



Specifications

Length: 50.00 m

Breadth: 12.60 m

Depth: 5.75 m

Deck Strength: 5 T / M2

Designed Draft: 4.50 m

GRT / NRT: 1022 / 306

Deadweight: 876.92 tons @
4.8m max.
draft (approx.)

General Specifications

GENERAL

Port of Registry/Flag	Singapore
Class	ABS
Notation	+A1, Towing Vessel, (E), +AMS
Built	2013/ Cheoy Lee Shipyards Ltd, Hongkong

CAPACITIES:

Fuel Tank	670m ³ (approx.)
Fresh Water	234m ³ (approx.)
Deck Cargo Area	220m ² (22m x 10m)

SPEED & BOLLARD PULL

Speed	12 knots @ loaded draft of 4m
Total Bollard Pull	67.205 tonnes @ 100% MCR

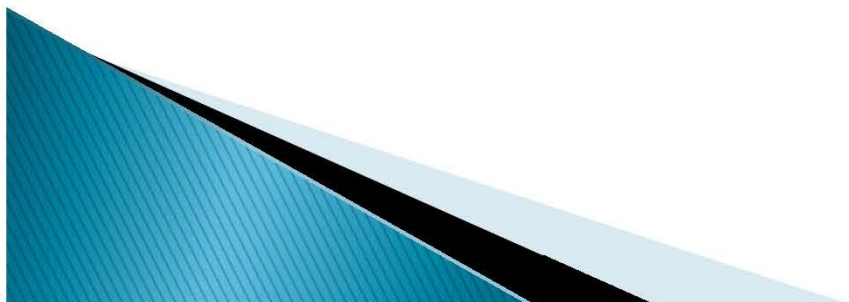
ACCOMODATION

Cabins	4x4 -berth cabin = 16men 3x2- berth cabin = 6 men 2x1 - berth cabins = 2 men
Total Complement	24 men

MACHINERY & DECK EQUIPMENT

Main Engines	Yanmar 6EY26; 2 x 2610 BHP @ 750 RPM; 4 stroke medium speed; Continuous HP @ 5220
Gearbox	1x Reduction Gear; Gear ratio to match engine for appropriate RPM

Generators	3 x 350kW output Caterpillar C18 @ 415V 3Ph 50Hz
Emergency Generator	1 x 82kW output Caterpillar C4.4 emergency/ harbour gen set; Starting Battery to be provided
Propellers	2x 4-bladed @ dia 2650mm ;Berg CPP in fixed nozzles
Bow Thruster	4.5 tons thrust controllable pitch; Electrical- driven
Fuel Oil Transfer Pump	2x Horizontal Gear pumps @ 10m ³ /hr @ 20 mwc; 415V/3Ph/50Hz; Cast iron body with alloy steel rotor and shaft
Bilge & Ballast Pump	1x Horizontal Self Priming centrifugal pump @ capacity of 70m ³ /hr @ 50mwc. 415V/3Ph/50Hz
FW Pressure Set	1 complete set @ 1 KW motor; 2800 RPM ; 415V/3/50HZ. 1x Pressure tank @ 300 litres with maximum working pressure 30-40PSI
SW Pressure Set	1 complete set @ 1 KW motor; 2800 RPM ; 415V/3/50HZ. 1x Pressure tank @ 300 litres with maximum working pressure 30-40PSI



General Specifications

Pressure Set Standby Pump	1 complete set @ 1 KW motor; 2800 RPM ; 415V/3/50HZ. 1x Pressure tank @ 300 litres with maximum working pressure 30-40PSI	Towing/ Anchor Handling	1 x electro-hydraulic waterfall type double drum towing/anchor. Brake holding capacity @ 180 tonnes. Pull/Speed: 75t x 8m/min (1st speed) Brake holding capacity @ 180 tons
Sludge Transfer/Dirty Oil Pump	1x Electric driven gear pump or horizontal positive displacement type screw pump; 5m ³ /hr @ 45m head	Winch	2 x 1000m 52mm dia wire rope
Oily Bldge Separator SW Cooling Pump	1x OWS with capacity 0.5m ³ /hr @ 4kg/cm ² 1 unit	Towing Wires	2x electro-hydraulic, each @ 10tonnes @ 12m/min . Each winch completed with 1x rope drum capacity for 150m length wire & 1 warping head @ 30m/min
Air Compressors	2x 2 stage compressors with each capacity 25m ³ /hr FAD x 30kg/cm ² ; 415V/3Ph/50Hz	Tugger Winch	1 set x 200 tons SWL
Steering Gear	2x independent electric hydraulic steering gear, each with capacity @ 2x 45 deg rudder angle	Towing Pins, Shark Jaw	
Sewage Treatment Plant	1 unit suitable for 24men capacity	Capstans	2 x 5 tons at 15m/min
Cargo Oil Pump	1x gear pump; 70m ³ /hr @ 50m head; 415V/3Ph/50Hz	Stern Roller	1 x 120 tons SWL , 3.5m x 1.5m dia
Lub Oil Purifier	1x Electrical centrifugal oil purifier, capacity about 1200litres/hr	Anchor Windlass	Electro-hydraulic, cable lifter @ 6 tons
Fuel Oil Purifier	1x 1200ltrs/hr	Bow winch	Bow winch pull of 10 tons; min brake holding 100 tons
Anchors	2x high holding power @ approxi 970kg. AC-14 totally recessed	Deck Crane	1 x electro-hydraulic knuckle boom crane 2 tons @ 9m outreach
Chain Cables	2 off 550m x 38mm dia. Grade 2, high strength steel (stud link)	Towing Drum Capacity Bollards	1000m x 52mm of FSWR
Mooring Lines	4 x 140m long; minimum 10 tonnes breaking strength	Mooring Pipes Deck Reel	10x 10"NB, Sch 80 pipe double bollards. 1x 300NB, sch 80 pipe cruciform bollard 11x mooring pipes 1x electro-hydraulic with drum capacity for 1000m length of tow 52mm dia wire. Pull of 10 tonnes @ 20m/min local operation

General Specifications

FIRE FIGHTING EQUIPMENTS

Fireman's Outfit	4 complete sets
Fire Blanket	2 units; provided in engine room and galley
Fire Axe	2units
External Fire-fighting	2x seawater fire pump 1500m ³ /hr @ 14kg/cm ² 2x Fire Monitors 1200m ³ /hr (foam/water) remote controlled
CO₂ system	1 unit consisting gas bottles c/w quick operated valves and auto alarms to be provided for engine room fire and Bow Thruster room fighting
G.S & Fire Pump	1unit
Emergency Fire Pump	1 unit; 25m ³ /hr @ 45mwc

LIFE SAVING EQUIPMENTS

Inflatable Liferafts	4 units
Lifebuoys	8 units ; 4x lifebuoys @ 90 feet buoyancy line & 4x lifebuoys @ 90 feet buoyancy line and self- igniting electric lights & 2x smoke signals
Lifejackets	27 units
Pyrotechnics	12 units; 2x orange smoke signals each @ 120 seconds discharge time and waterproof 1x 6men Rescue boat c/w 25HP outboard engine and approved gravity type davit to be provided
Rescue Boat	
Line Throwing Apparatus	1 unit
Boat Hooks	2unit @ 8mm handle
Work Boat	1x 6men semi-rigid or rigid work boat @ 40HP outboard motor to be provided

NAVIGATION & COMMUNICATION EQUIPMENT

VHF-Radio Telephone	2units with 25W remote handsets
DSC Watch Keeping Receiver	1unit
Inmarsat "C"	1 unit
Navtex Receiver	1 unit
EPIRB	1 unit
Watch Keeping Receiver Unit	1 unit
X-Band Radars	2 units
Speed Log System	1 unit
Gyro-Compass	1 unit
Gyro-Repeaters	3 units
Auto Pilot	1 unit
6 Inch reflector type Magnetic Compass	1 unit
GPS	1 unit
Echo Sounder	1 unit
Walkie Talkie	3 units
Intercom System	1 unit

**** This vessel specification is given in good faith & assumed to be correct. Details given are without guarantee.**

**** Owners reserved the right to amend the specifications without notification.**