



Specification of
ANCHOR HANDLING / TOWING VESSEL
VALENTINE-3



Valentine Maritime (Gulf) LLC



ANCHOR HANDLING / TOWING VESSEL
VALENTINE-3

1. **NAME OF VESSEL** : VALENTINE-3
2. **OWNERS** : Valentine Maritime (Gulf) LLC
3. **YEAR BUILT** : 1997
4. **BUILDERS** : YANTAI RAFFLES SHIPYARD LTD, CHINA
5. **FLAG** : U.A.E
6. **PORT OF REGISTRY** : Abu Dhabi
7. **GT** : 484
8. **NT** : 145
9. **DECK STRENGTH** : 3.00 MT / M²
10. **DEAD WEIGHT / DISPLACEMENT**
 - Light Ship Weight : 587.72 MT
 - Deadweight : 415.32 MT
 - Displacement : 1,003.04 MT
11. **SPEED** : 12 Knots
12. **FUEL CONSUMPTION** : 8.00 MT / DAY
13. **BOLLARD PULL** : 42.90 MT
14. **HULL**
 - a. Type of Vessel : AHT / TOWING / SUPPLY / Ocean Going Vessel.
 - b. Classification : Bureau Veritas, I 3/3 E, Tug, Deep Sea
 - c. Dimensions : Length O.A. 38.80 mtr (127.29 feet)
Length 36.08 mtr (118.37 feet)
Breadth 11.40 mtr (37.40 feet)
Depth 4.95 mtr (16.24 feet)
Draft 4.00 mtr (13.12 feet)
Air Draft 21.00 mtr (68.89 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 Nos. × 2000 BHP @ 720 rpm
Make	:	YANMAR
Model	:	Z 280A – EN
Propeller	:	2 Nos. × Fixed Pitch, 4 Bladed KAPLAN Type Manganese Bronze with KORT nozzle.
Bow Thruster	:	1 No. × CPP Kawasaki thruster (KT – 32B) installed in a transverse tunnel and driven by 230 KW Electric Motor giving a thrust of 3.60 MT ≈ 34 KN ≈ 308 BHP.

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 @ 8.00 mtr / min 37.50 MT mid Layers @ 16.00 mtr / min
Breaking Capacity	:	150 MT
Towing Drum Capacity	:	48 mm Dia x 800 mtr Long Wire Rope (Max)
Anchor Handling Drum	:	48 mm Dia x 800 mtr Long Wire Rope (Max)
Stern Roller	:	3.50 mtr Length x 1.5 mtr Diameter.
Towing Pins	:	PLIMSOLL 200T
Shark Jaws	:	PLIMSOLL PR – HLJ – 300 T
Controls	:	Anchor Handling Winch Locally & Remotely from Wheel House. Towing Pin / Shark Jaws Locally & Remotely from Wheel House.

17. MOORING SYSTEM

- 1 No. × 6.00 MT @ 10 mtr / min (Double Gypies) Electro – hydraulic windlass on the forecastle deck, Make : Plimsoll Robertson.
- 1 No. × 5.0 MT @ 15 mtr / min., Electro-Hydraulic Tugger Winch in the PORT side of Main Deck, Make Plimsoll



18. SERVICE TANKS

- 1 No. Fresh Water Tanks with total capacity of : 84.00 Cu.M.
- 1 No. Fuel Tank with total capacity of : 350.00 Cu.M.

19. BUNKER DISCHARGE RATES

Fuel : 10 m³ / hr @ 18 mtr head
Fresh Water : 10 m³ / hr @ 18 mtr head

20. ACCOMMODATION

Vessel is equipped with air-conditioned quarters for 17 personnel. The available cabins are as follow:-

Single - Berth Cabin : 3 Nos.
Twin - Berth Cabin : 3 Nos.
Four - Berth Cabin : 2 Nos.

21. AIR CONDITIONING SYSTEM

Vessel is equipped with 3 No. A/C and AHU units.

Make : 2 X CARLYLE / 1 X CARRIER
Model : 06 EA 550600 / 40RQ – 016 – 033.25

22. VESSEL POWER

- 3 Nos. x 300 kW, LEROY SOMER LSA M 47 – I L9 C6 / 4 Generator Driven by CAT D 3408 TA Engine (50 Hz) as Main Generator.
- 1 No. x 50 kW, LEROY SOMER LSA M 441M 3 Generator powered by PERKINS 4 TGM / 01 Engine (Capacity, 50 Hz) as Emergency Generator.

23. OILY WATER SEPERATOR

1 No. x 15 PPM, Shanghai Marine Instrument, Type ZYF-1.

24. OIL DISPERSANT

Vessel is equipped with Spray Boom System.
Dispersant Detergent Tank storage Capacity = 5.00 Cu.M.

25. SEWAGE TREATMENT

1 No. x 25 persons Sewage Treatment Plant, Make Tecnicomar, Model Ecomar-24



26. AIR COMPRESSORS

- 2 Nos. x 20 m³ / hr @ 35 Bar, Ingersoll Rand Air Compressor
Model : T30 7T2

27. MAIN WORKING DECK

The working area is partially covered with heavy duty timber.
Clear Deck space is 16.50 mtr x 9.00 mtr i.e. 148.50 M².

28. COMMUNICATION / NAVIGATION EQUIPMENT

- GMDSS Equipment for Sea Area A1 + A2 + A3
- SATCOM / INMARSAT C. 1 Unit
Make : JRC, Model: JUE-75A
- MF / HF (GMDSS) 1 Unit
Make : JRC, Model: JSS-802
- S S B 1 Unit
Make : JRC, Model: JSS-802
- WEATHER FACSIMILE 1 Unit
Make : JRC, Model: JAX 9A
- VHF 4 Units
Make : SAILOR, Model: 6222 DSC
Make : SAILOR, Model : RT 2048
- RADAR 2 Units
Make : KODEN, Model : MDC1810P
Make : FURUNO Marine Radar, Model : 1935
- GYRO COMPASS 1 Unit
Make : YOKOGAWA DEN SHIKIKI, Model : KR 005A – P
- MAGNETIC COMPASS 1 Unit
Make : SAURA KEIKI, Model : MR 150A
- AUTO PILOT 1 Unit
Make : NAVITRON, Model : NT999G
- ECHO SOUNDER 2 Units
Make : FURUNO, Model : FE6300 / FCV – 612, JMC RD 300
- EPIRB 1 Unit
Make : SAMYUNG, Model : SEP 500
- GPS NAVIGATOR 1 Unit
Make : FURUNO GPS WAAS GP-32
- BAROMETER 1 Unit
Make : BARICO



- NAVATEX RECEIVER 1 Unit
Make : JRC, Model : NCR 330
- P.A SYSTEM 1 Unit
Make : JRC, Model : NVA 1205B
- WIND SPEED LOG 1 Unit
Make: BEAUFORT, Model : DELTA 130
- BRIDGE NAVIGATION WATCH ALARM SYSTEM 1 Unit
Make: AMI MARINE(UK) LTD., Model: BNWAS BN150
- AIS 1 Unit
Make : KODEN Model : KAT-100

29. **SEARCH LIGHTS**

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

30. **FIRE FIGHTING EQUIPMENTS / FACILITIES**

Fire Pumps

- CAT D3408 Diesel Engine Driven Fire Pump
- 1 No. x 70 m³ Taiko General Service / Fire pump.

Fire Fighting System / Extinguishers

- CO₂ Fire Extinguishing System for Galley and Engine Room
- Fire Extinguishers : As per SOLAS / CLASS Requirement

31. **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 : Zhongrui Electronic, Model : JBS-8

32. **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**
1 x 6 men ZODIAC, ENGINE – JOHNSON, 25 HP.

