



NEEL47

**NEEL 47 INVENTORY
TECHNICAL SPECIFICATIONS
NON-CONTRACTUAL DOCUMENT FEBRUARY 2023**

01. Specifications

LOA	14,20 m
WOA	8,30 m
Draft	1,60 m
Light displacement	10,60 T
Engine sail-drive engine	60 HP
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	600 L
Fuel tank	300 L
Fridger	160 L
Freezer	53 L
Manufacturer	NEEL-TRIMARANS
Naval architect	Marc Lombard Yacht Design Group
Certification	CE ICNN

02. General

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

03. 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

04. Sails and rigging

A. 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

B. Sanding rigging

Anodized aluminum mast with rail and carriage

- > 2 stages of spreaders
- > 1 anodized aluminum boom
- > 2 stainless steel monotoron shrouds
- > 2 stainless steel monotoron low shrouds
- > 1 stainless steel monotoron cable stay mounted on manual reel
- > 1 stainless steel monotoron cable stay mounted on a manual reel
- > 2 adjustable lazy-jacks
- > 1 lazy-bag

Option " performance rigging " with black carbon mast

- > 2 spreaders
- > 1 black anodized aluminum boom
- > 2 monotoron shrouds
- > 2 Dyform lower shrouds
- > 1 stainless steel monotoron forestay mounted on manual furler
- > 1 stainless steel monotoron forestay mounted on a furler
- > 2 lazy-jacks
- > 1 lazy-bag

C. Running rigging

- > 1 Furling halyard for mainsail
- > 1 Genoa halyard maintained at the foot of the mast by lashing

- > 1 staysail halyard held at the foot of the mast by a releasable lashing
- > 1 spinnaker halyard
- > 1 boom topping lift
- > 2 reefing lines
- > 2 genoa sheets
- > 1 staysail sheet
- > 2 mainsail sheets with returns to the manoeuvring station
- > Genoa and staysail furling lines

05. Fittings

- > 5 mooring cleats
- > 2 blocks for mainsheet
- > 2 Self-Tailing winches in the center of the maneuvering station
- > Pianos for mainsail halyard, mainsheet, reefing lines, staysail topping lift, spinnaker halyard.
- > Genoa sheet tracks
- > Self-tacking system for staysail
- > Blocking cleats for furling lines

06. Anchorage

- > 1 main de fer
- > 1 electric windlass 12 volts with horizontal sprocket on the deck for chain of 10 mm
- > Access to the windlass and chain hoist by horizontal hatch
- > 60 meters of chain and 50 meters of cable
- > Anchor of 20 kilos

07. Miscellaneous equipment

- > 8 stanchions height 600mm
- > 2 rows of phosphorescent Dyneema® ropes

08. Plumbing

A. Freshwater system

- > 600 L tanks with gauge at the chart table
- > Fresh water circuit with 1 main water unit 12 V
- > Hot water circuit with 1 x 60 L water heater with 220 V resistance and motorized exchanger
- > 1 aft skirt shower, hot/cold water on port float

- > Electric fresh water toilet

B. Wastewater

- > Disposal of sinks, showers and washbasins either by gravity or by automatic pump to the sea

C. Blackwater

- > Black water tank in standard: central hull.
- > In the floats if WC (option)
- > Gravity drain

D. Dewatering system

- > 1 manual sump pump for the central hull
- > 1 electric engine compartment bilge pump with automatic release and forced operation
- > 2 electric center hull sump pumps with automatic release and forced operation
- > 2 electric bilge pumps with automatic release and forced operation, one per float
- > Self-draining cockpit according to CE standards

09. Electricity

A. Power circuit

- > Set of 3 AGM gel batteries 12 Volts, total of 600 amps
- > 1 alternator 12 volts
- > 1 Optima 12V 70 Amp battery for engine start
- > 230 volts network with 230V/12 volts converter charger (with the essential pack)
- > 1 inverter 12V/230V of 2000W (with the essential pack)
- > 1 shore power outlet 60 AH with 25 m shore line (with essential pack)

B. Electric switchboard

- > 230V electrical panel in the technical bay
- > 12V general distribution board on side panel at the map table with circuit breaker protection
- > 1 ammeter / voltmeter

C. Lighting

- > LED lights
- > LED navigation lights

010. Deck plan

A. Rear cockpit

- > Large "Full Beam" cockpit on one level with the Cockloot® and a deck saloon on the other
- > Hard top shelter package
- > Cockpit upholstery
- > Cockpit floor in non-slip gel coat diamond point
- > Cockpit table

B. Floating transoms

- > Bathing platform for each float skirt serving as a dinghy boarding platform and lateral access to the catway
- > Hot/cold water deck shower on port float
- > Handrail
- > Folding swim ladder on port float

C. Central hull transom

- > 2 steps to the sea
- > Additional bathing ladder with hot/cold water shower (optional)
- > Dinghy landing stage (included in the "Premium" version or optional for the "Essential" version)
- > Space for the life raft

D. Helm station

- > Access from starboard side deck and cockpit
- > Large ergonomic polyester bench seat for 3 people
- > Steering wheel diameter 800 mm
- > Instrument console with compass, engine control, navigation aid (optional) and bow thruster control (optional in Essential version or included in Premium version)

E. Ergonomic maneuvering station

- > Return of all the maneuvers in front of the helm station
- > Storing halyards and sheets in dedicated end bags

F. 4th et 5th cabins (*option*)

- > Furnishing with mattress 110x200, storage units
- > Starter room with dressing room
- > Furnishings and coverings
- > Reading lights
- > Screen blinds/occultation

G. Sun deck

- > Access from the maneuvering station by three steps
- > Solarium mattress length= 2m x width =1.50m in option. Not usable during navigation (option)

H. Miscellaneous

- > Gas locker, access by the deck at the front port side according to CE standard

011. Interior fittings

A. Owner's suite

- > Level access
- > Unique view on the horizon
- > 1 storage closet
- > Storage space
- > Under bed drawer storage
- > 1 double bed with side access
- > LED lighting, 2 reading lights with USB port
- > 1 x 230V outlet (included in the essential pack)
- > Blackout curtains (if opened, direct view on the map table)

B. Wellness area (central shell)

- > 1/3 of the central hull is dedicated to a huge space of comfort of life gathering 4 independent functions:
 - Dressing room: furniture with closets, drawers and shelves. Ideal for long life on board
 - Dressing area, independent washbasin with walk-in mirror, equipment and storage space
 - Independent XXL shower: width: 0.90 m length (measured on the floor): 1.20 m with shower screen
 - Independent WC compartment

C. Float guest suites

- > Private entrance dome directly to the cockpit
- > Entrance locker with coat hooks, sink, mirror and shower (WC under the removable staircase in option)
- > Large hull planking offering light and unique view on the horizon
- > Ventilation by deck hatch
- > Wardrobe and storage units

- > Storage space under the bed
- > 1 double bed 130 x 200
- > LED lighting, 2 reading lights with USB port, 1 socket 230V
- > Blackout curtains
- > LED lighting
- > 1 socket 230 V (included in the essential pack)

012. Kitchen

- > Panoramic kitchen adjoining the Cockloon®.
- > 2 stainless steel sinks
- > Fresh hot/cold water tap
- > Ventilation by deck hood
- > Large white synthetic resin worktop with integrated fargue
- > 1 cooking plate 2 gas burners
- > Built-in stainless steel gas oven with grill
- > Microwave oven (optional: in place of a storage drawer)
- > 1 volume 160L positive cold
- > 1 volume 53L Conservator
- > 6 place settings dishwasher (option) or standard kitchen storage
- > Storage drawers
- > Cutlery drawer
- > Pot and pan drawer
- > Separate wastebasket
- > LED spotlights on the ceiling
- > 220 V sockets (included in the essential pack)

013. Cockloon®

A. Description

- > True innovation allowing to accommodate up to 10 guests around two tables forming a unique space with the advantage of being located in an area both inside but also offering a unique view on the outside.
- > Possibility of modulating in two distinct zones interior table and external table thanks to the bay of closing itself modular, according to the desires and the climatic conditions

014. Chart table desk area

- > Panoramic view at 220°, in the direction of travel.
- > Large desk with folding map table
- > Storage equipment
- > Triple bench of watch with trapdoor of arrangement
- > 2 Sockets 220v on converter 2 000 W (essential pack)

- > Two-tone adjustable reading light
- > Electrical panel and control of on-board equipment in side cabinet
- > Console available for navigation electronics

015. Central hull technical area

- > Easy and convenient access by miller's ladder, removable floor opening on air cylinder
- > LED lighting
- > 220 V socket (included in the essential version)
- > This is the center of gravity of the vessel, where all the heavy equipment is located, water and diesel tanks, battery park, etc.

Access to the inside technical area

- > Access to the engine room through a polyester cover in the cockpit. As well as at the back the direct access to the sector of bar, rods
- > All the technical parts are totally accessible and protected from external aggressions

016. Motorization

- > Volvo saildrive 60 hp engine with its 12 volts electrical harness
- > 1 Alternator 12 volts
- > 1 starter battery
- > Folding propeller
- > Sea water filter
- > Engine control cable at the helm
- > 12 volts lighting
- > Bilge ventilation: automatic electric suction and extraction
- > Fuel system, diesel filter, diesel stop valve,
- > 12 V bow thruster (included in Premium or optional in Essential)
- > Thruster control at the helm console by push button
- > 1 battery dedicated to the thruster

017. Mooring

- > 3 mooring lines
- > 6 fenders

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