

ANCHOR HANDLING TOWING VESSEL



VESSEL CAPABILITIES

OFFSHORE TOWAGE



STATION KEEPING



POSH ARCTURUS

Vessel Information

POSH Arcturus is a 6,600 BHP Anchor Handling Towing (AHT) Vessel built for offshore operations. It has a bollard pull of 85 tonnes and is powered by twin Yanmar main engines with controllable pitch propellers in nozzles. The vessel is fitted with an electro-hydraulic waterfall winch system rated for 275 tonnes brake holding, along with towing and anchor-handling equipment. It has a working deck area of 200 m² and accommodation for up to 28 personnel.

- Length 50.7m X Beam 47.16m
- Deck Area 200m²
- Accommodation up to 28 Persons
- Fi-Fi Class 1
- 85 TBP
- Designed to support various offshore operations, such as towing, positioning and anchor handling.

PRINCIPAL PARTICULARS	
YEAR BUILT	2018
FLAG	Singapore
CALL SIGN	9V3418
OFFICIAL NO	400122
BUILDERS	PaxOcean Engineering Zhuhai Co., Ltd.
CLASSIFICATION (ABS)	✱ A1®, ✱ AMS AH, OSV, Towing Vessel, SPS2008 CODE, FiFi Class 1 UWILD, MLC-ACCOM

DIMENSIONS & TONNAGE	
LENGTH OVERALL (LOA)	50.7m
LENGTH BP	47.16m
BEAM MOULDED	13.80m
DEPTH MOULDED	6m
DRAFT (DESIGN)	4.5m
DRAFT (MAXIMUM)	4.5m
GROSS TONNAGE	1,385T
NET TONNAGE	415T
DWT 4.5m DRAFT	703T

MAIN PROPULSION & MACHINERY	
BOW THRUSTERS	1 x 8T Electric motor-driven tunnel thruster CPP type with Soft Starter
MAIN ENGINE	Yanmar 8EY26, 2 x 3300 BHP @ 750 Rpm
MAIN GENERATORS (Volvo Penta Diesel)	3 x 470kW, 440 V, 3 Phase 60Hz
EMERGENCY GENERATORS (Volvo Penta Diesel)	170kW, 440V, 3 Phase 60Hz
PROPELLERS	CPP in Nozzles
RUDDERS	Unbalanced

SPEED	
ECONOMICAL SPEED	10 Knots
MAXIMUM SPEED MINIMUM DRAFT	13 Knots

CRANE & DECK EQUIPMENT	
FIXED CRANE	1 x el-hydraulic knuckle crane, 2T @ 9m
DECK CARGO AREA	200m ²
DECK CARGO DIMENSION	16.8m x 9.7m
DECK STRENGTH	5T/m ²
REEFER POINTS	3 x AC 440 V, 3 Phase, 50 Hz, 32 Amp
REEFER SOCKETS	2 x AC 220 V, 16 Amp
POWER SOCKETS	2 x AC 110 V

ANCHOR HANDLING / TOW EQUIPMENT	
TOW/ANCHOR HANDLING WINCH	Electro-Hydraulic Waterfall Winch Double Drum (Brake Holding Capacity @ 275T, Line pull @ 150T)
ANCHOR WINDLASS BRAKE HOLDING CAPACITY	150T, line pull @ 50T
ANCHOR WINDLASS TOW DRUM CAPACITY	Rope: 300m x 50mm Ø
TOWING WIRES	2 x 1000m x 58mm Ø
ANCHOR HANDLING WIRE	350m x 50mm Ø Reel: 150m x 50mm Ø
SPARE WIRE REELS	150m x 50mm Ø (1st layer) Reel: 100m x 50mm Ø
TUGGER WINCH	2 x 10T (Electro-hydraulic winches)
CAPSTAN	2 x 10T (Electro-hydraulic capstans)
WINDLASS	1 x Electro-hydraulic, mooring drum
SHARK JAWS	Hydraulic retractable type (SWL 300T)
TOW PINS	Hydraulic retractable type (SWL 200T)
STERN ROLLER	5.5m x 1.2m Ø (SWL 270T)
STERN OPENING	7m
CARGO FUEL PUMP	75m ³ /hr @ 60m head

CAPACITIES	
FUEL OIL	599m ³
POTABLE WATER	311m ³
FRESH WATER	78m ³
ENDURANCE	60 Days

LSA/FFA EQUIPMENT	
FIREFIGHTING SYSTEM	FiFi 1
FIFI PUMP	Model SFP 250 X 350 XP
FIFI MONITORS	2 x 1,500m ³ /hr
SPRAY BOOMS	2 x 20m / aluminum spray nozzles
DISPERSANT CAPACITY	(Hydrant-fed, with metering)
AIR/FOAM LIQUID CAPACITY	9.3m ³
RESCUE BOAT / WORK BOAT	1 x 6 POB semi rigid dinghy c/w 25hp outboard engine
LIFE RAFTS	4 x 30 POB Life raft

ACCOMMODATION	
BERTH TOTAL	28
CABIN CONFIGURATIONS	6 Singles, 9 Doubles, 1 Quadruple