

# **BERJAYA DOCKYARD SDN BHD**

Lot 285, Kuala Baram Industrial Estate, Kuala Baram-Brunei Border Road, 98008 Miri, Sarawak Malaysia. | Tel: +6085 605 888 | Fax: +6085 605 955 | admin@berjayadockyard.com



## CASPIAN PROTECTOR | 61.20M EMERGENCY RESPONSE & RESCUE VESSEL

#### PRINCIPAL PARTICULARS

Built : 2010 IMO Number : 9565027 Length Waterline : 61.20m

Bollard Pull : 60.68 tons with MCR 100%
Depth/Draft/Scantling : 6.00m/4.50m/5.10m
Classification : American Bureau of Shipping

### **MACHINERY/PROPULSION**

Main Engine : 2 x Caterpillar 3516B @

2575bhp / 1600rpm

Main Generator : 2 x CAT 3412C 405kW @

1500rpm

Gear Box : Twin Disc MGRP 1727VC 7.50:1
Tail Shafts : Forged steel propeller shaft &

intermediate shaft (grade 2)

Emergency Generator : 1 x Cummins 6DTS.9G2 80kW

240/415V

Bow Thruster : TCB-90DSMA, 8.0t CPP type

thruster powered by shaft

alternator

Stern Thruster : TCB-70DSMA, 6.0t CPP type

thruster powered by shaft

alternator

### **CARGO CAPACITY**

Clear Deck Area : 309.00m<sup>2</sup>

Fuel Oil Capacity : Approx. 643.90m³ Fresh Water : Approx. 550.10m³ DW Ballast Tank : Approx. 521.00m³

### **DECK EQUIPMENTS**

Anchor Windlass : Electro-hydraulic, 10t @

15m/min c/w double gypsy and single split drum with break holding 100mt (1<sup>st</sup> layer static) c/w drum capacity 100m x 96mm dia. with drum pull (1<sup>st</sup>

layer) 10t x 10m/min

Anchor & Chain : 2 x Stockless anchor 1575kg +

330m + 38mm grade U2 stud

link chain

Vertical Capstan : 2 x Electro-hydraulic, 10t @

15m/min with warping end of

380mm diameter

Tugger Winch : 1 x Electro-hydraulic, 10t @

15m/min, drum capacity 200m x 20mm dia (SWR) and brake holding 15t (static, 1<sup>st</sup> layer)

Towing Winch : Electro-hydraulic, 60t @

6m/min, drum capacity 1000m x 58mm dia (SWR) @ 9 layers and brake holding 150t (static, 1<sup>st</sup>

layer)

Shark Jaws : 160t @ capacity 32-102mm dia

chain and wire rope / 300t 3.5m long x 1.5m dia and

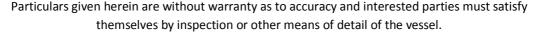
Stern Roller : 3.5m long x 1.5m dia and

designed to take 200T line pull

at 90°

Deck Crane : 1 x Electro-hydraulic, 1.4m

pedestal height, SWL 20kN, max work radius 14m, min work radius 3m, hoisting hheight 20m, max hoisting speed 20m/min, slew angle 300°









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### **NAVIGATION/COMMUNICATION EQUIPMENTS**

Radar : 1 x Furuno FAR-2117 – 96Nm;

1 x Furuno FAR-2137S – 98NM

EPIRB : 1 x Jotron Tron 40S GMDSS

406MHz

SART : 2 x Jotron Tron SART20 Echo Sounder : 1 x Furuno FE-700

Gyro Compass : 2 x Anschutz Standard 22

compass c/w NMEA / course bus booster, 2 x steering

repeater located 1 each at fwd / aft console and 1 unit located at

SGR

1 x Walker 4020

AIS : 1 x Furuno FA-150
GPS : 1 x Furuno GP-150
Navtex Receiver : 1 x Furuno NX-700B

**ACCOMMODATION** 

15 x 1 Berth Cabin : 15 men 6 x 2 Berth Cabin : 12 men Total : 27 men

Survivors

Speed Log

(Recovery Room)

12 x 2 Berth Cabin : 24 men 2 x 1 Berth Cabin : 2 men

(Treatment Room)

3 x 1 Berth Cabin : 3 men

**RESCUE & SAFETY EQUIPMENT** 

3 Daughter Crafts : DAVIT

80kN hoisting capacity, max hoisting speed 60m/min, hoisting height 30m, outreach 4m, weight 12.5t, dimension

7100 x 4930 x 2350

: Boat

LWL 9.16m, WOA 3.5m, draught 0.70m, 15 persons, cruising range 200N. miles, 2 x Volvo D4-225/dp, 4-cylinder, turbocharged intercooled engine,

Davit load 7.375kg, LOA 11.4m,

225hp @ 3500rpm, 630 litres tank capacity

2 Fast Rescue Boats : DAVIT

80kN lifting capacity, max hoisting speed 50m/min, hoisting height 15m, outreach 4.2m, max tension speed

110m/min

: Boat

LOA 6.50m, WOA 2.32m, HOA 2.30m, 15 persons, 1460kg empty load, davit load 2585kg, 2 x mercury 60hp, speed 28 knots,

towing force 7.8kN

Rescue Basket : 2 x 140kg, lifting strops –

polypropylene, tube –

aluminum, 6 points to centre,

single strop, 400kg min

buoyancy

Dacon Rescue Scoope : 1 x 5-7m length, 8-10m width,

300-450kg weight, effective

rescue reach 4-6m



