

## LAMNALCO FISA



### General

Vessel type	Berthing/ SBM Maintenance/ FiFi Tug
Year Built/ Builder	1997, Flicker – 1998/ Fujian Fishery Shipyard
Classification	BV + Hull + Mach Special Service – Anchor Handling Unrestricted Navigation

Flag	Cyprus
Call Sign	P3BS9

GRT/ NRT	443/133
Deadweight	350 m/t

### Dimensions

LOA x Beam x Depth Mld.	37.0m x 10.6m x 4.95m
Design Draft	4.00m

### Cargo Deck

Clear Deck Space	15 x 7m approx./ 15 x 8m approx. – Flicker
------------------	--

### Cargo Capacities

Fuel Oil	320m3 (29.6m3 can be used for either 14.8m3 fuel/foam & 14.8m3 fuel/dispersant)
Fresh Water	86m3
Fuel Transfer	30m3/hr @ 60m head
Fuel Oil Meter	Load/discharge meter

Fresh Water Transfer  
Refrigerated Storage

36m<sup>3</sup>/hr @ 60m head  
Cooler 0.5m<sup>3</sup>, freezer 0.5m<sup>3</sup>

**Propulsion Machinery**

Main Engines

2 x YANMAR Z280A-EN diesel engines producing 2000 BHP each @ 720 rpm. 4000 BHP total

Bollard Pull

60 m/t

Gearbox

2 x YX-3000 reverse reduction gearboxes of 3.5:1 ratio

Bow Thruster

Ulstein 45-TV250kW-3.7T thrust

Propellers

2 x solid propellers 2900mm diameter, 4-bladed Kaplan type manganese bronze in kort nozzles

Steering Gear

Electro hydraulic

Generators

3 x DD 8V-92, 300 KW 240KVA, 380 volts, 50Hz

Full Service Speed

13 knots @ approx. 13 m/t per day

Economical Speed

10 knots @ approx. 8.5 m/t per day

Endurance

7200 nm @ 12 knots

Fuel Oil Purifier

Mitsubishi self cleaning SJ-700 fuel oil purifier

Lube Oil Purifier

Mitsubishi self cleaning SJ-11T lube oil purifier

**Deck Equipment/ Mooring System**

Towing/ AH Winch

BRAVTAAG single drum hydraulic winch with remote controls in wheelhouse.

140 m/t brake capacity

75 m/t line pull @ 10.6 m/min.

750m x 52mm wire

Towing Hook

MAMPAEY quick release rated @ 75 t

Towing Pins & Sharkjaws

Ulstein combination unit

Tugger Winch/ Capstan

BRATVAAG 5.5 tons line pull @ 14m/min.

Wire Storage Reels

2 x 6 tons line pull at 12m/min hydraulic wire storage reels of 750m x 52mm SWR capacity

Stern Roller

Approx 3.6m x 1.5m (dia.), SWL 250 tons

Fendering

Flat bar doubler plates of 10" x 40mm cross section welded to side shell. At bow, rubber fenders of approx. 250mm (Falcon 300mm)

thick section secured vertically, water cooled

Anchor Windlass

Hydraulic 6 t @ 12m/min. BRATVAAG

Anchors

2 x 680kg stockless anchors

Anchor Chain

2 x 22m, 26mm U2 steel stud link chain

**Navigation/ Communication Equipment**

Radars

1 x X-band daylight type radar c/w 6' scanner, JRC model JMA-3625 (96nm).

1 x Furuno M1832

Radio(s)

Radio synthesised 250W, 24V DC/240V AC with manual cover to emergency supply antenna feeder through insulator & whip & standoff insulators c/w DSC & NBDP to meet GMDSS requirements. JRC model JSS-800

2 x VHF/FM multi-channel marine radio-telephones. JRC model JHS-32A

Gyro & Autopilot

Tokimec ES-110. Autopilot-Furuno model FAP-300

Weather Facsimile

1 x JRC model JAX-9

Other Navigation Equipment

INMARSAT-C, EPIRB, Radar Transponder, P.A. System c/w fog horn signal, Navtex Receiver, GPS Navigator, wind speed and direction meter.

All equipment makes/models are as stated or equivalent.

**Accommodation**

Fully air conditioned	
Single Berth	2
Double Berth	2
Four Berth	2
Total Berths	14

**Fire/ Lifesaving Equipment**

Off Ship Fire Fighting	Capacity 360m <sup>3</sup> /hr underdeck installation
No. of Monitors	2 foam/water
On Ship Safety	Firefighting to meet Solas requirements
Liferafts	2 x 15 men
Lifesaving	To meet SOLAS requirement
EPIRB	Fitted

**Anti Pollution Equipment**

Dispersant Booms	2 x 4m
Dispersant Tank	14.8m <sup>3</sup>
Foam Tank	14.8m <sup>3</sup>

02/02/05