

RAMPARTS 3200CL ASD TUG – RESILIENT / RESOLUTE

TUG


CERT NO.: 99-2-1008
ISO 9001 : 2008

CERT NO.: 2003-0214
ISO 14001 : 2004

CERT NO.: OHS-2001-0013
BS OHSAS 18001 : 2007

PRINCIPAL PARTICULARS

Year built	: 2015
Builder	: Cheoy Lee Shipyards 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	: 9V3111 9V3113
IMO no.	: 9727675 9727687
Official no.	: 399802 399803

PERFORMANCE DATA

Max speed	: 13.00 knots	13.20 knots
Bollard pull (ahead)	: 61.40 tonnes	62.07 tonnes
(astern)	: 55.10 tonnes	64.50 tonnes

TANK CAPACITIES

Fuel oil	: 235.0 m ³
Freshwater	: 50.0 m ³
Dispersant	: 7.0 m ³
Foam	: 7.0 m ³

DIMENSIONS

Length overall	: 32.00 m
Breadth moulded	: 12.40 m
Depth moulded	: 5.40 m
Design draft	: 4.20 m (from baseline)
Navigational draft	: 5.09 m (max)
Gross tonnage	: 493
Net tonnage	: 147

MACHINERY

Main engines	: 2 x 1654kW Niigata 6L28HX @ 750rpm
Generators	: 2 x 112kW Perkins 1006TWGM @ 1500rpm
Propellers	: 2 x Niigata ZP-31B
Air compressors	: 2 x Ingersoll Rand SS-T30

ACCOMMODATION (FULLY AIR-CONDITIONED)

Officers	: 3 x 1 berth
Crew	: 3 x 2 berths
Total	: 9 berths (MLC 2006 compliance)
Sewage system	: Taiko Kikai SBH-15
LNG protection system	: GMI Active-8 with 6 gas detectors

FIRE-FIGHTING / ANTI-POLLUTION EQUIPMENT

FiFi pump (PTO from both M/E)	: 2 x FFS SFP 300x400PC of cap 1300m 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	: Taiko Kikai USH-05
Oil dispersant system	: Tetra, V-jet nozzle type (P&S)

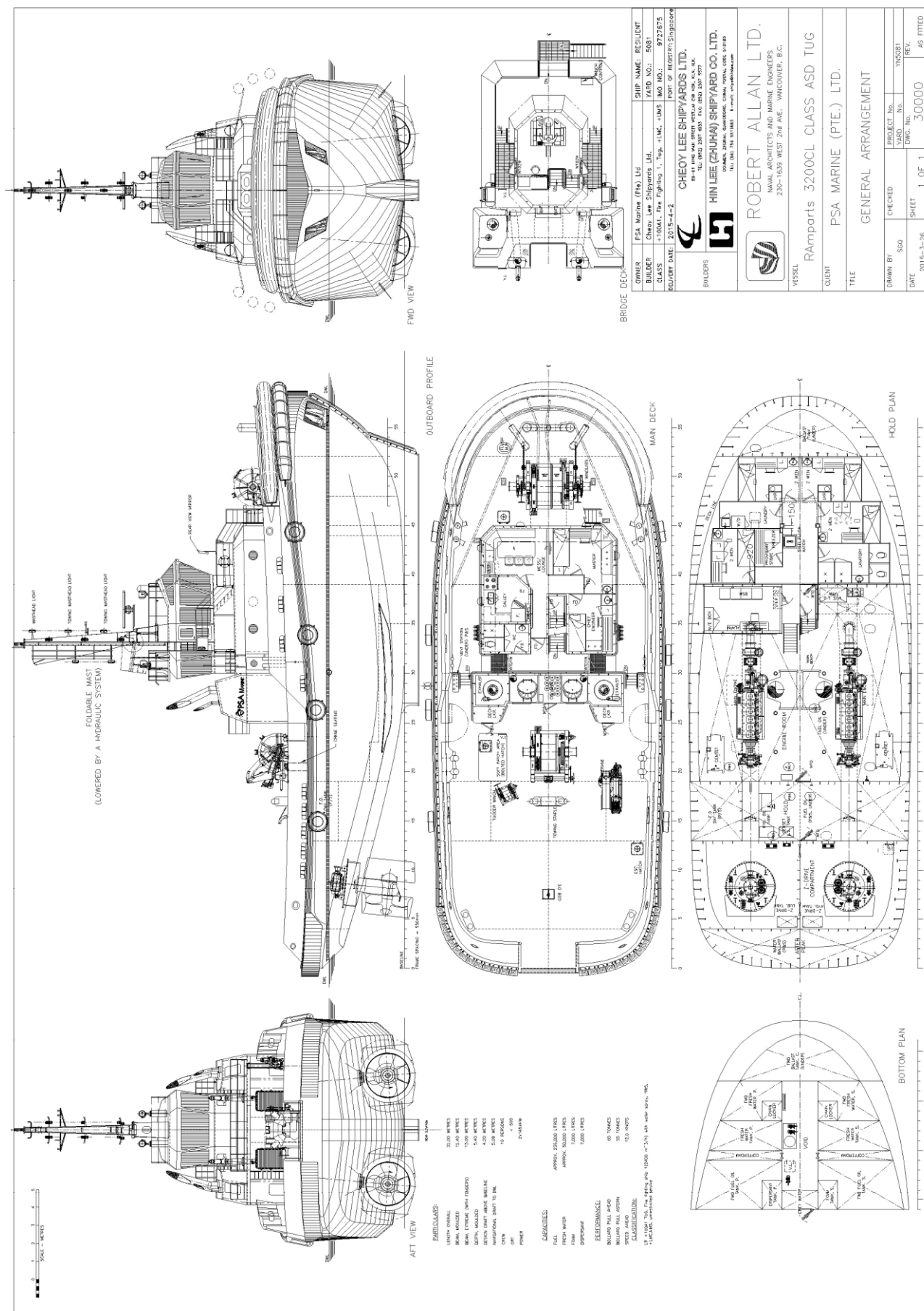
TOWING AND DECK EQUIPMENT

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
Tugger winch	: MacGregor - Drum capacity: - 200m x 24m/min (SWR)
Rated pull	: 5.0T @ 15m/min
Deck crane	: Palfinger PK12000M Lifting cap - 2.0t @ 5m outreach
Stern roller	: Fitted

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

Radar	: Furuno M-1945
SSB transceiver	: Furuno FS-1575
VHF transceiver	: 2 x Furuno FM-8900S w/ DSC
Echo sounder	: Furuno GP-1870F
Immarsat C	: Furuno Felcom-18
Navtex receiver	: Furuno NX-700B
EPIRB	: McMurdo E5
SART	: McMurdo S5
Anemometer	: Ray Marine ST60
Talkback system	: SEA 857
Magnetic compass	: Saura Keiki SR-165
Satellite compass	: Kodan KGC-1 c/w repeater
Auto pilot	: Anschutz Nautopilot NP 60
AIS	: Furuno FA-150
GPS	: Furuno GP-32
BNWAS	: Furuno Interschalt Type A006.6-1
Hand-held VHF	: 2 x Sailor SP3520

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