

NEEL 45

Standard Inventory 2013 Specifications



General characteristics

L.O.A. :	13,50 m / 44,26 ft
Bmax. :	8,50 m / 27,66 ft
Draft :	1,20 m / 3,6 ft
Air draft :	19,40 m / 63,6 ft
Unloaded displacement :	6,5 T
Full load displacement :	9 T
Sail area :	116m ² / 1 247 sq ft
Self taking jib :	20m ² / 215 sq ft
Furling genoa :	46 m ² / 494,5 sq ft
Top square full batten mainsail :	60 m ² / 645 sq ft
Volvo sail drive engine :	55 HP
Tank capacities :	
Fresh water :	500 L
Diesel :	300 L

3 double cabin layout, 3 bathroom

Construction:

Hull, floats, decks and roof laminated in pvc foam sandwich vacuum glazed/fiberglass/isophthalic polyester resin. Floors in honey comb composite.

Sound and thermic isolation and unsinkable provided by close cell pvc foam.

EC homologation : Cat. A (8 pers.), Cat. B (10 pers.), Cat. C (18 pers.), Cat. D (20 pers.)

Concept Designer : Eric Bruneel

Naval Architects : Joubert / Nivelt / Mercier

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1 place Moitessier BP 23085 17032 La Rochelle France

Interior design

Furniture woods : Anthracite grey medium or Beech wood
Galley and bathroom worktops in compact
Cabin/Saloon flooring : Bolon
Wall liner in polyester fabric
Sofa cushions in microfiber fabric
Polyester foam mattresses

Layout

Saloon :

Saloon accessible through double sliding door
Panoramic view through plexiglass windows and 1 portlight
5 LED spotlights
2 wall design lamps
6 persons sofa with microfiber fabric cushions
1 dining table
LED spotlight
Island bench for two persons

Kitchen/galley :

Sink work top in Compact with 2 stainless steel sinks with ventilation hatch
Pressurized hot and cold fresh water
3 burner stove
1 stainless steel gas oven
1 X 250 L fridge (conservator 80 L, refrigerator 170 L)
2 upper storage lockers above work tops
2 lower storage lockers under work tops
1 lower storage locker under sink
LED spotlights

Chart table :

Chart table in grey anthracite medium or beech wood
Computer locker
Books storage
12 V electrical panel and navigation instrumentations
2 X 230 V sockets from AC Master 12 V 500 W 230 V Inverter
LED chart light

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Double bedrooms (port and starboard) :

Double beds (140 cm x 200 cm)
1 large front-accessed storage space under bed
4 upper storage locker
1 hanging locker
Ventilation by 2 vertical portlights
1 large vertical plexiglass window
Curtains on all openings (optional)
2 LED spotlight and 2 reading lights

Front Main hull Double bedroom (Access through sliding door):

Double bed (140cm x 200cm)
1 large front-accessed storage space under bed
1 storage shelving on starboard side
Ventilation by one hull portlight and deck hatch
1 hanging locker
1 LED spotlight and 2 reading lights

2 bathrooms :

Access through wooden door
"Compact" counter top with washbasin
Upper Storage locker with mirror
Under storage locker
Hot and cold water by mixer faucet
Isolated shower with mixer faucet
2 Electrical marine toilet
Bathroom accessories (toilet tissue holder, towel holder)
Gravity drains
Ventilation through deck hatch
1 spotlight and 1 LED néon light

Basement (under mainhull floor)

Accès through hatch in the galley
Ladder
Storage with shelves
Battery bank
300 L Diesel Tank
500 L Water Tank
Electrical switches
Engine room with easy access
Plumbing
Vectran rudder controls
Room provision for :
Fresh water maker (optional), Generator (optional), Air conditioning (optional),
Washing machine (optional), Heater (optional)

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Deck Layout

Helm station :

2 person Helmsman seat
Instrument console
800 mm diameter steering wheel with vectran transmission
Engine control

Cockpit :

Rigid protection above main entrance door.
10 person bench seats
2 cockpit tables
2 lockers
Aft passageway
1 swim ladder
1 aft deck courtesy light
1 cold fresh water deck shower

Foredeck :

2 forward nets (13 mm)
2 lockers
1000 W electrical windlass protected by fuses for 10 mm chain
Bow anchor stainless steel davit
5 mooring cleats

Engine :

1 in board 55 HP Volvo engine with sail drive
1 three blades folding propeller
Saltwater filter
Engine panel and controls at helm station
Engine cooling by heat exchanger
Engine hour meter

Fuel system :

300 L diesel tank
1 fuel pre-filter / water separator
Fuel shutoff valve

Plumbing :

200 L + 300 L freshwater tanks with electric gages
1 electrical pump
1 water heater 40 L
1 electric bilge pump in the central hull
1 manual exterior bilge pump

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Electricity

Power system :

115 Amp /14 V engine alternator
1 set service batteries of 480 Amp
1 engine battery of 70 Amp
Manual back-up link
General 12V distribution panel at chart table protected by fuses
Voltmeter for service and engine batteries
Spare sockets for extra equipment

Electronics :

1 V.H.F. mast head antenna

Rigging and sails

Mast and boom :

Anodized aluminium Mast and boom
Standing rigging
1 mainsail halyard
1 topping lift
1 gennaker halyard
2 reefing lines
2 reefing straps and snapshackle
Reefing line stoppers under the boom
Lazy-jacks

Sails :

Square top full batten mainsail on ball bearing batten cars
Genoa on furler
Jib on furler

Fittings :

2 mainsail sheets controlled from helm station
Genoa sheets and jib sheet controlled from helm station
2 roof stand up blocks for genoa
Self taking jib track and block
3 stoppers for mainsail sheets and halyard
3 self tailing winches (45 ST)
Deck navigation LED lights, red, green and white
1 rudder with stainless steel shaft
2 winch handles, 2 pockets
7 stainless steel pulpits(three 60 cm high and four 80 cm high)
6 stanchions with high and low lifelines
5 mooring cleats (1 forward + 2 midships + 2 aft)

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