



NEEL 43

NEEL 43 ESSENTIAL VERSION
TECHNICAL SPECS
NON-CONTRACTUAL DOCUMENT FEBRUARY 2023

01. Specifications

LOA	43 ft
WOA	24,60 ft
Draft	4,95 ft
Air draft	62 ft
Light displacement	9 T
Standard rigging aluminum mast :	
Full-batten mainsail (2 reefs)	630 sq ft
Genoa	466 sq ft
Water tank	430 L / 113,5 US Gallons
Fuel tank	275 L / 72,6 US Gallons
Fridge/freezer	130 L / 35 US Gallons
Engine sail drive	50 HP
Manufacturer	NEEL-TRIMARANS
Naval Architect	Marc Lombard Yacht Design Group
Certification	CE ICNN

02. General

- > Interior furniture made out of bio-sourced and recyclable material
- > Woodworking in Alpi®
- > Fabrics adapted to the marine environment, washable, UV resistant

03. Construction

- > Construction materials: high-quality isophthalic polyester and vinylester resin infusion molding on closed-cell PET foam core and quadriaxial fiberglass skin with carbon reinforcing.
- > Fin in monolithic GRP
- > PET foam sandwich infused floor,
- > Infusion-molded structural partitions with closed-cell PET foam core
- > Hull finished in light grey gel coat
- > Deck finished in non-slip white gel coat
- > Numerous reserve buoyancy

04. Sail and rigging

A. Sails

Anodized aluminum mast version

- > Full-batten mainsail in Dacron 2 reefs
- > Genoa in Dacron with UV protective band on hand-operated furler

Carbon mast version (high-performance rigging option)

- > Mainsail in triaxial Dacron 3 reefs
- > Genoy in Dracron with UV protection on hand-operated furler

B. Standing rigging

For the anodized aluminum mast

- > Anodized aluminium boom
- > 1 stage of spreader bars
- > 2 stainless steel shrouds
- > 2 stainless steel low shrouds
- > 1 stainless steel forestay
- > 2 lazy jacks

For the carbon mast (high-performance rigging option)

- > Black painted aluminium boom
- > 1 stage of spreader bars
- > 2 Dyform shrouds
- > 2 Dyform low shrouds
- > 1 stainless steel forestay
- > 2 lazy jacks

C. Running rigging

- > 1 mainsail reeled halyard from number 37
- > 1 genoa halyard adjustable by lashing at the bottom of the mast,
- > 1 spinnaker halyard
- > 1 boom topping lift
- > Reefing lines
- > 2 genoa sheets
- > 2 mainsail sheets leading back to the helm station
- > 1 genoa furling line

05. Fittings

- > 2 self-tailing winches at the helm station
- > Jammers upstream for mainsail halyard, mainsail sheets, staysail sheet (*optional*) reefing lines, boom topping lift, spinnaker halyard, staysail halyard (*optional*).
- > Line driver for topping lift (option in premium pack)
- > Wedge cleat for genoa furling line
- > 4 mooring cleats
- > Pulleys for mainsail sheets
- > 2 friction rings for genoa sheets
- > 2 padlocks for lifeline

06. Anchorage

- > 1 electric windlass 12 volts with a horizontal sprocket on the deck for 10 mm chain
- > Access to the windlass and the chain locker via a horizontal panel
- > 20kg anchor
- > 60m chain and 50m rope

07. Miscellaneous equipment

- > 8 stanchions height 600 mm
- > Double lifelines in phosphorescent Dyneema®
- > 2 trampolines

08. Plumbing

A. Freshwater system

- > Freshwater tanks: 430 L tanks with gauge at the inside navigation board
- > Freshwater system with 1 main 12 V water pump
- > Hot water system with 1 x 40 L water heater from engine heat exchanger
- > 1 cold/hot shower in the aft transom on the float port side
- > Fresh water electric WCs

B. Wastewater

- > Sink, shower, and wash basin drainage by gravity flow

C. Blackwater

- > 1 Holding tank

- > Extraction channel on starboard side deck

D. 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 float,
- > CE certified self-draining cockpit

09. Electricity

A. Power circuit

- > 3 x 12 V AGM gel batteries, total 360 amps
- > 1x12 V alternator
- > 1 x12 V/220 V converter (essential pack)
- > 1 Optima 70-amp 12 V battery for engine starting
- > 2 x 12 V battery for bowthruster and windlass

B. Electric switchboard

- > 1 Voltmeter/ ampermeter
- > General 12 V switchboard mounted at the inside navigation board protected by breakers

C. Electric switchboard

- > LED Lightning
- > LED Navigation light

010. Deck plan

A. Cockpit

- > Vast "Full Beam Cockpit" on one level with the Cockloon® effect
- > Cockpit cushions and seating
- > Cockpit in non-slip white gel coat

B. Floating transoms

- > Wide swim platform for each float transom that allows boarding from the dinghy and lateral access from the dock
- > Cold / hot shower at the aft float port transom
- > Folding swimming ladder at the aft float port transom

C. Centrale hull transom

- > Step leading to water level
- > Boarding ladder with hot/cold shower (*optional*)
- > Integrated composit dinghy berth
- > Location for the life raft
- > Emergency Tiller access

D. Helm station

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

E. Miscellaneous

- > 2 propane lockers, accessed under the helm seat in compliance with CE certification

011. Fittings and fixtures

A. Owner's suite

- > Level access
- > Unique views over the open sea
- > 1 closet
- > Storage
- > 200 x 150 double bed with access from 2 sides
- > LED lighting, 2 reading lights
- > Blackout curtains
- > Blind of privatization in slat
- > Optional slatted bed bases

B. Head and shower

- > Level access
- > Sink/mirror/stowage locker
- > Shower
- > Fresh water electric WCs
- > Self draining hanging locker
- > Separation curtain

C. Main hull guest cabin

- > Access through a sliding door from saloon
- > Wardrobes and storage shelving
- > Storage space under the bed
- > 200 x 136 x 74 double bed
- > LED lighting, 2 reading lights
- > Blackout curtains

D. Port float double bed

- > Access from the saloon
- > Wardrobes and storage shelving
- > Storage space under the bed
- > 200 x 143 double bed
- > LED lighting, 2 reading lights

E. 4th and 5th cabins (option)

- > Fitted with mattresses 70x200cm,
- > Hatch

012. Kitchen

- > Panoramic kitchen with a huge synthetic resin work surface
- > Upper storage cabinet integrated is the ceiling counter molding
- > 1 x 2-burner gas hob
- > Built-in stainless-steel gas oven with grill
- > Drawer stainless steel 130 L fridge including a freezer drawer
- > Storage drawer
- > Cutlery drawer
- > Storage for pots and pans
- > Separate waste bin
- > Lighting by LED spotlights in the ceiling

013. Cockloon[®]

A. 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

014. Inside navigation station

- > Panoramic view,
- > Storage,
- > Double bench facing the route,
- > Electric switchboard and equipment control built into the front board,
- > Dash panel available for navigational electronics
- > Box under navigation station

015. Central hull technical blasement

- > Easy and practical access from the saloon, removable floor opening by air cylinder assembly
- > LED lighting
- > This is the center of gravity of the boat, where all the heavy equipment is located: engine, water and diesel tanks, battery park etc.
- > Access to the engine room from technical basement
- > Access to the textiles drosses
- > 230v circuit breaker

016. Engines

- > 1 x Volvo Sail drive 50 hp engine
- > Folding propeller
- > 1 x 12 V alternator
- > 1 x 12 V 50 amp OPTIMA starting battery
- > Sea water filter
- > Engine control cabled to the helm station
- > Engine room ventilation: natural aspiration and extraction through the rear transom
- > Fuel system, fuel filter, fuel tank outlet stop valve
- > 1 x 12 V Bow thruster

017. Docking

- > 3 mooring lines
- > 6 fenders

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