

SANYA 57 – NO AGENDA

Manuel du Propriétaire Owner's Manual



Safety information
User guide
Technical information

SANYA 57 – NO AGENDA

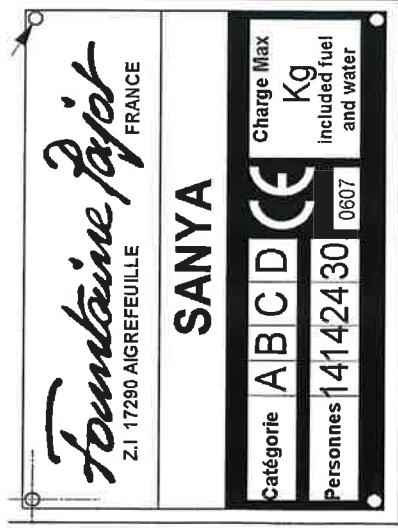
Fontaine Pajot
C A T A M A R A N S

I. Introduction

- This manual has been created to help you to enjoy your craft in complete safety. It contains details of the craft, the equipment supplied or fitted and its systems, as well as information on their use. Please read it carefully and familiarise yourself with the craft before using it.
- This owner's manual is not a course on safe sailing or marine practices. If this is your first craft or if you have changed for a type of craft that you are not familiar with, for your comfort and safety ensure that you acquire experience in handling and using it before taking command of it. Your dealer, national sailing or motorised nautical federation or yacht club will be only too pleased to advise you on sailing schools or competent instructors in your region. Ensure that the wind and sea conditions forecast are suitable for the design category of your craft, and that your crew and yourself are capable of handling it in these conditions.
- Even when your craft is suitable, the wind and sea conditions for design categories A, B and C vary from a heavy storm for category A to severe conditions for the top segment of category C, subject to the dangers of abnormal gusts of wind or waves, and consequently are dangerous conditions in which an experienced crew, in good shape and trained, handling a well maintained craft, can sail satisfactorily.
- This owner's manual is not a detailed guide on repairs and maintenance. In case of difficulty, contact the builder or his agent. If a user manual is provided, use it. Always use an experienced professional for servicing, fitting accessories or modifications. Modifications that may affect the safety characteristics of the craft must be assessed, carried out and documented by skilled persons. The builder may not be held responsible for modifications that have not been approved.
- In certain countries, a skipper's licence or permit may be required or specific regulations may apply.
- Always keep your craft well maintained and do not neglect the wear and tear that occurs over time or, where applicable from intensive or inappropriate use. No matter how strong the craft is, it may be severely damaged if it is not used correctly. This is not compatible with safe sailing.
- Always adjust your speed and the direction of the craft to the sailing conditions.
- If your craft is equipped with a life raft, read its instruction manual carefully. The crew must have all of the required safety equipment on board (life jackets, harnesses, etc.) corresponding to the type of craft, the weather conditions, etc. This equipment is obligatory in certain countries. The crew must be familiar with the use of all of the safety equipment, and the emergency procedures (man overboard, towage, etc.); sailing schools organise training sessions regularly. It is recommended that all persons wear suitable buoyancy aids (life jackets, personal buoyancy aids, etc.) when they are on deck. It should be noted that in certain countries, buoyancy aids must be worn at all times in compliance with national regulations.
- PLEASE KEEP THIS MANUAL IN A SAFE PLACE AND PASS IT ONTO THE NEW OWNER IF YOU SELL YOUR BOAT.

SANYA 57 – NO AGENDA

Builder's plate:



The Builder's plate is fixed on the right hand side of the cockpit, at the entrance to the saloon. The information on this plate is to be found in the chapters of this manual.

Designed in compliance with the ISO 10 240 standard, the general purpose of this manual is to list certain items of equipment or accessories or cover subjects that are not standard for your craft. If in doubt, refer to the inventory list supplied when you purchased the craft.

For your comfort and safety, ensure that you have experience in handling and using this type of craft before taking control of it.
The person selling you the craft, your international nautical federation or your yacht club will be very happy to recommend local sailing schools or competent instructors.



Danger

Indicates the presence of an **extreme intrinsic risk** that has a high probability of causing death or irreparable injuries if suitable precautions are not taken.



CONSEILS

Indicates a reminder of safety procedures or draws attention to dangerous practices that could cause injuries or damage the boat, parts of it or the environment to be followed or avoided to carry out the action in complete safety.

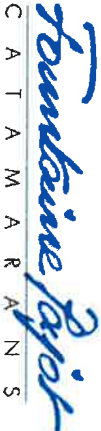
SANYA 57 – NO AGENDA

I.	Introduction	2
	Builder's plate:	3
I.	Preamble	6
1)	<i>General characteristics</i>	6
2)	<i>Homologation</i>	7
a)	Design categories	
b)	Description of the design categories	
c)	Loading	
II.	Safety	10
1)	<i>Dangers present on board</i>	10
2)	<i>Safety equipment</i>	10
3)	<i>Prevention of persons falling overboard</i>	11
4)	<i>Gas-related risks</i>	12
5)	<i>Fire-related risks / Fire prevention and fire fighting</i>	14
a)	Procedure to be followed in the event of fire in the engine compartment	
b)	Emergency exits and extinguishers	
c)	Electrical systems, risks of fire, explosion and electrocution	
6)	<i>Pumping system</i>	17
7)	<i>Emergency steering system</i>	18
III.	RUNNING	20
1)	<i>Electrical systems</i>	20
a)	Electrical installations	
b)	Powering up:	
c)	External electrical connection	

SANYA 57 – NO AGENDA

d) Electrical equipment	
e) Maintenance of electrical equipment	
2) <i>Drive</i>	26
a) General information	
b) Procedures for starting the engines	
c) Engine maintenance	
d) Engine layout	
3) <i>Sailing</i>	31
a) Reduction of sail area	
b) Genaker	
4) <i>Anchoring, mooring and towage</i>	33
a) Anchoring	
b) Mooring	
c) Towing	
5) <i>Maintenance(cranage, carenage, wintering...)</i>	36
IV. COSINESS	37
1) <i>Cold</i>	37
Refrigerators	
2) <i>Plumbing</i>	39
a) Operation of toilets	
b) Sea water	
V. Optional equipment	45
1) <i>Generator</i>	45
2) <i>Air conditioning</i>	47
3) <i>Water maker</i>	50
4) <i>Washing machine</i>	51
5) <i>Solar panels</i>	52
VI. Annex - List of drawings	53

SANYA 57 – NO AGENDA



1) General characteristics

Builder's name : Fountaine Pajot, Zone industrielle, 17 290 Aigrefeuille
Model name : SANYA 57

CIN number : **FR FPA 53 0XX M aAA**

X : boat n° / M : month built / a : year built / AA : year of model

Hull length : 17.02 m

Max beam : 8.88 m

Light weight displacement : 22 128 kg

Maximum recommended load in Cat. A : 6516 kg

Max. displacement in CAT 'A' : 28644 kg

Maximum recommended load in Cat. D :: 7228 kg

Max. displacement in CAT 'D' :: 29356 kg

Air draft : 24.60 m / 80.6 ft

Draught : 1,40 m / 4,06 ft

Main sail:	Genoa:	Gennaker (option) :
112 m² / 1200 sq ft	58 m² / 623 sq ft	152 m² / 1600 sq ft

Capacity of tanks :

Diesel : 2*550 L (nominal capacity, not entirely accessible depending on the trim of the craft: **Allow a reserve of 20%**)
Refer to the motorisation chapter for more details.

Fresh water : 1050 L (nominal capacity, not entirely accessible depending on the trim of the craft)

Black water : 280 L

SANYA 57 – NO AGENDA

2) Homologation

a) Design categories

CE category	Maximum n° of persons
A	14 persons
B	14 persons
C	24 persons
D	30 persons



Avertissement

Do not exceed the recommended maximum number of persons.
Regardless of the number of persons on board, the total mass of the persons and equipment must not exceed the maximum recommended load.
Always use the seats provided.

b) Description of the design categories

Design category Craft designed for navigation:	Wind force (Beaufort scale)	Mean maximum wave height to be considered (in metres H 1/3)
A: "In high seas"	Over 8	Over 4
B: "Offshore"	Up to and including 8	Up to and including 4
C: "Close to the coast"	Up to and including 6	Up to and including 2
D: "In sheltered waters"	Up to and including 4	Up to and including 0.3

Note:

The mean maximum wave height is the mean height of the upper third of the waves, which is approximately equal to the height of the wave estimated by an experienced observer. Certain waves may be twice the height of this value.

SANYA 57 – NO AGENDA

Catégorie A: Le navire est conçu pour de grands voyages au cours desquels le vent peut dépasser la force 8 (sur l'échelle de Beaufort) et les vagues une hauteur significative de 4 mètres, pour lesquels ces navires sont dans une large mesure autosuffisants.

Category A: The craft has been designed for ocean cruising during which the wind force may exceed 8 on the Beaufort scale and the mean maximum wave height may exceed 4 meters, for which such craft are to a large extent self-sufficient.

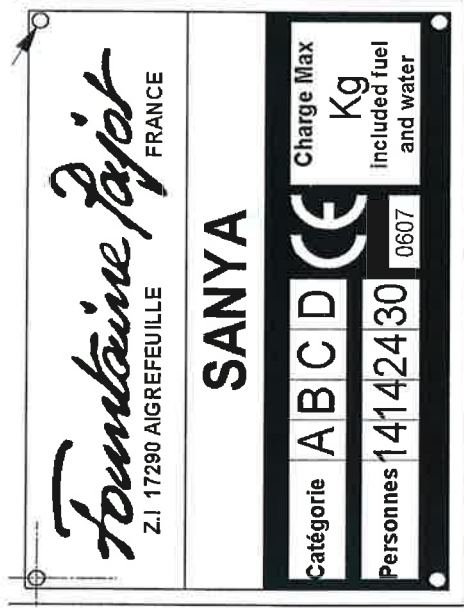
Categoría A: El barco está concebido para grandes travesías durante las que el viento puede superar la fuerza 8 (en la escala de Beaufort) y las olas una altura significativa de 4 metros por lo cual estos barcos son en una amplia medida autosuficientes.

Kategorie A: Das Schiff ist ausgelegt für ausgedehnte Fahrten, bei denen die Windstärke mehr als Stärke 8 (auf der Beaufort-Skala) und die signifikante Wellenhöhe 4 Meter erreichen kann. Hierbei sind diese Schiffe im Prinzip ohne fremde Hilfe seetüchtig.

Categoria A Imbarcazione concepita per dei lunghi, nel corso dei quali i venti possono superare forza 8 (nella scala di Beaufort) e le onde possono raggiungere un'altezza significativa di 4 m per i qu ali queste imbarcazioni sono largamente autosufficienti

SANYA 57 – NO AGENDA

c) Loading



Avertissement

When loading the craft, do not exceed the maximum recommended load. Always load the craft carefully and spread the load appropriately to avoid altering the theoretical trim (approximately horizontal). Avoid putting heavy loads in the upper sections.

The maximum recommended load includes the weight of all of the persons on board, supplies, personal effects, all equipment not included in the weight of the light craft, the cargo (where applicable) and all of the consumable liquids (water, fuel, etc...)

The total weight of the liquids (diesel and fresh water), with permanent tanks full is: 1985 kg (ED: 1050 + GO: 1100*0.85)

The maximum loads listed on page 6 are defined on the basis of the light craft, which is to say excluding options. The installation of options reduces the maximum authorised load proportionally.

SANYA 57 – NO AGENDA

II. Safety

1) Dangers present on board

A boat is a confined space that can rapidly turn into a dangerous environment, unless certain precautions are taken.

It is recommended to familiarise yourself with the dangers and inherent precautions:

- Gas
- Fire
- Electrical systems
- Sailing

Please read the corresponding paragraphs, as well as the specific documents for each appliance.

2) Safety equipment

Refer to DDF ACC 053 018

- Put in place outside the safety equipment (buoys, life raft, ...)



Avertissement

- Do not exceed the maximum number of persons aboard as defined for the category of the craft.
- Do not exceed the maximum load of the craft defined in this manual.



CONSEILS

- Close the deck hatches and the portholes when sailing. In stormy weather, close the entrance to the saloon.
- Inform all crew members of the safety procedures each time before sailing.

3) Prevention of persons falling overboard

- If someone falls overboard, use the retractable swim ladder in the rear starboard skirt.



SANYA 57 – NO AGENDA

4) Gas-related risks

- Only store gas bottles in the compartment designed for this purpose.
- Switch off the bottle taps if there is a LPG leak or fire in a LPG tank.
- Ventilate efficiently to avoid any risks of asphyxia.

Refer to DDF PBL 053 872

Instructions for the use of gas appliances.

Refer to the specific manuals of the appliances supplied with the documents of the craft.

Close the taps of the gas system and the bottle when the appliances are not in use.

Close the taps before changing a bottle and immediately in the case of emergency.

Do not leave an appliance unattended when in use.

Do not place inflammable materials above the hob (curtains, paper, towels, etc.).

Ensure that the taps of the appliances are closed before opening the tap of the bottle or that of the system.

If you smell gas or if the flame is extinguished accidentally (in spite of the automatic cut off of the gas supply in the event of the flame being extinguished), close the taps of the appliances. Create a draught to get rid of the residual gas. Look for the cause of the problem.

Test the gas system regularly in order to detect any leaks.

Check all connections using a soapy or detergent solution, by closing the taps of the appliances and opening the tap of the bottle.

If a leak is detected, close the tap of the bottle and repair it before further use.

The appliances consume the oxygen in the cabin and emit combustion products.

Ventilate the craft when appliances are in use.

Do not obstruct the ventilation ducts and at least leave the door open.

Do not use the oven or the hob as additional heating sources.

Lock the hob and oven in the off position when sailing to avoid any damage to the pipes.

Ensure that rapid access is maintained at all times to the gas circuit components.

Keep empty bottles disconnected and with their taps closed.

Keep the guards, covers, safety devices and plugs in place.



Danger

- Do not use solutions containing ammonium.
- Do not use flames to detect leaks.
- Do not smoke or use naked flames when changing the gas bottle.



CONSEILS

Switch off the main tap of the gas system and the pressure reducer tap when not in use.

SANYA 57 – NO AGENDA

Store the empty and reserve bottles on the deck or in a trunk with outside ventilation.

Do not use the gas bottle compartment for storage. Only store the gas bottles in their storage compartment. Check regularly and replace as required the flexible hoses connecting the bottle to the hob in compliance with the standards and regulations in effect in your country.

Be careful that the screw thread used to fit the pressure reducer onto the bottle is not damaged. Check the condition of the pressure reducer once a year and change as required. Use the same type of pressure reducers as those fitted. Have repairs carried out by a skilled person.

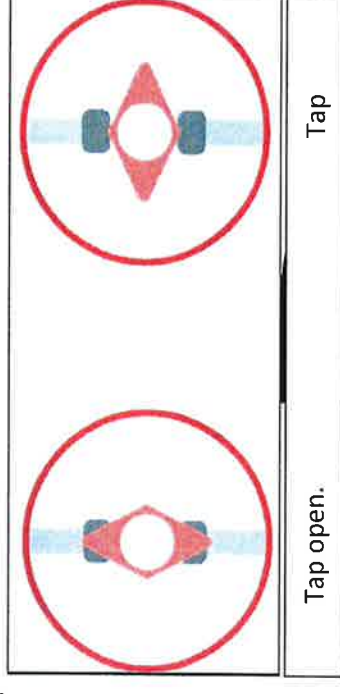
The gas bottle is stored in the mooring locker.

The tap is in the galley, in the cupboard underneath the counter top.



When changing the bottle of gas,

- ensure that all taps are closed.
- do not smoke, do not use naked flames.



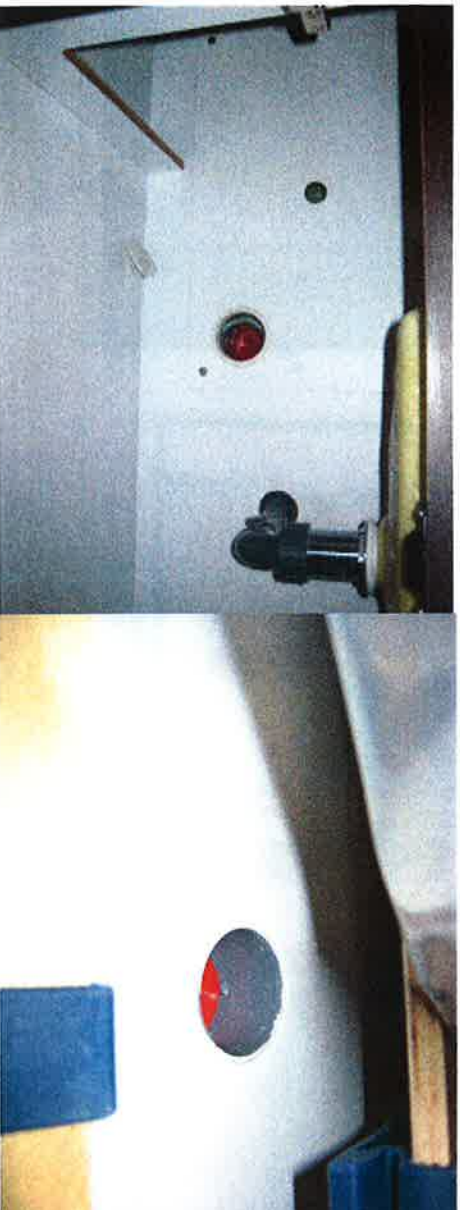
SANYA 57 – NO AGENDA

5) Fire-related risks / Fire prevention and fire fighting

a) Procedure to be followed in the event of fire in the engine compartment

Fire extinguishing can be done without opening the engine compartment. Each engine compartment is equipped with a plug hole for fire extinguishers.

Plug hole in MAESTRO HEAD for PORT ENGINE ROOM and plug hole under AFT STARBOARD CABINE MASTRESS for STARBOARD ENGINE ROOM



Procedure to be followed in the event of fire in the engine compartment:

- Switch off the engine, Stop the fan
- Switch off the electrical power supply, and the fuel supply
- Plug the extinguisher in the hole
- Wait until extinguishing is complete
- Open the access panels to inspect and carry out repairs

b) Emergency exits and extinguishers

Refer to DDF AME 053 801

It is the owner's or the skipper's responsibility:

- To have the extinguishers checked in compliance with the guidelines stated.
- To replace the extinguishers by others of equivalent or greater capacity, if the extinguishers have been discharged
- To inform the crew of:
 - the position and operation of the extinguishers,
 - the position of the discharge orifice in the engine compartment,
 - the position of the emergency exits.
- Ensure that the extinguishers are accessible when the craft is occupied.

Keep the bottoms clean. Check for the presence of fuel and gas vapour at regular intervals.

Only use replacement parts that are compatible for the extinguishers. The parts must have the same applications or be equivalent technically for fire resistance. Do not store combustible products in the engine compartment. If non-combustible products are kept in the engine compartment, they must be fixed to prevent them from falling onto the machine and not obstruct access to it.

Exits other than the doors or panels of the main ladder fitted with permanent ladders must be identified by a symbol.



Only use the CO2 extinguishers for **electrical fires**.

Evacuate the area immediately after discharge to avoid asphyxiation.
Ventilate before entering.

SANYA 57 – NO AGENDA

c) Electrical systems, risks of fire, explosion and electrocution

The entire electrical installation must be maintained regularly by a specialist.

All connections must be checked that they are tight at least once a year.

DO NOT LEAVE THE CRAFT UNATTENDED WHEN POWERED

12/24V=

Handle batteries carefully. If the acid is splashed, rinse copiously and consult a specialist.

Batteries must be kept clean and dry, and a regular check made that the terminals are tight.

Check the charging and charge monitoring systems regularly, and also the ventilation systems.

110/220V~

(Colours of the wires: phase/brown, neutral/blue, EARTH/green-yellow)

Always open the circuits before working on the installation.

Always use double insulated appliances or with an earthed plug.

Quay electrical extensions:

Unwind the quay electrical extension(s) before connecting them.

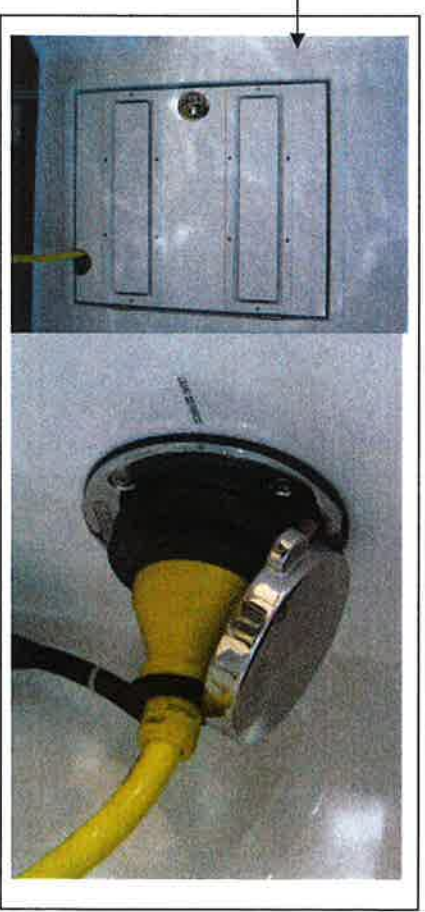
One of the sockets is for A/C system.

Check the condition of the cable.

If the cable is damaged, replace it with an identical cable.

Switch off the quay power supply and the isolator switch on board before handling the extensions.

Always plug in/unplug the quay side first.



RISKS OF ELECTROCUTION:

For swimmers close to a craft connected to a quay charging socket.

Do not connect an extension when the plug is wet.



Avertissement

DO NOT WORK ON AN ELECTRICAL INSTALLATION THAT IS POWERED.

Do not modify the installation without checking with the builder and/or a qualified marine electrician.

SANYA 57 – NO AGENDA

6) Pumping system

Bilge pumps

⇒ Refer to DDF PBL 053 806

Instructions for the routine and maintenance checks.

The **central zone** of each hull (from the bow to the bulkhead of the engine compartment) may be emptied using the following pumps:

- A **manual pump** (cockpit).
- An **independent electric bilge pump**, with an automatic trigger system and a visual and sound alarm and manual control (chart table)

The **engine compartment** of each hull may be emptied by:

- A **manual pump** (cockpit), whose handle is stored under the seat trunk cover in the cockpit,
- An **independent electric bilge pump**, with an automatic trigger system and a visual and sound alarm and manual control (chart table)

SAFETY PRECAUTIONS:

Check the operation of each bilge pump at regular intervals.

Clean the suction filters or points of the pumps for debris that could obstruct them.

If the watertight bulkheads which isolate the front and rear peaks are fitted with valves, they must normally be kept closed and only opened to drain water from the main hold.



AFT STARBOARD GANGWAY BILGE PUMP



CONSEILS

Keep the hull valves, the cockpit drains plug holes and other opening /sealing devices in the closed or open position, as appropriate, to minimise the risk of water entering.



Avertissement

The bilge pump system is not designed to evacuate water entering via breaches in the hull.



MANUAL PUMPS
TECHNICAL ROOM

SANYA 57 – NO AGENDA

7) Emergency steering system

Refer to DDF PBL 053 004

The emergency tiller can be fixed on the top of the rudder stock (hole in skirt step).

This equipment is designed for emergency use at **low speed**.

III. RUNNING

- Attach the mobile elements carefully when the craft is sailing.

Protection of the environment

- Keep informed of the local regulations for the protection of the environment and follow the code of good practices
- Do not empty the toilets or the contents of the retention tanks close to the shore or in prohibited zones and use the port or marina pumping systems to empty the retention tanks before leaving the port.
- Familiarise yourself with the international marine pollution regulations (Marpol) and respect them as far as possible.

SANYA 57 – NO AGENDA

1) Electrical systems

Refer to DDF ELC 053 003, 011, 012 and 060

a) Electrical installations

ENGINES and GENERATOR - 12 V DC SYSTEMS

- 12V engine batteries are separated in 2 units :

- 1 x 12V battery for port engine : 105 Ah
- 1 x 12V battery for STB engine : 105 Ah

The port 12 V engine battery :

- supplies only the port engine.
- The charge is provided by the standard port engine alternator.

The starboard 12 V engine battery :

- supplies the STD engine and the generator.
- The charge is provided by the standard STD engine alternator.

- **In case of low power level**, each 12V battery can be connected to the other by means of a circuit breaker located in port technical room.

- Once the emergency start is achieved, the connection must be switched off.

SANYA 57 – NO AGENDA

220 V AC SYSTEM

(For more details please refer to drawing DDF ELC 053 060 - CIRCUIT 220 V / 220 V POWER)

The AC system 220 V AC is powered:

Either by the charger / inverter 5000W

Or from the quay / 32A plug (or quay extension)

Or by the generator

Inverters

Main inverter :

The main 5000W inverter is located in the port aft technical room.



SANYA 57 – NO AGENDA

24 V DC system :

24V batteries for **service** ..

1 unit of 24V 750 Ah

Charge of batteries :

- The main service battery unit is charged by 2 additional 24V engine alternators.
- The main battery unit can also be charged by the charger / inverter.

Distribution service :

The 24V service system powers **2 groups of on board functions**.

- 1 group of “**permanent**” functions: -bilge pumps
 - Powered by the service battery unit
 - General protection by port side and starboard circuit breaker, permitting the power supply to be isolated.

- 1 group of “**service**” functions :

Powered by the service battery unit
Isolation by the service circuit breaker commanded from the map table and protection by fuses.

The battery command is triggered when the capacity of the unit drops below 40% and in the event of a major drop in voltage.

- The 24V service battery unit is monitored by a voltmeter / amperemeter located at the cart table

The negatives of these systems are common.

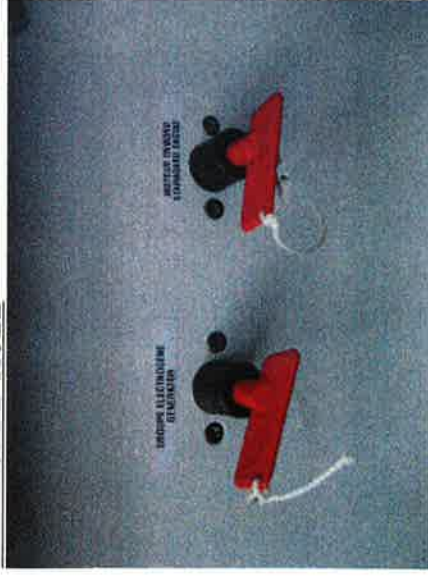
SANYA 57 – NO AGENDA

b) Powering up : fuses and battery switches

PORT HULL



STARBOARD HULL



SANYA 57 – NO AGENDA

c) External electrical connection



Quay extensions:

Connect the quay extension(s) ensuring they **completely unwound**.



Do not connect an extension
if the plug is wet.



CONSEILS

Check the condition of the
cable. If it is damaged,
replace it with an identical
cable.

SANYA 57 – NO AGENDA

d) Electrical equipment (generator, electric panels, circuits 12/24/220 systems, batteries)

Batteries :

	24V service	Port and starboard 12V
	5*150 Ah	2*105 Ah

Other electrical equipment :

Combined charger / inverter	Generator
Power rating : 120 A / 5000 W	Max power : 13.5 kVA
Voltage : 24 V / 230V	Voltage : 230V

SHORE or GENERATOR 220 V POWER SUPPLY

The switching from one power source to the other is automatic

e) Maintenance of electrical equipment

Check the condition of the batteries and the electrical installation very regularly.

A check that the electrical connections are tight and an in depth check of the entire installation must be carried out by a qualified marine electrician at least once a year.

SANYA 57 – NO AGENDA

2) Drive

a) General information

Brand	Reference	Power	Cruising speed	Max speed
VOLVO	D3-110	2*110 cv / 2*81 kW	2200 rpm	3000 rpm

- Avoid brusque manoeuvres at high speed
- Reduce speed when in rough seas for comfort and safety



Keep clear of moving mechanical engine parts: shafts, belts, ...
Certain parts of the engines may become very hot: RISKS OF BURNING

Diesel tanks :

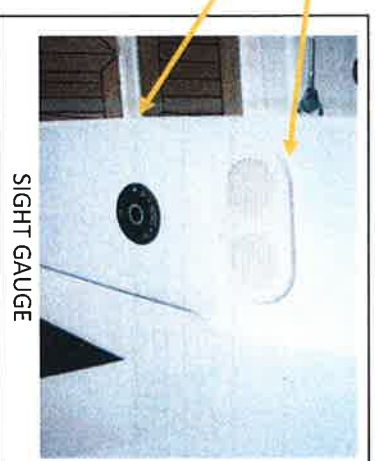
Fuel plug holes (Port and Starboard) :

The craft has 2 independent diesel tanks of 550l each.

CAUTION : the working volume is less and varies with the trim.

They are filled via the plug holes on the starboard and port side in the cockpit.

The tanks are fitted with electrical gauges



b) Procedures for starting the engines

General recommendations:

- Check that the ventilation ducts of the engines are not obstructed
- Do not smoke when the tanks are being filled
- Avoid all contact between inflammable materials and the hot parts of the engine
- Only store fuel (and all fuel containers: outboard motors, tanks, ...) in the compartments provided for this purpose.

Starting the engines

For all information concerning the use and maintenance of the engines, please refer to the VOLVO manuals.

Check the fluid levels of the engines and gearboxes (oil and liquids).

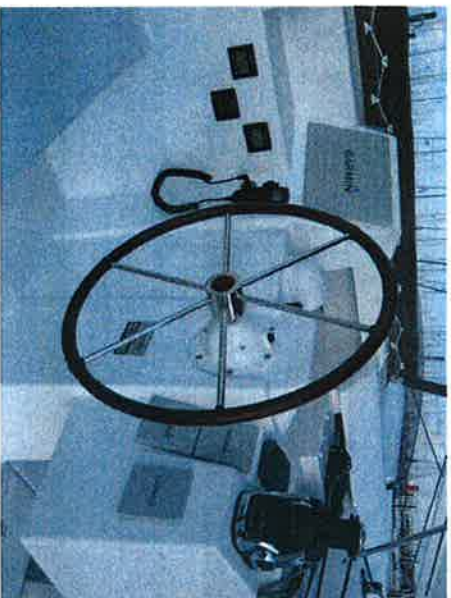
Check the water inlet valve is open and the condition of the filters in each float.



SANYA 57 – NO AGENDA

AT HELM STATION

Starting procedure:

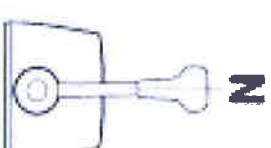


1_ Place the control levers in the neutral position.

2_ Switch on the ignition

3_ Check that the system initialises correctly on the Volvo panel.

4_ Start the engine



Avertissement

Do not use the starter motor for more than about ten seconds when starting the engine, as there is a risk of flooding the exhaust with water and damaging the engine.

SANYA 57 – NO AGENDA

1 additional electronic throttle is fitted at port side in the cockpit :

At starboard side in the cockpit :



For all information concerning the use of the throttles, please refer to the VOLVO manuals.

In the event of a problem, refer to the instructions for the engine and if necessary contact a VOLVO dealer.

SANYA 57 – NO AGENDA

c) Engine maintenance

The maintenance must be carried out in compliance with the VOLVO recommendations, refer to the manuals provided.

Engine oil changes

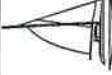
DATE	HOURS SAILED	OIL CHANGED	FILTER CHANGED

SANYA 57 – NO AGENDA

3) SAILING

Refer to drawing DDF ACC 053 041

a) Table on the reduction of sail area according to the wind force (apparent wind)
(these values depend on the sea state – non contractual document)

	Beat and close reaching	Downwind and broad reaching
Maximum sail area 	0-18 knots	0-15 knots
Main sail 1 reef Genoa 2/3 	18-25 knots	15-20 knots
Main sail 2 reef Genoa 1/2 	25-30 knots	20-25 knots
Main sail 3 reef Genoa 1/3 	30-35 knots	25-30 knots
Main sail 3 reef Genoa 1/5 	35-40 knots	30-35 knots
Main sail down Genoa 1/10 	> 40 knots	> 35 knots

SANYA 57 – NO AGENDA

b) Genaker (optional) :



Setting the genaker (option)

The genaker is a sail designed to be used for downwind sailing and in an apparent wind under 15 knots.

It must always be stowed away:

- in wind speed of more than 15 knots
- when berthed at anchor when it is not used in navigation.



SANYA 57 – NO AGENDA

4) Anchoring, mooring and towage

a) Anchoring



Setting the anchor :

1 - **Unhook** the safety tackle of the anchor, lower the anchor and the chain to the last few metres of the final required length by using the remote control



- **2 - Control of the anchor** is done by the up and down buttons on the remote controls
- **3 - Attach** onto the chain the the snap shackle from the bridle waiting in the anchor locker.
- **4 - Let out the end of the length of chain** required until the tension of the mooring gear has been taken up by the bridle.

SANYA 57 – NO AGENDA

➤ Raising of the anchor.

- 1 – Begin the raising of the anchor.
- 2 – Control the storage of the chain in the anchor locker in order to avoid tangling of the chain.
- 3 – Raise the anchor as far as the snap shackle of the bridle, undo the snap shackle from the bridle and fix it on its tackle.



- 4 - Raise the anchor slowly making sure that the anchor is put correctly into the anchor roller.



Avertissement

Caution
When using the windlass, keep clear of the windlass and the chain. In particular, pay special attention to the protection of hands and feet.

SANYA 57 – NO AGENDA

- **5 - Block the chain** with the tackle intended for that use.



b) Mooring:

6 cleats plus 1 in the anchor compartment are located on the deck (see reference plan above)
A set of hawsers and fenders is supplied as standard.

c) Towage

Attention

Always remain at low speed when towing or being towed.

Do not exceed the maximum displacement speed of a hull during towing.

A towage cable must always be moored so that it may be thrown under load.

SANYA 57 – NO AGENDA

5) Maintenance (cranage, careenage, wintering...)

There are a lot of stainless steel parts used on this craft, so regular maintenance is required. The various surfaces (composites, PMMA, ...) must be cleaned using suitable products.

CRANAGE and LANDING

Use suitable lifting equipment for the size of your catamaran.

It must be lifted in compliance with the plan above, using a crane or a travel lift. The craft must be placed on cradles or on a jig.

When returned to the water, remember to empty the sealing glands.

CAREENAGE

Only careen your craft in an area designed for this purpose.
Surface of the bottom: about 80 m².

WINTERING

Bring inside all cushions, protect outdoor tables, drain the fresh water circuits, as required, ...



Danger

Do not park underneath the craft.
Place the craft on chocks at the level of the forward and aft bulkheads of each hull.

IV. COSINESS

1) Cold

Refrigerators

a. 1 Refrigerator / Conservator 220 V.



The refrigerator is powered by the inverter located in the technical area in the skipper cabin – The inverter is powered by the main battery unit.



CONSEILS

To reduce the 24V energy consumption, respect the following guidelines:

- Set the thermostat of the refrigerator to the minimum required
- Avoid opening the door
- Keep the refrigerator well stocked
- Defrost refrigerator regularly

SANYA 57 – NO AGENDA

Check the main battery unit level with the voltmeter at the chart table.



The refrigerator / freezer is started / stopped via the inverter remote control panel located at the chart table.

For all information concerning the use and maintenance of the refrigerator / freezer, please refer to the manufacturer manuals.

2) Plumbing

FRESH WATER TANK:	1050l
BLACK WATER TANK:	280l
HOT WATER TANK:	2 x 40l

a) Operation of toilets

These toilets are electric and use fresh water. They always evacuate to the holding tank. They are controlled via the panel closed to the toilets.

For all information concerning the use and maintenance of the toilet, please refer to the manufacturer manuals.

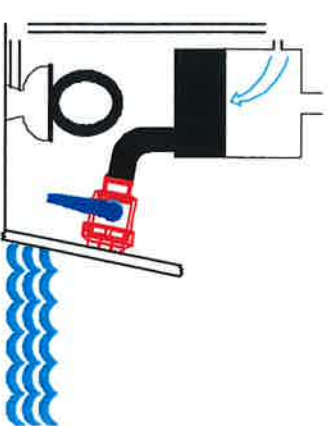


SANYA 57 – NO AGENDA

b) Operation of holding tank

For black water storage close the evacuation valve located in the starboard fore peak.

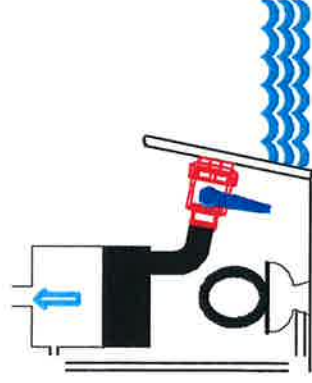
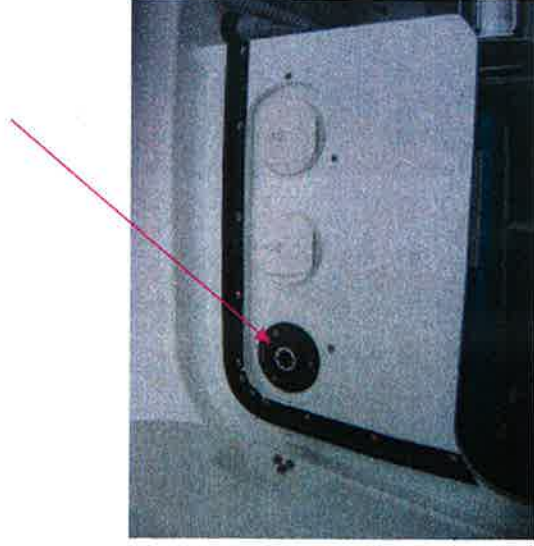
Attention :
Do not close the air outlet



SANYA 57 – NO AGENDA

Drain the holdind tank :

- Either at sea by opening the valve
- or at port using a pumping station via the plug hole located in starboard front locker.



AVERTISSEMENT :

The system must be drained before wintering

SANYA 57 – NO AGENDA

c) Fresh water

The fresh water circuit is pressurised via a hydrophore unit

Open the main valve to supply the water circuit from the water tank (the valve is in the technical locker under the chart table)



The fresh water pump is located in the starboard front locker



SANYA 57 – NO AGENDA

Switch on 'Eau douce' on the main electrical panel (chart table)

Check the water heater inlet valve is open (port an starboard engine bearers)



SANYA 57 – NO AGENDA



➤ Fresh water shore connection :

The fresh water circuit may also be supplied from the quay.
Simply connect a hose from the quay to the deck socket located on the starboard skirt. (In this case, the board fresh water pump is not operating).



V. Optional equipment

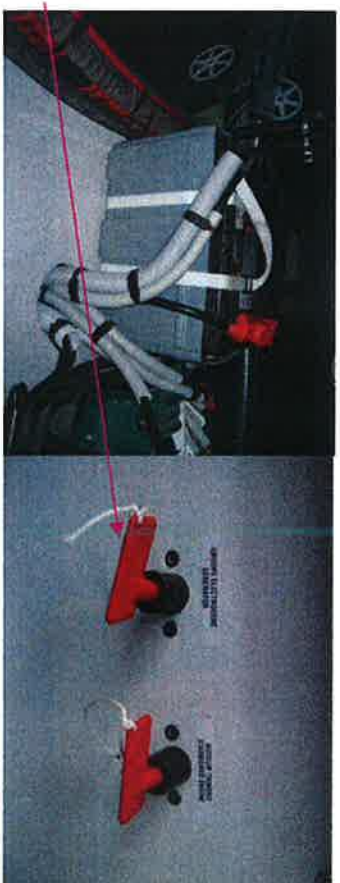
1) Generator



The generator remote control panel is located at the chart table.

SANYA 57 – NO AGENDA

Generator battery : the starboard engine battery is used for generator starting (on engine bearers)



The generator circuit breaker is on the front panel in the technical room.

Open the sea water inlet valve and also the outlet valve.



Fuel filter and sea water filter in front of the generator.



For all information concerning the use and maintenance of the generator, please refer to the ONAN manuals.

SANYA 57 – NO AGENDA

2) Air conditioning

Air conditioning compressors are located in the port engine room

- Sea water pump

- Sea water filter

The circulation pump is located under the compressors.



SANYA 57 – NO AGENDA

The air conditioning is powered either by the shore, or by the generator.

The switching from one power source to the other is automatic

For AC shore power use the dedicated shore socket.



The Air Conditioning system is controlled via :

- The panel in the engine room



- Or via the remote control panel at the chart table

SANYA 57 – NO AGENDA

The temperature is monitored via the control panel located in each cabin and in the saloon.

The location of each fan coil is shown on the drawing n° DDF_PLB_053_005



For all information concerning the use and maintenance of the air conditioning, please refer to the manufacturer manuals.

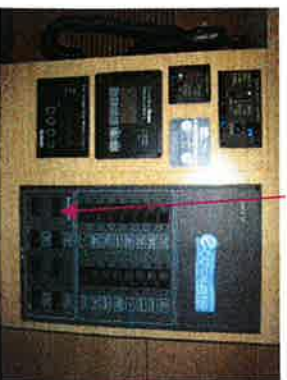
SANYA 57 – NO AGENDA

3) WATER MAKER

The WATER MAKER is located in the starboard technical room.



Open the sea water inlet valve and the outlet valve (starboard technical room).
The start can be done either on the water maker, or on the remote control panel at the chart table.



For all information concerning the use and maintenance of the WATERMAKER, please refer to the manufacturer manuals.

4) WASHING MACHINE and DRYER

The washing machine and the dryer are powered either from the shore or via the generator.



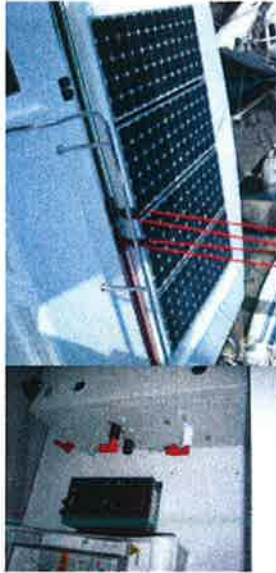
SANYA 57 – NO AGENDA

5) SOLAR PANELS

The remote control panel is located in the port technical room.

Attention

Do not step on the panels



SANYA 57 – NO AGENDA

VI. Annex

1) DRAWING LIST

N°	CATEGORIE	NUMERO DU PLAN	NOM DU PLAN
	Fire safety		
		DDF AME 053 801	PLAN D'EVACUATION INCENDIE / FIRE ESCAPE
	Deck fitting		
		DDF ACC 053 041	PLAN DE VOILURE / SAIL PLAN PERFORMANCE RIGGING
		DDF ACC 053 005	POSITION AXE TUBE JAUMIERE / RUDDER STOCK
		DDF ACC 053 008	ACCASTILLAGE GENERAL (+ listing) DECK FITTING
		DDF ACC 053 018	POSITION RADEAUX / LIFERAFTS LOCATION
		DDF ACC 053 020	CADENES LIGNES DE VIE / LIFELINE FIXINGS
		DDF ACC 053 023	PLAN DE MANUTENTION / LIFTING OF BOAT
		DDF PRS 053 004	FEUX DE NAVIGATION / NAVIGATION LIGHTS
	Plumbing		
		DDF PBL 053 008	STOCKAGE EAUX NOIRES / BLACK WATER
		DDF PBL 053 004	CIRCUIT BARRE HYDRAULIQUE / HYDRAULIC STEERING SYSTEM
		DDF PBL 053 009	CIRCUIT EAU GLACEE / AIR CONDITIONING
		DDF PBL 053 010	PLOMBERIE GENERALE / GENERAL PLUMBING
		DDF PBL 053 806	PLAN D'ASSECHEMENT / BILGE PUMPS
		DDF PBL 053 872	CIRCUIT GAZ SANYA / GAS CIRCUIT
		DDF PIE 051 905	RESERVOIR EAU DOUCE / FRESH WATER TANK
	Electricity		
		DDF ELC 053 003	ECLAIRAGE COQUE MAESTRO / LIGHTING
		DDF ELC 053 011	CIRCUIT DE PUISSANCE 24 V / 24V POWER
		DDF ELC 053 012	CIRCUIT DE DISTRIBUTION 24 V / 24 V DIAGRAM
		DDF ELC 053 060	CIRCUIT 220 V / 220 V POWER

