

RAMPARTS 2500 CL ASD HARBOUR TUG – PSA UNITY

TUGBOATS



PRINCIPAL PARTICULARS

Year Built	: 2025
Builder	: Cheoy Lee Shipyard Ltd
Designer	: Robert Allan Ltd
Class	: Lloyd's Register of Shipping ✱ 100A1 Tug, Fire-Fighting Ship 1 (2400m³/h) with Water Spray ✱ LMC UMS, *IWS
Flag	: Singapore
Call Sign	: 9VEH7
IMO No.	: 1014773
Official No.	: 404135

DIMENSIONS

Length Overall	: 25.40m
Breadth Moulded	: 11.80m
Depth Moulded	: 4.79m
Design Draft	: 3.40m (above baseline)
Navigational Draft	: 5.21m (max)
Gross Tonnage	: 348
Net Tonnage	: 104

MACHINERY (INSTALLED WITH CCTV SYSTEM)

Main Engines	: 2 x 1654kW Niigata 6L28HX @ 750 rpm
Generators	: 2 x Perkins E70TAG1M, 96kW, 400V/3-Ph/50Hz
Propellers	: 2 x Niigata ZP31B, 2300 mm FP Propeller
Air Compressors	: 2 x Sperre HL2/77A, 26 m³/hr @ 30 bar

ACCOMMODATION (FULLY AIR-CONDITIONED)

Officers	: 2 x1 berth
Crew	: 3 x 2 berths
Total	: 8 berths (MLC 2006 compliance)
Sewage System	: Taiko Kikai SBH-15

FIREFIGHTING/ANTI-POLLUTION EQUIPMENT

FiFi Pump (PTO from Port M/E)	: 1 x FFS SFP 300x400PC of cap 2850m³/hr @ 119m head c/w water curtain
FiFi Monitor	: 2 x FFS 1200/300 dual purpose foam/water of cap 1200m³/hr @ 10 bar
Oily Water Separator	: Taiko Kikai USH-05, 0.5m³/hr
Oil Dispersant System	: Tetra Fire, Off-Center Spray VeeJet nozzle type (P&S)

PERFORMANCE DATA

Speed @ 100%MCR	: 12.28 knots
Bollard Pull (Ahead)	: 61.71 tonnes
(Astern)	: 56.58 tonnes

TANK CAPACITIES

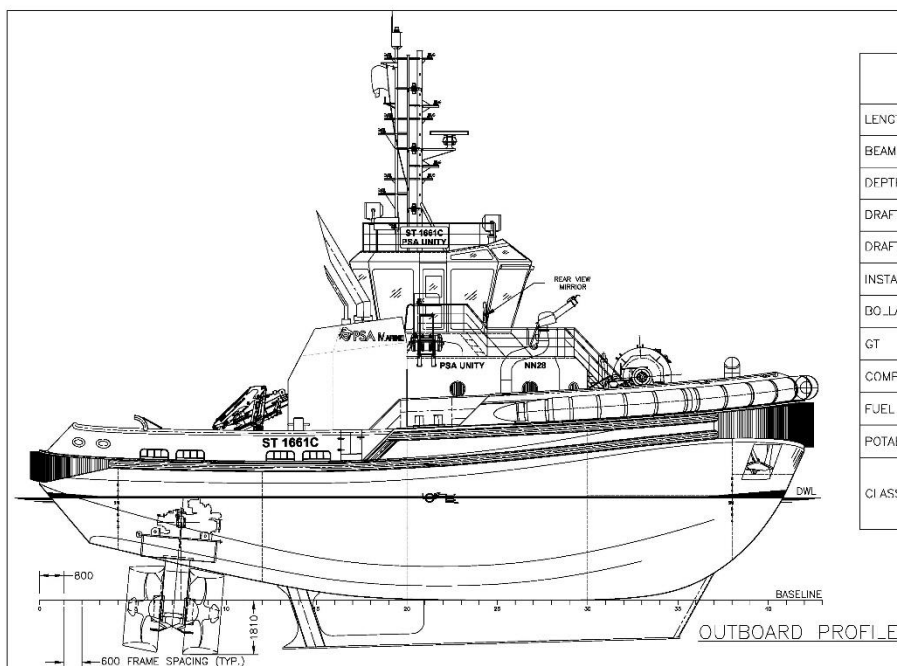
Fuel Oil	: 95.1m³
Freshwater	: 12.3m³
Dispersant	: 5.0m³
Foam	: 5.0m³

TOWING AND DECK EQUIPMENT

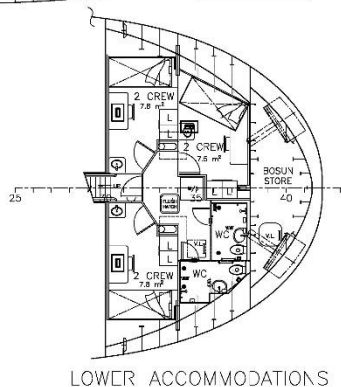
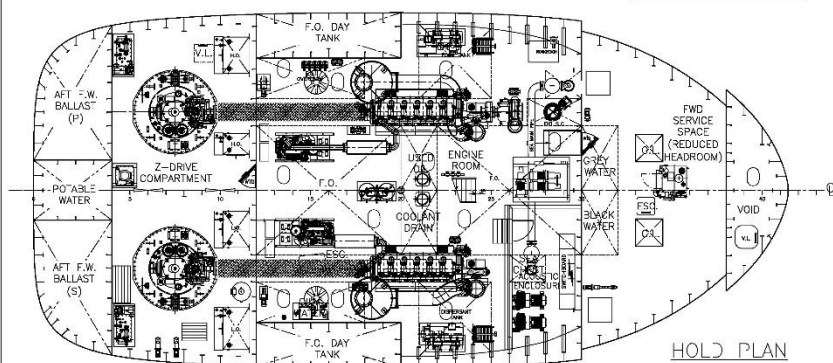
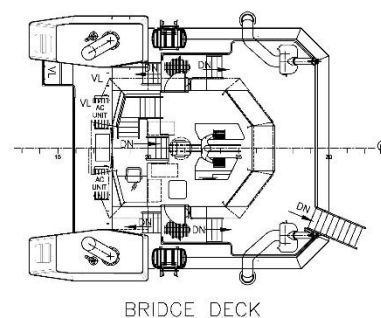
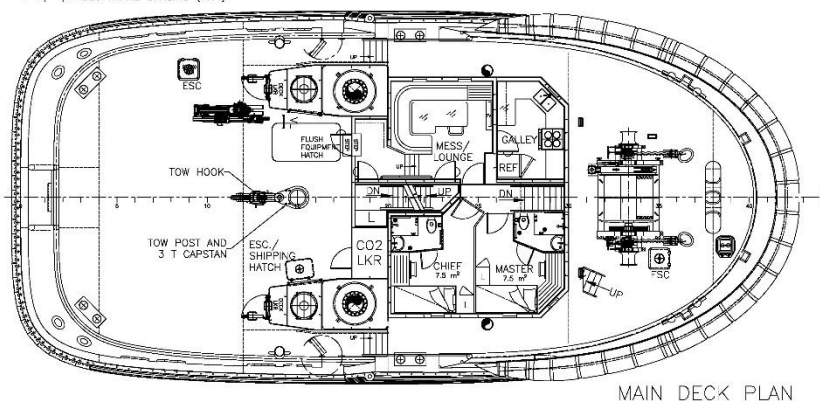
Tow Winch / Anchor Windlass (FWD)	: MacGregor Hydraulic Anchor Windlass / hydraulic single split drum, two chain wheels & one warping head type
Rope Capacity	: 200m + 200m x 60mm dia synthetics rope @ 7 layers
Recovery (L/M/H)	: 5T@0-20 m/min 2T@0-40 m/min
Brake Holding	: 150 tonnes
Anchor Windlass	: 20.5 mm Grade U2 chain pull – 1.8T @ 0-10 m/min
Brake Holding	: 11.3 tonnes
Deck Crane	: Guerra M95.20A1 knuckle boom, 1.46t lift at 5.9m outreach
Stern Hook	: China makes, Disc Type, 60 tonnes SWL

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

X-Band Radar	: Furuno FAR-1518BB
GMDSS MF/HF SSB Radiotelephone	: JRC JSS-2150 c/w DSC
VHF Radiotelephone	: 2 x Furuno FM-8900S w/ DSC
Echo Sounder / Speed Log	: Furuno FE-628
Immarsat C	: Furuno Felcom-18
Navtex Receiver	: Furuno NX-700B
EPIRB	: Jotron Tron 60
SART	: McMurdo S5A
PA/Talkback System	: Furuno LH-5000
Magnetic Compass	: Saura T130VDA, 125mm binnacle
Satellite Compass	: Furuno SC-70
Auto Pilot	: Raytheon Anschutz PilotStar NX
AIS	: Furuno FA-170
GPS	: Furuno GP-39
BNWAS	: Furuno BR 500
Hand-held VHF	: 2 x Entel HT649



GENERAL PARTICULARS	
LENGTH, OVERALL	25.40 m
BEAM, MOULDED	11.80 m
DEPTH, MOULDED	4.60 m
DRAFT, DESIGN (ABOVE BL)	3.40 m
DRAFT, MAXIMUM	5.21 m
INSTALLED POWER	2 x 1654 KW
BOARD PULL, ALLAD	60 TONNES
GT	348
COMPLEMENT	8
FUEL	91 m³
POTABLE WATER	11 m³
CLASS NOTATION	LR *100A1 TugFire Fighting Ship 1 (2400 m³/hr) with Water spray, *IWS *LMC, JWS



OWNER	PSA MARINE PTE LTD.	SHIP NAME	PSA UNITY
BUILDER	CHEOY LEE SHIPYARDS LTD	YARD No.	5273
CLASS	LLOYD'S REGISTER	IMO No.	1014773
DELIVERY DATE	APR. 2025	PORT OF REGISTRY	SINGAPORE
BUILDERS	CHEOY LEE SHIPYARDS LTD 89-91 HING WAH STREET WEST, LA CHI KOK, KLN, HK. TEL: (852) 2307 6333 E-MAIL: ships@cheoylee.com HIN LEE (ZHUHAI) SHIPYARD CO., LTD. 1 DOLMEN GANG LU, DOLMEN, ZHUHAI, GUANGDONG, P.R.C. TEL: (86) 756 6333663 E-MAIL: ships@hinlee.com		
	ROBERT ALLAN LTD. NAVAL ARCHITECTS AND MARINE ENGINEERS 230-1639 WEST 2nd AVE. VANCOUVER, B.C.		
VESSEL	Ramparts 2500CL		
CLIENT	TERMINAL / BERTHING TUG		
TITLE	PSA MARINE PTE LTD.		
	GFNFRAI ARRANGEMENT		
DRAWN BY	CHECKED	APPROVED	SCALE
LUTHER			A3-1:150
DATE	SHEET	DWG. No.	YARD No.
1 APR. 2025	1 OF 1	HL_5273_30000	5273
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