

***Appendice C***  
***Schede Tecniche Mezzi Navali***  
***di Supporto Tipici***

# VOS ATHOS



## GENERAL

Flag	GIBRALTAR
Port of Registry	GIBRALTAR
Built	2012
Class	C tug, supply vessel, fire-fighting ship 1-water-spraying; oil recovery ship, flash point ≥ unrestricted navigation
	DYNAPOS AM/AT R

IMO Number	9609756
Call Sign	ZDNE8

## PRINCIPLE DIMENSIONS

Length Overall	59,25m
Length between perp.	52,20m
Max Draught	4,95
Beam	14,95m
Depth	6,1m
Net Registered Tonnage	503NT
Gross Registered Tonnage	1678GT

**Dead Weight Tonnage**

## MACHINERY & PROPULSION

Total power output	2x1920kw
Main Engines	1920kw
Main Propulsion System	2x2575bhp

Propellers	
Bowthruster	
Bowthruster propellers	
Joystick	

## ACCOMMODATION

Crew Accommodation	28
Passengers	12
Hospital	

## FIRE FIGHTING EQUIPMENT

FiFi 1

## CARGO CAPACITIES

Deck Cargo	500 tons
Deck Area	415m <sup>3</sup> sqm
Deck Strength	tons/m <sup>2</sup>
MDO (cargo)	
Discharge Rate	
MDO (vessel)	529,15m <sup>3</sup>
Potable Water (cargo)	
Discharge Rate	
Potable Water (vessel)	304,80m <sup>3</sup>
Glycol	
Discharge Rate	
Methanol	
Discharge Rate	
Dry Bulk	187m <sup>3</sup>
Discharge Rate	
Drilling and Ball Water	401,89m <sup>3</sup>
Discharge Rate	
Brine	
Discharge Rate	
Liquid Mud	413,08m <sup>3</sup>
Discharge Rate	
Base Oil	
Discharge Rate	

## COMMUNICATIONS EQUIPMENT

VHS	Yes
VHF Radio	Yes
Satellite Communications (Voice / Fax)	Yes
E-mail	<a href="mailto:vosathos@vroonfleet.it">vosathos@vroonfleet.it</a>
Mobile Phone	Yes

## NAVIGATIONAL EQUIPMENT

Navtex Receiver	
DP 1	Yes

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## GENERAL

IMO	9552264
Call sign	IBZY
Place of Built	Fujian SouthEast Shipyard, Fuzhou, China
Flag	Italian
Port of registry	Ancona
Vessel Type	AHTS
Year of Built	2009
Class	RINA
	Tug; supply vessel; fire-fighting ship - 1 - water spraying; unrestricted navigation

## MAIN DIMENSIONS

Length Overall	59,25 m
Length between PP	52,20 m
Beam	14,95 m
Max Draft	4,964 m
Net Registered Tonnage	503 NT
Gross Registered Tonnage	1678 GT
Deadweight	about 1430 t

## MACHINERY & PROPULSION

Main propulsion Number	2 x 1920 KW
Main propulsion Type	CAT 3516-B
Total BHP	5150 HP
Propellers	2 x CPP prop.
Bow thruster	1 x kawasaki 523 BHP
Lateral Thrust	6 t
Main Generators	3 CAT C18 x 383 Kw, 50Hz, 3 ph
Emergency Generators	1 x 65 Kw CAT
Rudders	Kort nozzle / standard

## PERFORMANCES

Fuel Cons. (Full power)	17 m3/day @ 13 kn
Fuel Cons. (Economical Service speed)	10 m3/day @ 10 kn

## ACCOMMODATION

Crew	6 x 1 men + 2 x 2 men + 8 x 4 men
tot	42 men
Passengers	max 12 persons
Hospital	yes

## OTHER EQUIPMENTS

Joy-stick	available
Antipollution equipment-spray booms	available

## CARGO CAPACITIES

Fresh Water	372 m3 - 125m3/hr at 75m head
Drill Water	400 m3 - 100 m3/hr at 75m head
Fuel capacity	540 m3 - 150 m3/hr at 75m head
Liquid Mud ( 4 tanks)	tot: 420 m3 - 2 pumps x 75m3/hr
Dry Bulk	4 Tanks
Clear Deck Area	28 m x 12,5 m = 350 m2
Deck Cargo	500 t

## COMMUNICATIONS EQUIPMENT

HF Radio	Furuno FS 2570
VHF Radio	Furuno FM 8800 S
Portable VHF radio's	3 X McMurdo R2
E.P.I.R.B.	McMurdo E5 SmartFind
GMDSS Compliance	A1 + A2 + A3
Weather Fax	yes
Sat communications	Sat. Inmarsat C Furuno Felcom 15

## NAVIGATION EQUIPMENT

Radar N°1	Furuno MU-201 CR
Radar N°2	Furuno FAR-1510 9 GHz
Echo Sounder	Furuno FE-700
Navtex	Furuno NX 700 B
Gyrocompass	Raytheon Anschutz
Lrit	yes
AIS	yes
Dopler Speed log	yes
GPS	yes

## DECK MACHINERY

Tugger Winch	2 x 10 t
Capstan	2 x 5 t
Deck Crane	1 x 3 t @ 9 m

## TOWING AND ANCHOR HANDLING EQUIPMENT

Bollard Pull	67.5 tons
Winch	2 x MacGregor Plimsoll - Hydraulic
Line Pull	150 t
Brake capacity	200 t
Main Tow Wire	1000 m x 56 mm
Spare Tow Wire	1000 m x 56 mm
Anchor Handling wire	100 m x 56mm
Stern Roller	4,0 m x 1,6 m - SWL 200 t
Tow Pins	2 x 160 t SWL
Shark Jaws	1 x Karmfork 300 t SWL

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**GENERAL**

Place of Build	Fujian South East Shipyard, China
Vessel Type	AHTS
Year Built	2012
Flag	italian
Call Sign	9V9437
Class	rina tug supply vessel-anchor handling; fire-fighting ship-1- water-spraying;unrescticted navigation

**PRINCIPLE DIMENSIONS**

Length Overall	59.25 metres
Beam	14.95 metres
Maximum Draft	4.95 metres
Net Registered Tonnage	503
Gross Registered Tonnage	1500~

**MACHINERY & PROPULSION**

Main Propulsion Number	2
Main Propulsion Type	CAT 3516B Diesel
Total BHP	5150
Propellers	2 x CPP in Fixed Kort Nozzles
Bow Thruster	1 x Kawasaki KT-55B3-390KW-6T thrust
Main Generators	3 x 350 KW diesel driven
Emergency Generators	1 x 65kW diesel
Rudders	Standard

**PERFORMANCES**

Fuel Consumption at Max Speed	approx 18 m3 per day @ 13 knots
Fuel Consumption at Service Speed	approx 10 m3 per day @ 10 knots
Towing	approx 20 m3 per day
Standby	approx 1 m3 per day
Fuel Type	ISO 8217: 2005 DMA or later revisions

**CARGO CAPABILITIES**

Fresh Water	300 m3 @ 100m3 per hr at 75m head
Drill Water	400 m3 @ 100m3 per hr at 75m head
Fuel Capacity (100%)	540 m3 @ 150m3 per hr at 75m head
Liquid Mud	385 m3 @ 70m3 per hr
Dry Bulk	4 X 1650 cu ft each, total 6,600 cu ft
Dead Weight	1400 tons
Clear Deck Area	340 Square Metres
Deck Cargo	500 tons
Deck Loading	7.5 tonnes/sqm

**ACCOMMODATION**

Crew	14
Passengers	28
	(4 x 1-berth, 3 x 2-berth, 8 x 4-berth)
	<b>Total 42</b>

**COMMUNICATIONS EQUIPMENT**

HF radio	Furuno RC-1800T
VHF Radio	2 x Furuno FM-8800S
Portable VHF Radio's	3 x McMurdo R2 Handheld
Satellite Communications (Voice and Fax)	Mini M
E.P.I.R.B	McMurdo SMARTFIND E5
GMDSS Compliance	Area A3

**NAVIGATION EQUIPMENT**

Radar No. 1	X-Band Furuno FAR-2117
Radar No. 2	X-Band Furuno FR-1510 MARK-3
GPS	GP 150
Echo Sounder	Furuno FE 700
Navtex	NX 700
Auto Pilot	Nautopilot NP 60
Gyro Compass	Anchutz STD 22
DP System	Marine Tech

**DECK MACHINERY**

Tugger Winch	2 x 10 tons @ 15m/min
Capstan	2 x 5 tons @ 15m/min
Deck Crane	1 x 3 tonnes @ 9 m

**TOWING & ANCHOR HANDLING**

Bollard Pull	69.5 tons
Winch	Mentrade Waterfall Type
Line Pull	150 tons
Brake Capacity	200 tons
Anchor Handling Wire and Towing Wire	100m and 1000m - 56mm
Anchor Handling Wire Capacity	150 m x 56 mm
Tow Drum Capacity	1000 m x 56 mm
Spare Tow Wire Capacity	1000 m x 56 mm
Stern Roller	4.4 m x 1.6 m - SWL 200 tonnes
Tow Pins	2 x Closed Top Type - 200T SWL
Shark Jaws	1 set of Karmfork - 200T SWL

**LIFE SAVING APPARATUS**

Liferafts	Total 6, capacity 150 men
Rescue Boat	25 HP OBM, capacity 6 men

**EXTERNAL FIRE FIGHTING**

Capacity	FIFI 1 - 2 x 1200 cu m per hr
Monitor	2
Throw x Height	120 m x 50 m

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