

NEEL 47

“Essential version” specification

NEEL Trimarans 4 rue Virginie Hériot, BP 23085 17032 La Rochelle cedex
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A. CHARACTERISTICS

LOA	= 14.20 m
WOA	= 8.30 m
Draft	= 1.60 m
Light displacement	= 10.60 T
Living area and storage on board	= 107m ²
Standard rigging aluminum mast	
• Square-top full-batten mainsail (2 reefs)	= 70 m ²
• Genoa	= 50 m ²
• Self-tacking staysail	= 20 m ²
Water tank aluminum	= 600L / 160 Gal.
Fuel tank aluminum	= 300L / 80 Gal.
Fridge	= 160L / 43 US Gal.
Freezer	= 53L / 14 US Gal.
Engine Sail-drive engine	60 hp
Manufacturer:	NEEL Trimarans
Naval Architect:	Marc Lombard Yacht Design Group
Certification:	CE ICNN

B. GENERAL

- Woodworking in Alpi wood
- Non-sLIP diamond tip
- Insert Alpi veneer and/or white upholstery
- Synthetic fabrics adapted to the marine environment, washable, UV resistant
- Blackout curtains in the cabins

C. CONSTRUCTION

- Construction materials: high-quality isophthalic polyester and vinylester resin infusion molding on closed-cell PVC foam core and quadriaxial fiberglass skin.
- Protection aileron in monolithic laminate
- Floor in sandwich foam manufactured by infusion
- Infusion-molded structural partitions with closed-cell PVC foam core

- Hull finished in light grey gel coat
- Deck finished in non-slip, diamond-pattern white gel coat
- Numerous reserve buoyancy

D. SAILS AND RIGGING

1. Sails

For an anodized aluminum mast

- Full-batten mainsail in Dacron 2 reefs
- Genoa in Dacron with UV protective band on hand-operated furler
- Self-tacking staysail in Dacron with UV protection on hand-operated furler

For a carbon mast (high-performance rigging option)

- Mainsail in triaxial Dacron 2 reefs
- Self-tacking staysail in Dacron with UV protection on hand-operated furler
- Self-tacking staysail in Dacron with UV protection on store

2. Standing rigging

For an anodized aluminum mast

- Full-batten mainsail in Dacron 2 reefs
- Genoa in Dacron with UV protective band on hand-operated furler
- Self-tacking staysail in Dacron with UV protection on hand-operated furler

For a carbon mast (high-performance rigging option)

- Mainsail in triaxial Dacron 2 reefs
- Genoa in Dacron with UV protective strip on hand-operated furler Self-tacking staysail in Dacron with UV protection on store

3. Running rigging

- 1 mainsail halyard for pulley
- 1 genoa halyard kept at the base of the mast by releasable lashing
- 1 staysail halyard kept at the base of the mast by releasable lashing
- 1 spinnaker halyard
- 1 boom topping lift
- reefing lines
- 2 genoa sheets
- 1 staysail sheet
- 1 mainsail sheets leading back to the helm station

E. FITTINGS

- 2 self-tailing winches at the centre of the helm station
- Jammers upstream for mainsail halyard, mainsail sheets, reefing lines, staysail sheet, boom topping lift, spinnaker halyard.
- Line driver for topping lift (option in premium pack)

F. ANCHORAGE

- 1 electric windlass 12 volts with a horizontal sprocket on the deck for 10 mm chain with wired remote control in the anchor well
- Access to the windlass and the chain locker via a horizontal panel

G. MISCELLANEOUS EQUIPMENT

- 8 stanchions height 600 mm
Double lifelines in phosphorescent Dynema

H. PLUMBING

Freshwater system

- Freshwater tanks: 600 L tanks with gauge on the chart table
- Freshwater system with 1 main 12 V water pump
- Hot water system with 1 75 L 220 V water heater with heat exchanger
- 1 cold shower in the aft transom on the float port side
- Freshwater electric toile

Wastewater

- Sink, shower and wash basin drainage either by gravity flow or by electric pumping overboard

Blackwater

- Black water (standard in the central hull and optional in the floats if toilets)

Bilge pumping system with 4 electric pumps + 1 hand pump

- 1 hand sump pump central hull
- 1 automatic bilge pump for the engine compartment also with manual switch operation
- 1 automatic bilge pump for the main hull bilge also with manual switch operation
- 2 automatic bilge pumps in each hull
- CE Mark self-draining cockpit

I. ELECTRICITY**1. Power circuit**

- Pack of 12 V AGM gel batteries, total 360 amps
- 1x12 V alternator
- 220 V network with 220V/12 V converter charger (essential pack)
- 1 x12 V/220 V converter (essential pack)
- 1 x 60 AH shore connection with 25 m shore power line (essential pack)
- 1 Optima 70-amp 12 V battery for engine starting

2. Electric switchboard

- 1 Voltmeter/ ampermeter
- General 12 V switchboard mounted on a recessed panel next to the chart table desk protected by breakers

3. Electric switchboard

- LED Lighting
- LED Navigation light

J. DECK PLAN**1. Rear cockpit**

- Vast "Full Beam Cockpit" on one level with the COKLOON
- This is protected throughout by a rigid roof top
- Cockpit cushions and seating
- Cockpit in non-slip white diamond gel coat

2. Floating transoms

- Wide swim platform for each float transom that allows boarding the saloon and lateral access to the side decks
- Cold shower in the aft transom on a float port side (standard) and hand rail
- Folding boarding ladder on a float port side

3. Central hull transom

- 2 steps leading to water level
- Additional boarding ladder with hot/cold shower optional
- Dinghy berth (included in the “Premium” version and optional in the “Essential” version)

4. Helm station

- Access by starboard side deck and from the cockpit
- Large ergonomically designed polyester bench for 3 persons
- 800 mm diameter steering wheel
- Dash panel with compass, engine control, navigational aid (optional) and control for operating the bow thruster (optional or included in the Premium version)
- All manoeuvres returned to the helm station
- Halyards and sheets stored in a special sheet bag

5. 4th and 5th cabins (option)

- Fitted with mattresses 110x200cm, furniture units
- Starter room with storage
- Linings and cladding on the floor and wall of the cabin
- Reading light
- Hatch with mosquito net and blackout blind

6. Sun deck

- Access from the helm station
- Optional roof mattress 2m x 1.5 m.

7. Miscellaneous

- Propane locker, accessed by the foredeck on the port side in compliance with CE Mark

K. FITTINGS AND FIXTURES**1. Owner's suite**

- Level access
- Living area with private bathroom
- Unique views over the open sea
- 1 storage wardrobe
- Drawer storage
- 1 x 150 x 200 double bed with access from both sides
- LED lighting, 2 reading lights
- Blackout curtains
- Optional slatted bed bases
- Bolon floor covering
- 1x 220V outlet

2. Wellness area (central hull)

- 1/3 of the main hull is dedicated to a very large "Confort of board space" gathering 4 independent functions:
 - ✓ Dressing; wardrobe, shelving. Perfect for liveaboard program.
 - ✓ Independent sink/mirror/stowage space
 - ✓ XXL shower (0.9m beam/1.20m length) with plexiglass
 - ✓ Independent WC

3. Float guest suites

- Private access by outside entrance
- Locked entrance with hanging fittings and sink (Optional WC under the removable ladder)
- Large porthole in the hull allowing in light and offering unique views of the sea
- Wardrobes and storage shelving
- Storage space under the bed
- 1 x 140 x 200 double bed
- LED lighting, 2 reading lights
- Blackout curtains
- Bolon floor covering
- 1 x 220 outlet (included in the Essential pack)

L. KITCHEN

- Panoramic kitchen with a huge synthetic resin work surface
- 1 x 2-burner gas hob

- Built-in stainless-steel gas oven with grill
- Microwave oven (optional : instead of a storage drawer)
- Positive temperature fridge 43 US Gal / 160L
- Negative Temperature fridge 14 US Gal / 53L
- Dishwasher holding 6 place settings (optional) or kitchen storage a standard
- Storage drawers
- Cutlery drawer
- Drawer for pots and pans
- Separate waste bin
- Lighting by LED spotlights in the ceiling

M. COCKLOON (trademark)

1. Description

- This is a genuine innovation which provides accommodation for up to 10 guests in a mixed indoor/outdoor area using 2 tables and creating an original space with unique, totally unobstructed, views of the sea outside.
- It can be modulated into two separate areas with an indoor table and outdoor table by using a modular partition window, which can, depending on preferences and the weather, be open, half open or totally shut.
- LED lighting

N. CHART TABLE DESK AREA

- Panoramic views in the direction of travel.
- Large chart table / desk
- Desk Storage
- Shelving Storage
- Double bench for the watch with trapdoor of arrangements
- Electric switchboard and equipment control built into the side box
- Dash panel available for navigational electronics
- Bolon floor covering

O. CENTRAL HULL TECHNICAL AREA

1. Access to the inside technical area

- Easy and practical access by stepladder, removable floor opening by air cylinder assembly
- LED lighting
- Shelves for technical items and storage

2. Access to the machine room at the rear

- Access to the machine room is facilitated by ample headroom through the cockpit floor hatch.
- Further to the rear there is direct access to the helm area, fabric and steering lines
- All technical areas are totally accessible and protected from bad weather

P. ENGINES

- Volvo D2 60 hp engine with 12 V cable harness
- 1 x 12 V alternator
- 1 x 12 V 50 amp OPTIMA starting battery
- Folding propeller
- Sea water filter
- Engine control cabled to the helm station
- 12 V lighting
- Engine room ventilation: natural aspiration and extraction through the rear transom
- Fuel system, fuel filter, fuel tank outlet stop valve
- Bow thruster, 12 V (Premium pack or optional with Essential Pack)
- Push-button thrust control mechanism on the helm station

Q. MOORING SYSTEM (essential pack)

- 4 mooring lines
- 6 fenders