



BRITTOIL 74

7,268 BHP | 100 t BP | AHT

Class Notation: A1, Towing Vessel, AH, Fire Fighting Vessel Class 1, AH, AMS

Main Particulars	
Particular	Detail
Flag	Singapore
IMO	9733650
Call Sign	9V2647
Built	2016
Length Overall	52 m
Depth (Moulded)	6.5 m
Breadth (Moulded)	15 m
Design Draft	4.6 m
Max Draft	5.7 m
Gross Tonnage	1,721 t
Net Tonnage	516 t
Deadweight	1,037 t
Endurance	8,000 nautical miles at 13 kn

Machinery & Propulsion	
Component	Specification
Main Engines	2 × Caterpillar C280-8 diesel engines, 3,634 BHP each @ 1,000 rpm
Gearboxes	2 × Reinjets LAF 4555, ratio 5.773:1
Shaft Generators	2 × 1,488 kW shaft alternators, 400v/3/50Hz
Main Generators	2 × 800 kW, 400v/3/50Hz; Caterpillar C32 diesel driven
	2 × 450 kW, 400v/3/50Hz; Caterpillar C18 diesel driven
Emergency Generator	1 × 118 kW, 400v/3/50Hz; Caterpillar C6.6 diesel driven
Propellers	2 × 4-bladed CPP in Kort nozzles, ø3,250 mm; Cu-Ni-Al bronze
Bow Thruster	1 × Brunvoll FU-63-LTC-1550, 570 kW, 8 t thrust
Steering Gear	Electro-hydraulic steering gear, 12 t torque
Fuel Oil Purifier	Mitsubishi self-cleaning fuel oil purifier SJ-10G

Deck & Anchor Handling Equipment	
Equipment	Rating / Size
Towing / AH Winch	Brattvaag SL250W-2T double drum waterfall hydraulic winch
- Line Pull	250 t @ 0-11 m min ⁻¹ ; 152 t @ 0-18 m min ⁻¹ ; 103 t @ 0-27 m min ⁻¹
- Wire Capacity	1,200 m × ø67 mm
- Brake Holding	350 t
Wire Storage Reels	2 × Brattvaag, 8.8 t line pull @ 0-42.6 m min ⁻¹ ; storage 1,200 m × ø67 mm
Tugger Winches	2 × Brattvaag, 20 t line pull @ 0-14 m min ⁻¹
Shark Jaws	2 × Karmfork shark jaws, MBL 300 t; 1 × Triplex shark jaw H-350-N, SWL 350 t
Tow Pins	1 × Triplex guide pins S-200, SWL 200 t
Stern Roller	ø2.0 m × 5.16 m; 300 t SWL
Deck Crane	Sormec marine crane M250/3S, 2.5 t @ 25 m
Anchors	2 × 2,100 kg stockless anchors
Anchor Chain	2 × 385 m × ø36 mm U3 stud-link chain
Anchor Windlass	1 × Brattvaag hydraulic, 15 t @ 0-23 m min ⁻¹

Accommodation	
Item	Detail / Capacity
Total Berths	24
Air-conditioning	Fully air conditioned

Performance		
Mode	Speed	MGO Consumption
Full Power	14 kn	20,000 L d ⁻¹
Economic	10 kn	12,500 L d ⁻¹
Generator Load	—	1,200 L d ⁻¹

Consumption	
Tank / Consumption	Capacity / Rate
Fuel Oil (90%)	699 t
Fresh Water	285 t
Fresh-Water Maker	12 t d ⁻¹

Cargo Deck	
Parameter	Value
Clear Deck Area	198 m ²
Deck Dimensions	18.0 m × 11.0 m
Deck Strength	5 t m ⁻²

Navigation Equipment	
Instrument	Detail
Joystick	Kongsberg cjoy
ECDIS	Furuno FMD-3200 with 2 sets of 19" LCD
Gyro Compass	1 × TKC TG8000
Autopilot	1 × Anschuetz NP 60 for double rudders
GPS / Plotter	GPS navigator; Simrad Cx44 GPS chart plotter
Other Navigation Aids	Anemometer, echo sounder, speed log, AIS

Communications Equipment	
Instrument	Detail
GMDSS Area	A1-2-3 (RC-1800T-25 package)
GMDSS Radio Console	Furuno RC-1800T-25 radio package
MF / HF Radio	Furuno FS-2570 (250 W) HF/MF SSB radiotelephone
Inmarsat C Terminals	2 × Furuno FELCOM-15 (one with SSAS)
VHF Radios	2 × Furuno FM-8800S (25 W) VHF/DSC radiotelephones
Additional VHF	ICOM VHF radiotelephones; VHF walkie-talkies
NAVTEX	Navtex receiver
EPIRB / SART	EPIRB; radar transponders
Weather Fax	Weather facsimile
Satellite Communications	Mini-VSAT system
Internal Communications	P.A. / talkback; common battery powered telephone; automatic telephone system
TV System	Omni-direction TV system

Fire-Fighting & Rescue	
Equipment	Capacity / Rating
Fifi Class	Fifi 1
Fire Monitors	2 × fixed monitors, 1,200 m ³ h ⁻¹ @ 123 m head
Fire Pumps	2 × 1,700 m ³ h ⁻¹ @ 125 m head
Life Rafts	4 × 25-person life rafts
Davit & Rescue Boat	1 × Harding davit NPDS 1800H, SWL 1.8 t
	Norsafe rescue boat Midget 530 MKII (6 persons)

Other Equipment	
Item	Capacity
Fuel Monitoring	NCS model FuelTrax GS150-2
Sewage Treatment Plant	Taiko Kikai SBT-25 for 25 men
CCTV	GALAZ-C, 4 × camera, 2 × monitor
Fendering	Flat bar doubler plates 450 mm × 20 mm welded to side shell
Oil Dispersant System	2 sets spray nozzles type UOC 600, 1 1/4" (M) × 1 1/4" (F), brass; duty 276 L @ 4.14 bar

Details given in good faith but not guaranteed. Owners reserve the right to amend specifications without notification.

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rev 1.0 - 24 December 2025