

Specification Exploration Yacht "M/V UTO" (Ex Finish Government vessel Utö)

Owner:	Eagle Shipping Ltd (B.V.I reg. number 493181)
Flag:	St. Vincent and the Grenadines
Official nr:	40195
Call sign:	J8Y3725
IMO nr:	6404739
MMSI / DSC nr:	376 225 000
Built:	1964 by Valmet Shipyard, Pansio, Finland
Hull nr:	262
Hull construction:	Steel with superstructure in aluminium
Gross / Net tonnage:	164 / 50
Class:	Private Yacht, Finnish Ice class B (without stabilisers)
History:	<p>Built for Finnish Government and used by them up to 1970. Given to Åland Seaman School 1971 and used as training vessel. Sold to Eagle Shipping 2005. Rebuilt and converted 2008 – 2009 in Germany to Private Yacht. Shipyard for dry docking, hull, stabilizers, bow thruster and all other steel work was Elsfleth Shipyard, Elsfleth. Shipyard for interior and exterior was Bootswerft Winkler, Bremen.</p>
LOA:	26.90 m (88, 2 ´)
LPP (ITC 1969):	24.15 m
Beam:	7.00 m (27, 6 ´)
Depth moulded:	3.90 m
Draught:	2.80 m (9, 0 ´)
Tank capacities:	Fuel: 13 m ³ Fresh water: 9 m ³ Ballast: 20 m ³ Sewage: 1 m ³
Dry docking:	Dry docking July 2009. Sand blasting of underwater hull, New 2 component under coating and 2 coats of anti fouling.
Main Engine:	B & W Alpha 404 – 26 303 KW (400 HP)
Propulsion:	B & W Alpha VO Gearbox to three blade variable pitch propeller.
Start air compressor:	Sperry
Fuel oil separator:	Alfa Laval
Engine room and deck TV cameras:	Lores camera system with 3 cameras in engine room and outside Cameras, 1 on port side, 1 on starboard side and 1 aft.
Steering:	Tenfjord with separate hydraulic emergency steering
Auto pilot:	Robertson AP 9 Mk II with repeater
Gyro compass:	Robertson R GS 50
Bow thruster:	60 HP Hydraulic Wesmar V2-18NS driven by Generator 2
Stabilizers:	Wesmar RS 1600 TPM (2 X 1.6 m ² hydraulic fins)
Speed:	Top 9 NM Service 8 NM
Consumption:	8 NM 50 litre / hour including 54 KvA generator 7 NM 40 litre / hour including 54 KvA generator

Generators:

Generator 1: Valmet 411 54 KvA
Generator 2: Valmet 611 75 KvA
Generator 3: Mastervolt Whisper 25 Ultra 25 KvA with digital diesel control in Sound Box with special very quiet exhaust system

Sewer system:

Hamann AG Mini L-Frame Big (15-20 persons living permanently)

Electrical system:

380/220 volt 50 HZ or 24 volt
Transformer for 380 to 220 volt
Transformer for 220 to 24 volt
24 volt battery bank 500 amp for emergency radio operation
24 volt battery bank 500 amp for emergency lightning

Alarm systems:

Engine room alarm: Noris Automation Alarm with alarms and controls in engine control room, corridor in crew quarters and on bridge. (Unmanned engine room)

Fire alarm: Consilium System AB C300 with alarm panel on bridge and sensors in 5 areas.

Navigation equipment:

Radar 1: Racal Decca Bridge master (ARPA) 25 kW
Radar 2: Decca Bridge master E 180 10 kW
GPS 1: Phillips AP Navigator Mk 6
GPS 2: Furuno Navigator GP 150
GPS 3: Asus PC / Pundit computer P1-AH1 / P1- AH2
Connected to LG Flatron 20" flat screen with MAX SEA navigation system with complete charts for Europe

AIS: Furuno Universal FA 150

NAVTEX: ICS Electronics Nav 5 GMDSS NAVTEX receiver

Depth meter: Furuno FCV 585 with repeater Furuno RD-30

Wind meter: RM Young Company WM 32596 with tracker

Radio equipment:

VHF 1: GMDSS Sperry Compact RT 2048 with Sperry Compact DCS RM 2042

VHF 2: Sperry Compact RT 2048

VHF 3: Uniden MHS350 Handheld Waterproof all band VHF

VHF 4: Uniden MHS350 Handheld Waterproof all band VHF

GSM phone 5 w Nokia 810

Fire equipment:

Main fire pump: Electric fire pump for seawater in engine room with outlets in engine room, corridor lower deck, saloon, side deck starboard, side deck port, aft deck and boat deck.

Emergency fire pump: Honda 5 HP with hose for spraying and hose for discharge (use as emergency bilge pump) on aft deck

Fire mans outfit: 1 complete with tools and breathing apparatus in fire mans locker

Fire extinguishers: 2 x CO2 5 kg on bridge, 1 x CO2 5 kg on aft deck, 2 x Foam 5 kg in saloon, 3 X CO2 12 kg in engine room, 1 X CO2 3 kg by main electric panel, 1 X 6 Kg CO2 in stairway to engine room, 1 X 6 Kg CO2 in paint store, 1 X 5 Kg CO2 on fore deck by wave runners, 1 X CO2 6 kg in Galley, 1 X 6 kg Foam in crew area and 2 X Foam in lower guest cabins.

Ventilation shut off: Manual on boat and aft deck.

Fuel shut off: Manual on port side deck and on funnel boat deck

Safety equipment:

MOB boat / dingy:	5 meter Sea cat catamaran RIB with 90 HP Suzuki outboard, VHF and depth meter.
Life raft:	2 X 16 people on boat deck for world wide trade.
Life west:	22 automatic on boat deck and 3 automatic in MOB boat
EPIRB:	1 with automatic release on bridge
Radar transponders:	2 on bridge
EEDB:	4 (emergency breathing device) 1 in engine room, one on bridge 2 on accommodation deck
Immersion suits:	14 survival suits (new 2006)
Life boys:	1 with light and smoke, 1 with lights, 2 with line and 2 extra
Distress signals:	Parachute flares 6, hand flares 6 and smoke signals 3
Medical locker:	As a commercial ship.

Accommodation:**Lower deck.**

Cabins Owners party	6 1 cabin with double bed 2 cabins with double and single bed 2 cabins with 2 single bed
Kids play cabin	Forward cabin with bath room en suite, 1 double bed, 2 single beds, broadband computer hookup and satellite 50" TV.
Bath rooms	3 with WC and shower
Laundry	1 with washer and dryer

Main deck.

Saloon	About 30 m3 with dining table for up to 14 person, L shaped leather sofa and chairs. Pop up satellite 50" TV, surround sound stereo, broadband connection, bar/glass cabinet and refrigerator.
Bathroom	1 day bath room with access from saloon.
Galley	1 full galley with 6 burner gas stove, macro oven, freezer, 2 S/S refrigerators, dish washer, 2 sinks, crew mess with Satellite TV.
Crew quarters	2 double cabins with upper and lower beds
Bath room	1 bath room with WC and shower

Bridge:

Electronics and equipment	See above list of Navigation equipment and Radio equipment Full engine room alarm and ships fire alarm TV with 3 cameras monitoring in engine room, 1 on each side and 1 monitoring aft. Full engine room control and start and stop of generator driving bow thruster High seating with table for 3 -4 owner / guests Refrigerator. Ships broadband computer. Stereo for bridge only.
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