Astro Offshore
An Adani Group Company



ASTRO POLARIS

ANCHOR HANDLING / SAFETY STANDBY TUG

GENERAL

Registry:	Tuvalu
Ship Builder:	PT. Mariana Bahagia Shipyard, Indonesia
MMSI:	572963220
Call Sign:	T2LM6
IMO Number:	9619335
Year Built:	2011
Class:	BV
Classification:	I X HULL X MACH, Supply vessel ; Anchor handling Vessel; Fire Fighting ship Anchor handling vessel

PRINCIPAL PARTICULARS

Length OA:	49.80m
Breadth Moulded:	12.60m
Depth Moulded:	5.30m
Draft (Design):	5.30m
Deadweight:	865.97T
Bollard Pull:	58.1T
Gross Tonnage:	936T
Net Tonnage:	280T
Operational Draft:	4.50m
Minimum Draft:	5.30m

PERFORMANCE

Max Speed:	12.0 Knots

MACHINERY

Main Engine:	2 x 2,575 BHP kW @ 750 RPM Yanmar 6EY26
Generators:	3 x 239kW @ 1,500 RPM, Volvo Penta D9 MG
Emergency Generator:	1 x 60kW, Volvo Penta D5A-T
Bow Thruster:	5T Volvo Penta 313KW, 2,200 RPM
Gear Box:	2 x yx-2500 (3.03:1)
Propulsion:	Fixed Pitch Propeller

NAVIGATION

Radars:	1 x Furuno FR1935, Furuno FAR-2117
Gyro Compass:	1 x Anschutz Standard 22 Compact
Speed Log:	1 x Furuno DS-80 Doppler Speed Log
Echo Sounder:	1 x Furuno Navigational Echo Sounder FE - 700
Magnetic Compass:	1 x Daiko Keiki SR -150K
NAVTEX:	1 x Furuno NX 700
BNWAS:	SM Electric Le Guardian
VDR:	Qingdao Head way Marine

ACCOMMODATION

One Man Cabins:	2
Two Man Cabins:	4
Four Man Cabins:	3
Total POB:	9 cabin x 22 Men
Medical Bay:	1

DECK EQUIPMENT

Deck Space:	Approx 200m² (20m X 10 m)
Deck Strength:	5.0T / m²
Deck Loading:	500T
Deck Crane:	1 x 2.5T @ 9m
AH / Towing Winch:	1 x Electro / Hydraulic Double Drum
Line Pull:	1 x 120T
Static Brake:	180T on 1st layer each drum
Tugger Winch:	2 x 10T x ø 28 mm X 100 m
Anchor Windlass:	1 x 3.9T @ 10m / min
Anchors:	2 x 1,140KG
Stern Roller:	1 x 200T SWL / 1.8m x 4.2m
Capstan:	2 x 3T @ 15m / min
Shark Jaw / Towing Pin:	SWL 200T
Towing Wire:	52mm Dia x 1,000m
Anchor Handling Wire:	52mm Dia x 300m
Reefer Points:	2 Units
Gangway	1 x Aliminium Gangway @ 3 m 1 x Aluminium Gangway @ 5 m

CAPACITIES

Fuel Oil:	550.0m³
Fresh Water:	220.0m³

DISCHARGE RATES

Ballast / Bilge Pump:	1 x 50m³ / hr @ 60m
Foam / Detergent:	Available
FO & FW Pump:	1 x 50m³ / hr

COMMUNICATION

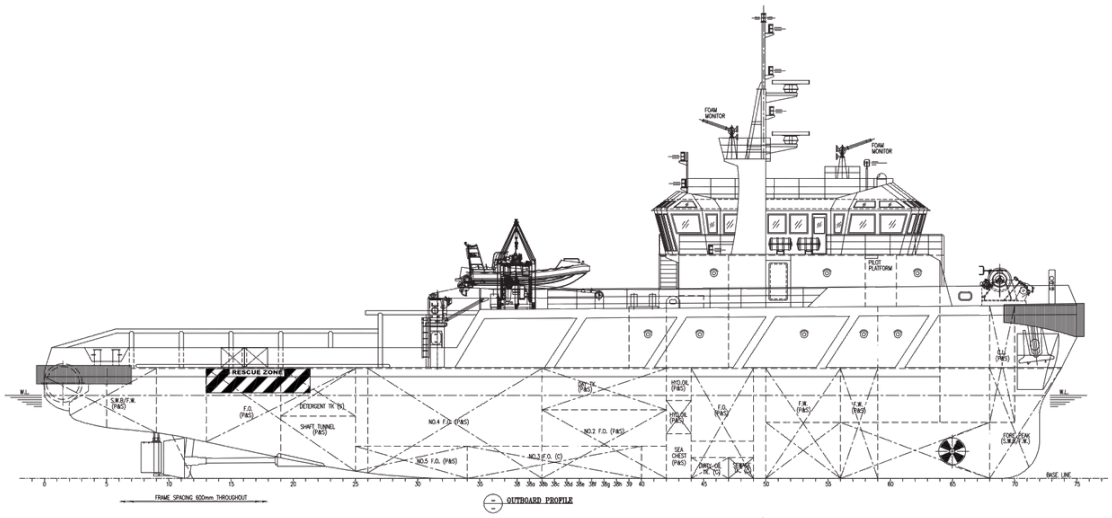
GMDSS Area:	A1+A2+A3 (Furuno)
Inmarsat C:	1 x Furuno Felcom-15
MF / HF:	NSR NHR-1500
EPIRB:	ACR RLB-41
SART:	Jotron TRON SART 20 & NSR NRT-1000
PA System:	Australian monitor installation series AMIS 60

SAFETY EQUIPMENT

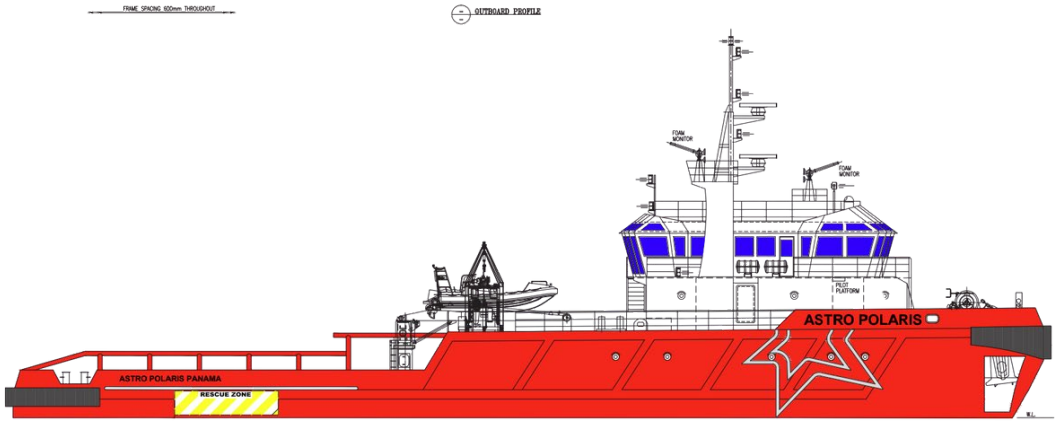
FiFi Monitor:	2 x 1,200m³ / hr
Firemain:	12 Hydrants
Fire Pump:	50m³ / hr
Emergency Fire Pump:	1 x 30m³ /hr
Oil Dispersant:	Spray Boom

RESCUE EQUIPMENT

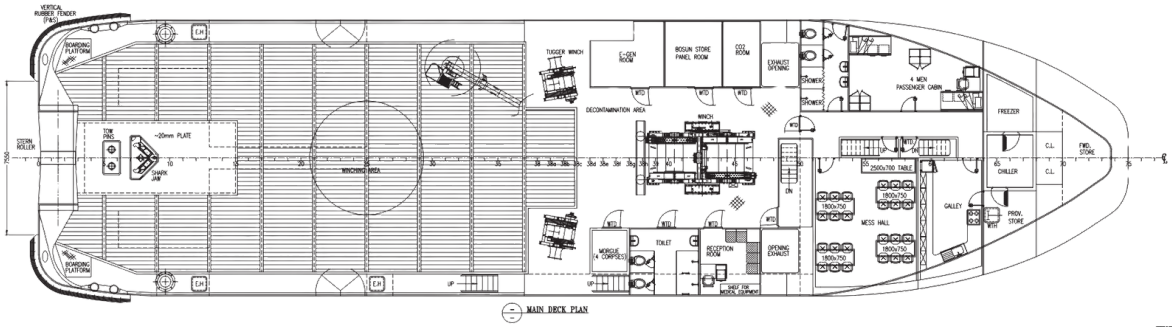
Rescue Boat:	1 x 15 Men, Yanmar D36 / 26.5kw
Life Raft:	4 x 20 Men SOLAS standard

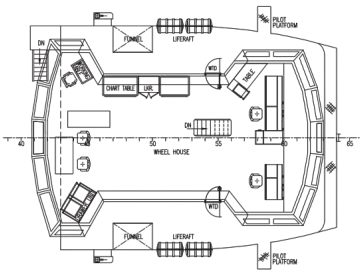


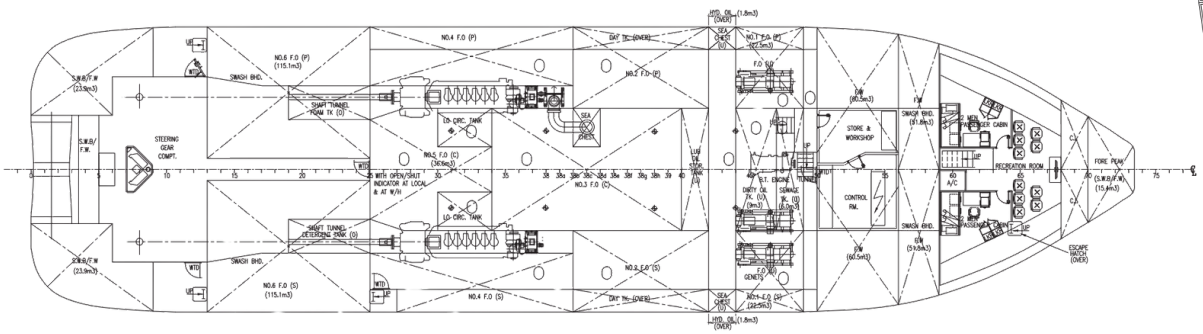
OUTBOARD PROFILE

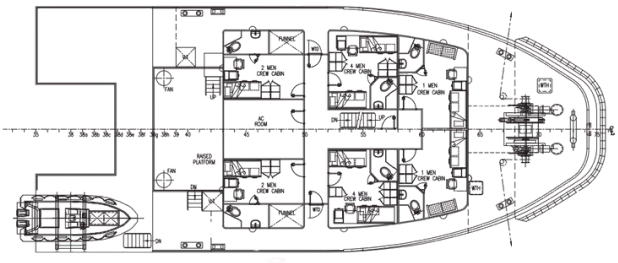


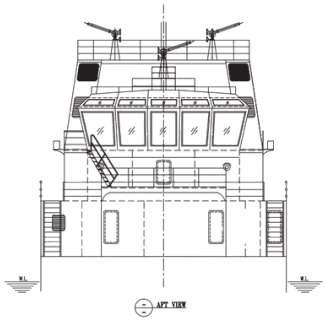
STBD SIDE VIEW











All particulars are believed to be correct but without guarantee