

Astréa 42

Astréa 42 GRAND LARGE INVENTORY

Caractéristiques générales :

Length overall: 12.58 m
 Beam: 7.20 m
 Draught: 1.25 m
 Light displacement: 11 580kg

Sail area:
 - Genoa: 40 m²
 - Mainsail: 66 m²

Engine: 2 x 30 cv

Tanks Capacity:
 Fresh water: 2 x 350 l
 Diesel: 470 l

CE boat certification:
 Category A : 10 pers., Category B : 12 pers., Category C : 18 pers., Category D : 23 pers.

Architect and Designer: Cabinet BERRET-RACOUPEAU
Builder: FONTAINE PAJOT

A Interior layout

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A Interior layout

A-1 Generalities

A-1-1 General points:

- Woodwork With Alpi
- Saloon/cabin interiors: laminated floor
- Lining on rot proof glass felt
- Fabric seat cushions
- Mattresses made of polyester foam

A-2 Saloon layout:

A-2-1 Saloon

- Level access from the cockpit
- Saloon accessible by 1 sliding perspex door with entrance carpet
- Panoramic view through bay windows and sliding bay of aft facade
- Natural lighting through 1 ceiling bay
- 1 spotlight coffee table
- 6 places bench seat.
- Large storage box under the wall seat
- Ventilation through 2 portholes with forward openings
- Lighting by LED spotlights

A-2-2 Galley

- Galley open to the outside via a sliding bay
- Synthetic resin worksurface
- 1 stainless steel hob with 3 gas burners with saucepan holder
- Ventilation via 1 deck hatch (above the gas stove)
- Worktop
- Twin stainless steel sinks
- Pressurised hot and cold fresh water by mixer tap
- 1 large low cupboard under sink
- 1 dustbin by vertical access, evacuation of bags by independent door
- 3 drawers, 1 of which with cutlery tray
- 1 storage cupboard on worktop with one drawer
- 1 x 144L cold storage volume with drawers using 12V cold system
- 1 grand placard au-dessus meuble froid
- Lighting by LED spotlights
- 1 large storage cupboard on the port side worktop that can accommodate a gaz oven (optional)

A-2-3 Chart table

- Wooden chart table and storage with flap cover
- High navigation instrument console
- 12V Electric panel
- One 12V electric outlet
- Lighting via 1 spotlight & 1 reading lamp for the chart table

A-3 Interior Layout: « Quatuor » version

A-3-1 PORT HULL : 2 twin cabins + 2 bathrooms

A-3-1.1 Companionway

A companionway forward of the saloon gives access to the port hull

- Wooden staircase
- Lighting via 2 spotlights
- Light switch

A-3-1.2 Aft cabin

- Access from the companionway via a wooden door
- Queen-size Island Bed (1,55 x 2 m approx.)
- Drawer below the bed with frontal access
- Bedside shelves
- Wardrobe
- Cupboard with shelves
- Ventilation via a deck hatch + and 1 hull porthole
- Rear panoramic window
- Large picture-window on hull side
- Curtains on all windows
- 2 Coat hook
- General lighting by 2 LED spotlight and 2 bedside reading lights
- Lining covered ceilings
- Two way light switches

A-3-1.3 Fore and aft bathroom

- Access by wooden door from the cabins
- Washbasin with worktop and mirror
- Hot and cold water by mixer tap and integrated shower unit
- Shower with electric drainage pump
- Manual toilet
- 2 Coat hooks
- 1 storage unit under the washbasin
- Ventilation by 1 deck hatch
- Lighting by 1 LED spotlight

A-3-1.4 Fore cabin

- Access by the wooden door in the passageway
- Double bed (1,55 x 2 m approx.)
- 1 drawer under the bed with front access
- 1 hanging cupboard
- 1 shelving on side of bed
- 1 Coat hook
- Ventilation via 1 hull porthole + deck hatch
- Large picture-window on hull side
- Curtains over all the openings
- General lighting by 1 LED spotlight and 2 bedside reading lights
- Lining covered ceilings

A-3-1.5 Forepeak

- Access from a deck hatch
- Gel-coat finish
- Buoyancy tank under half-height shelf

A-3-2 STARBOARD HULL : 2 twin cabins + 2 bathrooms

A-3-2.1 Companioway

A companionway aft of the saloon gives access to the starboard hull

- Wooden staircase
- Lighting via 2 spotlights

A-3-2.2 Aft cabin

- Access from the companionway via a wooden door
- Queen-size Island Bed (1,55 x 2 m approx.)
- Drawer below the bed with frontal access
- Bedside shelves
- Wardrobe
- Cupboard with shelves
- Ventilation via a deck hatch + and 1 hull porthole
- Rear panoramic window
- Large picture-window on hull side
- Curtains on all windows
- 2 Coat hook
- General lighting by 2 LED spotlight and 2 bedside reading lights
- Lining covered ceilings
- Two way light switches

A-3-2.3 Fore & aft bathrooms

- Access by wooden door from the cabins
- Washbasin with worktop and mirror
- Hot and cold water by mixer tap and integrated shower unit
- Shower with electric drainage pump
- Manual toilet
- 2 Coat hooks
- 1 storage unit under the washbasin
- Ventilation by 1 deck hatch
- Lighting by 1 LED spotlight

A-3-2.4 Fore cabin

- Access by the wooden door in the passageway
- Double bed (1,55 x 2 m approx.)
- 1 drawer under the bed with front access
- 1 hanging cupboard
- 1 shelving on side of bed
- 1 Coat hook
- Ventilation via 1 hull porthole + deck hatch
- Large picture-window on hull side
- Curtains over all the openings
- General lighting by 1 LED spotlight and 2 bedside reading lights
- Lining covered ceilings

A-3-2.5 Forepeak

- Access from a deck hatch
- Gel-coat finish
- Buoyancy tank under half-height shelf

A-4 Interior Layout : « MAESTRO » version

Starboard hull : 1 Owner suite accessible via a wooden sliding door

Port hull : 2 twin cabins + 2 bathrooms

A-4-1 STARBOARD HULL : Owner's suite

A-4-1.1 Owner's cabin –Sleeping area

- Queen-size Island Bed (1,55 x 2 m approx.)
- Drawer below the bed with frontal access
- Bedside shelves
- Wardrobe
- Cupboard with shelves
- Ventilation via a deck hatch + and 1 hull porthole
- Rear panoramic window
- Large picture-window on hull side
- Curtains on all windows
- 2 Coat hooks
- General lighting by 2 LED spotlight and 2 bedside reading lights
- Lining covered ceilings
- Two way light switches

A-4-1.2 Owner's cabin – Office area

- Desk with storage cabinet
- Library wall niche above the desk
- 1 seat
- Storage cabinet below the desk
- Large storage furniture: hanging closet, cupboard and wardrobe
- Main lighting via LED spotlight & 1 desk light
- Ventilation via 1 deck hatch
- Lining covered ceilings

A-4-1.3 Owner's cabin – Bathroom

- Large washbasin with worktop
- Mirror with niche shelf
- Hot and cold freshwater system from thermostatic mixer tap
- 1 large storage cupboard under the worktop with shelves and hanging cupboard which may optionally be fitted with a 5 kg washing machine
- 2 cabinets above the worktop
- Storage closet with shelves under the washbasin
- Ventilation via a deck hatch and a hull porthole
- Shower separated from the bathroom via a Plexiglas panel with non see through stripes
- Thermostatic shower tap

- Electric drainage pump for greywater
- 3 LED spotlights
- 2 Clothes hooks

A-4-1.4 Separated toilet

- Manual toilet
- Ventilation via a deck hatch
- Toilet roll bracket
- 1 LED spotlight

A-4-1.5 Forepeak

- Access via a deck hatch
- Fully-painted, gel-coat finish
- Buoyancy reserve under half-height shelf

A-4-2 PORT HULL : 2 twin cabins + 2 bathrooms

A companionway forward of the saloon gives access to the port hull

A-4-2.1 Companioway

- Wooden staircase
- Lighting via 2 spotlights
- Light switch

A-4-2.2 Aft cabin

- Access from the companionway via a wooden door
- Queen-size Island Bed (1,55 x 2 m approx.)
- Drawer below the bed with frontal access
- Bedside shelves
- Wardrobe
- Cupboard with shelves
- Ventilation via a deck hatch + and 1 hull porthole
- Rear panoramic window
- Large picture-window on hull side
- Curtains on all windows
- 2 Coat hook
- General lighting by 2 LED spotlight and 2 bedside reading lights
- Lining covered ceilings
- Two way light switches

A-4-2.3 Fore and aft bathrooms

- Access by wooden door from the cabins
- Washbasin with worktop and mirror
- Hot and cold water by mixer tap and integrated shower unit
- Shower with electric drainage pump
- Manual toilet
- 2 Coat hooks
- 1 storage unit under the washbasin
- Ventilation by 1 deck hatch
- Lighting by 1 LED spotlight

A-4-2.4 Fore cabin

- Access by the wooden door in the passageway
- Double bed (1,55 x 2 m approx.)
- 1 drawer under the bed with front access
- 1 hanging cupboard
- 1 shelving on side of bed
- 1 Coat hook
- Ventilation via 1 hull porthole + deck hatch
- Large picture-window on hull side
- Curtains over all the openings
- General lighting by 1 LED spotlight and 2 bedside reading lights
- Lining covered ceilings
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A-4-2.5 Forepeak

- Access from a deck hatch
- Gel-coat finish
- Buoyancy tank under half-height shelf

B Deck layout

The cockpit is fully covered by a rigid bimini. Flush sill between cockpit and saloon

B-1 Helm station

- Access through staircase from the cockpit
- Helmsman double seat
- Instrument console
- 360° view / All-round visibility
- Access to the Lounge deck through staircase

B-2 Lounge deck :

- Access via staircase from wheelhouse
- Available area for solarium and mattresses
- Visibility 360°
- Lounge deck area : 5 m²

B-3 Cockpit :

- Large cockpit: Circulation without threshold towards the saloon.
- Access via the transom platforms
- Transom platform with swimming ladder (at port) & handrail
- Hot water shower in the starboard transom
- GRP Bimini protecting all the cockpit
- 8 seats sofa around the table
- Teck cockpit table with a capacity of 8 places (10 places in option)
- 1 Large storage area under the central seat with space for a MP8 liferaft
- 1 fainting sofa on starboard side with large storage locker
- 1 Transom sofa with large storage locker
- 1 Gas chest for 2 bottles
- Space on starboard side for a cockpit 75L fridge
- Additional ventilation and lighting via 1 deck hatch
- Lighting via 4 waterproof spotlights
- Space available for a barbecue or plancha on starboard side aft of the cockpit

B-4 Fore deck saloon :

- 1 coffre avant tribord d'accès à la baignoire à mouillage et réservoirs eau douce
- Large locker on starboard side with windlass and equipment as well as fresh water tanks
- Large waterproof locker on portside with space for generator as well as watermaker
- Relaxation area with U-shaped sunbed (cushions optional)

B-5 Engine holds :

- Access via polyester deck hatch installed on stainless steel gas cylinders
- Sound proofing
- Neon lighting

C**Motorization****C-1 Engines & Equipments:**

- 2 Saildrive Volvo engine D1- 30CV
- 3 Blades fixed propellers
- Sea water filters
- Engine cooled via heat exchanger
- Complete engine panel and dual controls at helm station
- Hour meter

C-2 Fuel System:

- 1 Fuel tank 470L in port hull - fuel filler on port side aft cockpit including backflow protection device
- 1 Electric fuel gauge (indicator at chart table)
- 1 Fuel pre-filter / water separator + 1 engine fuel filter / engine
- Fuel shut-off valves

D**Plumbing****D-1 Freshwater:**

- 2 Freshwater tanks in the technical compartment in starboard fore locker (700L total capacity)
- 1 Electric gauge at chart table
- 1 Electric pump and pressure accumulator
- 1 Mixed water heater 40l in starboard engine compartment
- Available space for an additional water heater 40l in the sport hull

D-2 Bilging system:

- 1 electric bilge pump (2m³/h) in each engine room
- 1 electric bilge pump (2m³/h) in each hull
- 1 manual exterior bilge pump
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D-3 Grey water and black water

- 1 holding tank 90L in each hull
- Shower drainage via individual shower pump (automatic pump-out).

E Electricity / Electronics

E-1 Power circuit:

- 2 x 115A/12V engine alternators
- 1 set on starboard engine room of onboard/engine batteries of 345Ah AGM (3 x 150Ah)
- 1 port engine battery of 50A/h/ 800CCA
- 1 automatic back-up link and 1 Manual back-up link

E-2 12V Electrical Distribution Panel:

- General 12V distribution panel at chart table protected via circuit breakers
- Voltmeter for onboard batteries
- Spare sockets for extra equipment
- All accommodation lightings LED

E-2 Electronic :

- 1 V.H.F mast head antenna

F Rigging & sails

F-1 Mast and boom :

- Mast and boom in anodized aluminum
- Complete standing rigging
- Ball bearing mainsail luff cars
- 1 tackle on mainsail halyard
- 1 topping lift
- 3 reef lines with jammers at helm station
- Automatic reef N°1
- 1 genoa halyard on mat
- 1 spinnaker halyard
- lazy-jacks
- Clutches on all halyards for genoa, spinnaker and topping lift
- 2 flag halyards
- Navigation, running and mooring lights
- Deck lighting

F-2 Sails

- Full batten CSR mainsail
- Roller genoa fuller
- Genoa with UV strip

G**Deck fittings****G-1 Helm station:**

- 1 mainsheet tackle led aft to coach roof
- 1 clutch for mainsail sheet
- 1 clutch for the mainsail halyard
- 3 clutch for the reef lines
- 1 Ball bearing mainsheet traveller
- 2 x tackle on mainsheet traveler clutches with back on roof
- 2 x genoa tracks with load block
- 2 genoa sheets
- 2 size 50 Self-tailing winch for genoa sheet and mainsail halyard
- 1 size 45 Self-tailing winch for mainsail sheet and traveller

G-2 Steering system

- 2 foam sandwich rudders on stainless steel rudder stock
- steering control system by « pull/pull » cables
- Rudders linked mechanically by stock arm + transversal tube
- Aluminum stern tubes
- Self lining upper and lower rudderstock bearings
- Emergency tiller (starboard engine room)

G-3 Other equipments

- Steering wheel with leather sleeve
- 1 steering compass
- 2 winch handles with their 2 pockets
- 2 stainless steel tender davits with 1 x size 40 winch on port side (max load 100KG)
- Pulpit and pushpit, stanchions with upper and lower guardrails
- 1 sternladder on starboard transom (accessible in manoverboard condition)
- 1 Liferaft support accessible in capsized condition
- 1 Liferaft storage space under helm station stairs
- 7 stainless steel mooring cleats (2 foredeck + 2 middle + 2 astern + 1 in anchor well)
- 6 fenders
- 2 x 50 ft long mooring lines
- 1 x 1000W electric windlass with circuit breaker protection
- 1 roller fairled on forward beam
- Anchor fairlead under bridge deck with built-in bridle
- Trampoline net on foredeck
- 1 kit of spare parts

H Construction

H-1 Construction materials and processes

- Vinylester anti osmotic first skin on hulls
- Hulls build using infusion process with high quality anti osmotic polyester resin on balsa core
- E glass skins on all GRP parts
- RTM/Injection molding on PET core for the flybridge and deck
- Infusion molding on PVC core for the structural bulkheads
- Grey topcoated bilges
- White gelcoat deck with built in anti skid surface
- GRP keels bonded into keel boxes, anti flooding system in case of going aground

All dimensions are given as indication