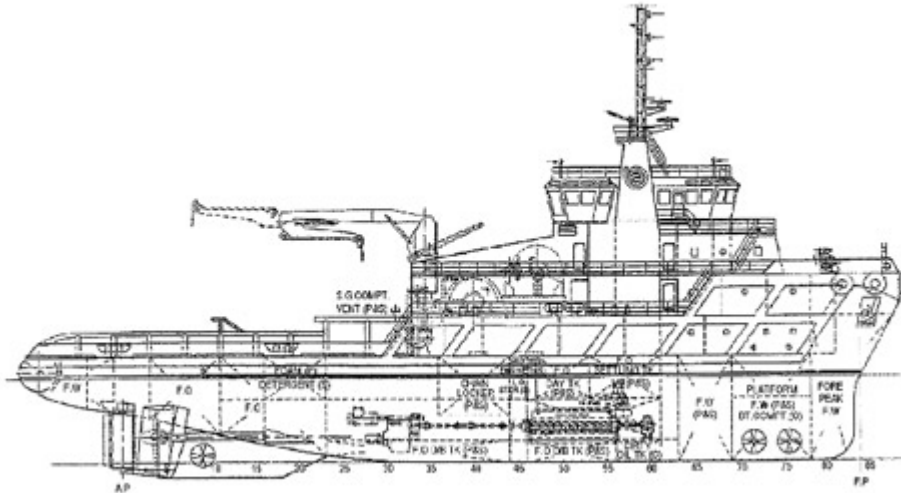


Anchor Handling / Tow Tug

Vessels Specifications



		Registry	Singapore
Year of Delivery	2007	Type	Ocean Going / Anchor Handling / Towing Tug
Classification	ABS + A1, Towing Vessel, Fire Fighting Vessel Class 1, (E), + AMS, + DPS-1	Dimensions	60m x 17.8m x 7.5m
GRT / NRT / DWT	2610T / 783T / 1545T	Draft	6m (Designed) / 6.3m (Max)
Clear Deck Space (Main Deck)	25m x 14m	Speed	15 knots
Deck Strength	5.5 mt/m ²		
Bollard Pull	150T	Endurance	35 days
Accommodation	Fully air-conditioned for 28 men Complement: 16 men Pax: 12 men	Lifesaving	Comply to SOLAS requirement
Fuel (90%)	1235 mt	External Firefighting	FiFi 1
Fresh water	386 mt	Freshwater Maker	20 mt/day

Main Engines & Gearboxes	2 x 5500 bhp ULSTEIN BERGEN propulsion engine type BRM-9 MCR: 11000 bhp at 750 rpm c/w x gearbox of 5.69:1 ratio	Generators	Cat 3508B, 3 x 800KW, 415/3/50, diesel driven generators. 1 x 300KW, Cat 3408 Dita 415/3/50, radiator-cooled emergency generator, 2 x 1400 kW shaft alternator
Main Engines Consumption	42,144 litres MGO and 100 litres lube oil per 24 hours @ full power. 31,608 litres MGO and 75 litres lube oil per 24 hours @ economic cruising speed of 10 knots	Generator Consumption	600 ltrs MGO & 15 ltrs L.O. / 24 hrs
Propulsion	2 x Ulstein C.P. propulsion system type 1500 AGSC-KP25-950/4 c/w 4.2mm diameter, 4 bladed propeller in kort nozzle	Steering Gear	Ulstein Tenfjord electro hydraulic steering gear, type : 2 x SR662. Torque : 136 kn m each
MGO Purifiers	2 x Mitsubishi self cleaning fuel oil purifiers with MGO with capacity of 2900 litre/hr	Lube Oil Purifiers	2 x Mitsubishi self cleaning lube oil purifiers with capacity of 2900 litre/hr
Towing Pins & Sharkjaws	2x Karmfork towing pins 4x Karmfork shark jaws	Bow Thruster/ Stern Thruster	3 x Brunvoll C.P. transverse thruster, 2 Bow, 1 Type : FU-63-LTC-1550- 650W Thrust : 9.1T
Anchor Windlass	1x BRATTVAAG hydraulic windlass Type : BFMG 63.048 Duty of cable lifter : Pull “ 10T at 0-15m/min	Anchors	2 x 2280kg stockless Bower anchor
Anchor chain	2 x 440m x 48mm diameter U2 steel stud link chain	Towing/Anchor winch	BRATTVAAG triple drum waterfall hydraulic winch.Type : BSL 350 WX/2SL 350WX with remote control in wheelhouse 1. At low gear (AH & towing drum) Line pull 1st layer : 350T @ 0-9m/min At low gear Top layer :- 150T, 0-20.8m/min 2. At high

			gear Line pull – 1st layer : 130T @ 0- 24.5m/min Line pull – Top layer : 56T @ 0- 56m/min Wire Cap : 2 x 2000m x 83mm dia & 1 x 5390m x 83mm dia wire Brake holding : 500T on 1st layer
Stern Roller (Size) SWL	L-8.05m; Dia-2.4m 300 mt	Capstan	2 X BRAVTTAAG hydraulic capstan 15T line pull @ 0- 22 m/min
Crane	North American Offshore Crane Model MCT2-2581. 2.65T at 24.5m radius. 9T at 12m radius.	Tugger Winch	2 X BRAVTTAAG hydraulic tugger winch – Type : AKM 6318, 18T line pull at 0-43m/min
Wire Storage Reels	2 x 20T line pull at 0- 35m/min hydraulic wire storage reels of 2000m x 83mm dia. wire capacity		
Fendering	Flat doubler plates of 24" x 25mm cross section welded to side shell. Bow plate of approx 50mm thick section secured vertically	Cutting Equipment	Two bottles oxygen and one bottle acetylene c/w torch
Life rafts	4 x 30 men	Radar	1 x FURUNO model FR- 2125 c/w 6.5ft scanner, 21" CRT display. 0.25- 96 nm range c/w performance monitor
Rescue Boat	1 x 6 men	VHF	2 x VHF/FM multi- channel marine radio telephones. FURUNO model FM-8500- 25W
SSB	Radio console, FURUNO RC- 1800-IT-25-250, 24V DC/220V AC c/w DSC & NBDP to meet GMDSS requirements. FURUNO SSB model FS-2570- 250W	Weather Facsimile	1 x FURUNO Type FAX- 207

Gyro & Automatic Pilot	1 x Gyro-Tokimec TG- 6000. Autopilot-Furuno model NAV PILOT-500	Fire Monitors	2 fixed foam/water fire monitors of 10000 litres/min each @ 130m head capacity. 1 x fire pump of 1400m³/hr each
Other Navigation Equipment	2 x INMARSAT-C, EPIRB, Radar Transponder, P.A. System, Navtex Receiver, GPS Navigator, 1 x Satellite Mini M Tel & Fax, Echo Sounder (Colour), 2 VHF Walkie Talkie, Anemometer, Speed Log, AIS, etc.	External Firefighting	FiFi 1 – 2 fire pumps of 1500m³/hr each
Dispersant Booms	2 x 8m dispersant booms fitted	Sewage Treatment Plant	Taiko Kikai SBT-40 for 40 men

