



Specification of
SUPPLY / ANCHOR HANDLING /
TOWING VESSEL
VALENTINE 2



Valentine Maritime (Gulf) LLC



SUPPLY / ANCHOR HANDLING / TOWING VESSEL
VALENTINE 2

1. **NAME OF VESSEL** : **VALENTINE 2**
2. **OWNERS** : Valentine Maritime (Gulf) LLC
3. **YEAR BUILT** : 1998
4. **BUILDERS** : Pandan Bahari Shipyard Pte. Ltd., Singapore
5. **FLAG** : U.A.E.
6. **PORT OF REGISTRY** : Abu Dhabi
7. **GT** : 494
8. **NT** : 148
9. **DECK STRENGTH** : 3.00 MT / M²
10. **DEAD WEIGHT / DISPLACEMENT**
 - Light Ship Weight : 588.88 MT
 - Deadweight : 366.78 MT
 - Displacement : 955.66 MT
11. **SPEED** : 12 Knots
12. **FUEL CONSUMPTION** : 10.00 MT / DAY
13. **BOLLARD PULL** : 46.7 MT
14. **HULL**
 - a. Type of Vessel : Supply / Anchor Handling / Towing Vessel
 - b. Classification : ABS + A1, Towing Vessel + AMS
 - c. Dimensions : Length O.A. 39.60 mtr (129.92 feet)
Length 37.11 mtr (121.75 feet)
Breadth 10.00 mtr (32.80 feet)
Depth 4.20 mtr (13.78 feet)
Draft 3.60 mtr (11.81 feet)
Air Draft 18.50 mtr (60.69 feet)
 - d. Fenders : Heavy Duty rubber tire Fenders at regular intervals.
 - e. Mooring / Towing Fittings : Equipped with necessary bollards bits, and Towing / Anchor Handling Winch.



15. PROPULSION SYSTEM / THRUSTERS

MAIN ENGINE	:	2 x 2000 BHP @ 720 rpm
MAKE	:	YANMAR
MODEL	:	Z 280A – EN
PROPELLER	:	2 Nos. x Fixed Pitch, 4 Bladed in KORT nozzle.
BOW THRUSTER	:	1 No. x FP SCHOTTEL (TYPE STT 060 LK) installed in a transverse tunnel and driven by 125 KW Electrical motor giving a thrust of 1.90 MT \approx 17.50 KN

16. TOWING / ANCHOR HANDLING ARRANGEMENT

Vessel is equipped with a Double Drum Electro Hydraulic waterfall type winch.

MAKE	:	PLIMSOLL
CAPACITY	:	75.00 MT First Layers @ 4.8 mtr / min (Low Speed)
	:	37.50 MT First Layers @ 9.6 mtr / min (High Speed)
BREAKING CAPACITY	:	120 MT
TOWING DRUM CAPACITY	:	75.00 MT, 50 mm DIA. 750 mtr Long wire Rope.
ANCHOR HANDLING DRUM	:	75.00 MT, 36 mm DIA. 100 mtr Long wire Rope.
STERN ROLLER	:	5 mtr Length x 1.8 mtr Diameter.
SHARK JAWS	:	PLIMSOLL 200 Hydraulic Operated – 200 T
CONTROLS	:	Anchor Handling Winch, Remotely from Wheel House.
	:	Shark Jaws, Remotely from Wheel House.

17. MOORING SYSTEM

- 1 No. x 3.7 MT Plimsoll Electro–Hydraulic windlass on the forecastle deck.
- 1 No. x 5.0 MT @ 10 mtr/min. Plimsoll Electro-Hydraulic Tugger winch.



18. SERVICE TANKS

Fresh Water capacity : 97.30 Cu.M.
Fuel capacity : 337.00 Cu.M.

19. BUNKER DISCHARGE RATES

Fuel : 12 m³ / hr @ 30 mtr head
Fresh Water : 40 m³ / hr @ 35 mtr head

20. ACCOMMODATION

Vessel is equipped with air-conditioned quarters for 16 personnel. The available cabins are as follow:-

Single - Berth Cabin : 2 Nos.
Twin - Berth Cabin : 7 Nos.

21. AIR CONDITIONING SYSTEM

Vessel is equipped with A/C and AHU units (2 Nos.).

MAKE : DAIKIN
MODEL : 8 HC 38C-F YE

22. VESSEL POWER

- 3 Nos. x 90 kW Alternator Driven by CUMMINS 6CT83 Engine (50 Hz, 415V) as Main Generator.
- 1 No. x 135 kW Generator powered by CAT Engine (50 Hz) as Emergency Generator.

23. OILY WATER SEPERATOR

1 No. x 0.5 m³ / hr, 15 PPM, Make : Taiko Kikai

24. SEWAGE TREATMENT

Vessel is equipped with Screw type Sewage pump and Sewage holding tank.

MAKE : HAMWORTHY
MODEL : 572

25. AIR COMPRESSORS

2 Nos x 34.5 m³ / hr @ 30 BAR, Ingersoll Rant Air compressor



26. MAIN WORKING DECK

Clear Deck space is 14 mtr x 6.7 mtr i.e. 93.8 m².

27. COMMUNICATION / NAVIGATION EQUIPMENT

- GMDSS Equipment for Sea Area A1+A2+A3
- GMDSS TWO-WAY RADIO 3 Units
Make : SAILOR, SP3520, ENTEL HT649
- SATCOM INMARSAT C. 1 Unit
Make : FURUNO, Model : FELCOM-15
- MF / HF (GMDSS) 1 Unit
Make : JRC JSS-2150
- S S B: ICOM IC-M710 1 Unit
- VHF 2 Units
Make : FURUNO, Model : FM-8500
Make : SAILOR, 6222
- RADAR 2 Units
Make : FURUNO, Model : 1832
Make : KODEN MRD100P
- GYRO COMPASS 1 Unit
Make : TOKIMEX, Model : ES-110
- MAGNETIC COMPASS 1 Unit
Make : DAIKO, Model : T-150 B
- AUTO PILOT 1 Unit
Make : SIMRAD Model : AP-5
- ECHO SOUNDER 2 Units
Make : JMC F-3000W
- EPIRB 1 Unit
Make : McMurdo E5
- GPS NAVIGATOR 1 Unit
Make : FURUNO, Model : GP80
- BAROMETER 1 Unit
Make : Plastimo
- NAVTEX RECEIVER 1 Unit
Make : NAV5 GMDSS
- P.A SYSTEM 2 Units
Make : SOLID STATE, Model : HL 555
- AIS 1 Unit
Model : KODEN class A AIS transceiver



28. SEARCH LIGHTS

Vessel is equipped with search lights to cover the working areas in BOW and STERN.

29. FIRE FIGHTING EQUIPMENTS / FACILITIES

Fire Pumps

- 1 No. x 165 m³ @ 31 mtr head, DESMITHSKE General Service pump (SA80-190/10)
- 1 No. x 25 m³ / hr, Matsusaka Fire Pump (QP-2055)

Fire Fighting System / Extinguishers

- CO₂ Fire Extinguishing system for Engine Room.
- Fire Extinguishers : As per SOLAS / CLASS Requirement

30. HEAT AND SMOKE DETECTION

Fixed Fire detectors are installed in all Cabins, Corridors, Service area and Machinery Space. The control panel is installed at the Bridge.

Make : ELTEK, Model : ANX-95

31. LIFE SAVING APPLIANCES

- **Life Rafts / Life Jackets**
As required by Flag / Class Society.
- **Life Buoys & MOB**
As required by Flag / Class Society.
- **Pyrotechnics**
As required by Flag / Class Society.
- **Rescue Boat**
As required by Flag / Class Society.

GENERAL ARRANGEMENT PLAN - VALENTINE II

