# Baki

## 60 M - Emergency Response and Rescue Vessel

Vessel Specifications

TOPAZ MARINE

# Vessel Specifications

## General

| | |
|---|---|
| Type | Emergency response and rescue vessel (complies UKOOA Group A) |
| Flag | Azerbaijan |
| Class | DNV +1A1, Fire Fighter 1, EO |
| Year of build | 2006 |
| Place of build | President Shipyard, Singapore |
| Port of registry | Baku |
| Call sign | 4JNE |
| IMO number | 9379284 |

## Dimensions

| | |
|---|---|
| Length overall | 60 m |
| Length between perpendicular | 56.06 m |
| Breadth moulded | 13.8 m |
| Depth moulded | 6.8 m |
| Draft summer / scantling | 5.8 m |
| Deadweight | 1354 t |
| Net registered tonnage | 568 t |
| Gross tonnage | 1894 t |

## Machinery

| | |
|---|---|
| Main engines | 1 x Niigata 1811 kw (3623 kw) |
| Main generators (diesel driven) | 3 x 390 kw / 440 v / 3 ph / 60 hz |
| Emergency generator | 1 x 160 kw / 440 v / 3 ph / 60 hz |
| Bow thruster | 1 x White Gill 600 bhp |
| Propulsion | 2 x 360 degrees Azimuth ZP 41 Z Pellers |

## Ancilliary equipment

| | |
|---|---|
| Sewage treatment plant | ISS-35 / Il Seung Korea |
| Oily water separator | DVZ-FSU-"Oil-Chief_15PPM |
| Freshwater maker | Osmosis / Petsea / 14 $m^3$ per day |

## Mooring Equipment

| | |
|---|---|
| Anchor windlass | NorCrane anchor windlass |
| Bow anchors | 2 x HHP |
| Chains | 2 x 350 mm x 36 mm grade 3 |

## Deck Crane

| | |
|---|---|
| Manufacturer | 2 x NorCrane |
| SWL and radius | 2 t x 12 m |
| Location | Port and starboard midship |

## Performance

| | |
|---|---|
| Maximum speed / consumption | 14.25 knots / 22 t per day |
| Economical speed / consumption | 10 knots / 9 t per day |
| Consumption at 100% MCR | 22 t |
| Bollard pull | 70 t |

# Vessel Specifications

**Capacities**

| | |
|---|---|
| Fuel oil | 350 $m^3$ |
| Potable water | 150 $m^3$ |
| Deck strength | 5 t / $m^2$ |

**Transfer Rates**

| | |
|---|---|
| Fuel | 75 $m^3$ per hr @ 9 bar |
| Freshwater | 75 $m^3$ per hr @ 9 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 |
| Satcom and type | VSAT + Sat C |
| | 2 x Furuno Felcom15 |
| SSB | 1 x Furuno FS-2570 |
| Aero VHF | 1 x Furuno |
| AIS | Furuno FA-150 |
| EPIRB | Jutron Tron 40S |
| Radar transponder | 2 x Tron SART |
| Two-way portable VHF / UHF | 8 x ICOM VHF |
| Navtex receiver | Furuno NX-700 |
| Radar 1 | 1 x Furuno 10 cm |
| Radar 2 | 1 x Furuno 3 cm |
| Gyro compass | 1 x Anschultz 22 |
| Auto pilot | Robertson AP9 |
| 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 |
| Foam storage tank | 7 $m^3$ |
| Oil dispersant system | Yes |
| Oil dispersant storage tank | 7 $m^3$ |
| Emergency fire pump | 40 $m^3$ x 60 m |
| Locker with fireman's outfit | 5 |
| Portable FIFI applicances | 28 x fire extinguishers, 21 x hoses |
| CO2 system for engine room | Yes |

# Vessel Specifications

**Safety equipment**

| | |
|---|---|
| Life rafts | 6 x 25 men |
| Fast rescue boat | 1 x 6.5 Avon Searider |
| Rescue boat davit | 1 x heave compensated |
| Daughter craft | 2 x MP1111 |
| Daughter craft davit | 2 x heave compensated |
| Life jackets | 35 |
| Immersion suits | 30 |
| Rescue basket | 1 on board |
| Dacon scoop | Fitted |
| Embarkation ladders | 2 |

**Accommodation**

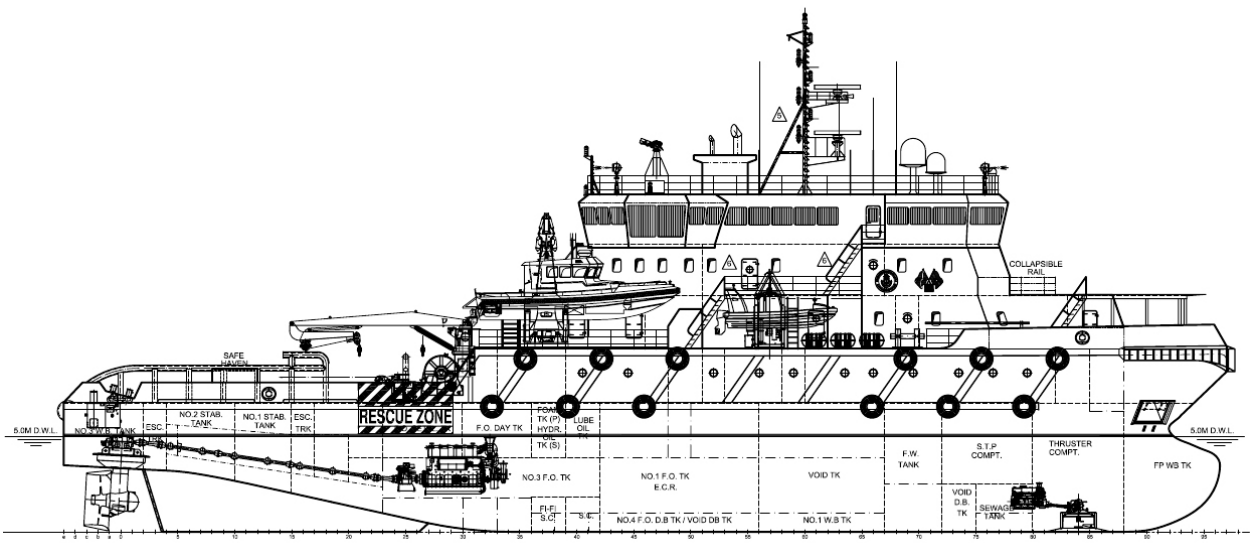
| | |
|---|---|
| Max per LSA | 37 |
| 1 berth cabins | 7 |
| 2 berth cabins | 3 |
| 4 berth cabins | 4 |
| Sick bay / hospital | Yes |

**Survivor Accommodation**

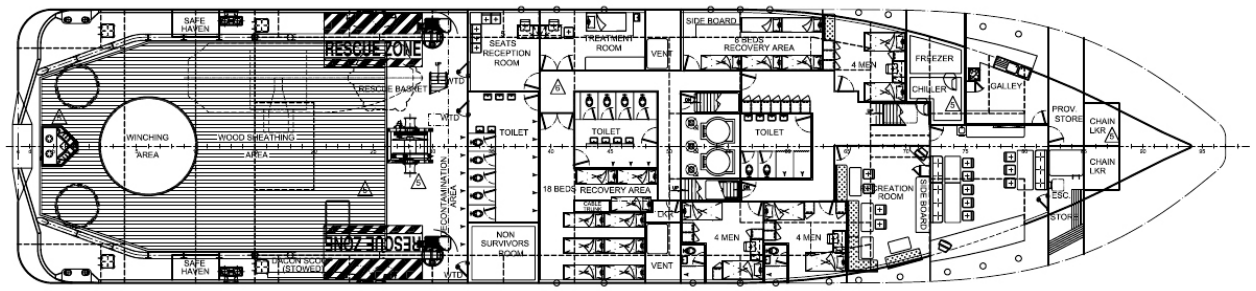
| | |
|---|---|
| Reception area | 1 x 5 men |
| Treatment room | 1 |
| Sanitary facilities | 13 x toilets / showes / washbasins |
| Recovery area | 2 recovery areas, total 26 berths |
| Rescue command centre | In wheelhouse |
| Survivor seating | 66 seats |
| Total survivor capacity | 300 |
| Mortuary | Yes |

Last revision May 2013

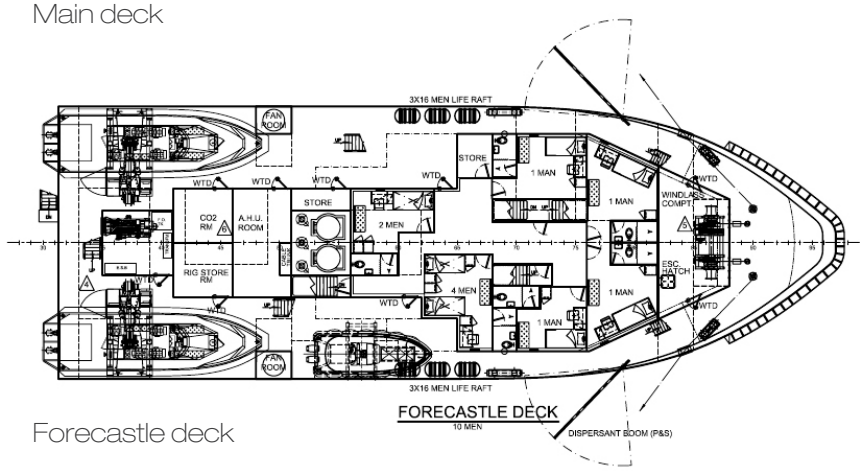
# GA Specifications



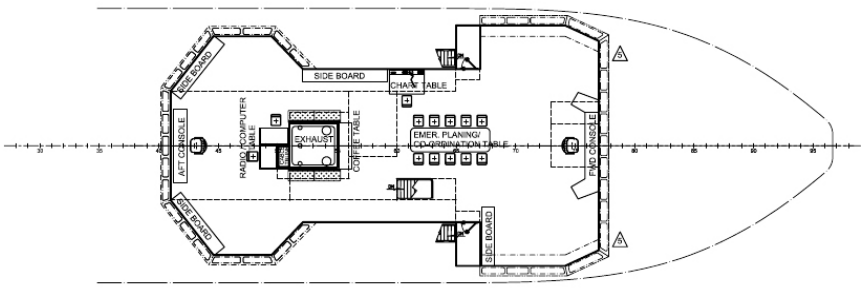

Outboard profile




Main deck

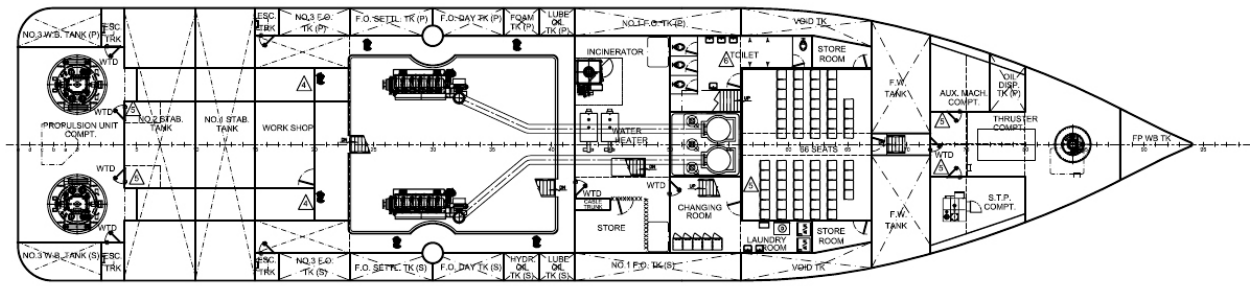



Forecastle deck

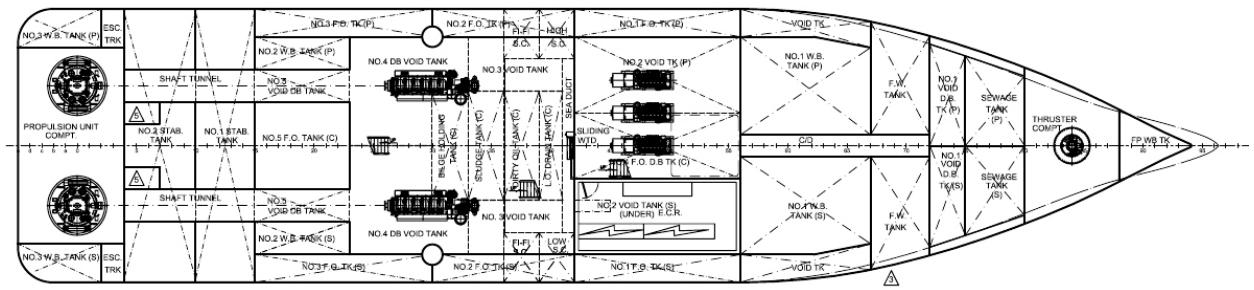



Nav bridge deck

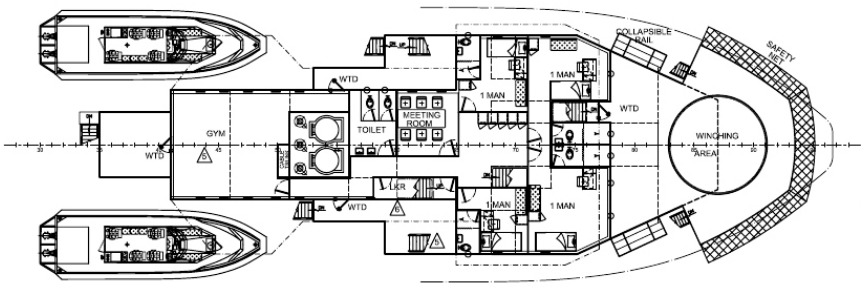
# GA Specifications



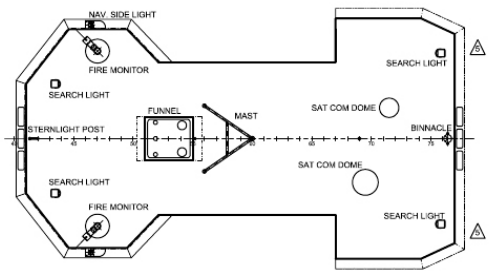

Tween deck




Below tween deck




Boat deck




Wheelhouse top

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