

# outremer

4X | SPECIFICATIONS



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<b>Architects</b>	<b>Barreau/Neuman</b>	
<b>Consultant Design</b>	<b>Patrick Le Quément</b>	
<b>Interior Design</b>	<b>Darnet Design</b>	
<b>Lenght</b>	<b>48 ft</b>	
<b>Beam</b>	<b>23,3 ft</b>	
<b>Draught</b>	<b>3,3/6,6 ft</b>	
<b>Bridgedeck clearance</b>	<b>2,6 ft</b>	
<b>Air Draft (without antenna)</b>	<b>66,9 ft</b>	
<b>Displacement</b>	<b>8,7/11,1 t</b>	
<b>Sail Plan</b>		
<b>Mainsail</b>	<b>69 m<sup>2</sup></b>	
<b>Selftacking Jib</b>	<b>55 m<sup>2</sup></b>	
<b>Gennaker</b>	<b>115 m<sup>2</sup></b>	<b>(option)</b>
<b>Spinnaker</b>	<b>160 m<sup>2</sup></b>	<b>(option)</b>
<b>EC Approval</b>	<b>8/16 p</b>	
<b>Engine</b>	<b>2 x 30 hp</b>	



# LAYOUT

## SALOON

- Wraparound glazing with opening panels
- L-shaped bench seating for 5 persons
- Bench seating (220 x 60 cm) can convert to a watch bunk
- Removable table 135 x 81 cm that can also be used in the cockpit
- Extensive, accessible stowage under the seats
- 2 forward-opening hatches for ventilation
- Maximum headroom: 2.00 m
- Bench

## GALLEY

- Stainless steel sink
- Laminate work surface
- 2-ring gas stove with pan clamp
- Built-in oven with grill
- Pressurised hot and cold freshwater
- Front-opening 12 V 130 L water-cooled fridge
- 1 opening panel above the stove for ventilation
- Maximum headroom: 1.90 m
- 2 x 220 V socket

## NAVIGATION STATION

- Chart table: 125 x 67 cm, with 1 opening for a laptop
- Multifunction switch panel
- Location for navigation electronics and communication
- White/red reading light
- 2 x 220 V socket and 1 x 12 V socket
- Seat

# VERSION 3 CABINS

## STARBOARD HULL

### COMPANIONWAY

Wardrobe, stowage  
Opening deck hatch

### AFT CABIN

Longitudinal bunk 200 x 150 cm and HR foam mattress  
Large fixed rectangular porthole on the hull topsides, providing unrestricted views across the sea from the bed  
Opening deck hatch  
Portlight opening onto the scoop  
Wardrobe, shelving, small storage units and extensive stowage under the bed  
2 LED reading lights on the bedhead (on aft bulkhead)

### BATHROOM

Access from the passageway  
Washbasin with mixer tap  
Manual marine WC  
Separate shower 80 x 75 cm  
Large fixed rectangular porthole on the hull topsides, providing unrestricted views across the sea  
Opening portlight on the in-board topside T10-type  
Opening deck hatch T30

### SAIL LOCKER

Access from the deck  
Opening panel  
LED lighting  
Ladder

## PORTSIDE HULL

### COMPANIONWAY

Stringer with shelf on the outboard topside

### AFT CABIN

Longitudinal bunk 200 x 150 cm with HR foam mattress  
Large fixed rectangular porthole on the hull topsides  
Opening deck hatch  
Wardrobe, shelving, small storage units and stowage under the bed  
2 LED reading lights on the bedhead (on the aft bulkhead)

### SHOWER ROOM

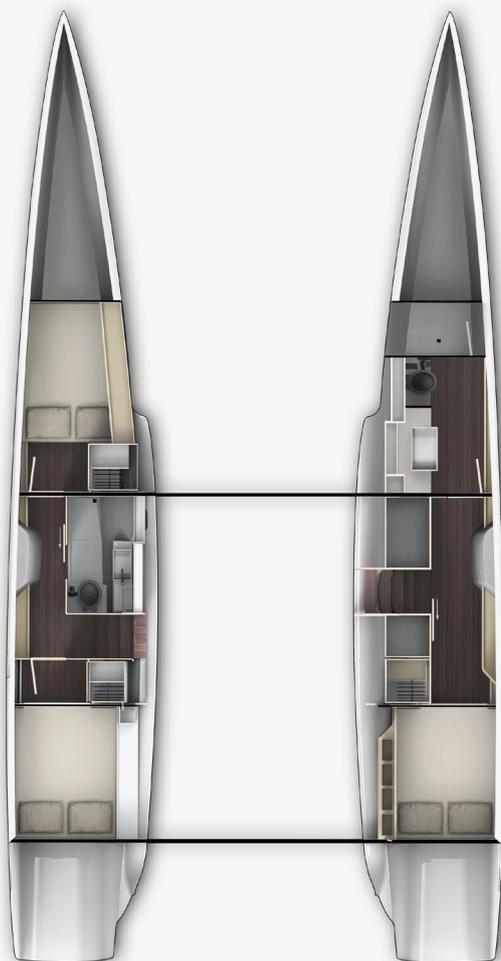
Access from the passageway  
Washbasin with mixer tap  
Manual marine WC  
Shower 64 x 64 cm on the sole  
Portlight opening onto the in-board topside

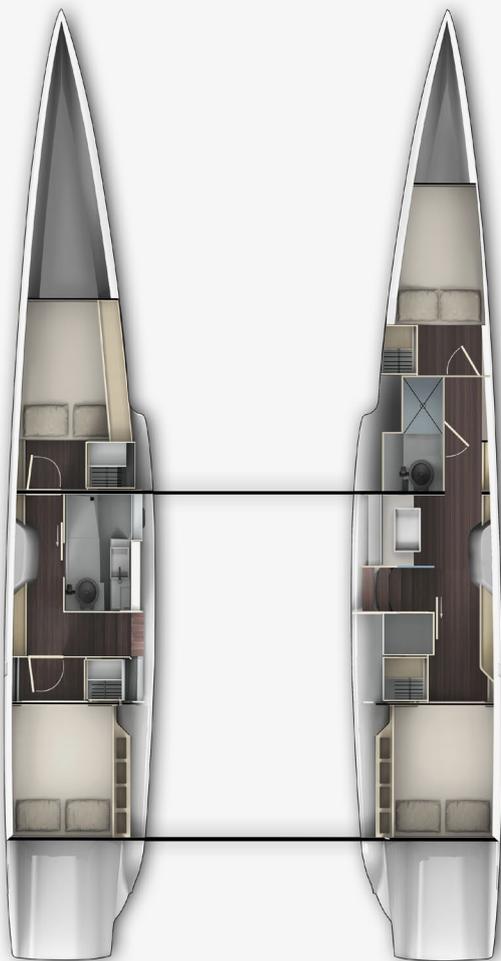
### FORWARD CABIN

Longitudinal bunk: 200 x 150 cm  
2 LED reading lights on the bedhead  
Large fixed rectangular porthole on the topside  
Wardrobe, shelving, small storage units and extensive stowage under the bed  
Deck hatch

### SAIL LOCKER

Large sail locker  
Access to the deck via a hatch  
LED lighting  
Ladder





## VERSION 4 CABINS

### STARBOARD HULL

#### PASSAGEWAY

- Wardrobe, stowage
- Deck hatch T41
- Hand basin with mixer tap

#### AFT CABIN

- Longitudinal bunk 200 x 150 cm
- Large fixed rectangular porthole on the outboard topside
- Opening deck hatch
- Wardrobe, shelving, small storage units and extensive stowage under the bed 2 LED reading lights on the bedhead on the aft bulkhead

#### BATHROOM

- Shower 80 x 75 cm (on the sole)
- Deck hatch
- Manual marine WC
- Portlight opening into the in-board topside

#### FORWARD CABIN

- 1 bunk + small storage units and stowage under the bunk + wardrobe
- Opening deck hatch
- Light

#### SAIL LOCKER

- Forward locker for the stowage of warps and fenders
- Access to the deck via a hatch
- LED lighting
- Ladder

### PORTSIDE HULL

Identical to the 3 cabins

## DECORATION & UPHOLSTERY

#### DARNET DESIGN CONCEPT

- Complete interior upholstery, mattress, cushion covers, saloon, cabins (removable covers with high resilience foam)
- Foam PVC core sandwich soles for performance and stiffness
- Sides and lower sections made of hardwearing, easy to maintain polyester veneer, upper sections made of insulated leatherette

# DECK LAYOUT

## DECK GEAR

- 1 Harken ST50 winch at the mast foot for solent, gennaker & spinnaker halyards and reefing pennants
- 2 Harken ST50 at the helm station for mainsail halyard, mainsail sheet and solent sheet
- 1 Harken ST50 winch on coachroof to starboard for genoa sheet or code 0 and mainsheet
- 2 Harken ST50 in the cockpit for gennaker sheets, mainsail traveller, daggerboards, genoa furler, gennaker furler and tender
- Mainsail track on the aft beam
- Releasable jammers on the deck and mast
- 6 deck cleats
- Longitudinal carbon compression beam

## RIGGING

- Rotating carbon mast painted black positioned on coachroof: single spreader
- Single-strand stay
- Kevlar topmast shrouds
- Aluminium boom painted black equipped with cam clutches for the reefing pennants and mast wand
- Lazybag and Lazyjack
- Genoa furler
- Bowsprit with gennaker and spinnaker fittings

## COCKPIT

- L-shaped 4-person bench seating to port + 1 x 3-person bench seating to starboard
- Cockpit table
- Stowage for 1 x 13 kg gas bottle
- Stowage lockers
- Davits

## HELM STATIONS

- Carbon wheel to port
- Engine controls, compass, location for electronic navigation system
- Removable carbon tillers
- 2 ergonomic helming seats
- Stowage locker at the foot of the mast
- 2 large lockers for the water and diesel tanks
- Access via deck hatch

# TECHNICAL

## SAILS

- Hydranet square head mainsail, triradial cut, 3 reefs, fully battened
- Hydranet genoa, triradial cut on a furler

## ENGINES

- 2 Volvo D1-30 Sail drive engines
- 1 x 336-litre diesel tank
- 3-blade folding propeller
- LED lighting in engine rooms

## WATER

- 410-litre tank + 40 litre hot water tank (220 V or 110 V + engine exchanger)
- 2 black water tank

## ELECTRICITY

- 2 x 115 A alternator
- 1 x 220 V / 12 V charger 30 A Multiplex switch panel
- Battery tester: voltmeter, ammeter
- 2 engine start batteries 12 V, 70 Ah with bipolar cut-out
- 2 Lithium-Ion 180 Ah 2 500 W service batteries with bipolar cut-out
- 4 electric bilge pumps (2 per engine room + 1 per hull)
- Electric 1500 W windlass on a vertical axis
- Nav lights (LED), topmast lights, anchoring lights (LED) and deck searchlight
- Shore power with differential cut-out and galvanic protection

## STEERING SYSTEM

- 2 x balanced rudders on self-aligning roller bearing
- Mechanical transmission with tiller directly on the rudders

## SAFETY

- 2 opening hull panels for conformity
- 2 fine mesh safety nets
- Stainless steel stanchions ht. 60 cm, double row of Dyneema guardrails
- 2 jackstays along the length of the hulls
- Anchorage: see options
- 5 fire extinguisher

# CONSTRUCTION

## HULLS

- Special NPG gelcoat
- External vinylester barrier coat
- Manual lamination of the hull/deck joint
- Structural bulkheads made of carbon/foam sandwich
- Laminate reinforcement to both sides of all structural bulkheads

## DECKS & OTHER

- Polyester daggerboard casing: sandwich structure Composite carbon daggerboards
- Composite rudders on stainless steel rudder stock