Astro Offshore
An Adani Group Company



ASTRO CAPELLA

5,150 BHP ANCHOR HANDLING TUG

GENERAL

Flag:	Panama
IMO No:	9637569
MMSI:	371001000
Call Sign:	HO8276
Official Number:	48851-17-A
Year Built:	2012
Class:	BV (Bureau Veritas)
Classification:	I X HULL X MACH Tug; Supply vessel; Fire fighting ship; 1 -water spraying; Special service; Anchor handling vessel; Oil Recovery Second Line Unrestricted Navigation

PRINCIPAL PARTICULARS

Length OA:	50.00m
Breadth Moulded:	13.20m
Depth Moulded:	5.20m
Draft (Summer):	4.50m
Deadweight:	750T
Displacement (Summer):	1,927.2T
Bollard Pull:	68.0T
Gross Tonnage:	1,092T
Net Tonnage:	327T

PERFORMANCE

Max Speed:	13.0 Knots

MACHINERY

Main Engine:	2 x 2,575 BHP Caterpillar | CAT 3516B @ 1,600 RPM
Generators:	3 x CAT 18 | Leroy Somer 1,500rpm | 350kW / 50Hz / 3ph
Emergency Generator:	1 x Cummins 83kW @ 1,500rpm
Bow Thruster:	1 x 370kW, HRP 4008 TT CP
Gear Box:	Reintjes-Germany, 7.526: 1
Propulsion:	2 x CPP with kort nozzle, ZF KH

NAVIGATION

Radars:	1 x Furuno, MRD-104 | 1 x Koden MU-201 CR
Gyro Compass:	YOKOGAWA CMZ900
Speed Log:	Furuno DS-80
Echo Sounder:	Furuno FE-700
Magnetic Compass:	Saura M150
NAVTEX:	Furuno NX 700
Weather Fax:	Furuno FAX - 408
ECS Electronic Chart System:	TIME ZERO

ACCOMMODATION

One Man Cabins:	4
Two Man Cabins:	1
Four Man Cabins:	8
Total POB:	38
Medical Bay:	2

DECK EQUIPMENT

Deck Space:	234m²
Deck Strength:	7.0T / m²
Deck Loading:	500T
Deck Crane:	1 x 2T @ 6m
AH / Towing Winch:	1 x Electro / Hydraulic Double Drum
Line Pull:	1 x 150T @ 0.6m / min (low)
Static Brake:	200T on 1st layer each drum
Tugger Winch:	2 x 10T @ 15m / min, electro hydraulic marine equipment
Anchor Windlass:	1 x 5.6T @ 0-12m / min, 36mm cable
Anchors:	2 x 1,080KG HHP Anchor
Stern Roller:	1 x 200T 5.0m x 1.6m dia
Capstan:	2 x 5T @ 15m / min
Karm Fork:	1 set x 200T
Towing Pin:	1 set x 200T
Towing Wire:	850m x 54mm dia
Anchor Handling Wire:	750m x 54mm dia
Spare Wire Storage Reel:	700m x 52mm dia
Reefer Points:	4 Units – 415V 32A

CAPACITIES

Fresh Water:	215.0m³
Ballast Water:	91.78.0m³
Fuel Oil:	595.0m³
Freezer / Chiller:	10.00m³
Foam:	14.31m³
Dispersant:	16.94m³

DISCHARGE RATES

Ballast / Bilge Pump:	1 x 53m³ / hr @ 39m head
Fuel Oil & Fresh Water:	1 x 100m³ / hr @ 75m head

COMMUNICATION

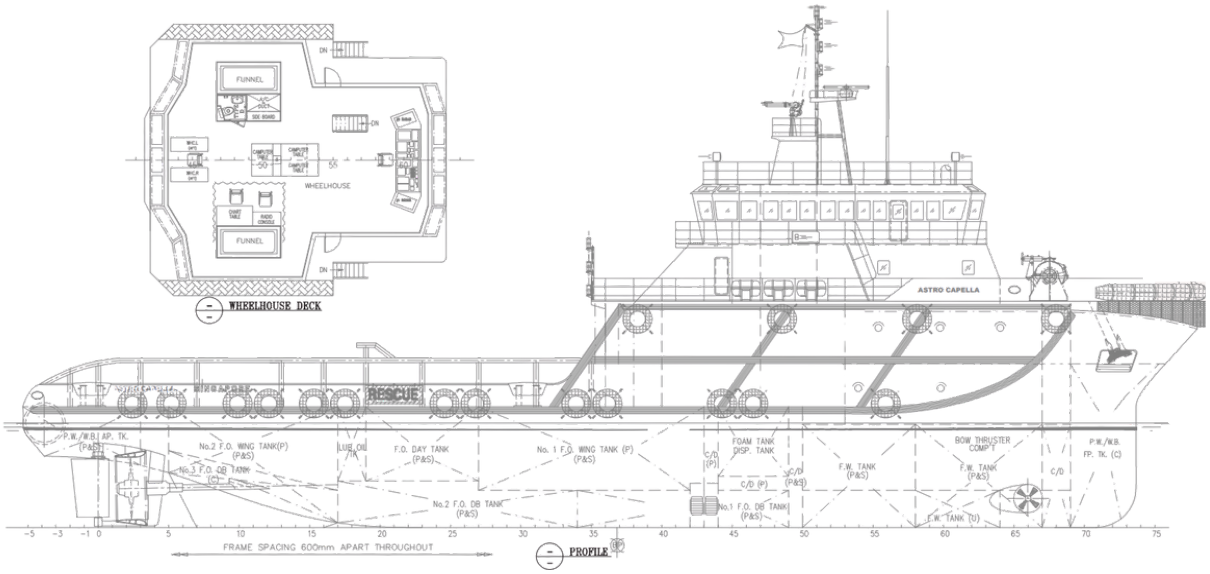
GMDSS Area:	Furuno RC 1,800T
Inmarsat C:	Furuno Felcom 15
MF / HF:	Furuno FS-2571C
EPIRB:	1 x TRON 60S
Intercom System:	Ibuki Phonetech SPA 1,500
SART:	Jotron Sart 20

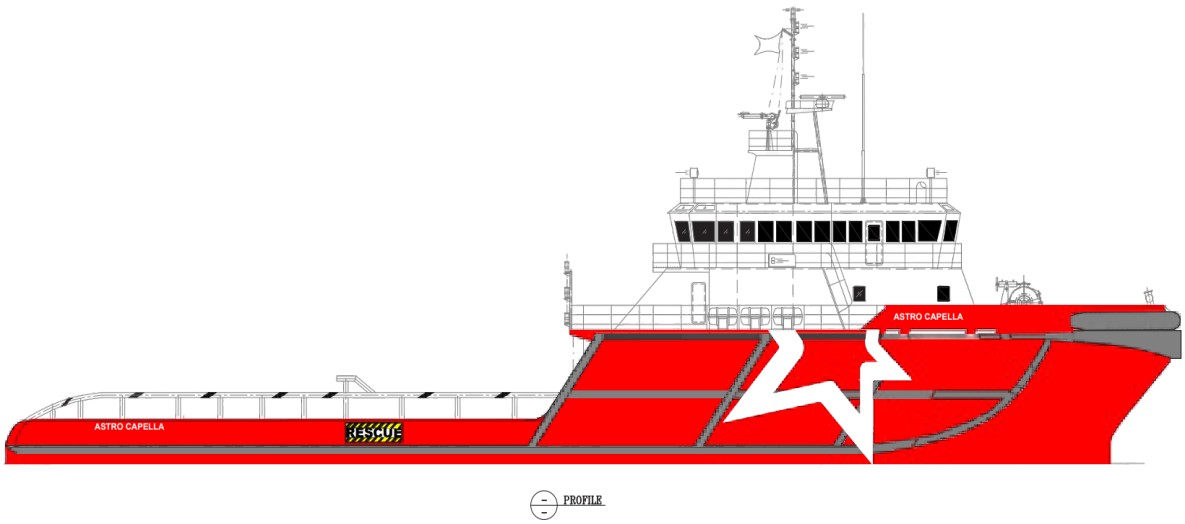
SAFETY EQUIPMENT

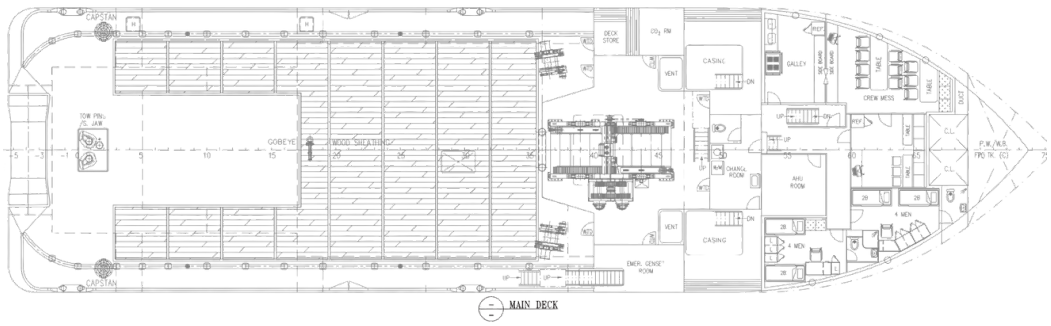
FiFi Class 1 System Pumps:	2 x 1,200 m³ / h FiFi pumps
Main Fire Pump:	1 x 80 m³ / hr @ 70m / head
Emergency Fire Pump:	1 x 50 m³ / hr @ 40m head, diesel driven
Oil Dispersant:	2 x Cluster Nozzles

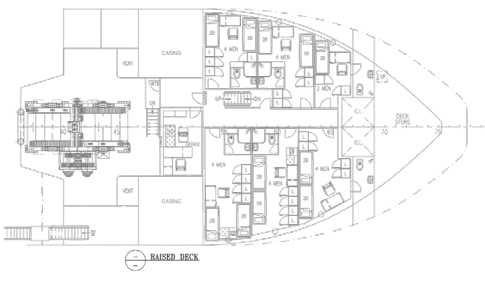
RESCUE EQUIPMENT

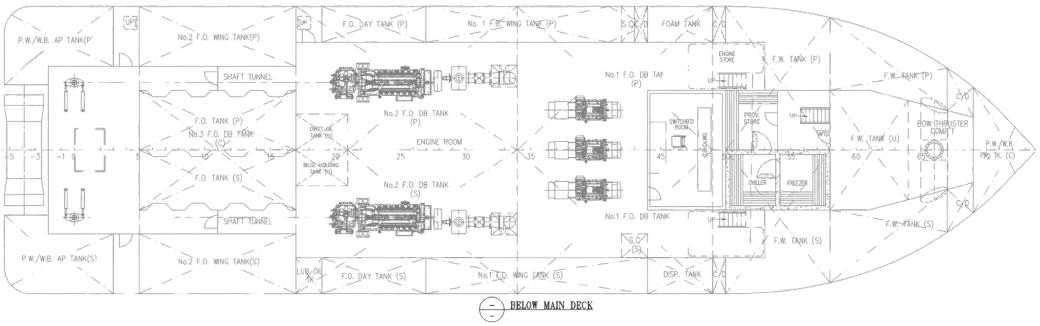
Rescue Boat:	1 x 6 man 25 BHP – diesel engine
Life Raft:	6 x 20 men (SOLAS standard)
Rescue Zones:	Rescue gate with scramble net 3mx5m

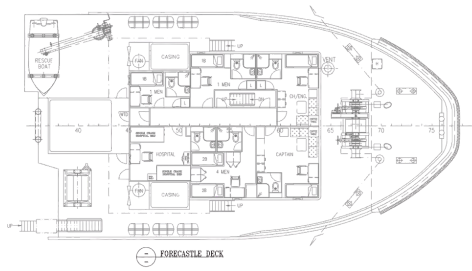












All particulars are believed to be correct but without guarantee