

MT SPINOLA

AVT 37/70 TERMINAL/ESCORT TUG DESIGNED BY ROBERT ALLAN LTD AND BUILT BY ARMON SHIPYARDS (SPAIN)

BUILT: 2009

FLAG: Maltese

CLASSIFICATION:

RINA C-Hull, Mach, Escort Tug, Fire-Fighting Ship 1, Oil Recovery Ship, Unrestricted Navigation, AUT-UMS, AUT-PORT SYS-NEQ-1

DIMENSIONS:

Length O.A 36.65 m
Length BPP: 33.74 m
Beam Max (Moulded): 13.60 m
Beam on 3.25m WL: 13.46 m
Least Moulded Depth: 4.80 m
Extreme Draft: 6.60 m

DEAD-WEIGHT/TONNAGE:

Deadweight at load line draft approx. 300 tonnes
Deadweight at moulded design draft approx. 100 tonnes
GRT 701 tonnes

SPEED / CONSUMPTION:

Max. Speed: 14 kts/ Abt 18 t per day
Econ. Speed: 10.5 kts / Abt. 11 t per day
Harbour Fuel Cons.: Abt. 0.5 t per day

PERFORMANCE:

Bollard Pull: 81 tonnes

TANK ARRANGEMENTS AND CAPACITIES:

Fresh water 72 m³
Fuel approx. 290 m³
Rec-Oil (partially in FO tanks) approx. 210 m³
Foam 17m³
Dispersant 2 m³
Waste Oil approx. 3 m³
Oily Water approx. 3 m³
Sewage approx. 3 m³

Miscellaneous portable tanks for lube oil storage, hydraulic oil tanks, etc.

PROPULSION/MACHINERY:

MAIN ENGINES:

Two engines (MAK 8M25) giving a total output of approx. 2640 kW each at 750 rpm. Total output 5280 kW (7180 BHP). Engines are running on MGO.

PROPELLERS: Two Voith Schneider Propellers 32 R5/265-2

DIESEL GENERATORS: 3 x 150 kW

SUPPLY SYSTEM-VOLTAGE: 380V, 50 Hz

TOWING WINCH:

Towing Winch: One (1) double drum winch 900/820 in "Waterfall arrangement" consisting of:

1. One (1) offshore towing drum (Upper) for long distance towages. Size of drum is 900 mm inner diameter x 2200 mm outer diameter x 1345 mm long suitable for 800 m steel wire rope, 54 mm dia. (minimum breaking load 2090 kN) in 7 layers. Drum de-clutchable with spindle band brake, for a static load of 1300 kN on 1st layer. The winch is fitted with a spooling device which is mechanically/hydraulically driven and designed to handle a tow line angle of 60

2. One (1) harbour towing drum (lower) for harbour/escort service. The split drum accommodates 200 m synthetic rope, 56 mm dia. having a breaking load 2580 kN on 1st layer and 140 m synthetic rope, 80 mm dia. and 20 m synthetic rope pennant 56

mm dia. (total finished length 160 m) having breaking load 2390 kN at 1st layer.

Size of drum is 700 mm inner diameter x 2200 mm outer diameter x 1345 mm long.

DECK EQUIPMENT:

Misc. Deck Equipment

Tugger Winch One (1) single drum tugger winch with warping head supplied by Romagnoli winches having a capacity of 15 tonnes.

Karm Fork 300 t SWL

Guide pins 1 tow pin set, SWL 152 tonnes

Deck Crane One (1) deck crane supplied by Palfinger having a capacity of 1.7 tonnes SWL at 14 metres reach and 2.5 tonnes SWL at 10 metres reach.

Tow Hook Swivel type tow hook, SWL 70 tonnes

Stern roller 3.5 x 1.3 m – 150 t SWL

Work Boat Tripesce type – 6 m – 110 BHP

Deck Area

Clear Deck area Abt 90 m² (without the towing staple) (9 m x 10.80m)

Deck Strength 5t/sqm

Anchoring Equipment

Windlass One (1) electric driven horizontal axis windlass supplied by Talleres Carral.

ACCOMODATION:

Forecastle Deck 4 single cabins

Main Deck 3 double cabins, 1 quadruple cabin

Total 14 persons

Summer Inside +23 degree, 55% relative humidity

Outside +35 degree, 90% relative humidity

Winter Inside +20 degree, 55% relative humidity

Outside 0 degree, 60% relative humidity

LIFE SAVING

Rescue boat One (1) rescue boat inflatable rigid bottom type 3.6 m long complete with 20 HP 4 stroke outboard motor and Di-Davit rescue boat launching system.

Life rafts 2 x 16-person in launching racks

Lifejackets 16 adult size, 4 child size

Lifebuoys 4 (2 with light and smoke signal, 2 with heaving line)

EPIRB One (1) x EPIRB type Sailor SE-406-II

FIRE FIGHTING SYSTEM

Fire Fighting pumps Two (2) main engine driven horizontal mounted single stage centrifugal pumps each having a capacity of 1,356 m³/hr.

Fire Monitors - Two (2) water/foam monitors with step-less control of fog/spray/ jet setting remotely controlled by hydraulic/electric motor. Each monitor has a capacity of 1200 m³/hr water and 300 m³/hr foam.

CORROSION PROTECTION

High quality paint system.