



NEEL 43

NEEL 43 ESSENTIELLE VERSION
SPECIFICATIONS
NON-CONTRACTUAL DOCUMENT JULY 2020

CONTENT

01.	Technical specifications	4
02.	Interior overview	4
03.	Construction	4
04.	Sails and Rigging	5
A.	Sails.....	5
B.	Standing rigging.....	5
C.	Running rigging	5
05.	Fittings.....	6
06.	Anchorage	6
07.	Miscellaneous equipment	6
08.	Plumbing.....	6
A.	Fresh water system	6
B.	Waste water.....	6
C.	Black water	6
D.	Bilge pump system.....	7
09.	Electricity	7
A.	Electrical system.....	7
B.	Distribution board.....	7
C.	Lighting	7

010.	Deck layout.....	7
A.	Cockpit	7
B.	Float transoms	7
C.	Central hull transom	8
D.	Helm station	8
E.	Ergonomic helm station	8
F.	Miscellaneous	8
011.	Interior fixtures and fittings	8
A.	Master stateroom	8
B.	Shower room	8
C.	Main hull guest cabin.....	9
D.	Port-side float double berth	9
E.	Cabins 4 and 5 (<i>option</i>).....	9
012.	Kitchen	9
013.	Cockloot®	10
A.	Description.....	10
014.	Interior navigation station	10
015.	Central hull hold.....	10
A.	Access to the inside technical area	10
B.	Access to engine room	10
016.	Engine & equipment	11
017.	Mooring system (<i>Essentielle Version</i>)	11

01. Technical specifications

LOA	43 ft
WOA (Beam)	24.6 ft
Draft	4.9 ft
Air draft	62 ft
Light displacement	9 T
Engine: Volvo Saildrive	50 HP
Standard rigging aluminium mast:	
Full-batten mainsail (2 reefs)	630 sq ft
Genoa jib	466 sq ft
Water tank	500 L / 132 US Gallons
Fuel tank	300 L / 80 US Gallons
Fridge with freezer compartment	130 L / 35 US Gallons

Manufacturer	NEEL-TRIMARANS
Naval Architect	Marc Lombard Yacht Design Group
Certification	CE ICNN

02. Interior overview

- > Interior fittings made out of bio-sourced and recyclable material
- > Fabrics and coverings conceived for the marine environment: washable, UV resistant
- > Interior joinery in Alpi®

03. Construction

- > Construction materials: high-quality isophthalic polyester and vinylester resin infusion moulding on closed-cell PET foam core with quadriaxial fibreglass skin reinforced with carbon fibre
- > Fin made of monolithic laminate
- > Infused PET foam sandwich floor
- > Infusion-moulded structural partitions with closed-cell PET foam core
- > Hull finished in light grey gel coat
- > Non-slip deck: finished in diamond-patterned non-slip white gel coat
- > Ample reserve buoyancy

04. Sails and Rigging

A. Sails

Anodised Aluminium Mast version

- > Full-batten mainsail in Dacron® (2 reefs)
- > Genoa jib in Dacron® with band of UV protection, on a manual furling system

Carbon Fibre Mast version (*high-performance rigging option*)

- > Mainsail in triaxial Dacron® (3 reefs)
- > Genoa jib in Dacron® with UV protection, on a manual furling system

B. Standing rigging

Anodised Aluminium Mast version

- > 1 set of spreaders
- > Anodised aluminium boom
- > 2 sheathed stainless steel shrouds
- > 2 sheathed stainless steel lower shrouds
- > 1 stainless steel forestay, on manual furling system
- > 2 adjustable lazy jacks

Carbon Fibre Mast version (*high-performance rigging option*)

- > 1 set of spreaders
- > 1 black anodised aluminium boom
- > 2 Dyform® shrouds
- > 2 Dyform® lower shrouds
- > 1 stainless steel forestay, on manual furling system
- > 2 adjustable lazy jacks

C. Running rigging

- > 1 mainsail halyard block
- > 1 genoa jib halyard secured at the foot of the mast with adjustable lashing
- > 1 spinnaker halyard
- > 1 boom topping lift
- > Reefing lines
- > 2 genoa sheets
- > 2 mainsail sheets leading back to the helm station

05. Fittings

- > 2 Self-Tailing winches at the helm station
- > Jammers for mainsail halyard, mainsail sheets, reefing lines, boom topping lift, spinnaker halyard
- > Line driver for topping lift (*option in premium pack*)

06. Anchorage

- > 1 x 12-volt electric horizontal windlass on deck for 10 mm chain with foot-operated controls
- > Access to the windlass and the chain locker via a deck hatch

07. Miscellaneous equipment

- > 8 x 600 mm-high stanchions
- > 2 rows of lifelines in phosphorescent Dyneema®

08. Plumbing

A. Fresh water system

- > Freshwater tank: 500 L tank with gauge located at the interior navigation station
- > Freshwater system with 1 main 12 V water pump
- > Hot water circuit with 1 x 60 L water heater with 220 V resistor and engine heat exchanger
- > 1 cold-water hand-held shower on the aft transom of the port-side float
- > Electric seawater toilet

B. Waste water

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

C. Black water

- > 1 black water holding tank

D. Bilge pump system

4 automatic pumps + 1 hand pump:

- > 1 hand sump pump in the central hull
- > 1 automatic bilge pump for the engine compartment, also with manual switch operation
- > 1 automatic bilge pump for the central hull, also with manual switch operation
- > 2 automatic bilge pumps (one per float), also with manual switch operation
- > CE certified self-draining cockpit

09. Electricity

A. Electrical system

- > 3 x 12 V AGM gel batteries, total of 360 amps
- > 1 x 12 V alternator
- > 1 x 12 V/220 V converter
- > 1 Optima 70-amp 12 V battery for starting engine
- > 1 bow thruster 12 V battery

B. Distribution board

- > 12V main fuse panel, with circuit breaker, located at the interior navigation station
- > 1 voltmeter/ammeter

C. Lighting

- > LED lighting
- > LED navigation lights

010. Deck layout

A. Cockpit

- > Vast Full Beam Cockpit®, on the same level as the Cockloot®, located on the port side, with a bench seat on starboard side
- > Cockpit seating with cushions
- > Cockpit floor in non-slip white gel coat

B. Float transoms

- > Swim platform for each floating transom serving as a boarding platform for the dinghy and allowing lateral access to the jetty
- > Cold-water shower on the port-side transom
- > Folding swim ladder on the port-side transom

C. Central hull transom

- > Access step to the sea
- > Additional swim ladder plus hot/cold hand-held shower (*option*)
- > Integrated composite dinghy berth
- > Area for life raft

D. Helm station

- > Access via starboard side deck and from the cockpit
- > Large ergonomically designed bench for 3-4 persons
- > 800 mm diameter boat wheel
- > Instrument panel with compass, engine controls, and control for bow thruster

E. Ergonomic helm station

- > All manoeuvres lead back to the helm station
- > Halyards and sheets stored in a specially-designed bags

F. Miscellaneous

- > Propane locker, accessed under the helm seat, in compliance with CE certification

011. Interior fixtures and fittings

A. Master stateroom

- > Located on main deck
- > Unique sea views
- > 1 wardrobe
- > Underbed storage
- > Double bed (150 x 200) with access from both sides
- > LED lighting, 2 reading lights
- > Blackout curtains

B. Shower room

- > Located on main deck
- > Hot and cold fresh water pressure shower
- > Sink
- > Electric seawater toilet
- > Self-draining hanging area for wet-weather gear and diving equipment

C. Main hull guest cabin

- > Accessed through a sliding door from saloon
- > Wardrobe and storage facilities
- > Underbed storage
- > Double bed (140 x 200)
- > LED lighting, 2 reading lights
- > Blackout curtains

D. Port-side float double berth

- > Accessed from saloon
- > Double bed (140 x 200)
- > LED lighting
- > Underbed storage
- > Clothes hanging area
- > Privacy blind

E. Cabins 4 and 5 (*option*)

- > Accessed via hatch on main deck
- > Equipped with mattresses 70x200cm, Textile storage boxes
- > Wall lining panels
- > Reading light

012. Kitchen

- > Kitchen with panoramic view adjoining the saloon
- > 2 stainless steel sinks
- > Hot/cold fresh water tap
- > Deck cowl ventilation
- > Large white synthetic resin work surface
- > Hob with 2 gas rings
- > Built-in stainless steel gas oven with grill
- > 130L stainless steel cold drawer with a freezer compartment
- > Storage drawer
- > Cutlery drawer
- > Storage for pots and pans
- > Separate waste bin
- > LED ceiling spotlights

013. Cockloon®

A. Description

- > A truly innovative concept resulting in an area that can accommodate up to 10 guests around two tables. This unique space has the advantage of being located inside yet offering an outstanding view outside.
- > Depending on the weather and your needs, this area can be divided into two distinct zones with a table inside and a table outside, thanks to the glazed sliding doors which can be kept open, half open or totally shut.
- > LED lighting

014. Interior navigation station

- > 220° panoramic view
- > Storage
- > Forward-facing double bench
- > Main electrical distribution board and controls for onboard equipment
- > Console area available for navigation electronics

015. Central hull hold

A. Access to the inside technical area

- > Easy and convenient access via stepladder, floor hatch with air struts
- > LED lighting
- > This is the boat's centre of gravity, where all the heavy equipment is located: engine, water and diesel tanks, battery bank, etc.

B. Access to engine room

- > Engine room is accessed from the rear of the technical area
- > Further to the rear, there is direct access to the autopilot and Vectran steering lines

016. Engine & equipment

- > 1 x Volvo Saildrive 50 hp engine
- > 1 x 12 V alternator
- > 1 x 12 V 50 amp OPTIMA starting battery
- > Folding propeller
- > Seawater 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
- > 12 V bow thruster
- > Push-button thruster control at the helm station
- > 1 x battery for the thruster

017. Mooring system (*Essential Version*)

- > 4 mooring lines
- > 6 fenders

**JUST
MAKES
SENSE.**



www.neel-trimarans.com