



# 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



## AVISA 5 | 59.20M ANCHOR HANDLING / OFFSHORE SUPPORT VESSEL

### PRINCIPAL PARTICULARS

Built	: 2011
IMO Number	: 9589475
Length Waterline	: 59.20m
Depth/Draft/Scantling	: 5.50m/4.30m/4.75m
Accommodation	: 30 men
Classification	: American Bureau of Shipping

### MACHINERY/PROPULSION

Main Engine	: CAT 3516B, 2100hp @ 1600rpm
Main Generator	: CAT 3406 DITA, 245kW, 415/3/50, 24DC electric start
Gear Box	: Hitachi Nico MGX5600, Ratio 5.76:1
Tail Shafts	: Forged steel propeller shaft & intermediate shaft (grade 2)
Propeller	: 4 blade nickel manganese bronze, fixed pitch propeller
Bow Thruster	: 5.0 tons thruster driven by diesel engine Volvo D12-MH, crankshaft power, 367kW (499hp) @ 1800rpm, Twin Disc gearbox MG5114SC, Ratio 1.50:1
Steering Gear	: 2 x 40 TM Torque independent SG system with 2 HPU. Fitted in conjunction with an emergency hand hyd. steering system. Joystick type steering levers fitted on both fwd & aft w/h control console

### CARGO CAPACITY

Clear Deck Area	: 398.40m <sup>2</sup>
Fuel Oil Capacity	: Approx. 531.00m <sup>3</sup>
Fresh Water	: Approx. 358.00m <sup>3</sup>
Drill Water Tank	: Approx. 318.00m <sup>3</sup>
Water Ballast Tank	: Approx. 115.30m <sup>3</sup>

### DECK EQUIPMENTS

Anchor Windlass	: 1 x Electro-hydraulic, 8 tons @ 10m/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. (PP Rope) with drum pull (1 <sup>st</sup> layer) 10t x 10m/min
Anchor & Chain	: 2 x Stockless bow anchor 1575kg + 412.5m + 36mm grade U2 stud link chain
Vertical Capstan	: 2 x Electro-hydraulic, 5 tons @ 15m/min with warping end of 400mm diameter
Tugger Winch	: 2 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	: 1 x Electro-hydraulic, double drum in waterfall arrangement, upper drum c/w spooling device, drum capacity 1000m x 58mm dia (SWR) at 150t x 6m/min (lower speed), 75t x 12m/min (middle speed), 50t x 18m/min (high speed) with brake holding 225t (static, 1 <sup>st</sup> layer)

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Shark Jaws	: SWL 300t @ capacity 57-114mm dia with chain and wire rope
Stern Roller	: 4.2m length with 1.6-1.8m dia and designed with SWL 250t line pull at 90°
Deck Crane	: SKH-RBPC-3T9M, 1 x electro- hydraulic, 3 tons @ 9m (outreach) for provision and 1.1 tons / 1.654 tons for rescue davit / liferaft

## NAVIGATION/COMMUNICATION EQUIPMENTS

Radar	: 1 x Furuno FAR-2117 – 96Nm 1 x Furuno 1932MK2 – 48NM
GMDSS Unit	: Furuno model RC-1800T 250w GMDSS radio console with dual Inmarsat-C model Felcom-15, 250w MF/HF radiotelephone model FS-2570 & 25w VHF radiotelephone model FM- 8800S
EPIRB	: 1 x MCMURDO Smartfind E5, 406MHz
SART	: 2 x MCMURDO model S4
Echo Sounder	: 1 x Furuno FE-700
Compass	: 2 x Anschutz Standard 22 compass c/w auto speed error correction & auto dynamic error correction
AIS	: 1 x Furuno FA-150
GPS	: 1 x Furuno GP-150
Navtex Receiver	: 1 x Furuno NX-700B
Speed Log	: 1 x Furuno DS-80

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