



IMMORTALIS

148' (45.11m) 1996 Niigata
Fremantle Western Australia Australia



OVERVIEW

Manufacturer: *Niigata*

Engines: 1 Niigata

Engine Model: 6MG25HX

Engine HP: 1479

Beam: 24' 3"

Max Draft: 10' 5"

Water: 2641 G (9997.27 L)

Hull Material: Steel

Cruise Speed: 10 Knots

Max Speed: 12 Knots

Cabins/Heads: 6 / 6

Fuel Type: Diesel

Fuel: 26681 G (100998.52 L)

\$3,950,000



Data Sheet

Category: Motor Yachts
Condition: Used
Model Year: 1996
Refit Year: 2021
Beam: 24'3" (7.40m)
Max Draft: 10' 5" (3.20m)
LOA: 147' 8" (45.01m)
LWL: 128' 5" (39.15m)
Cabins: 6
Sleeps: 12
Heads: 6

Crew Cabins: 5
Crew Sleeps: 12
Maximum Speed: 12 Knots
Cruise Speed: 10 Knots
Range NM: 7500
Fuel Type: Diesel
Super Structure Material: Aluminum
Hull Material: Steel

Gross Tonnage: 319
Fuel Tank: 26681 gal (100998.52 liters)
Fresh Water: 2641 gal (9997.27 liters)
Interior Designer: Ashley Sutton Design
HIN/IMO: CIYS-9135418

Engines/Generators

Engine 1

Niigata
6MG25HX
1479HP
1102.89KW
Fuel: Diesel
Hours: 11992
Hours Date: 05-01-2022

Summary/Description

Specialized Expedition Vessel

Immortalis was built in 1996 by Niigata shipyard for the Japanese government as a scientific research vessel. Her work included seismic surveying, fish stocks monitoring, carrying large loads and also worked as a crew training vessel.

She has a comprehensive setup of military grade equipment throughout the boat. Every system has a failsafe full backup system.

In 2020/2021 she was undergoing an extensive refit to become a specialized expedition vessel.

Key highlights to the refit:

- 18t of steel added to keep to improve stability
- Purpose built great room for conferencing/dining/working
- Expansive back deck for working and storage
- Sun deck and helipad deck for additional amenities
- Purpose built galley for long expeditions and gourmet food

Immortalis is a long-range expedition style yacht. The refurbished vessel marries modern contemporary style with glimpses into her former life as a scientific research vessel. The relaxed yet functional environment is available for guest to enjoy, relax and explore in tailor made fashion.

Overview

CAPACITIES

- Fuel tank: 9 tanks, capacity 101.92 m3
- Fresh Water Tank: 2 tanks, capacity 18.42 m3
- Waste Oil: 1.96 m3
- Black Water: 250l, 2600l

MACHINERY

- Main Engine: Niigata 6MG25HX 1500PS x 750rpm
- Engine hours: 11,992 hours (May 2022)
- Gearbox: Propulsion - 11,992 hours (May 2022)
- Propeller: KAMOME 4 blades CPP-53AVCN-1
- Bow thruster system: Bow thruster - KAMOME TCA30UN; Pump motor - Shinko CR-G

FUEL FILTERING SYSTEM

- Micfil Ultra Fine Filtration system, containing:
- Micfil bag filter BG400, water separator WS1000, quad
- AL600 0.5 Micron, stainless steel quad manifold
- Volumetric pump 4000 l/h
- Water sensor monitoring

WATERMAKERS

- 1. AquaPet SF-30N
- LP SW pump Sanshin FOHM32A
- LP SW pump motor Tayio TIF-71
- 2. ECH2 TRC 1800 Pro 4
- LP SW pump WEG MARCH -0151-0039-1300

OTHER SYSTEMS

- Water filtration system: UVBB - 3/SD/EPM Sterilization UV 57lt/min
- FW electric heater: Harrison Co Ltd model 16 220 F6
- Fresh water System: Kawamoto pump NF2K x2
- Toilet system: Tecma silence plus 2G x9
- Hydraulic System:
- Upper deck crane hydraulic control pump - Sumitomo turniger 422F
- Upper deck crane hydraulic control pump - Shinko IRG
- Aft deck crane hydraulic pump motor - Dezhou Hen Li Electric
- Cathodic protection: Zinc anodes

BILGE SYSTEM

- Bilge OWS - Taiko USH03
- Bilge OWS motor - Nidec Power FEQ
- Bilge OWS pump - AIQ4257
- Bilge pump - Japan MCQS-50
- Bilge pump motor - Shinko CRQI-G

FIRE EXTINGUISHING SYSTEM

- Hoses, fire extinguishers:
- 11 x Powder 9kg
- 3 x Foam 9kg
- 3x CO2 5kg
- Fire Pro - fixed fire suppression system in engine room
- Emergency fire pump on the aft deck

GENERATORS

- 2 x Niigata 6NSF-G 250ps 1200rpm
- Port hours 13,880 (May 2022)
- Starboard hours 13,614 (May 2022)
- Nippon Sharyo HO7DC
- 2 x Shinko TVLI GJ 603

AUDIO & VISUAL EQUIPMENT

Surveillance cameras

- 2x Hikvision Exir Fixed Dome Model DS-2CD2155FWD-I
- 5x Hikvision network camera model DS-2CD2063G0-1

TV's

- 4 x Samsung TV 32" (Guest rooms, crew area)

- 3 x Samsung TV 43" (Guest rooms)
- 1 x Samsung TV 82" (Great room)

SOUND SYSTEMS

- SONOS 5.1.2 home theatre package with ARC (Great room)
- SONOS one gen 2 speaker wireless (Sundeck)

NAVIGATION & COMMUNICATION

- Radar 1: Furuno Denki FAR-2107, RCU-014
- Radar 2: Furuno DRS4D-NXT
- Plotter 1: Furuno Denki GD-700
- Plotter 2: Furuno Navnet TZ3, TZX19F
- Multi Distributor for Data: Furuno MD-550 (new, installed in May/June 2022)

AIS

- Furuno F-170 AIS unit
- Jotron AIS SART
- EPIRB: Tron 60S 406mhz
- GPS: Furuno GP-39 (new, installed in May/June 2022)
- Sonar: Furuno FCV-1500L
- Autopilot: Tokyo keiki PR-2604-SS/ Furuno Navpilot 711C
- Gyro Compass: Tokyo keiki TG-6000
- Magnetic Compass: Tokimec SH over 1 65A
- Navtex: NCR-300A
- MF/HF SSB Radio telephone: Samyung SRG-3150DN
- Printer/Photocopy: Epson PX-M5041F

VHF/UHF

- Furuno marine VHF radio FM-4800 +antenna CX4 (new, installed in May/June 2022)
- 2x JHS-32A
- 5x ICOM IC-M25
- 4x ICOM VHF
- 3x Motorola UHF
- GSM - 4G: Peplink MAX HD 1
- Wifi routers: 4x Ruckus 7372 (new) + 4 routers
- Satellite phone with handset: Thuraya SatSleeve
- LRIT/Inmarsat C: Cobham Sailor 3027 Mini-C Terminal, Sailor SSS add-on kit for 6110
- incl. terminal Sailor 6194, alert and test buttons
- Inboard Telephone System: OKI - Marine phone system

ELECTRICITY

- Main Power Supply:
- 3 AE producing 220V / 60hz
- 110VAC / 60hz
- 24V DC
- Shore Connection: 3 phase 125-250amp
- Shore Power Converter: Delta star 110KVA 3 PHASES 440V/400V/380V -> 220V 50/60HZ 3P

- Engine Room battery chargers: 1 battery charger
- House/Emergency battery chargers: 2 battery chargers
- House/Emergency batteries: 2 battery banks
- Radio batteries: 1 battery bank
- Navigation lights: Standard navigation plus N.U.C. and R.A.M.
- Deck Lights: 4x LED flood lights dimmable 220v / 200W
- Underwater lights: 2x Bluefin LED MR20TH

GALLEY

- Rational Self Cooking Center 5 Senses Model 61 Single Deck Combi
- Oven - new
- Commercial electric fryer (capacity 16l) - new
- Commercial hot plate griddle HG-24 - new
- Commercial hot plate stove Marinox HPO-4S-900 series - new
- Glasswasher/dishwasher machine Reyco model GW-11l - new
- Commercial ice maker Bayin / Pola model BY-100/200 - new
- Commercial blender with sound cover - new
- Philips rice cooker HD 3138 - new
- Fire blanket - new
- Freezer/refrigerator - Hoshizakidenki HRF-96PT
- Tiger Professional rice cooker JNO- A270
- Diamond drinking water filters - new
- Juicer
- Storage boxes (25 pc, different sizes)

Galley cold store:

- Compressor - Daikin 2C5825E-F
- Compressor motor - Shinko CR-G
- 2x Freezer midea HS185CNK (aft deck storage)

Great room:

- Diamond drinking water filters - new
- 2x wine/drinks fridges
- water dispenser
- Espresso machine - CIME CO-01 semi automatic
- Eureka - Coffee grinder Mignon Manual

Laundry:

- 2x Laundry dryer 10.5kg Speed Queen
- 2x washing machine front load 10.5kg Speed Queen

Cleaning: Wet/dry vacuum, indoor vacuum

SAFETY AND LIFE SAVING EQUIPMENT

- Life jackets: 25x SOLAS
- Life rafts: 2x 25 person Youlong Rubber KHA-25 (surveyed April 2022)
- First aid kit: 1x 25 person kit; 1x 5-10 person kit (tender)

- Rescue tender: Primarily- Air Rider 7.5m tender; secondary- Zebec Armada 380

Other safety equipment:

- 3x EEBD
- 2x Fireman suits Nomex Deva Original with breathing apparatus
- 4x perry buoy 2.5 kg
- 2x perry line 30m
- 6x safety torches
- 4x line thrower
- 4x smoke flares
- 12x parachute flares
- 4x hand flares
- 2x MOB smoke lifebuoy marker

DECK EQUIPMENT

Anchor system:

- Anchor hydraulic winch pump - kawasaki screw B38-4L5FLTTD
- Anchor winch motor - Shinko DR-G
- Anchors: 2 x UIS type
- Anchor Chain: Port 6 sections (164m), starboard 5 sections (138m)
- Mooring Equipment: Bollards

Deck Crane:

- 1. FURUKAWA UNIC UB-333 SWL 950kg
- 2. HAOYO C-F3-10S3 SWL 4.5t @4m 1.5t @10m

Swim Ladder: Stainless steel

- Fenders: 14 x F11

Aftdeck:

- Surfboard racks
- Fridge for drinks
- Cooler sportsman 120QT
- Bean bags 3x floating, 3x sitting bags
- Air pump (storage room)

Sundeck:

- Fan cooling bar refrigerator 2 Door SS
- 4x sofa bean bags
- 2x sunlounges

DIVING EQUIPMENT

- Compressor: Bauer PE250-TE 220Volt-60hz; 225 bar with P21 separator
- Filter: Paramina P61 XL with wall bracket
- Air distribution Network: 2 x Bauer filling whips, 2 x filling hoses 10m, 2 x filling adapter

Dive sets:

- 2 x Mares – abyss 22X regulator, rover octopus, mission 1, BCD
- F-light, Rover mask and snorkel, X3 fin open heels, low cut booties
- 2mm, weight belt with s/s buckles, 2x2LBS lead weight, 1x2LBS soft weight
- 80 CUFT Tank: 6 x 80 CUFT Tank aluminium extra

OTHER EQUIPMENT:

- Fishing: 11 rods and reels
- Standup paddle board
- Resistance bands and Olympic rings

MAINTENANCE & UPGRADE WORK

- May 2020@Sensei CO. Ltd Shimonoseki Factory:
- Service and measurement of propeller and rudder shaft
- Ultrasonic thickness measurement of the hull
- Antifouling

Refit 2020/21 @ BBS SHIPYARD BATAM/INDONESIA

- Drydock in Citra Oct/Nov'20:
- Installation of additional generator
- Installation of additional water maker
- New ballast keel plate 16T
- Installation of additional transducer eco sounder
- Hull blasting/washing/painting (3 layers incl antifouling)
- Ship marking
- Rudder blades – scraping, HP washing (3000 Psi), blasting and painting
- Installation of swim platform

BBS (June 2020-December 2021)

- Crew cabins: new frame up, cables, sockets, flooring, ceiling, walls, insulation, entry doors, ducting
- Crew mess room: new frame up, cables, sockets, flooring, ceiling, walls, insulation, installation of table and sofa
- Crew mess bathroom: new piping, drains, washing machines and dryers, framing, lightings, ceiling, walls
- Guest cabins: new frame up, cables, sockets, flooring, ceiling, walls, insulation, lighting, entry doors, ducting, furniture, mattresses. New TV's and telephone system
- Guest cabins bathrooms: new piping, toilet, shower, floor, drains, tiles, glass panel, taps, lights, ducting
- Camera room and hallways: remove taps and fitting from the wall, box up wall leading to bathroom, fit toilet power, flooring, walls, lighting, fit table for camera room, staircase handrails, cables, sockets, telephone system, fire system
- Entry toilets and shower: new toilets, tiles, walls lighting
- Storerooms fwd galley: change of lighting, new flooring painting, installation of accumulator and transformer
- Galley: install new oven and dishwasher, new walls, flooring, ceiling, overhead exhaust fan, double sink, fire doors
- Bridge deck - vent for ensuite cabin, overhaul of the old crane
- Aft deck: bulwark completion cut off and replace the hatches, box cover for batteries, new floor for fish room, staircase to upper deck, new bollards, stainless steel railings, timber flooring
- Installation of new crane pedestal and the crane
- Installation of new desal including LP pump
- Great Room - fabrication, installation, incl. removal of existing structure behind wheelhouse, bathroom for GR,

new AC's, lighting, floor, glass and internal fit out

- Sundeck: installation, painting, new windows, railings, monkey deck, scuppers, louvers, lighting, ventilation, bar area, teak flooring
- Mezz deck fabrication and installation incl glass, lighting stairs to bridge deck, tender tie down points
- Mast: reinstalling equipment on new mast

Disclaimer

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