

Z-TECH 6000 CL ASD HARBOUR TUG – PSA VELA



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	: 9V9812
IMO No.	: 1060370
Official No.	: 403646

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

PERFORMANCE DATA

Speed @ 100%MCR	: 12.59 knots
Bollard Pull (Ahead)	: 61.02 tonnes
(Astern)	: 56.41 tonnes

TANK CAPACITIES

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

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



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



CERT NO.: 2002-0214
ISO 14001 : 2004



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

