

Caspian Protector

61 M - 5080 BHP - DP 1 - ERRV

Vessel Specifications

TOPAZ
MARINE



Vessel Specifications

General

Type	Emergency response and rescue vessel
Flag	Azerbaijan
Class	ABS XA1, X AMS, Fi-Fi Class 1 and DPS-1, safety-standby A-300
Year of build	2010
Place of build	Berjaya, Malaysia
Port of registry	Baku
Call sign	4JOA
IMO number	9565027

Dimensions

Length overall	61.25 m
Length between perpendicular	58.7 m
Breadth moulded	16 m
Depth moulded	6 m
Draft summer / scantling	4.5 m
Deadweight	1000 t
Net registered tonnage	632 t
Gross tonnage	2108 t

Machinery

Main engines	2 x Caterpillar 1894 kw (3788 kw)
Main generators (shaft driven)	2 x 1000 kw / 440 v / 3 ph / 60 hz
Main generators (diesel driven)	2 x 405 kw / 440 v / 3 ph / 60 hz
Emergency generator	1 x 80 kw / 440 v / 3 ph / 60 hz
Bow thruster	2 x CPP tunnel (1 x 8 t, 1 x 6 t)
Stern thruster	1 x 8 t CPP tunnel
Propulsion	2 x CPP tunnel (in nozzles)
Rudders	High lift 350 flap type rudders
Steering gear	Kobelt

Mooring Equipment

Anchor windlass	1 x Plimsoll 10 t double gypsy
Bow anchors	2 x AC14 anchors each 1575 kg
Chains	2 x 330 m x 38 diameter, grade 3
Capstan	PC-HVC-0, 2 x 5 t

Ancillary equipment

Sewage treatment plant	CWNKL-0233-08 / Korea
Oily water separator	QRS_1OE / 15 ppm
Freshwater maker	Yes

Deck Crane

Manufacturer	1 x McGregor
SWL and radius	2 t x 12 m
Location	Aft mid ship / m. deck

Towing and anchor handling equipment

Towing / AH winch	1 x electro-hydraulic
Wire capacity	1000 m FSWR
Rated pull (1st layer)	60 t
Brake holding	150 t
Stern roller	Fitted, water lubricated
Shark jaws	160 t SWL assembly comprising 2 jaws
Tow pins	160 t SWL assembly comprising 2 pins
Tugger winch	2 x 10 t
Bow fendering	Heavy duty 600 mm x 300 mm

Vessel Specifications

Performance

Maximum speed / consumption	14 knots / 16 t
Economical speed / consumption	10 knots / 5.5 t
Consumption at 100%	MCR 17.5 t
Bollard pull	60 t

Capacities

Fuel oil	500 m ³
Potable water	280 m ³
Ballast / drill water	730 m ³
Deck strength	5 t per m ²
Clear deck area m ²	364 m ²
Clear deck area max L x B	28 m x 13 m

Transfer Rates

Fuel	73 m ³ per hr @ 18 bar
Freshwater	100 m ³ per hr @ 15 bar
Drill water / ballast water	60 m ³ per hr @ 9 bar
Bilge / ballast	60 m ³ per hr @ 9 bar
GS / fire pump	40 m ³ per hr @ 13.5 bar

Communication and navigation equipment

GMDSS station	Area 3, Inmarsat C, Thrane & Thrane
Satcom and type	VSAT
SSB	Thrane & Thrane
Aero VHF	1 x Furuno
AIS	Furuno FA-150
EPIRB	Jutron Tron 40S
Radar transponder	2 x Saracom
Two-way portable VHF / UHF	8 x VHF 5 x UHF
Navtex receiver	1 x Navtex NX-700 A / B
DP system	Converteam DP 1
DP reference systems	2 x Veripos DGPS 1 x Cyscan
Radar 1	1 x Furuno 10 cm
Radar 2	1 x Furuno 3 cm
Gyro compass	2 x Raytheon ST22
Auto pilot	Raytheon NP60
GPS receiver	1 x Furuno GL-150
Echo sounder	1 x Furuno FE-700
Doppler speed log	1 x Walker type 4020
Anemometer	1 x Gill instruments

Fire fighting and anti-pollution equipment

FiFi system	FiFi 1
Fire pump	2 x 1500 m ³ per hr
Monitors	2 x 1200 m ³ per hr
Drenching system	Fitted
Oil dispersant system	2 booms fitted
Oil dispersant storage tank	14 m ³
Emergency fire pump	40 m ³ x 60 m
Locker with fireman's outfit	3 x lockers 14 set SCBA
Portable FiFi applicances	18 x fire extinguishers 11 x hoses
CO2 system for engine room	Yes

Vessel Specifications

Safety equipment

Life rafts	6 x 25 men
Fast rescue boat	2
Rescue boat davit	2 x heave compensated
Daughter craft	3 x MP1111
Daughter craft davit	3 x heave compensated
Life jackets	42 plus 6 spares
Immersion suits	27
Rescue basket	1
Dacon scoop	1
Embarkation ladders	3

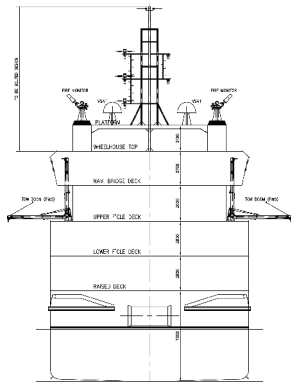
Accommodation

Max per LSA	39
1 berth cabins	15
2 berth cabins	6
Sick bay / hospital	Yes

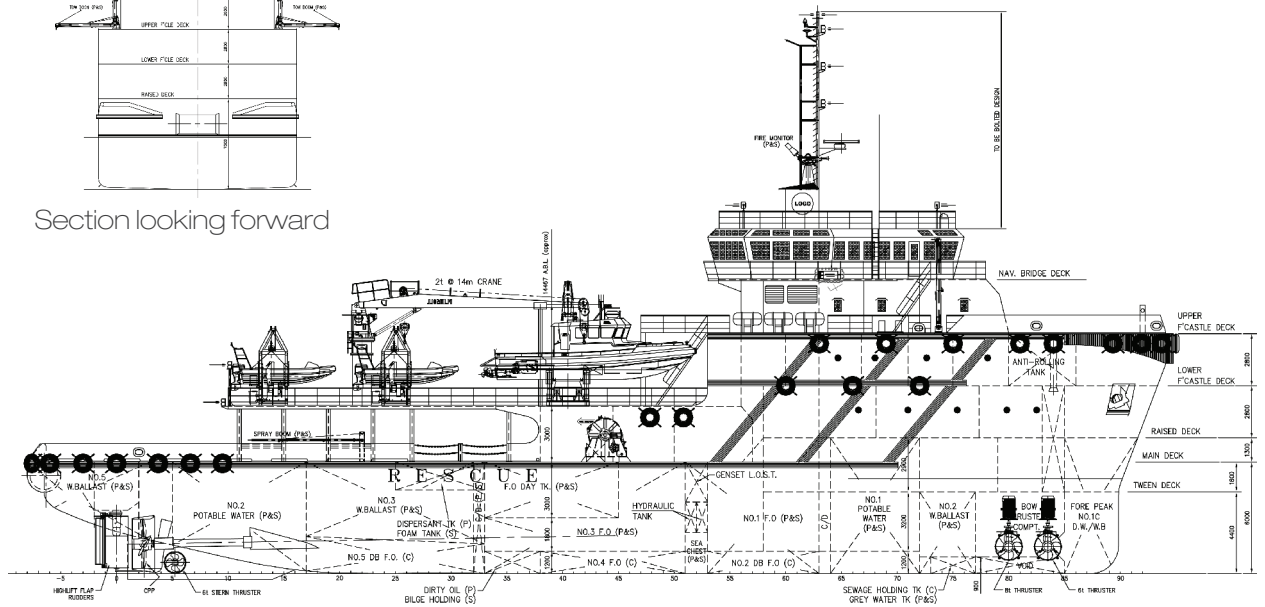
Survivor Accommodation

Reception area	1 x 5 men
Treatment room	1
Sanitary facilities	Yes
Recovery area	1 x 26 berths
Rescue command centre	In wheelhouse
Survivor seating	66 seats
Total survivor capacity	300
Mortuary	Yes

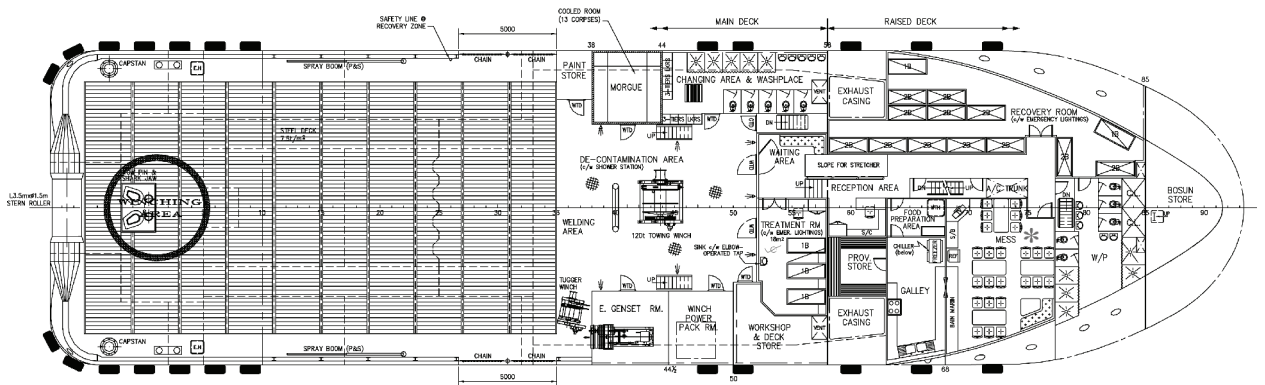
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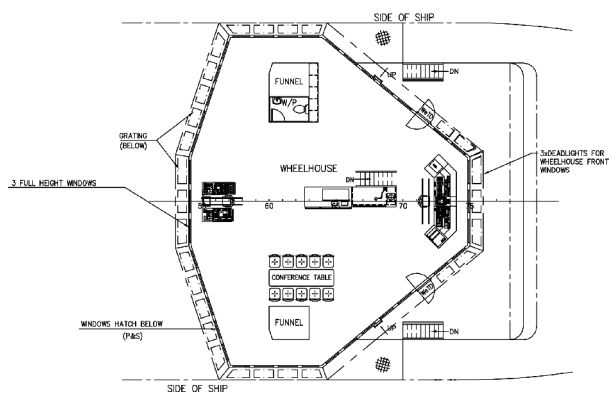
Section looking forward



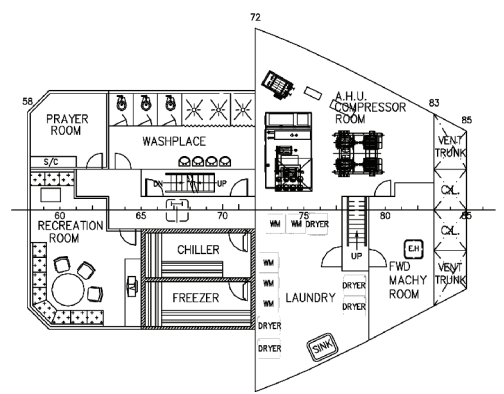
Outboard profile



Main deck



Nav bridge deck



Accommodation tween deck

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