

Z-TECH 6000 CL ASD HARBOUR TUG – PSA VOLANS



CERT NO.: 99-5-1008
ISO 9001:2008



CERT NO.: 2002-0214
ISO 14001:2004



CERT NO.: 0402-2001-0013
BS OHSAS 18001:2007

PRINCIPAL PARTICULARS

Year Built	: 2025
Builder	: Cheoy Lee Shipyard Ltd
Designer	: Robert Allan Ltd
Class	: ABS - A1, Circle E, Towing Vessel, BP (60MT), ABCU, UWILD, AMS
Flag	: Singapore
Call Sign	: 9V3542
IMO No.	: 1060394
Official No.	: 404556

PERFORMANCE DATA

Speed @ 100%MCR	: 12.44 knots
Bollard Pull (Ahead)	: 63.58 tonnes
(Astern)	: 58.03 tonnes

TANK CAPACITIES

Fuel Oil	: 127.0 m ³
Freshwater	: 33.0 m ³
Dispersant	: Nil
Foam	: Nil

DIMENSIONS

Length Overall	: 30.00m
Breadth Moulded	: 12.00m
Depth Moulded	: 5.06m
Design Draft	: 3.70m (from baseline)
Navigational Draft	: 5.40m (max)
Gross Tonnage	: 397
Net Tonnage	: 119

MACHINERY (INSTALLED WITH CCTV SYSTEM)

Main Engines	: 2 X Niigata 6L28HX, 1654 kW/750 RPM
Generators	: 2 X Perkins E70TAG1M 96 ekW @ 415 V/3Ph/50Hz
Propellers	: 2 X Niigata ZP-31BCL
Air Compressors	: 2 x Sperre HL2/77A
Working Pressure	: 30 Bar

ACCOMMODATION (FULLY AIR-CONDITIONED)

Officers	: 2 x1 berth
Crew	: 4 x 2 berths
Total	: 10 berths (MLC 2006 compliance)
Sewage System	: Taiko Kikai SBH-15

FIREFIGHTING/ANTI-POLLUTION EQUIPMENT

FiFi Pump (PTO from Port M/E)	: Not Applicable
FiFi Monitor	: Not Applicable
Oily Water Separator	: Taiko Kikai USH-05
Oil Dispersant System	: Not Applicable

TOWING AND DECK EQUIPMENT

Tow Winch	: Ibercisa Hydraulic Harbour Towing Winch, hydraulic single split drum with Double Brakes and Clutches and one warping head type
Rope Capacity	: 220m + 220m x 76mm dia synthetics rope @ 8 layers
Recovery (L/M/H)	: 6.1 T@ 0 - 20.9 m/min 2.6 T@ 0 - 47.2 m/min
Brake Holding	: 150 tonnes
Anchor Windlass	: 20.5 mm Grade U2 chain pull with Steel Wire IWRC
Brake Holding	: 1770 N/mm ² x 140m length – 1.7 T @ 0 - 15 m/min 18.0 tonnes
Deck Crane	: Palfinger PK12000M SWL – 1.7 T @ 6.2m outreach
Stern Hook	: Not Applicable

RADIO AND NAVIGATIONAL EQUIPMENT (GMDSS – A1+A2)

X-Band Radar	: Furuno 1945
GMDSS	: ICOM GM800
MF/HF SSB Radiotelephone	:
VHF Radiotelephone	: Furuno FM-8900S
Echo Sounder / Chart Plotter	: Furuno GP-1971F-E
Immarsat C	: Nil
Navtex Receiver	: Furuno NX-700A/B
EPIRB	: Jotron Tron 60AIS
SART	: McMurdo SA5
Intercom / Loud Hailer	: PHONTECH CIS3101
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

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GENERAL PARTICULARS:

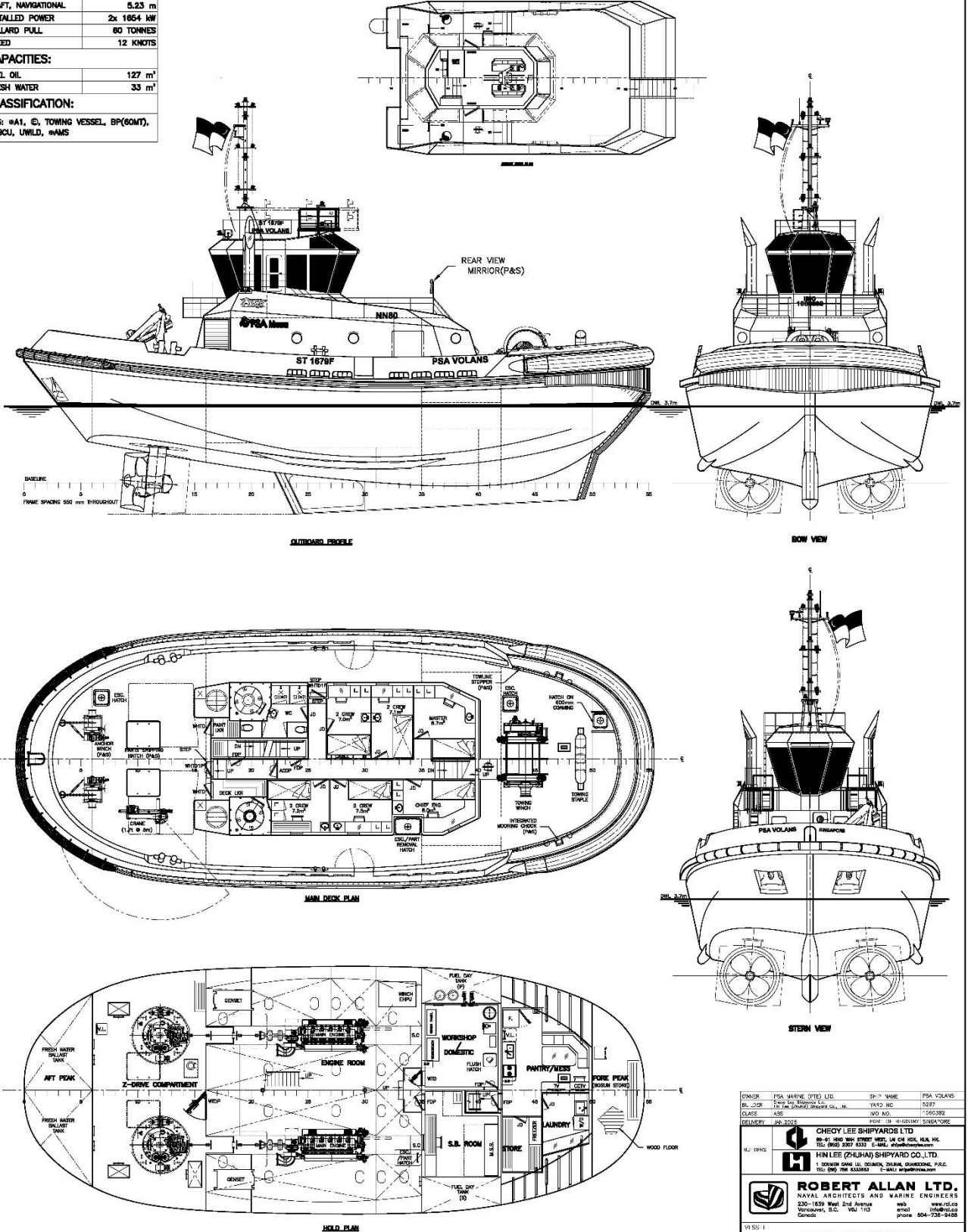
LENGTH OVERALL	30.0 m
BEAM, MOULDED	12.0 m
MOULDED DEPTH, LEAST	5.062 m
DRAFT, MOULDED	3.7 m
DRAFT, NAVIGATIONAL	5.23 m
INSTALLED POWER	2x 1654 kW
BOLLARD PULL	60 TONNES
SPEED	12 KNOTS

CAPACITIES:

FUEL OIL	127 m ³
FRESH WATER	33 m ³

CLASSIFICATION:

ABS: #A1, C, TOWING VESSEL, BP(60MT), #ABCU, UWLID, #AMS



OWNER	PSA MARINE (PTE) LTD.	SHIP NAME	PSA VOLANS
BL. NO.	Tony Lee Shipyard Co., H.K.	YARD NO.	0277
CLASS	ASB	IMO NO.	756392
DELIVERY	18/02/15	PROJ. NO.	PS-00000000000000000000
<p>CHEONG LEE SHIPYARDS LTD 88-41 HING HOI STREET, HONG KONG, H.K. TEL: (852) 2377 4333 FAX: (852) 2377 4333</p> <p>HIN LEE (ZHUJIA) SHIPYARD CO., LTD. 1 DONGHAI GANG LU, DONGHAI, ZHUJIA, GUANGDONG, P.R.C. TEL: (86) 756 843843 FAX: (86) 756 843843</p>			
<p>ROBERT ALLAN LTD. NAVAL ARCHITECTS AND MARINE ENGINEERS 230-1839 West 2nd Avenue Vancouver, B.C. V6J 1T5 Canada web: www.ra.ca email: info@ra.ca phone: 604-255-8168</p>			
V155-1			
Z-TECH 6000 TUGBOAT			
C-JENY			
PSA MARINE (PTE) LTD.			
GENERAL ARRANGEMENT			
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2 JUN 2008	2008	2008	AS-SITE
SHEET NO.		REV.	
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