



Roberto Forti

Shipbrokers & Marine Consultant

FALCON 115's

HULL 220



LENGTH O.A. (approx.): M 35.50

BEAM O.A. (approx.): M 7.30

DRAFT: M 2.50

DISPLACEMENT WHEN HALF LOADED (approx.): TONS 120

ENGINES: M.T.U. 12V 396 TE 94 HP 2 X 2285
V-DRIVE TRANSMISSIONS

MAXIMUM SPEED (estimated): KNOTS 26

CRUISING SPEED (estimated): KNOTS 23

FUEL TANKS (approx.): L 20,800

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WATER TANKS (approx.): L 4,400

GENERATORS: KOHLER KW 2 X 50

PASSENGERS BEDS No. 10

PASSENGERS BATHROOMS No. 5

BATHROOM ON MAIN DECK No. 1

CREW AND CAPTAIN'S BEDS No. 5

CREW BATHROOMS No. 3

The HULL, MAIN DECK and SUPERSTRUCTURES are stratified inside by hand with a composite of fibreglass and "sandwich" where expected.

LAMINATE MATERIALS are the followings:

POLYESTER RESIN	ISOFTALICA DSM 288
GELCOAT	NORPOL NPG
SANDWICH	DIVINICELL OR EQUIVALENT
FIBER GLASS	CHOMARAT: MAT TYPE 450
	ROVIMAT TYPE 1250
	UNITAPE TYPE 1000

HULL AND MAIN DECK

- HANDRAIL AND MAIN DECK IN TEAK.
- 8 FORE AND AFT DECK-BOLLARDS.
- 6 STAINLESS STEEL ROLLER FAIRLEADS.
- 6 SIDE STAINLESS STEEL FAIRLEADS WITH BOLLARDS.
- 2 POP-UP CLEATS ON THE AFT PLATFORM.
- 2 ELECTRIC ANCHOR-WINCHES 5500 WATT 380V EACH WITH CONTROL FROM BOW AND FLYING BRIDGE.
- STAINLESS STEEL MOORING HAWSEHOLES WITH FENDER PLATES FOR THE ANCHORS.
- 2 CHAIN LOCKERS WITH CHECK DOORS.
- 2 ANCHORS 125 KG EACH TYPE HULL.
- 2 CHAINS E.R. 125 MT EACH, HIGH RESISTENCE Ø 16.
- STAINLESS STEEL BOW PULPIT AND FENDER BAR.

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- 10 FENDERS IN STAINLESS STEEL HOLDERS.
- SIDE ACCESS DOOR TO THE ENGINE ROOM.
- LIGHTS IN THE COCKPIT AND OUTSIDE GANGWAYS.
- 2 MANEUVER SEARCHLIGHTS.
- INLETS FOR ANTIFIRE / BOAT WASHING SYSTEM.
- ELECTRIC DOCK SOCKET.
- FRESH WATER INLETS.
- AFT AND BOW DECK EXTRACTABLE HOT/COLD SHOWER.
- STAIRS WITH TEAK STEPS.
- BATHING PLATFORM IN G.R.P. AND TEAK WITH LIGHTS UNDERNEATH.
- RETRACTABLE BATHING LADDER.
- RETRACTABLE ELECTRIC-HYDRAULIC GANGWAY.
- 2 AFT WARPING CAPSTANS 4000 WATT EACH.
- SPEAKERPHONE SYSTEM ON THE BRIDGE, ENGINE ROOM, LAZARETTE, BOW, COCKPIT AND FLY.
- CLOSE CIRCUIT CAMERA IN AFT DECKHEAD.
- SUNBATHING AREA ON FORWARD DECKHOUSE WITH SKAI CUSHIONS.
- TABLE WITH 10 CHAIRS TYPE "DIRECTOR" ON THE AFT DECK.

FLYING BRIDGE

- TEAK DECK.
- ARRANGEMENT ACCORDING TO THE PROJECT.
- ACCESS FROM MAIN DECK THROUGH EXTERIOR STAIR AND ACCESS FROM WHEELHOUSE.
- WINDSCREENS IN TEMPERED GLASS WITH STAINLESS STEEL FRAME.
- G.R.P. MAST FOR RADAR, ANTENNA, LIGHTS, SERCH LIGHTS WITH REMOTE CONTROL, ETC.
- DASHBOARD WITH PLEXIGLASS PROTECTIONS FOR STEERING WHEEL AND ENGINE CONTROLS.
- CONTROL LEVERS, ENGINE REVERSE GEARS AND ACCELERATORS M.T.U.
- MAGNETIC COMPASS.
- RUDDER ANGLE INDICATORS.
- FLAPS CONTROLS.
- LOG, SOUNDER AND WIND STATION REPEATER.
- AUTOMATIC PILOT REPEATER SIMRAD AP 50.
- VHF REPEATER (HANDSET) SAILOR.
- VHF/DSC SAILOR RT4801 RTX.
- GPS WITH PLOTTER COLOR GEONAV 11".
- TV, VHF, SSB AND GPS ANTENNA.
- EPIRB.

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- SART – RADAR TRANSPONDER.
 - NAVIGATION LIGHTS.
 - INTERCOM.
 - DOUBLE PILOT SEAT.
 - 1 TABLE WITH TEAK TOP AND BASE, AND SOFA IN GRP WITH SKAI CUSHIONS.
 - 2 STEREO SPEAKERS.
 - SEARCH LIGHT WITH DOUBLE CONTROL.
 - ACOUSTIC HORN.
 - 2 MULTIUSE LOCKERS FOR FRIDGE, ICE MAKER AND SINK.
 - SANGUINETI ELECTRO-HYDRAULIC CRANE 360° CAPACITY LOAD KG. 1000.
 - BIMINI TOP.
 - COVERS FOR DASHBOARD AND SEATS.
-
- TENDER NOVURANIA MX 460 DL WITH G.R.P. KEEL, CENTRAL CONSOLLE AND O.B. ENGINE 80 HP 4 STROKES.
 - SUNBATHING AREA WITH SKAI CUSHIONS.

ENGINE ROOM

- ACCESS FROM SIDE GANGWAY THROUGH A LADDER.
- ACCESS WATERTIGHT DOOR ON THE TRANSOM.
- ENGINES AND TRANSMISSIONS AS PER SPECIFICATIONS.
- SUBMERSED EXHAUST PIPES COVERED WITH CERAMICS CLOTH AND STAINLESS STEEL OUTSIDE COVERING.
- THERMAL INSULATION AND SOUND PROOFING (see Acoustic Insulation).
- CO₂ FIRE SYSTEM WITH REMOTE CONTROL AND REMOTE CLOSING OF FUEL VALVES AND AIR INTAKE IN ENGINE ROOM.
- FIRE SYSTEM FE 227 WITH MANUAL CONTROL FOR LAZARETTE, ELECTRIC PANEL AND ELECTRIC GENERATOR AREA.
- WORK BENCH WITH VICE.
- SEPARATE FUEL FILTERS ACCORDING TO THE TYPE OF ENGINE.
- FUEL TRANSFER EL/PUMPS 380V AND 24V AND MANUAL EMERGENCY PUMP.
- 2 STAINLESS STEEL SEA CHESTS WITH WATER FILTERS FOR MAIN ENGINE COOLING.
- 1 TRANSOM WITH 2 SEA CHESTS WITH FILTERS FOR GENERATORS AND UTILITY.
- STAINLESS STEEL SINK WITH TAP.
- 2 EXTRACTORS 380V AND 2 CENTRIFUGAL BLOWERS 380V.
- 2 EL/BLOWERS 220V/380V FOR LAZARETTE.
- ENGINE ROOM AUTOMATIC / MANUAL VENTILATION SYSTEM.

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- MAIN ELECTRIC PANEL (see page 16).
 - WATERPROOF LIGHTING – SOCKETS 24V AND 220V.
 - INTERPHONE BRIDGE/ENGINE ROOM.
 - ANTISLIP ANODIZED PLYMETAL FLOOR.
 - ENGINE OIL SUCTION EL/PUMP 24V.
 - OILY WATER TANK WITH MANUAL PUMP.
 - AIR COMPRESSOR WITH TANK 25 L.
 - CLOSE CIRCUIT CAMERA WITH TRAINING.
 - ANTICORROSIVE CATHODIC INSTALLATION WITH ZINC ANODES ON THE HULL.
 - 2 ELECTRIC PUMPS 380V FOR BILGE/FIRE AND CHAIN WASHING.
 - ELECTRIC PUMP 380V FOR BILGE WITH INTAKE SUCTION MANIFOLD IN ALL THE CABINS.
 - AUTOMATIC SYSTEM AND 24V FOR EMPTYING DIRTY WATER TANKS AND FOR SEWAGE TANK WITH N. 2 PUMPS 380V CONNECTED IN PARALLEL.
 - 1 EMERGENCY TRASPORTABLE PUMP 9/M³/H
 - COLD WATER HYDRAULIC SYSTEMS UNDER PRESSURE BY TWO AUTOCLAVE PUMPS, ONE 24V AND ONE 220V.
 - 2 TECNICOMAR WATER MAKERS L. 180/H.
 - HAMMAN WASTE WATER TREATMENT.
 - SEA WATER WC WASHING ELECTRIC PUMP 24V.
 - 2 FUEL TRANSFER ELECTRIC PUMPS 380V AND 24V AND 1 MANUAL.
 - 2 BOILERS L.150 CAD.
 - 1 CIRCULATING ELECTRIC PUMP FOR HOT WATER SYSTEM.
 - 1 FUEL BACK-UP TANK.
- 1 GREY WATER TANK WITH IMMERSION ELECTRIC PUMP FOR EMPTING.

ELECTRIC

A.C. net 220/380V 50Hz may be fed by main generators or directly from SHORE.

Batteries for main and emergency 24V system will be lead type.

- 2 MAIN GENERATORS 220/380V A.C. THREE-PHASE WITH NETRUAL 50 HZ 50 KW EACH NOT PARALLEL PRESET AND PROVIDED WITH MAGNETIC-THERMAL SWITCH.
- SHORE POWER UNIT WITH SHORE CONNECTION 380/400V A.C. THREE-PHASE 50 KVA.
- 1 LEAD-ACID STORAGE BATTERY FOR SERVICE USE MADE UP OF 12 CELLS VOLTAGE 2V 855 AH 24V CONNECTED.
- 1 LEAD-ACID STORAGE BATTERY FOR MAIN ENGINE IGNITION MADE UP OF 4 BATTERIES VOLTAGE 12V 220 AH 24 CONNECTED 440 AH.
- 1 LEAD-ACID STORAGE BATTERY FOR MAIN ENGINE CONTROL MADE UP OF 4 BATTERIES

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VOLTAGE 12V 220 AH.

- 1 LEAD-ACID STORAGE BATTERY FOR AUXILIARY GMDSS MADE UP OF 2 BATTERIES VOLTAGE 12V 155 AH 24V CONNECTED.
- 1 LEAD-ACID STORAGE BATTERY FOR EMERGENCY MADE UP OF 2 BATTERIES VOLTAGE 12V 155 AH 24V CONNECTED.
- 3 LEAD-ACID STORAGE BATTERIES FOR GENERATOR IGNITION 12V 155 AH EACH.
- 2 AUXILIARY GENERATORS 80 A 24V D.C. RUN BY THE MAIN ENGINES, ONE FOR SERVICE BATTERY CHARGE AND ONE FOR MAIN ENGINE IGNITION CHARGE.
- 2 AUTOMATIC BATTERY CHARGERS MASTERVOLT 100 A EACH IN PARALLEL 24V FOR SERVICE BATTERIES.
- 1 AUTOMATIC BATTERY CHARGER MASTERVOLT 50 A 24V FOR MAIN ENGINE IGNITION BATTERIES.
- 1 AUTOMATIC BATTERY CHARGER MASTERVOLT 50 A 24V FOR AUXILIARY GMDSS BATTERIES.
- 1 AUTOMATIC BATTERY CHARGER MASTERVOLT 25 A 24V FOR EMERGENCY BATTERIES.
- PARALLEL FOR BATTERIES.
- SWITCHES TO DISCONNECT BATTERIES.
- LIGHTING AND SOCKETS 24V AND 220V.
- SHORE POWER SOCKET.
- EMERGENCY POWER SUPPLIES ESCAPE COURSE LIGHTING AND NAVIGATION LIGHTS.
- ELECTRIC PANEL IN ENGINE ROOM:
 - ♦ IT WILL CONSIST OF TWO SECTIONS, ONE 220/380V AC AND ONE 24V DC. MAGNETOTHERMAL SWITCHES TO PROTECT THE FEEDER LINES OF THE MAIN POWER SOURCES.
 - ♦ CONNECTING AND DISCONNECTING CONTACT MAKERS FOR ELECTRIC GENERATORS AND SHORE POWER
 - ♦ AUXILIARY CIRCUITS OF THE MAIN POWER SOURCES
 - ♦ 24V DC POWER SECTION + CHANGE-OVER SWITCH FOR 24V DC USERS ON TWO DIFFERENT SETS OF BATTERIES (SERVICES AND STARTER)
 - ♦ STARTING CIRCUITS 220/380V AC / 24V DC TO CONTROL THE VARIOUS LOADS
 - ♦ VARIOUS SIGNALS AND CONTROLS
- 2 AUTOMATIC PUMPS 320/24V FOR FUEL TRANSFER.
- BCS ELECTROHYDRAULIC SLAVE STEERING.
- EMERGENCY HYDRAULIC STEERING.
- ENGINE REMOTE CONTROLS WILL BE ELECTRONIC SUPPLIED BY THE ENGINE MANUFACTURES.
- INSTALLATION OF TRIM TABS (FLAPS).
- AUTOMATIC FIXED CO₂ FIRE SYSTEM WITH MANUAL CONTROL FROM COCKPIT.

TELEPHONE EXCHANGE WITH TELEPHONE IN EVERY CABIN.

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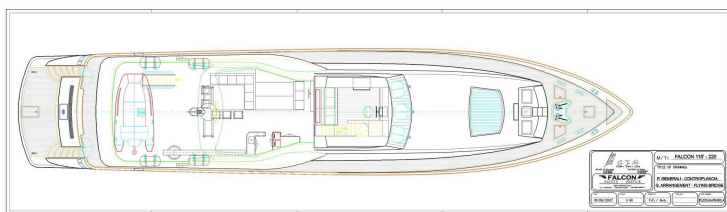
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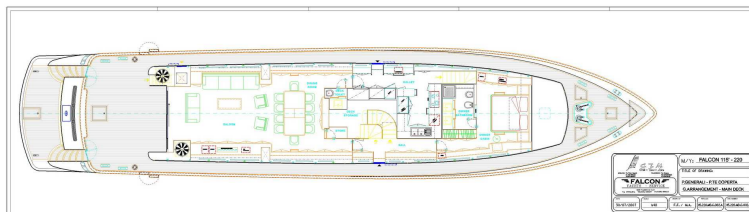
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