

Meltemi

Technical specifications in ENGLISH

“PROJECT CATEGORY B” - RAFFAELLI COSTRUZIONI NAUTICHE S.p.A. Project and Construction

■ TECHNICAL DATA

- OVERALL LENGTH (dimension):	19.00	M
- OVERALL LENGTH:	18.16	M
- LENGTH ON THE WATERLINE:	17.00	M
- BREADTH:	4.90	M
- VERTICAL CLEARANCE (w/ boat afloat, excluding collapsible radio antennas):	4.70	M
- DEPTH UNDER THE PROPELLERS:	1.30	M
- GROSS TONNAGE:	32.00	TONS
- MAXIMUM SPEED:	30	KNOTS (*)
- MOTORIZATION:	2 x	850 CATERPILLAR
- FUEL TANK:	3000	L
- FRESH WATER TANK:	900	L
- GREY WATER TANK:	80	L
- BLACK WATER TANK:	80	L
- CABINS:	3	No. (+ SEAMEN)
- BEDS:	6 + 2	No.
- BATHROOMS:	3 + 1	No.
MAXIMUM CAPACITY (STANDARD SUPPLIED EQUIPMENT FOR 12 PERSONS):	16	PERSONS
- MAXIMUM CAPACITY (INCLUDING CREW):	1600	KG.

(*) PERFORMANCE VARIABLE BASED ON ENVIRONMENTAL FACTORS, LOAD AND MAINTENANCE.

■ CONSTRUCTION MATERIALS

- a) **UNDERBODY:** PROW DEEP “V” TYPE, VARIABLE GEOMETRY WITH LONGITUDINAL SLIDING BLOCKS AND TWO LARGE SIDE SLIDING BLOCKS FOR BETTER DIRECTIONAL STABILITY TO OPTIMISE PLANING WITH **CONSIDERABLE REDUCTION IN FUEL CONSUMPTION.**
- b) **PROPULSION:** OT-MAN 4-BLADE PROPELLERS.
- c) **CONSTRUCTION TECHNIQUES AND MATERIALS:** SANDWICH HULL AND DECKHOUSE STRUCTURE REALISED WITH A MANUAL METHOD OF FIBREGLASS STRATIFICATION. HIGH UV RAY AGEING RESISTANT GREY NEOPENTYLIC GELCOAT. VINYL ESTER RESIN AND HIGH MECHANICAL PERFORMANCE RESINS ARE USED (6 YEAR GUARANTEE AGAINST OSMOSIS* AND FOR THE STRUCTURE).

* FOR OSMOSIS, FOLLOW THE SHIPYARD'S MAINTENANCE INSTRUCTIONS.

■ HULL AND DECK EQUIPMENT

- 01 80 M Ø 10 CHAIN HOUSING WITH COLLISION PROOF BULKHEAD
- 02 1 ELECTRIC PUMP FOR FLOJET 24 V CHAIN WASHING
- 03 40 KG. BRUCE ANCHOR
- 04 STAINLESS STEEL NOSE WITH BRONZE SLIDING PULLEY
- 05 1500 W WINCH, 10 MM BARBOTIN WITH WARPING BELL , MANUAL PUSH-BUTTON PANEL AND TWO REMOTE PUSH-BUTTON PANELS, ON THE BRIDGE AND ON THE FLY BRIDGE, RESPECTIVELY.
- 06 FENDER CARRIERS AT PROW
- 07 8 FENDERS W/ ROPE
- 08 WINDOWS IN GLUED TEMPERED GLASS
- 09 WINDSHIELD TARPULIN
- 10 TARPULINS FOR SIDE WINDOWS
- 11 ELECTRIC WINDSHIELD WIPER WITH STAINLESS STEEL ARM AND FRESH WATER SPRAY
- 12 6 L.A. BITTS
- 13 2 L.A. BOW CABLE CHANNELS
- 14 2 STERN L.A. CABLE CHANNELS
- 15 SIDE, NON-SLIP DECKHOUSE WALKWAYS
- 16 DIESEL FUEL LOADING LINE ON BOTH DECK SIDES
- 17 1 WATER LOAD LINE
- 18 1 PIPE HOOK-UP FOR EMPTYING THE BLACK WATER TANKS
- 19 STAINLESS STEEL GRAB ROD
- 20 STAINLESS STEEL DECK AND FLY BRIDGE PULPIT
- 21 STAINLESS STEEL FENDER BAR
- 22 BLUE ANTIFOULING PAINT WITH PRIMER
- 23 NAVIGATION LIGHTS
- 24 DINETTE ACCESS 3-PANEL DOOR IN STAINLESS STEEL AND TEMPERED GLASS
- 25 ONE COCKPIT BENCH
- 26 COCKPIT SEAT CUSHIONS
- 27 SIDE LARGE CONTAINER WITH DOOR, INSIDE THE COCKPIT
- 28 ONE 1000 W WARPING WINCH AT STERN
- 29 COCKPIT ILLUMINATION WITH MANUAL AND REMOTE CONTROL SWITCHES
- 30 ACCESS TO MOTOR COMPARTMENT AND TO AUXILIARY CONTROL COMPONENTS FROM THE COCKPIT
- 31 HOT/COLD WATER SHOWER IN COCKPIT
- 32 EXTERNAL PLATFORM
- 33 ELECTRO-HYDRAULIC SWIM LADDER INCORPORATED IN THE BRIDGE
- 34 BOAT HOOK
- 35 220 V MAINS SOCKET
- 36 3.5 M STAINLESS STEEL AND TEAK GANGPLANK, CAPACITY 300 KG, ELECTROHYDRAULIC TYPE, TELESCOPIC AND FOLDAWAY IN THE COCKPIT ACCESS STAIRS
- 37 ONE 12 PERSON SELF-INFLATING RAFT WITH 12 LIFE JACKETS AND RING WITH FLOATING ROPE AND DAN BUOY WITHOUT BATTERIES
- 38 COCKPIT FLOORING COVERED IN TEAK
- 39 STERN PLATFORM FLOORING COVERED IN TEAK
- 40 SELF EMPTYING CHAIN AND ROPE COMPARTMENT
- 41 PROW THRUSTER, TWO-BLADED THRUST
- 42 SEA WATER INTAKE FOR PROW CHAIN WASHING
- 43 RADAR REFLECTOR

2. BRIDGE

- 1 (SINGLE-SEATER) DRIVING POSITION SEAT
- 2 PRECIOUS WOOD STEERING WHEEL
- 3 FLAP ELECTRIC INDICATORS
- 4 WINCH CONTROL
- 5 WINDSHIELD WIPER/WASHER CONTROL
- 6 NAVIGATION LIGHT CONTROL
- 7 BILGE PUMP CONTROL
- 8 PARALLEL CONTROL FOR MOTOR BATTERIES AND SERVICE BATTERIES
- 9 INSTRUMENT LIGHT CONTROLS
- 10 ELECTRIC FUEL LEVEL INDICATOR

- 11 ELECTRIC WATER LEVEL INDICATOR
INTERFACED ELECTRONIC INSTRUMENTATION:
 - VHF SHIP-MATE RADIOTELEPHONE
 - AUTOMATIC PILOT
 - 36MG LCD COLOUR RADAR
 - GPS WITH 12 CHANNELS
 - MAGNETIC COMPASS
 - ELECTRIC REMOTE CONTROLS
 - MOTOR START/STOP WITHOUT KEYS
 - CATERPILLAR MOTOR CONTROL PANEL COMPLETE WITH VISIBLE AND ACOUSTICAL ALARMS
 - TERRESTRIAL TV ANTENNA
 - 32" LCD TV FOR DINETTE

3. FLY BRIDGE

- 01 ACCESS TO COCKPIT BY STAIRS
 02 **ALUMINIUM AND PLEXIGLAS ACCESS DOOR**
 03 FRONT AND SIDE WINDBREAKERS IN SMOKED PLEXIGLAS DRIVER'S SEAT AND DIVAN, **SUN DECK IN CLOSED-CELL FOAM**
 05 FIBREGLASS ROLL-BAR TO BE USED AS A BASE FOR ANTENNAS, NAVIGATION LIGHTS AND FLAGPOLE
 06 **PRECIOUS WOOD STEERING WHEEL**
 07 FLAP ELECTRIC INDICATORS
 08 **ACOUSTIC SIGNAL CONTROL**
 09 WINCH CONTROL
 10 TARPAULIN FOR FLY BRIDGE INSTRUMENT PANEL, INCLUDING DRIVER'S SEAT
 11 **SPEAKERS**
INTERFACED ELECTRONIC INSTRUMENTATION:
 - MAGNETIC COMPASS
 - AUTOHELM LOG - ECHO REPEATER
 - VHF RADIO-TELEPHONE CONNECTED TO BRIDGE
 - AUTOMATIC PILOT
 - 11" LCD COLOUR PLOTTER
 - ELECTRIC REMOTE CONTROLS
 - MOTOR START/STOP WITHOUT KEYS
 13 CATERPILLAR MOTOR CONTROL PANEL COMPLETE WITH VISIBLE AND ACOUSTICAL ALARMS
 14 REFRIGERATOR FOR DRINKS
 15 TERRESTRIAL TV ANTENNA
 16 CABINET WITH SINK
 17 SELF-INFLATING RAFT

4. DINETTE

- 01 CARPETING
 02 **FINISH UNDER CARPETING IN RUBBER**
 03 **HALOGEN LAMPS WITH GLASS PROTECTION**
 04 DRAPERY
 05 FURNISHING IN OAK WOOD
 06 C-SHAPED DIVAN PLACED NEAR THE ENTRANCE IN LEATHER
 07 2ND DINING DIVAN PLACED NEAR DRIVER'S POSITION
 08 **TABLE NEAR THE FRONT DIVAN THAT CAN BE USED AS A DINING TABLE**
 09 TWO WALL SPEAKERS
 10 CONTROL PANEL WITH STEREO CONNECTED TO THE TWO DINETTE SPEAKERS AND THE TWO FLY-BRIDGE SPEAKERS
 11 BUILT-IN ELECTRIC PANELS
 12 STAIRS LEADING BELOW DECK FOR GUESTS
 13 STAIRS LEADING TO THE CAPTAIN'S CABIN
 14 STAIN-PROOF TREATED "SKY" TOPS
 15 HALOGEN SPOTLIGHTS
 16 **HOT/COLD AIR CONDITIONING**
 17 BAROMETRIC STATION INCLUDING:
 - 1 CLOCK
 - 1 THERMAL-HYGROMETER
 - 1 BAROMETER.

■ GALLEY

- 01 ELECTRIC HOB WITH HEATING PLATES
 02 **MICROWAVE OVEN**
 03 STAINLESS STEEL SINK WITH DRAINING BOARD
 04 **2 230L REFRIGERATORS WITH CONDENSER MOUNTED OUT OF THE HULL AND COMPRESSOR UNIT IN ENGINE ROOM**
 05 1 24/220 VOLT OUTLET
 06 **FURNITURE AND WALL CABINETS IN OAK, POLYESTER VARNISH**
 07 **HOT/COLD WATER MIXING TAP**
 08 **FLOORS FINISHED WITH LINOLEUM**
 09 HALOGEN LIGHTING OVER HOB

CAPTAIN'S CABIN

- 01 DOUBLE BED WITH **DRAWER UNIT**
 02 MATTRESS, PILLOWS AND COVERLET
 03 TWO HEADBOARD SPOTLIGHTS
 04 **WARDROBES IN OAK, POLYESTER VARNISH**
 05 HALOGEN LAMPS WITH GLASS PROTECTION
 06 CARPETING WITH **LINOLEUM FINISH FLOOR**
 07 HEADBOARD MIRROR
 08 DRAPERY
 09 LARGE PORTHOLE THAT CAN BE OPENED ON THE BROADSIDE
 10 DIRECT ACCESS TO THE CAPTAIN'S BATHROOM
 11 **EXTERNAL BATHROOM BULKHEADS COVERED IN BLEACHED OAK**
 12 **DOORS IN OAK** WITH SOLID WALNUT FRAMES
 13 HALOGEN SPOTLIGHTS
 14 24/220 VOLT OUTLETS
 15 20" LCD TV
 16 CD/DVD STEREO

GUEST CABIN

2 CABINS, EACH CABIN EQUIPPED WITH:

- **1 WARDROBE IN OAK, POLYESTER VARNISH**
- SIDE-BY-SIDE TWIN BEDS
- RUBBER MATTRESSES
- COVERLETS AND PILLOWS
- L.A. PORTHOLES
- CARPETING WITH LINOLEUM FINISH FLOOR
- 2 READING HEADBOARDS
- S
- DRAPERY
- ONE 12/220 VOLT OUTLET
- DIRECT ACCESS TO THE GUEST BATHROOM FROM THE LEFT CABIN ONLY
- **DOORS IN BLEACHED OAK** WITH WOOD FRAMES
- HALOGEN SPOTLIGHTS
- 1 HEADBOARD MIRROR
- **THE LEFT CABIN HAS DIRECT ACCESS TO THE BATHROOM.**
- **THE RIGHT CABIN HAS DIRECT ACCESS TO THE BATHROOM.**

SEAMAN'S CABIN

- 01 ACCESS FROM STERN MIRROR
- 02 2 BEDS WITH CONTAINERS
- 03 MIRROR
- 04 BULKHEAD LINING IN FORMICA AND "SKY"
- 05 RUBBER MATTRESSES
- 06 COVERLET AND PILLOWS
- 07 ONE 24/220 VOLT OUTLET

▪ CAPTAIN'S HYGIENIC SERVICES

- 01 DIRECT ACCESS FROM THE CABIN
- 02 **CERAMIC ELECTRIC TOILET WITH EMPTY PUMP CONNECTED TO THE BLACK WATER TANK**
- 03 **CERAMIC BIDET**
- 04 2 GLASS SINKS
- 05 SHOWER STALL WITH **GRATING IN TEAK**
- 06 SHOWER UNIT
- 07 SOAP HOLDER
- 08 SMALL WALL CABINETS
- 09 MIRROR
- 10 HALOGEN LAMPS WITH GLASS PROTECTION
- 11 **LARGE PORTHOLE IN STAINLESS STEEL**
- 12 **SINK MIXING TAP**
- 13 **SHOWER MIXING TAP**
- 14 CURTAIN FOR PORTHOLE
- 15 BATHROOM ACCESSORIES
- 16 1 TOWEL HOLDER
- 17 1 CUP HOLDER
- 18 1 TOILET BRUSH
- 19 2 CLOTHES HOOKS
- 20 ONE 24/220 VOLT OUTLET

▪ GUEST CABIN HYGIENIC SERVICES

- 01 DIRECT ACCESS FROM THE GUEST CABIN AND ADJACENT ACCESS DOOR TO THE HALLWAY
- 02 **CERAMIC ELECTRIC TOILET WITH EMPTY PUMP CONNECTED TO THE BLACK WATER TANK**
- 03 **CERAMIC BIDET**
- 04 SINK IN WHITE GELCOATED FIBREGLASS
- 05 SHOWER STALL WITH **GRATING IN TEAK** AND PLEXIGLAS BOX
- 06 SHOWER UNIT
- 07 SOAP HOLDER
- 08 SMALL WALL CABINET WITH MIRROR
- 09 3 HALOGEN LAMPS WITH GLASS PROTECTION
- 10 PORTHOLE IN STAINLESS STEEL
- 11 **SINK MIXING TAP**
- 12 **SHOWER MIXING TAP**
- 13 CURTAIN FOR PORTHOLE
- 14 BATHROOM ACCESSORIES
- 15 1 TOWEL HOLDER
- 16 1 CUP HOLDER
- 17 1 TOILET BRUSH
- 18 2 CLOTHES HOOKS
- 19 ONE 24/220 VOLT OUTLET

• SEAMAN'S CABIN HYGIENIC SERVICES

- 01 FIBREGLASS UNIT INCLUDING ELECTRIC TOILET
- 02 SINK WITH COLD WATER
- 03 1 MIRROR
- 04 1 ONE 24/220 VOLT OUTLET
- 05 SHOWER WITH GRATING

MOTOR AND AUXILIARIES COMPARTMENT

- ACCESSIBLE FROM COCKPIT , SELF-EMPTYING TYPE
- IN LINE MOTORS INSTALLED ON SILENT BLOCKS
- **UNDERWATER MOTOR GAS DISCHARGE SYSTEM WITH INSTALLATION OF MINIMUM DISCHARGE FOR START-UP WITH SAFETY SHUTTER**
- 2 SEA WATER INTAKES WITH TWO FILTERS
- **FUEL FILTER / WATER SEPARATORS**
- **PSO TYPE MECHANICAL AXIS SEAL**
- **MOTOR COMPARTMENT FIRE EXTINGUISHING SYSTEM WITH MANUAL REMOTE CONTROL**
- BATTERY COMPARTMENT ON MULTILAYERED WOOD BRACKETS
- **100 A BATTERY CHARGER COMPARTMENT**
- **28 L BOILER WITH CONTINUOUS HOT WATER WITH 220 VOLT CONNECTION AND CONNECTION TO ONE MOTOR COOLING SYSTEM**
- **HIGH CAPACITY STAINLESS STEEL AUTOCLAVE WITH AUXILIARY AUTOCLAVE COMPLETE WITH BYPASS**

- WALLS COVERED WITH SOUND-PROOF SELF-EXTINGUISHING MATERIAL
- 12KW GENERATOR SET, 1500 RPM, WITH SOUNDPROOF CABIN, FIBREGLASS MUFFLER AND WATER/FUMES FILTER SEPARATORS.
- STERN BRIDGE SUITABLE FOR 3.10 M TENDER AND OUTBOARD MOTOR HOUSING – WITH RETRIEVER WINCH

- **SYSTEMS AND EQUIPMENT**

- 01 HYDRAULIC POWER STEERING
- 02 2 FUEL TANKS FOR 3000 LITERS WITH 3 STAINLESS STEEL ANTI HYDROPLANING BULKHEADS WITH VISUAL AND ELECTRIC INDICATOR ON THE CONTROL PANEL, **DECANTER**
TANK WITH DOOR AND TAP FOR CLEANING THE DECANTED FUEL
- 03 GROUND CONNECTION IN COPPER PLAIT
- 04 REMOTE INTERCEPTION IN CASE OF FIRE.
- 05 2 RACOR DIESEL FUEL FILTER / WATER SEPARATORS FOR FUELLING MOTORS.

ELECTRICAL SYSTEM

- 01 BRIDGE CONTROL AND SERVICE PANEL IN FRONT OF DRIVER'S SEAT
- 02 ANODIC PROTECTION FOR ALL OF THE METAL PARTS SUBJECT TO GALVANIC CORROSION
- 03 GROUNDING SYSTEM
- 04 24/220 OUTLETS IN ALL ROOMS
- 05 ELECTRIC WIRES EXCLUSIVELY WITH FIREPROOF SHEATH
- 06 ELECTRIC SERVICE CONTROL PANEL WITH MAGNETOTHERMAL SWITCHES, AUXILIARY TO THE TOUCH SCREEN SERVICE CONTROL PANEL
- 07 THE TOUCH SCREEN CONTROL PANEL INCLUDES
 - BOAT OVERALL CONTROL
 - 24 V DC SERVICES
 - 220 V AC SERVICES
- 08 24 VOLT DC SECTION:
 - BATTERY CHARGER
 - BATTERIES, 2 X 240 AH FOR MOTOR START-UP
 - 12-ELEMENT SLOW DISCHARGE BATTERIES FOR 600 AH SERVICES,
 - PARALLEL BATTERY RELAY
 - 1 100 AH BATTERY FOR GENERATOR SET START-UP - WITH GENERATOR SET PARALLEL
- 09 220 VOLT AC SECTION:
 - 50 AH DOCK OUTLET IN COCKPIT WITH 15 METER WIRE
 - TWO POLE MAGNETOTHERMAL SWITCH WITH 30 MAH DIFFERENTIAL

- **WATER SYSTEM**

- 01 STRUCTURAL WATER TANK FOR 900 L
- 02 24 VOLT STAINLESS STEEL AUTOCLAVE WITH COMPENSATION TANK CONNECTED THROUGH BYPASS TO THE AUXILIARY AUTOCLAVE
- 03 HOT AND COLD WATER SYSTEM IN BATHROOMS AND GALLEY, WITH MIXING TAPS
- 04 28 L ELECTRIC BOILER, 220 VOLT, OR WITH MOTOR HEAT EXCHANGER
- 05 TANK FOR COLLECTION AND AUTOMATIC EXPULSION OF GREY WATER
- 06 BLACK WATER TANK WITH ON DECK INTAKE FOR THE TWO PROW BATHROOMS AND FOR CAPTAIN'S BATHROOM
- 07 CHAIN WASHING SYSTEM WITH SALT WATER.

- **BILGE SYSTEM**

- 01 2 ELECTRIC PUMPS DIRECTLY CONNECTED TO THE SERVICE BATTERIES, AUTOMATIC DRIVE OR MANUAL DRIVE, BY MEANS OF INDICATOR-SWITCHES FROM THE BRIDGE CONTROL PANEL (ONE ON EXTERNAL STERN / ONE AT CENTRE OF THE VESSEL / ONE BEFORE THE GUEST CABIN)
- 02 SYSTEM WITH 1 MANUAL PUMP POSITIONED IN THE COCKPIT INTAKING FROM THE ENGINE ROOM.

