



BRITOIL DEFENDER

9,000 BHP | 85 t BP | DP2 AHTS

Class Notation: ~~A~~1, Towing Vessel, Fire Fighting Vessel Class 2, Offshore Support Vessel (AH), ~~C~~, ~~A~~MS, ~~D~~PS-2

Main Particulars

Specification	Details
Flag	Tuvalu
IMO	9503043
Call Sign	T2EC6
Built	2012
Length Overall	76.0 m
Beam Overall	16.8 m
Depth	7.5 m
Loaded Draft	6.1 m
Gross Tonnage	3,161 t
Net Tonnage	948 t
Deadweight	1,965 t

Machinery & Propulsion

Component	Details
Main Engines	2 x Yanmar 8N-330EN (2 x 4,500 BHP)
Main Generators	6 x 590 kW, 240/440 V, 3-Φ, 60 Hz
Emergency Generator	1 x 150 kW, 440 V, 60 Hz
Bow Thrusters	2 x CPP 550 kW
Azimuth Thrusters	2 x Kawasaki Rexpeller KST 240 ZC/B, CPP

Deck & Anchor Handling Equipment

Component	Details
Winch	Brattvaag Waterfall SL250W / BSL250W (AH & Tow)
Stall Pull	250 t (AH & Tow)
Brake Holding	350 t (AH & Tow)
Winch Drum Capacity	1,800 m x 76 mm wire (AH & Tow)
Storage Reels	2 x 2,000 m x 76 mm
Stern Roller	5.40 m x 2.60 m, SWL 350 t
Tugger Winches	2 x 10 t @ 13 m min ⁻¹ (Brattvaag)
Capstans	2 x 10 t @ 25 m min ⁻¹
Shark Jaws	3 x Triplex, SWL 200 t
Towing Pins	1 x Tow-pin set, SWL 200 t
Anchor Windlass	1 x 11 t (Brattvaag)
Anchors	2 x AC-14 HHP, 2,000 kg each
Anchor Chains	2 x 20 shackles, U3, ø42 mm
Deck Crane	1 x Hydralift GPK 15-6-12, SWL 6 t @ 12 m

Accommodation

Accommodation	Details
Single Cabins	4
Double Cabins	15
4-Person Cabins	8
Total Berths	66
Hospital	1 bed

Tank Capacities

Tank	Capacity	Discharge Rate
Fuel Oil	900 m ³	2 x 150 m ³ hr ⁻¹ @ 80 m head
Potable Water	300 m ³	2 x 150 m ³ hr ⁻¹ @ 80 m head
Drill Water	740 m ³	1 x 150 m ³ hr ⁻¹ @ 80 m head
Methanol	403 m ³	2 x 80 m ³ hr ⁻¹ @ 95 m head
Base Oil	310 m ³	2 x 100 m ³ hr ⁻¹ @ 80 m head
Brine	790 m ³	2 x 150 m ³ hr ⁻¹ @ 80 m head

Cargo Deck

Cargo Deck	Details
Clear Deck Area	627 m ²
Deck Dimensions	41.25 m x 15.2 m
Deck Capacity	10 t m ⁻²
Deck Strength	1,200 t

Electronics & Dynamic Positioning (DP)

System	Details
Dynamic Positioning	Class 2
DP Control	2 x DP-11 L3 Comm. NMS6000
DP Reference	RADIUS 1000, Radar Scan, DGPS
Radar	Decca BridgeMaster FT340 X-Band / FT340 S-Band
Gyro Compass	3 x Sperry Gyro Navigat XMK1 + repeater
GMDSS	Sailor System 5000 A3 (250 W)
VHF Radios	2 x Sailor 25 W 6222
SSB Radio	Sailor 150 W SSB (low-band)
NAVTEX	JMC NT-200
Inmarsat	1 x Fleet Broadband Sailor 5000 FB (GMDSS A3)
Depth Sounder	Sperry Marine ES-5100-1
Speed Log	Sperry Marine Naviknot 350E NF
GPS / DGPS	2 x Sperry Marine MX512
Auto-Pilot & Joystick	Kawasaki KIC1000-1020 / KICS1000-1020CZRC
LRIT	Sailor TT3000SSA
Weather Fax	Sperry Marine
RDF	Sailor

Special Equipment

Equipment	Details
Fifi Pumps	2 x 3,600 m ³ hr ⁻¹ @ 200 m head
Fifi Monitors (water/foam)	4 x 1,800 m ³ hr ⁻¹ / 300 m ³ hr ⁻¹ @ 12.5 bar
Spray Booms	2 x 6 m

Rescue & Safety

Equipment	Details
Fast Rescue Craft	Seabear 23 MK II, 10-person, 230 HP Yanmar
Survival Craft	2 x 25-person + 2 x 20-person inflatable life-rafts
Davit	HL9D MOB-3500
Rescue & Recovery	Dacon Scoop System

