHT DESIGN	4.75 m
DRAUGHT BALLAST	3.00 m
AIR DRAUGHT IN FULLY LOADED CONDITION	8.20 m
AIR DRAUGHT IN FULLY LOADED CONDITION	8.75 m
DISPLACEMENT	ABT. 1577 ton
DEADWEIGHT @DESIGN	ABT. 3500 ton
DEADWEIGHT @TUSH	ABT. 1854 ton
GROSS TONNAGE (GRT)	ABT. 2140
NET TONNAGE (NRT)	ABT. 1070
MAIN ENGINE	1571 kW (YANMAR 6E20V-750 80HP)
SPER. @DESIGN	ABT. 1070
FRESH W. TANK CAPACITY	100.0 m <sup>3</sup>
BALLAST W. TANK CAPACITY	1504 m <sup>3</sup> (TANKS PSPC COATED)
HOLD CAPACITY	1504 m <sup>3</sup> (TANKS PSPC COATED)
MOVABLE BULKHEADS	2 X WITH TOTAL 7 POSITIONS
TANK TOP STRENGTH	18 TYP (174.5 MPa)
EQUIPMENT NUMBER	...
SECURE AREA	... OCEAN GOING
CLASSIFICATION	... OCEAN GOING
NOTATION	NS'18C-XII GRAB. EG C DG. EG C C. PSC-WET. NO. 08 (IS) (DWS) (DSCD) EG - BULGE CONTROL. LW. GR. ND. SdX. SPC1 (BWT) (HRS) (DNC-A)
INSTALLATION CHARACTERS	HPV LSA / RC7 / 90-A /
DESIGNER	...
DESIGNER'S NOTE	BESITA / IFC-AM-AREZ-PREI LOADING AND UNLOADING AGROPHO (MARBAL) ALTERNATIVE PROTECTION SYSTEM (TAKE ME HOME) DUTCH

**NOTES**  
 ESCAPE ROUTE IN S/EH HAS BEEN SUBMITTED TO DWS NO. 440.04  
 DIMENSION OF CLEARANCE OF ESCAPE TRUNGS ARE MIN. 800x800 mm  
 FOR DETAILS OF BULKHEADS AND GUARDRAILS PLEASE SEE DWS NO. 274.040  
 FOR DETAILS OF LIFE LINES PLEASE SEE DWS NO. 324.002  
 FOR DETAILS OF SWALL WATER PLEASE SEE DWS NO. 322.002  
 FOR DETAILS OF SIDE SCUTLES AND RECTANGULAR WINDOWS PLEASE SEE  
 DWS NO. 244.000 - NAVIGATION BRIDGE VISIBILITY PLEASE SEE DWS NO. 100.000  
 EMERGENCY FIRE PUMP IS INSTALLED IN BOW THURSTER ROOM

**matisis**  
 marine & engineering

MV TULP ROTTERDAM BY  
 GENERAL CHARACTER

GENERAL ARRANGEMENT