

RAMPARTS 2800DF ASD LNG DUAL-FUEL TUG – PSA ASPEN

TUGBOATS



PRINCIPAL PARTICULARS

Year Built	: 2019
Builder	: PaxOcean Engineering Pte Ltd
Designer	: Robert Allan Ltd
Class	: Bureau Veritas Singapore, Tug – Dual Fuel, AUT - UMS, *IWS, Singapore Coastal Services up to 30 nautical miles from shore
Flag	: Singapore
Call Sign	: 9V3426
IMO No.	: 9853682
Official No.	: 401425

DIMENSIONS

Length Overall	: 28.20m
Breadth Moulded	: 11.50m
Depth Moulded	: 5.55m
Design Draft	: 3.80m (from baseline)
Navigational Draft	: 4.61m (max)
Gross Tonnage	: 447
Net Tonnage	: 134

MACHINERY & EQUIPMENT

Main Engines	: 2 x 1618kW Niigata 6L28AHX @ 750rpm
Generators	: 2 x 164kW Perkins E70TAG3M @ 1500rpm
Propellers	: 2 x Niigata ZP-31 FP
Air Compressors	: 2 x Sperre HL2/77A
Oily Water Separator	: Taiko Kikai USH-05
Sewage System	: Taiko Kikai SBH-15
CCTV System	: Hikvision with 9 cameras
Ultrasonic Anti-fouling	: Citadel AF204C & AF201T

ACCOMMODATION (FULLY AIR-CONDITIONED)

Officers	: 2 x 1 berth
Crew	: 2 x 2 berths
Total	: 6 berths (MLC 2006 compliance)
Air-con system	: Cruisair (Chilled Water Type)

PERFORMANCE DATA

Max speed	: 12.86 knots
Bollard pull (ahead)	: 56.06 tonnes
Bollard pull (astern)	: 51.58 tonnes

TANK CAPACITIES

LNG	: 25.0m³
Fuel oil	: 52.8m³
Freshwater	: 45.2m³
Ballast (FW)	: 89.5m³

TOWING AND DECK EQUIPMENT

Tow winch (fwd)	: MacGregor MG-HTW1-*513U02276x2 hydraulic single split drum type
Drum Capacity	: 220m x 76mm dia synthetic rope (working drum) 220m x 76mm dia synthetic rope (standby drum)
Brake Holding (up-coil)	: 125 tonnes (static, 1 st layer – working drum)
Brake Holding (down -coil)	: 30 tonnes (static, 1 st layer – standby drum)
Line Pull (slack)	: 1.0T @ 0~40m/min
Anchor Winch (aft)	: MacGregor MG-HNW1-*302U01724 Hydraulic single drum (up-coil)
Drum Capacity	: 172.5m x 24mm dia (SWR) + 5m x 19mm dia chain
Deck Crane	: Palfinger PK12000M SWL – 1.7.0t @ 6.1m outreach

RADIO AND NAVIGATIONAL EQUIPMENT (GMDSS – A1)

X-Band Radar	: Furuno MODEL 1945
VHF Radiotelephone	: 2 x Furuno FM-8900S w/ DSC
SART GMDSS VHF (Portable)	: 2 x Jotron Tron TR30
VHF Radiotelephone (Private)	: Motorola XiR M8600I
Navtex Receiver	: Furuno NX-700/B
SART GMDSS EPIRB	: Jotron Tron 60S/GPS
Talk Back System	: Vingtor CTB-10
Loud Hailing System	: Vingtor SPA-M1H-V2
SART Radar Transponder	: Jotron SART-20
Echo Sounder	: Furuno FE-800
Magnetic compass	: Cassens Refleeta-III
Satellite compass	: Furuno SC-70
Battery-less Telephone System	: Zenitel VSP
AIS	: Furuno FA-170
GPS	: Furuno GP-170
BNWAS	: Furuno BR-500

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