

BRITOIL DYNAMIC

10,800 BHP | 125 t BP | DP2 AHTS

Class Notation: BV I ✠HULL ✠MACH, Tug, Supply Vessel - WS & Oil Product (FP>60°C), LHNS, Special Service - Anchor Handling Tug / Fire Fighting Ship 1 (Water Spraying) / Oil Recovery Ship (Second-Line), INWATERSURVEY, DYNAPOS AM/AT R, SP50, Unrestricted Navigation

Main Particulars

Particular	Detail
Flag	Singapore
IMO	9783112
Built	2026
Length Overall	70.00 m
Length Waterline	62.50 m
Breadth (Moulded)	17.20 m
Depth (Moulded)	7.50 m
Design Draught (Moulded)	5.50 m
Max Draught (Moulded)	6.00 m
Deadweight (Max Draught)	2,300 t (approx.)
Builder	Guangzhou Shunhai Shipyards Ltd

Cargo Deck

Component	Specification
Clear Deck Area	Approx. 530 m^2, including shark jaw and towing-pin area
Deck Dimensions	35 m × 14 m
Deck Cargo Capacity	Approx. 800 t
Deck Strength	7.5 t m^{-2}

Machinery & Propulsion

Component	Specification
Propulsion Type	Twin-screw CPP propulsion
Main Engines	2 × 4,020 kW @ 750 rpm, medium-speed 4-stroke diesel engines
Gearboxes	2 × marine reduction gearboxes with PTO for shaft alternators
Shaft Generators	2 × 1,760 kW, 50 Hz
Main Generators	3 × 450 kW, 415/3/50, 0.8 PF
Emergency / Harbour Gen.	1 × 230 kW, 415/3/50, 0.8 PF
Main Propulsion	2 × shaftlines via reduction gearboxes to CPP in fixed nozzles
Propellers	2 × 4-bladed CPP in fixed nozzles, Ni-Al bronze
Bow Thrusters	2 × transverse CPP bow thrusters, approx. 13 t thrust each
Stern Thrusters	2 × CPP stern thrusters, approx. 9 t thrust each
Steering Gear	2 × electro-hydraulic steering gear units for 2 rudders
Fuel Oil Purifiers	2 × Alfa Laval self-cleaning purifiers, approx. 2,650 L h^{-1}
Lube Oil Purifier	1 × Alfa Laval self-cleaning purifier, approx. 800 L h^{-1}
Fuel Oil Transfer Pump	1 × 20 m^3 h^{-1} @ 20 m head
Lube Oil Transfer Pump	1 × 8 m^3 h^{-1} @ 25 m head
Oily Water Separator	1 × 1.0 m^3 h^{-1}, 15 ppm / MEPC 107(49)
Fresh-Water Maker	1 × 10 m^3 d^{-1}

Performance

Mode	Speed
Trial Speed	Approx. 13.5 kn
Cruising Speed	Approx. 12 kn
Endurance	Approx. 8,000 NM at about 12 kn

**Trial speed at approx. 5.0 m draft, 100% MCR, calm weather, clean hull and deep sea*

Tank Capacities & Discharge Rates

Tank / Medium	Capacity	Discharge Rate / Compressor Capacity
Fuel Oil	850 m^3	2 × 100 m^3 h^{-1} @ 90 m head
Potable Water	435 m^3	1 × 100 m^3 h^{-1} @ 90 m head
Drill Water / Ballast	830 m^3	1 × 100 m^3 h^{-1} @ 90 m head
Rig Chain Locker / Drill Water / Brine	150 m^3	—
Liquid Mud / Drill Water / Brine	410 m^3	2 × 100 m^3 h^{-1} @ 90 m head
Base Oil	230 m^3	1 × 100 m^3 h^{-1} @ 90 m head
Dry Bulk	230 m^3	2 × 20.0 m^3 min^{-1} compressor flow @ 6.5 bar
Foam	20 m^3	—
Dispersant	20 m^3	—
Sewage Holding	11 m^3	—

Notes: Tank capacities are approximate at 100% full

Deck & Anchor-Handling / Mooring Equipment

Component	Specification
Tow / A-H Winch	1 × hydraulic double-drum waterfall anchor-handling / towing winch
- Line Pull (Double Drive, 1st Layer)	300 t @ 0-10.2 m min^{-1}
- Line Pull (Double Drive, Mid Layer)	172 t @ 0-17.1 m min^{-1}
- Line Pull (Double Drive, Top Layer)	115 t @ 0-25.5 m min^{-1}
- Line Pull (Single Drive, 1st Layer)	150 t @ 0-10.2 m min^{-1}
- Brake Holding Load	350 t
Towing Drum Capacity	2,000 m × ⌀76 mm SWR
A-H Drum Capacity	2,000 m × ⌀76 mm SWR
Cable Lifters	1 × ⌀90 mm chain lifter and 1 × ⌀76 mm chain lifter
Tension / Wire Monitoring	Tension meter and wire counter fitted
Storage Reel	1 × hydraulic storage reels, 7 t @ 0–65 m min^{-1} capacity 2,000 m × ⌀76 mm SWR
Tugger Winches	2 × 17 t @ 0-30 m min^{-1}; each with 200 m × ⌀25 mm wire rope
Capstans	2 × 10 t @ 22 m min^{-1}
Shark Jaws	1 × Karmoy Karm Fork M330250, 300 t SWL
Tow Pins	2 × towing pins, suitable for 160 t BP
Stern Roller	⌀2.2 m × 5.0 m length; 350 t SWL
Deck Crane	1 × telescopic boom marine crane, 5.0 t @ 15.0 m outreach
Deck Fittings	10 × double bollards; mooring pipes, closed chocks and guide rollers as per GA
Lashing Lugs	20 × 10 t SWL lashing lugs
Pipe Stanchions	12 × portable pipe stanchions
Reefer Points	8 × 32 A, 415/3/50 and 8 × 16 A, 230/1/50
Anchors	2 × 2,640 kg stockless bower anchors; 1 × spare anchor
Anchor Chain	2 × 13 shackles × ⌀46 mm K2 stud-link chain
Anchor Windlass	1 × combined hydraulic anchor windlass / mooring winch; 17.1 t @ 11 m min^{-1}
Anchor-Handling Wire	2,000 m × ⌀76 mm SWR, spooled into anchor-handling winch
Storage Reel Wire	2,000 m × ⌀76 mm SWR, spooled into storage reel or kept onboard

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

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rev 1.5 - 03 October 2026

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Dynamic Positioning (DP) System

Instrument	Model / Detail
DP Class	DP2
DP System	Kongsberg K-Pos DP-21 DP system
Computers / Printers	2 × computers with 2 × printers
Joystick	1 × portable C-Joy OT unit connected to DP with 3 connection points
Wind Sensors	3 × Gill ultrasonic wind sensors
Gyro	3 × gyro compasses with dual supply input
Laser Based PRS	1 × Kongsberg SpotTrack laser-based PRS
RADius PRS	1 × Kongsberg RADius 2000 microwave relative-positioning system
DGPS	2 × DGPS positioning reference systems
VRU / MRU	2 × Kongsberg MRU D and 1 × Kongsberg MRU 5
Independent Joystick	1 × independent joystick system
UPS	2 × 3 kVA UPS
Software / Modes	Follow target mode; online capability analysis

Navigation Equipment

Instrument	Model / Detail
Radars	2 × Furuno X-band marine radars c/w ATA, 19" display, 96 NM
Doppler Speed Log	1 × Doppler speed log
Gyro Compass	1 × dual gyro-compass with 5 repeaters
Autopilot	1 × autopilot, interfaced with gyro and steering
Magnetic Compass	1 × magnetic compass with binnacle, correction magnets and reflector tube
GPS	1 × GPS navigator with repeater
Echo Sounder	1 × echo sounder with aft-console repeater
AIS	1 × AIS interfaced with gyro / radar
ECDIS	1 × ECDIS
BNWAS	1 × bridge navigation watch alarm system
Anemometers	2 × RO Wind ultrasonic anemometers
Other Navigation Aids	Searchlights, signal lamp, Morse lamp, sextant, chronometer, barometer and clinometers

Communications Equipment

Instrument	Model / Detail
GMDSS Area	A3
MF / HF Radio	1 × MF/HF radiotelephone / DSC terminal
Inmarsat C Terminals	2 × Inmarsat C mobile earth stations; 1 × LRIT and 1 × SSAS
VHF Radios	2 × GMDSS VHF transceivers with DSC; 2 × marine VHF radiotelephones
Portable VHF Radios	3 × GMDSS walkie-talkies with lithium batteries
NAVTEX	1 × NAVTEX receiver
EPIRB	1 × EPIRB
SART	2 × SART
Internal Telephones / Intercom	Common telephone / intercom system
PA / Talkback	PA system with talkback and paging
Sound Powered Phones	8 × sound-powered phones
LAN	Cat 5 UTP network sockets in wheelhouse, Master's cabin and Chief Engineer's cabin
Internet System	VSAT, Starlink and Iridium

Fire-Fighting & Rescue / LSA

Equipment	Capacity / Rating
FiFi Class	FiFi 1
Fire Monitors	1 × water monitor, 1,200 m^3 h^{-1}; 1 × water / foam monitor, 1,200 m^3 h^{-1} water or 300 m^3 h^{-1} water/foam solution
Throw × Height	120 m × 50 m
Fire Pumps	2 × 1,700 m^3 h^{-1} @ 1.4 MPa
Foam Pump	1 × approx. 9 m^3 h^{-1} at 3% foam mixture @ approx. 165 m head
Water Spray System	600 m^3 h^{-1} total; 300 m^3 h^{-1} from each pump
Chemical Dispersant System	2 × 6 m spray booms; around-the-pump proportioner, 50 L min^{-1}, 1-6% proportioning
Fire Main	12 hydrants with 10 m hoses
Rescue Boat	1 × rigid-hull fast rescue craft, 9 persons, min. 20 kn, with davit
Life Rafts	6 × 25-person inflatable life rafts
Life Jackets	50 life jackets plus 10 normal-size spare and 10 oversize spare
Life Buoys	8
Rescue Zones	Port and starboard rescue zones, 8 m length, with scrambling nets
Sick Bay / Treatment Area	1 × sick bay with attached toilet, treatment table and medical equipment

Accommodation

Item	Capacity
Single Cabins	6
2-man Cabins	8
4-man Cabins	7
Total Accommodation	50
Complement	22 Crew and 28 Special Personnel
Public Spaces	1 Mess Room
	1 Recreation Room
	1 Galley

Other Equipment

Item	Capacity
Fuel Monitoring System	Electronic Fuel Monitoring System (EFMS)
Fendering	800 mm × 20 mm steel insert plate at main deck level; 500 mm × 15 mm doubler steel fender at forecastle decks
Tyre Fenders	Approx. 32 × used aeroplane tyre fenders, approx. ⌀1.4 m; additional large tractor tyre fenders at bow
CCTV	1 × CCTV screen at aft control console with 2 × 360° night-vision cameras for the main deck; 1 × Hi-Fleet AI-powered CCTV system with memory for at least 90 days, plus online intelligent video monitoring, alerts and analysis
Winch CCTV	CCTV two-view system in wheelhouse with 3 cameras in AH / towing winch compartment
H2S Detection	Remote gas detection system for exposed decks and accommodation, linked to vessel alarm system
CH4 / CO2 Alarm Panels	CH4 and CO2 alarm panels in wheelhouse
Sewage Treatment Plant	1 × sewage treatment plant for 50 persons
Sewage Discharge Pump	1 × 15 m^3 h^{-1} @ 15 m head

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