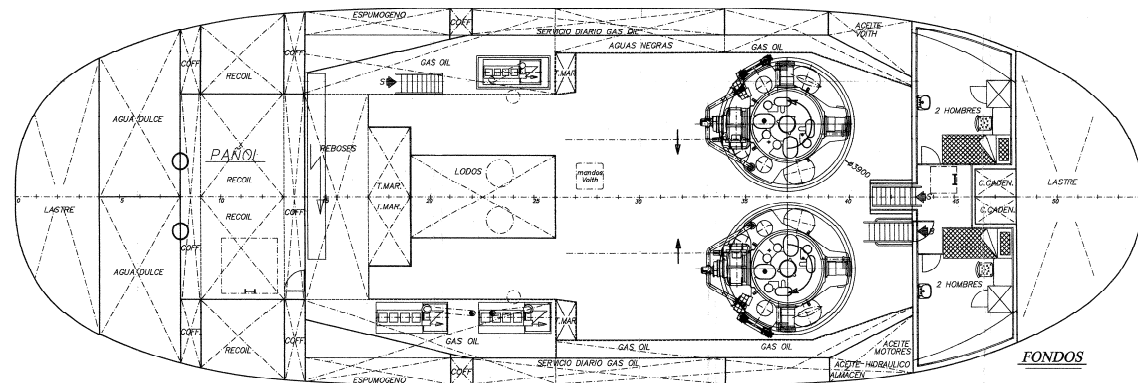
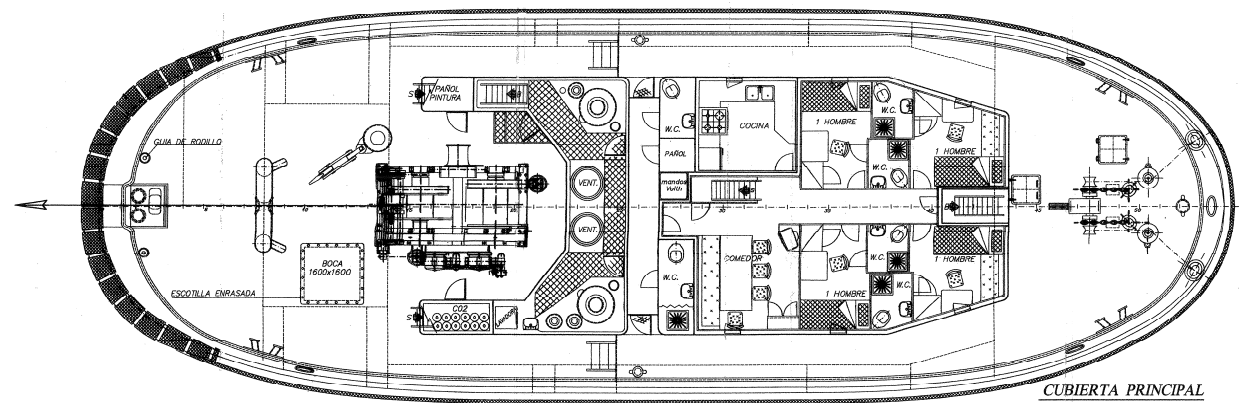
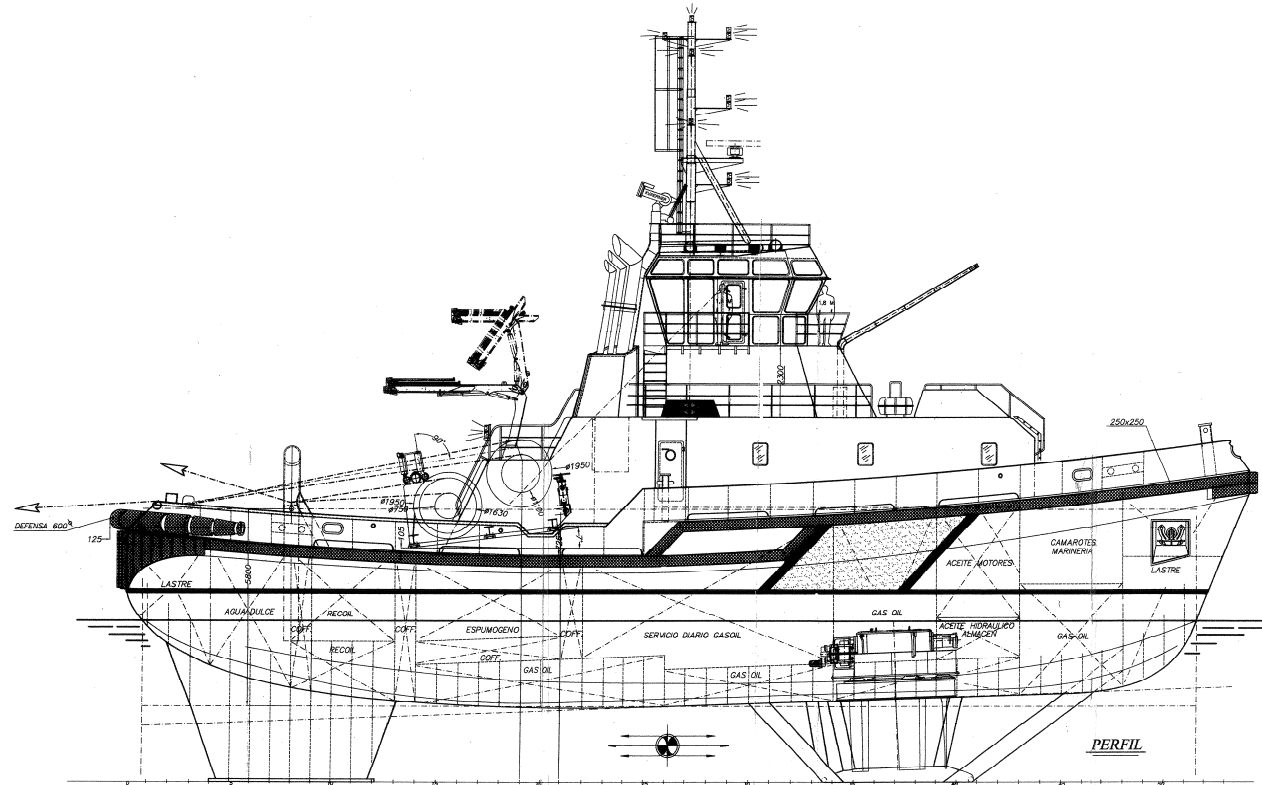




# TRIPMARE S.p.A.

34124 TRIESTE Via Felice Venezian, 1 Tel +39/040/361069 Fax +39/040/630751



## “ALTAIR”

### VSP TUGBOAT

GENERAL

Flag : Italian - Port of Registry : Trieste 779

IMO N° 9211236 - Call Sign. : IJQY

Builders : Astilleros Armon Navia (Spain)

Year / N° of Construction : 2001 / C-499

CLASS

Registro Italiano Navale  
TUG - FIFI 1 - OIL RECOVERY SHIP  
AUT-UMS - AUT-PORT  
Navigation : Unrestricted

MAIN DATA

Gross Tonnage 452 GT  
Net Tonnage 135 NT  
Length Overall 32,5 mts.  
Beam Moulded 11,0 mts.  
Depth Moulded 4,5 mts.  
Maximum Draft 5,9 mts.  
Air Draft 18,0 mts.  
Max Speed 13,5 Kn  
Bollard Pull Max 53 T

ENGINE

Main Engine N.2 ABC 8DZC1000  
Power 2 x 1872 kW at 1000 rpm  
Aux Gen. N.2 CATERPILLAR 3306  
2 x 144 kW 380V 50 Hz  
Port Gen. N.1 VM SUN 4105  
54 kW 380 V 50 Hz

PROPULSION

No.2 Voith Schneider 28 G II

CAPACITIES

Fuel Oil 171 cum  
Lub Oil 25 cum  
Fresh Water 58 cum  
Ballast Water 52 cum  
Foam 12 cum  
Rec-Oil 42 cum  
Sewage 3 cum  
Sludge 7 cum

TOWING EQUIPMENT

N° 1 Hydraulic Waterfall Low Pressure  
Double Drum Towing Winch HATLAPA  
N°1 Drum 700 mts. Galv.IWRC Dia.48 mm.  
N°1 Drum 130 mts. Synthetic Rope Dia. 88mm.  
Brake 720 / 500 KN

Towing Pins KARMOY 130579

Towing Hook FERRI 1514 735 KN

WINDLASS AND ANCHORS

N° 1 Electric Driven Windlass Hatlapa  
N° 2 Anchors  
N° 5 Chain Lengths per Side Dia.22 mm.

NAVIGATION/COMMUNICATION

N° 1 Radar FURUNO  
N° 1 GPS  
N° 1 Automatic Pilot  
N° 1 Echo sounder  
N° 1 NAVTEX  
N° 1 Radar Transponders  
N° 1 EPIRB  
N° 2 Inmarsat Standard "C"  
N° 1 SSB  
N° 2 VHF FURUNO FM8800  
N° 2 VHF GMDSS ICOM GM1600E  
N° 1 AIS FURUNO FA-150

MOB

N° 1 Rescue Boat VALLANT RB400  
N° 1 Outboard Motor : MERCURY 25HP

FIRE FIGHTING

N° 2 Main Pump KVAERNER  
Total Capacity : 2.700 cum/hrs  
N° 2 Remote Controlled Monitors  
Water/Foam With Fog / Spray / Jet Set  
Self Protection : 300 cum/hrs

LIFTING GEAR

N° 1 Hydraulically Driven Deck Crane  
PALFINGER PK 18080M  
SWL 600 kg @ 11 mt

ACCOMMODATION

Accommodations Fully Air Conditioned  
Total Capacity : 8 Persons  
N° 4 Single Rooms with WC and Shower  
N° 2 Double Rooms with Basin  
N° 1 Bathroom with Basin,WC and Shower  
N° 1 Bathroom with Basin and WC

REC-OIL

N° 2 Tanks 10 cum/each  
N° 2 Tanks 11 cum/each  
Tot. capacity 42 cum

N° 1 REC-OIL Pump : 30 cum/hrs  
N° 2 Booms : 6 mts. long with sprinklers  
N° 1 Dispersant Pump

SEWAGE TREATMENT

N° 1 FACET STP – 0,5 (0,56 cum/day)

FRESH WATER PRODUCTION

N° 1 Reverse Osmosis Plant  
3,2 cum/day

REMARKS

Multipurpose Powerful  
Voith Schneider Propulsion Tug  
High Manoeuvrability  
FIFI 1 and Antipollution Systems  
Ocean, Port, Escort Towage