



FISHERY RESEARCH VESSEL 7417

“BAIA FARTA”

GENERAL

Yard number	556069
Delivery date	October 2018
Basic functions	Fishery, geological and hydrographical research, environmental sampling
Classification	DNV: *1A1- E(0) - SPS - COMF V(2) C(1) - SILENT-A/F/R - Dynamic Position DPS2
Underwater noise	Compliant with ICES, CRR report 209
Basic Design	Skipsteknisk, type ST-368
Owner	Ministry of Fisheries of Angola

DIMENSIONS

Length overall	74.10 m
Beam overall	16.40 m
Depth	8.70 m
Draught (design)	5.30 m

TANK CAPACITIES

Fuel oil capacity	430 m ³
Fresh water capacity	120 m ³
Stability tank	Controlled passive Hoppe system

PERFORMANCES (APPROX.)

Speed (90 % MCR)	15.0 kn
Bollard pull	30.0 t

RANGE (APPROX.)

9000 nautical mile	(29 days at 13 knots)
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PROPULSION SYSTEM

Main drive	2x AC electric motors in tandem
Output	max. 2 x 1650 kW/180 rpm, silent execution
Propeller	1x FPP 3600 mm in extreme low noise configuration
Bow thruster	FPP retractable type, e-motor, 700 kW
Stern thruster	CPP tunnel type, e-motor, 400 kW

AUXILIARY EQUIPMENT

Generator sets	2x Wärtsilä 9L20, 1710 kW/690V 1x Wärtsilä 6L20, 1140 kW/690V
Emergency generator set	1x Caterpillar C6.6 ACERT, 125 kW

DECK EQUIPMENT

Deck cranes	1x 8 t at 15 m, 1x 1.5 t at 8 m, 1x 2.5 t at 6 m
A-frames	1x 25 t, 1x 10 t
CTD retractable beam	1x 6 t in hangar
Split trawl winches	2x 30 t, 5000 m wire
Gilson winches	2x 12 t 290 m wire
Net drum winches	1x 35 t, 10 m ³ / 1x 25 t, 2x 10 m ³
Net sounding winch	1x 5.6 t, 4700 m wire
CTD winch	1x 6 t, 6000 m wire
Hydrograph. winch	1x 4 t, 2000 m wire
Generator purpose winch	1x 10 t, 2000 m wire/1x 5 t.,2500 m wire
Dropkeels	2x 3 m under keel

ACCOMMODATION

Fully air-conditioned accommodation for 51 persons (29 crew and 22 scientists)

LAB AND WORK AREA'S

Main environmental Lab.
Analysis Lab. (Plankton)
Chemical Lab.
Dry Lab. (Data collecting centre)
Fish Lab.
Fish Processing area

SURVEY EQUIPMENT

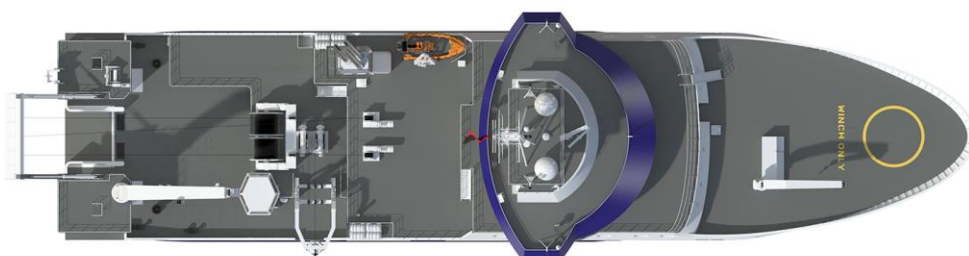
Double (2x) Retractable keel for lowering scientific transducers.
Split beam echo sounder, Simrad EK80
Multi beam echo sounder, Simrad MS70
Omni directional sounder, Simrad SU90
Trawl monitoring system, Simrad PI and FX80
Bottom sounder, Kongsberg EA640 12/200 kHz (optional)
Deepwater multi beam echo sounder, Kongsberg EM122 1x2 degree
Acoustic positioning system, Kongsberg HiPAP 501 system
Acoustic Doppler Current Profiler with a 38+150 kHz transducer
GeoAcoustic system, Kongsberg GeoPulse Plus
Thermosalinograph, Seabird SBE21
CTD and Rosette sampler, Seabird SBE911 and SBE32 (24 bottle of 10ltr)
Motion Reference Unit and extensive meteorological instruments.
ROV, Saab Seaeeye Leopard - up to 1500 m depth (optional)

NAUTICAL AND COMMUNICATION EQUIPMENT

Radio equipment according to GMDSS rules for Area A3.

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