



PRINCIPAL PARTICULARS

Year Built	: 2013
Builder	: Guangdong Yuexin Ocean Engineering Co. Ltd
Designer	: Robert Allan Ltd
Class	: Lloyd's Register of Shipping +100A1 Tug, + LMC, UMS,*IWS Fire Fighting Ship 1 Unrestricted voyages
Flag	: Singapore
Call Sign	: 9V2374
IMO No.	: 9679268
Official No.	: 398952

PERFORMANCE DATA

Max speed	: 12.80 knots
Bollard pull (ahead)	: 69.0 tonnes
(astern)	: 59.4 tonnes

TANK CAPACITIES

Fuel oil	: 210.0m ³
Freshwater	: 32.0m ³
Dispersant	: 8.0m ³
Foam	: 8.0m ³

DIMENSIONS

Length overall	: 32.00m
Breath moulded	: 12.00m
Depth moulded	: 5.42m
Navigational Draft	: 5.60m
Gross Tonnage	: 496
Net Tonnage	: 149

TOWING AND DECK EQUIPMENT

Tow winch / anchor windlass (fwd)	: MacGregor MG-HAT/GDG-22-515U02288-01688 hydraulic single split drum type
Drum capacity	: 220m x 88mm dia HMPE rope @ 7 layers 160m x 88mm dia HMPE rope @ 7 layers
Brake Holding	: 150 tonnes
Line pull (slack)	: 2.0T @ 0~40m/min
Tow winch (aft)	: MacGregor MG-HTW1-02-0215D07552 single drum
Drum capacity	: 750m x 52mm Dia SWR @ 13 layer
Rated pull	: 20.0T @ 0~10m/min
Deck crane	: Hiab 121. Outreach -lifting capacity are: 5.2m / 2600kg and 7.4m / 1800kg

MACHINERY

Main Engines	: 2 x 1654kW Niigata 6L28HX @ 750rpm
Generators	: 2 x 122kW Cummins 6CT8.3-D(M) @ 1500rpm
Propellers	: 2 x Niigata ZP-31A
Air compressor	: 2 x Deno 2L-25

ACCOMMODATION (FULLY AIR-CONDITIONED)

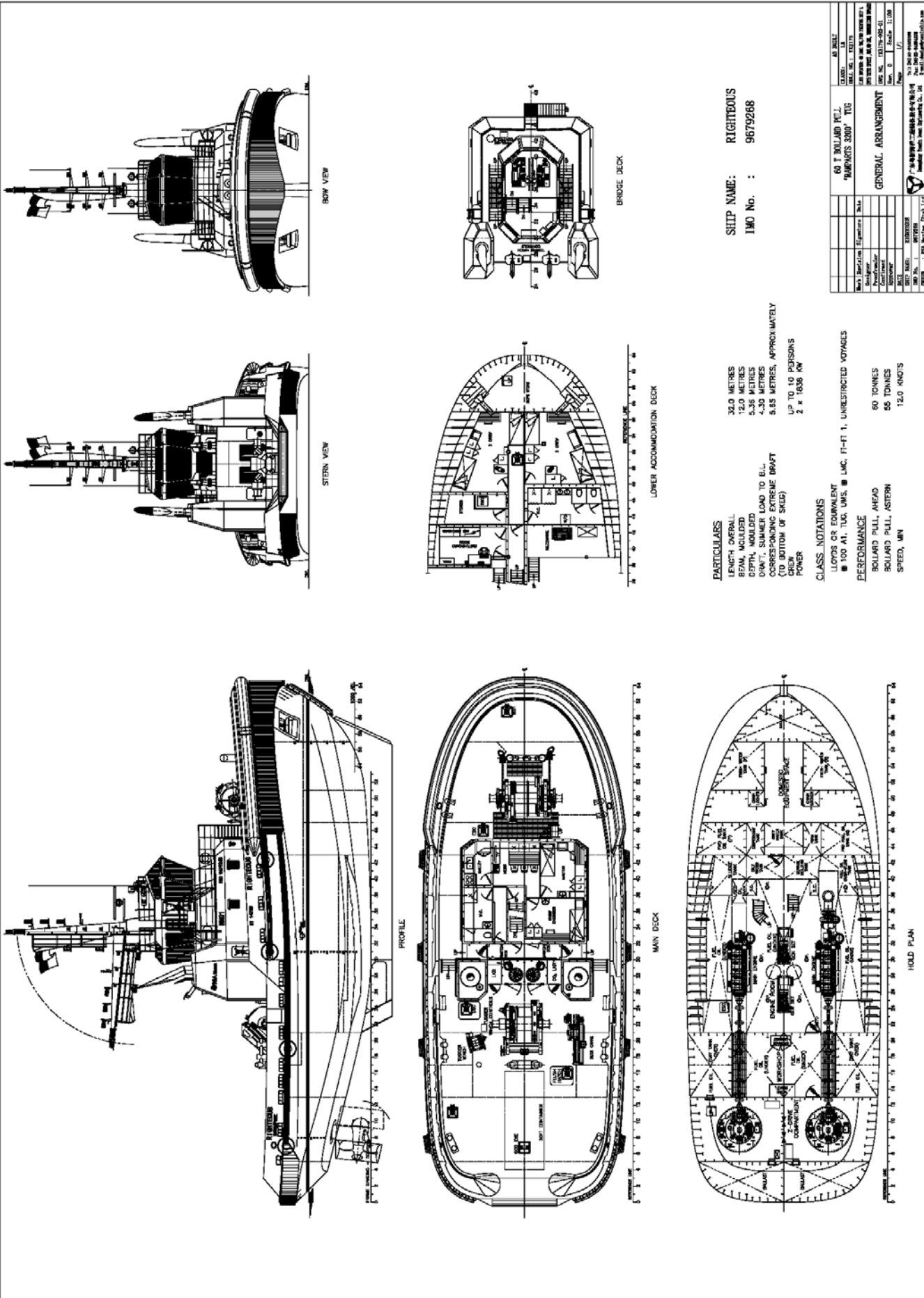
Officers	: 2 x 2 berths
Crew	: 2 x 3 berths
Total	: 10 berths
Sewage system	: Taiko Kikai SBH-15

FIREFIGHTING/ANTI-POLLUTION EQUIPMENT

FiFi pump (PTO from stbd M/E)	: 1 x FFS SFP 300x400PC of cap 2842m ³ /hr @ 110m head c/w water curtain
FiFi monitor:	: 2 x FFS 1200/300 dual purpose foam/water of cap 1200m ³ /hr @ 10 bar
Oily water separator	: Boss 2.2T/107
Oil dispersant system	: Tetra, nozzle type without spray boom
Fuel oil purifier	: Alfa Laval P605

RADIO AND NAVIGATIONAL EQUIPMENT (GMDSS – A1+A2+A3)

Radar	: Furuno FAR-2117
SSB transceiver	: Furuno FS -1575
VHF transceiver	: Furuno FM-8900S w/ DSC
Echo sounder	: Furuno FE-700
Immarsat C	: Furuno Felcom-18
Navtex receiver	: Furuno NX-700B
EPIRB	: McMurdo E5
SART	: McMurdo S5
Anemometer	: P & E A45B
Talkback System	: Vingtor CTB-100V
Magnetic compass	: Saura Keiki SR-165
Gyro-compass	: Anschutz Std 22 c/w repeater
Auto pilot	: Anschutz Nautopilot NP60
Speed log	: Furuno DS-80
AIS	: Furuno FA-150
GPS	: Furuno GP-32
BNWAS	: Furuno BR-500
Hand-held VHF	: 3 x ICOM IC-GM1600



Note: The information and sketches in this document are given in good faith without any express, implied or statutory warranty or condition.