

# **OWNER'S MANUAL**

# FEELING 36 EC design category A

European Directive 94/25/EC 10 octobre 2001 edition

- 5 Fresh water system
- 6 Grey & black water system (option)
- 7 12 V DC / 230 V AC system (option)
- 8 Electrical system 12 V DC
- 9 Electrical system 230 V AC (option)
- 10 Electrical panel
- 11 Engine
- 12 Gas system
- 13 Exits & extinguishers
- 14 Rudder system
- 15 Center board

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## **DRAWINGS**

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- 6 Grey & black water system (option)
- 7 12 V DC / 230 V AC system (option)
- 8 Electrical system 12 V DC
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# INTRODUCTION

Dear Madam, Dear Sir

Welcome aboard and welcome to the happy family of owners of a KIRIE

This manual was compiled by **KIRIE** to help you enjoy your boat in complete safety. Read it carefully in particular the sections on fire prevention and flooding and familiarize yourself with your boat before using it.

If this is your first sailing boat or if you are changing for a type of vessel with which you are not familiar, for your comfort and safety, make sure you get hand over and operating experience before taking command of your vessel. Your dealer, your national sailing federation or your sailing club will be only too happy to recommend local sailing schools or competent instructors to you.

KEEP THIS MANUAL IN A SAFE PLACE AND HAND IT OVER TO THE NEW OWNER IF YOU SHOULD SELL THE VESSEL.

N.B.: Our boats are regularly improved in line with feedback from our customers and research carried out by our yard, therefore the specifications provided in this owner's manual are not contractual and are subject to modification without notice or obligation to update the manual.

The object of this manual is to cover a maximum of information and it is possible that some equipment or paragraphs do not concern your boat. In case of doubt, refer to the inventory which was supplied with your order.

#### 1. EC DESIGN CATEGORY

Your **FEELING 36** falls in the DEEP SEA design category (category A) of European Directive 94/25/EC relative to the design and construction of recreational craft. Your boat is therefore designed for sailing, in normal conditions of use, in wind strengths exceeding force 8 on the Beaufort scale and significant wave heights of over 4 m.

This navigational capacity also depends on the competence of the crew, its physical capacity and the maintenance of the boat and its equipment.

**KIRIE** cannot guarantee the perfect operation of the boat in exceptional sea states (thunder storms, hurricanes, waterspouts, etc...)

Be very vigilant before putting to sea.

#### EC DESIGN CATEGORIES

EC category	Navigational types	Wind force (Beaufort)	Wind speed	Significant wave heights
A	. Deep sea	Over 8	Over 75 km/h	Plus de 4 m
В	Offshore	Up to 8 incl.	Up to 75 km/h	Up to 4 m incl.
C	Coastal	Up to 6 incl.	Up to 49 km/h	Up to 2 m incl.
D	Protected waters	Up to 4 incl.	Up to 28 km/h	Up to 0.5 m incl.

# 2. TECHNICAL CHARACTERISTICS OF THE BOAT

Model: Architect

EC design category

N° of notified organization

Hull length: Waterline length: Maximum beam:

Fixed keel Draft: Ballast:

Lightship displacement:

Draft: Dériveur

Ballast:

Lightship displacement:

Mast clearance

FEELING 36

JOUBERT NIVELT

CE/0607

10.80 m

9.90 m

3.62 m 2.00 m

1975 kg

6200 kg 0.76/2.16 m

3084 kg 7300 kg

15.70 m

Maximum load capac
--------------------

Weight of crew	10 x 75 kg
Stores	8 x 25 kg
Fuel	120 kg
Fresh water	370 kg
Life raft	70 kg
Miscellaneous	490 kg
Maximum LOAD	2000 kg

Displacement (laden) - displacement (light) = Maximum LOAD Any excess load decreases the stability and Increase the risk of water ingress.

EC design category	A	В	C
Number of people	8	8	10
Maximum recommanded load (kg)	2000	2000	2000

68,40 m<sup>2</sup> Sail area: 13.51 m I: 4.04 m J: 12.50 m P: 4.20 m E: 3701 Fresh water tank: 1501 Fuel tank: Engine battery: Service batteries:

Maximum engine power (in-board):

30 kW

GV 31.20 m<sup>2</sup> Génois 37.20 m<sup>2</sup>

# 3. BAILING AND PLUMBING SYSTEM

#### 3.1. Bailing system

Ensure that bilge pumps are in working order before putting to sea. Familiarize yourself with the bilge pump system :

- locate the hand pump and its lever,

- locate the electric bilge pump switch on the electrical panel.

Regularly clean the bilge and the electric pump filter.

### 3.2. Pressurized freshwater pump

The sink and washbasin are supplied with freshwater by an electric pump. A filter is fitted downstream of the pump, it should be regularly cleaned.

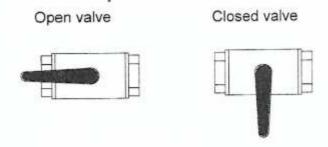
Never run the pump if the tank is empty.

## 3.3. Cocks

Sea cocks are of the 90° type:

- OPEN position: lever in line with body of cock,

- CLOSED position : lever perpendicular to body of cock.



#### WARNING!

- Never change tightness of hull sea cocks. In the event of leaks consult a specialist.
- In foul weather or when leaving your boat, close all plumbing system sea cocks.
- Keep sea cocks closed when not in use.
- During winter lay-up, clean and rinse skin fittings and cocks. Inspect brass accessories, light corrosion is normal.
- In case of more serious corrosion, consult your dealer.

#### 3.4. Operation of marine toilets

- Open the raw water inlet cock.
- Open the discharge cock of bowl.
- Put the lever in the "FLUSH" position.
- Work the pump.
- To empty the bowl and avoid any slopping of water when heeling, place the lever in the "DRY BOWL" position.
- Work the pump until the bowl is empty.
- When the toilet is not being used, put the lever in the "DRY BOWL" position.
- Close the sea cocks after use, the toilet being located under the waterline.

#### 4. FLOODING

### Prevent risk of flooding boat:

- Check that port-lights, deck hatches are closed before putting to sea.
- When under sail, close all sea cocks, except for the engine raw water intake.
- Do not exceed the recommended maximum load
- Periodically check:
  - The watertightness of sea cocks and hoses.
  - That self draining cockpit is draining correctly.
  - The watertightness of the propeller shaft seal .

# 5. ELECTRICAL SYSTEMS

# 5.1. Safety and user instructions for the electrical system.

### IMPORTANT:

#### Always:

- Check the state of batteries, electrolyte and charge before each time you put to sea.
- Disconnect and remove batteries for the winter lay-up
- Maintain battery voltage over 10.5V during winter lay-up.
- Carry spare bulbs for all navigation and interior lights.
- Check that navigation lights are working before night passages.

#### Never:

- Work on a live electrical installation.
- Modify an installation and its wiring, unless it is carried out by a qualified

### marine

electrician

- Change or modify the breaking capacity of tripping devices.
- Replace electrical equipment by components exceeding the prescribed capacity

without resetting the conductors and their tripping devices.

# 5.2. Fitting new equipments

Since January 1, 1996, electrical equipment is subjected to European Directive "electromagnetic compatibility" (Ref 89/336/CEE). It is therefore necessary to fit new equipment complying with this standard carrying the CE mark. The equipment should also be supplied with a certificate of compliance and an instruction notice.

When fitting these appliances, respect the fitting instructions (wire gauges, protection).

To avoid having maintenance problems, mention any modifications to the wiring diagram in the owner's manual.

#### 5.3 Batteries

Battery capacity was designed to meet the energy needs of on board accessories. To avoid any problems, batteries should be correctly charged and maintained.

#### IMPORTANT:

When you fit new electrical equipment, make sure that the overall consumption of this equipment remains in line with the capacity of your batteries.

# 5.4 220/110 Volt installation

The boat's 220 V or 110 V installation is protected by a circuit breaker and differential device. The wiring of 220 V or 110 V accessories on board should be carried out by a specialist with resetting of the main circuit breaker if necessary.

## WARNING TO REDUCE THE RISKS OF ELECTRIC SHOCK AND FIRE

- -1 Cut shore power with the ship board circuit breaker before connecting or disconnecting the ship/shore extension cable.
- -2 Connect the ship/shore extension cable at the boat end before connecting to the shore plug.
- -3 Disconnect the ship/shore extension cable firstly at the shore end.

#### 5.5 Electric windlass

#### IMPORTANT

When using the electric windlass, it is necessary to run your engine at a fast idle.

# 6. PROTECTION AGAINST LIGHTNING

Your boat is protected against lightning. The rigging is electrically connected to the ground. However you should respect some precautions.

# 6.1. Maintenance

If the boat is struck by lightning:

- The tripping devices should be inspected to detect material damage and to check that they still operate, and that the grounding system is still intact.
- Compasses, electrical and electronic equipment should be examined to determine whether damage has occurred or whether any changes in settings have happened.

# 6.2. Protection of people during a thunderstorm

#### PRECAUTIONS:

During a thunderstorm, the following instructions should be respected:

- As far as possible people should remain inside the boat.
- People should not be in the water nor let arms or legs hang in the water.
- Whilst ensuring satisfactory control of the boat and her navigation, people should not touch any part connected to a device protecting against lightning, especially not in a way to complete a circuit of such parts.
- It is recommended that all people avoid any contact with metallic rigging parts, spars, fittings and guard rails.

#### 7 ENGINE

### 7.1 Engine maintenance

It is necessary to carry out regular servicing according to manufacturer's instructions.

Carefully read the engine instruction manual which accompanies the boat. Do not hesitate to consult your dealer.

Take particular notice of winter lay-up instructions. In the absence of instructions, proceed as follows:

- Close the engine raw water inlet cock,
- Disconnect the raw water inlet hose from the cock,
- Drain the engine cooling system,
- Plunge the hose in a drum of -25°C permanent cooling liquid.
- Run the engine until liquid is discharged from exhaust.
- Re-connect the hose on the cock when the operation is finished.
- Put a notice on the electrical panel and at the battery switches indicating that the engine raw water inlet cock is closed.

#### 7.2 Emission of exhaust gases

#### DANGER!

Internal combustion engines produce carbon monoxide. Prolonged exposure to exhaust gases can cause grave sequels, or even death.

# 7.3 Safety

#### PRECAUTIONS!

In all situations adapt the speed of your boat to the surrounding conditions and maintain a margin of safety. Pay particular attention:

To the state of the sea, the currents, and to the strength of the wind.

To the traffic.

To harbor maneuvers.

When passing through anchorages.

Avoid to engine sail under sails

#### 8. FUEL SYSTEM

#### WARNING!

#### Never:

- Stow inflammable material in a non ventilated space.
- Smoke when filling tanks.
- Obstruct ventilation orifices (vent, engine ventilation grille).

## 9. GAS SYSTEM

# 9.1 Recommendations on use

- Carefully read the instruction notice of the cooker and regulator.
- Appliances burning combustible materials consume cabin oxygen and reject combustion gases into the boat. Ventilation is necessary when the appliances are in operation. Open the coachroof port-lights when cooking.
- Do not use the cooker as a heater.
- Do not obstruct quick access to elements of the gas system (tank locker, shut-off valve).
- Never leave the boat unattended when gas appliances are operating.
- Close all system valves when the boat is not occupied (shut off valve, regulator valve), even when the tank is considered to be empty.
- Never smoke when going down below after the boat has been closed up, ensure that there is no odor of gas.
- If you smell gas, close the valves of the system and those of the cooker, ventilate the boat and look for the leak.

#### IMPORTANT

Gas system valves should be immediately closed in an emergency..

# 9.2 Checking the system

- The gas system should be periodically checked :
  - Close all cooker valves.
  - Open the cooker supply valve and that of the regulator.
  - Check gas tightness of all connections with a leak detection device or by applying soapy water.

#### WARNING!

Do not use solutions containing ammonia.

#### DANGER!

Never use a flame for detecting gas leaks.

Repairs should be carried out by a competent person.

# Flexible hoses should be:

- regularly checked, at least once per year,
- replaced if a change by date is inscribed on the hose,
- replaced in case of deterioration.

# 9.3. Changing the gas tank

#### DANGER!

- Close the cooker valves and the one found before the cooker.
- Do not smoke, or use a naked flame when changing the gas tank.

### 10. FIRE PREVENTION

### 10.1. Installation

- Extinguishers are subject to national regulations, for this reason your boat could be delivered without.
- We invite you to equip your boat with extinguishers, in compliance with ISO 9094-1, according to the following conditions:
  - a) Minimum capacity per extinguisher: 5A/34 B,
  - b) Minimum combined capacity of extinguishers: 8A/68B,
  - c) this extinguishers will be located:
    - at less than 2.5 m from the helm position,
    - at less than 2 m from the cooker,
    - at less than 5 m from the berths,
  - d) 1 extinguisher per engine room .

Only compatible replacement parts should be used for the fire fighting systems. They should carry the same indications and be technically equivalent.

# 10.2. Safety instructions

#### IMPORTANT:

It is the responsibility of the owner/captain:

- To have the fire fighting equipment checked according to manufacturer's instructions and the regulations of each country.
- To replace the fire fighting equipment if is outdated or discharged, by extinguishing equipment of equal or superior capacity.
- To inform the crew:
  - About the location and operation of fire fighting equipment.
  - · About the location of the engine compartment discharge hole

#### Never:

- Obstruct passages to emergency escape exits (deck hatches).
- Obstruct safety controls (gas and fuel valve(s), electrical switches).
- Obstruct lockers containing extinguishers.
- Leave the boat unattended with a cooker or heater running.
  - Refill a fuel tank or change a gas tank when the engine, cooker or heater are running.
- Smoke when handling fuel or gas.
- Never hang drapes or curtains loosely close to a cooker or other naked flame appliance.
- Stow combustible products in the engine compartment.

Always keep the bilges clean and check that there is no presence of fuel or gas vapors.

#### WARNING!

- Extinguishers operating with CO2 should not be used to fight electrical fires.

 After extinction of a fire, do not open the engine compartment immediately to avoid any emissions of toxic smoke and the projection of burning products (oil, water).

### 11. STEERING SYSTEM

The steering system is an essential element for the safety of your boat.

## 11.1 Steering wheel

The Feeling 36 is equipped with a steering wheel with a draglink system.

Periodic checks to carry out:

- Check the play in the different elements (rudder stock/bearings, drag link pins).

In case of doubt or problems, consult your dealer.

### 11.2. Emergency tiller

#### IMPORTANT:

The **Feeling 36** is equipped with an emergency tiller which should remain easily accessible.

To use it:

- Remove the caps located on the helmsman seat and under the life raft.
- Fit the tiller on the head of the rudder stock.

Fit the emergency tiller **right now** to see how the system works **before** you get caught in a situation where you may not have time!

#### 12. SAFETY

12.1 Reefing

To limit all risk of capsizing, the sail area will be reefed according to the wind but you should also take into account elements other than wind :

- state of sea.
- comfort and capacity of crew,
- squalls or fog.

12.2 Man over board

Your boat is equipped with swim ladder on transom, use it to reboard a man.

12.3 Life raft

Keep the life raft clear.

Life raft should remain easily and rapidly accessible.

# 13. SAFETY EQUIPMENT

Compulsory safety equipment is not harmonized within the European Community. It is your responsibility to inquire about current national regulations for EC marked boats.

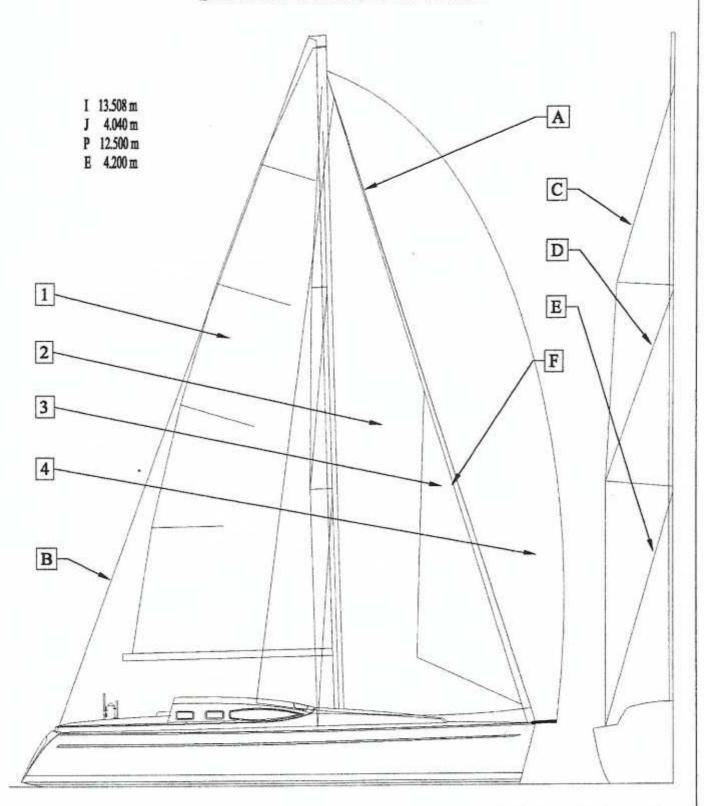
# 14. PROTECTION OF THE ENVIRONMENT

#### WARNING!

- Most maintenance products, engine oils and hydrocarbons are not neutral to the atmosphere, so they must be discharged in regulation places (inquire with the harbor office).
- Do not operate the bilge pump when there is oil or hydrocarbons present in the engine compartment because they should be discharged in the regulation places.
- Certain products can also be a hazard to your health and to others, this is why it is important to read and respect instruction notices.
- Substances used should be labeled and stowed in an appropriate place in the boat.

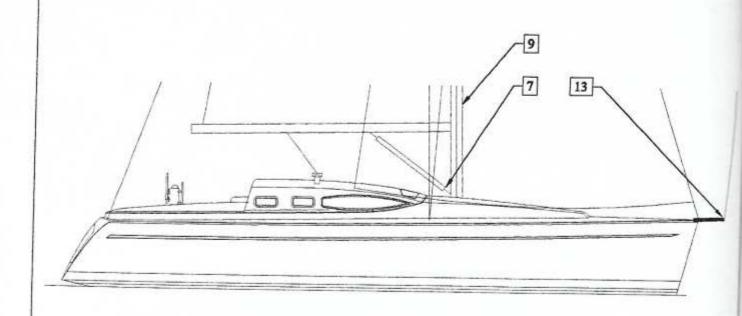
# DRAWINGS

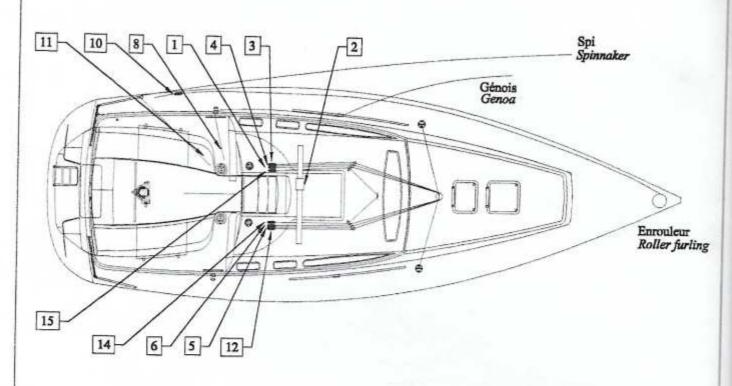
# FEELING 36' 1 - VOILES & GREEMENT DORMANT SAIL PLAN & STANDING RIGGING



	VOILURE / SAIL		GREEMENT DORMANT / STANDING RIGGING			
Rep.	Désignation / Designation	Surface / Area	Rep.	Désignation / Designation	Diamètre / Diameter	
1	Grand-Voile / Main Sail	30 m²	A	Etni / Forestay	8 mm	
2	Génois (135%) sur enrouleur / Furling genoa 135%	36 m³	В	Paterns / Backstay	6 mm	
3	Tourmentin (Option) / Storm jib (Option)	7 m²	C	Galhanbans / Shroud	8 mm	
4	Spi assymétrique (Option) / Assymetrical spinnaker (Option)	83 m³	D	Intermédiaires / Inter	6 mm	
			E	Bes-haubans / Lower shroud	8 mm	
			F	Etai largable (Option) / Removable stay (Option)	7 mm	

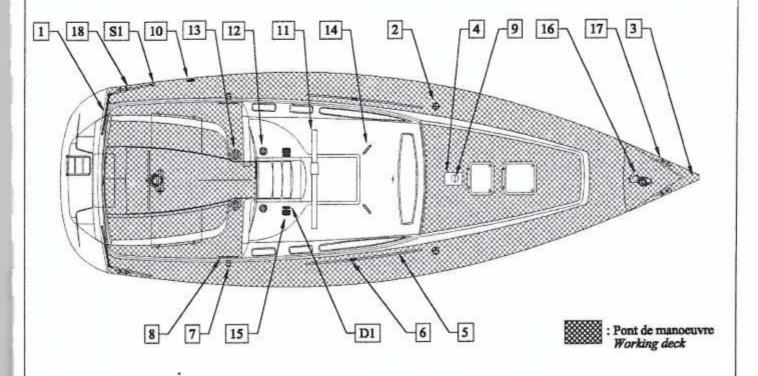
# FEELING 36' 2 - GREEMENT COURANT RUNNING RIGGING





GRAND VOILE MAIN SAIL		GENOIS GENOA		SPI ASSYMETRIQUE ASSYMETRICAL SPINNAKER			
Rep.	Désignation / Designation	Rep.	Désignation / Designation	Rep.	Désignation / Designation	Rep.	Désignation / Designation
1	Ecoute / Sheet	8	Ecoute / Sheet	11	Ecoute / Sheet	14	Descente / Down
2	Chariot / Car	9	Drisse / Halyard	12	Drisse / Halyard	15	Relevage / Up
3	Drisse / Halyard	9/2/1	Bosse d'enrouleur	13	Pt. d'amure / Spinnaker tack	1.0	Activage / Up
4	Ris 1 / Reef line I	10	Furling line	1.5	- a diameter operationer tack		
5	Ris 2 / Reef line 2					-	
6	Bordure / Outhoul					-	
7	Hale-bas / Kicking strap			_		-	

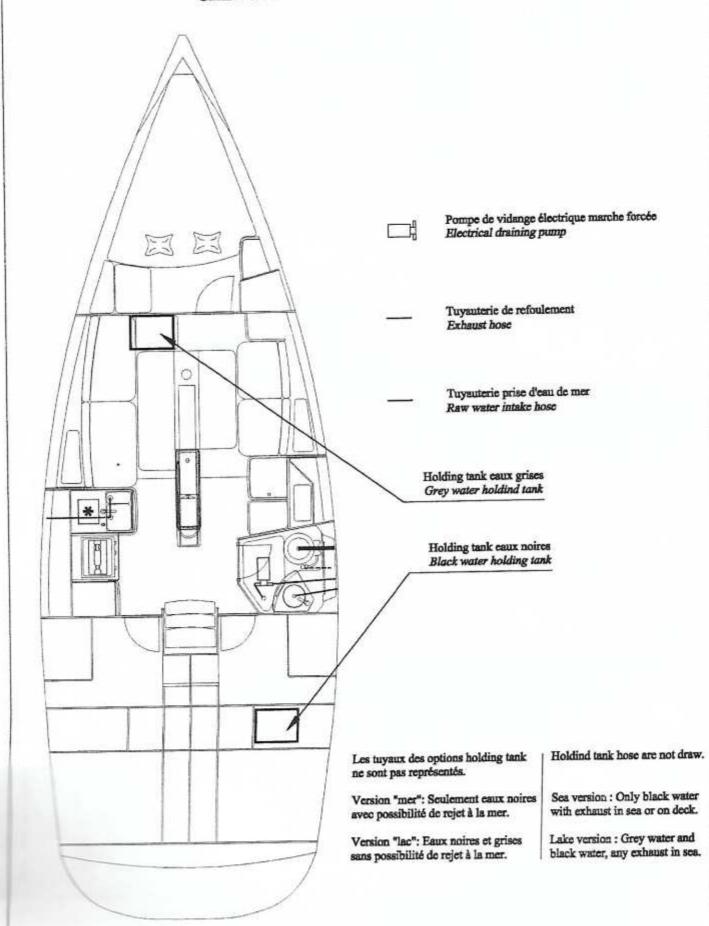
# FEELING 36' 3 - ACCASTILLAGE DECK FITTINGS



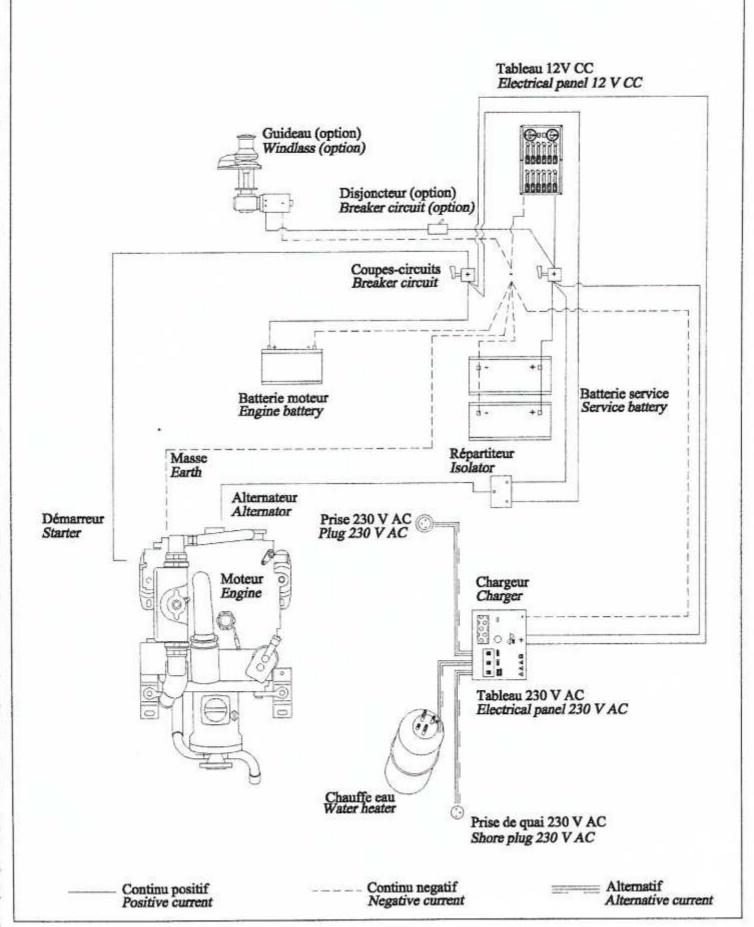
### \* : Figure à Babord et à Tribord / Port & starboard

MAT MAST		MANOEUVRES DECK ORGANIZER		AMARRAGE MOORING		OPTIONS OPTIONS		
Rep.	Désignation / Designation	Rep.	Désignation / Designation	Rep.	Désignation / Designation	Rep.	Désignation / Designation	
111	Cadènes pataras / Backstay fitting	-	Génois / Genoa	16	Guindeau (opt.) / Windlass (opt.)	-	Dériveur / Center board	
2	Cadènes haubans / Chain plate	5	Rail en T / Track *	17	Taquet av. / Fwd mooring cleat	D1	Bloqueur XA1 / XA1 stopper	
3	Latte d'étai / Forestay fitting	6	Avale tout / Fairlead *	18	Taquet ar. / Aft mooring cleat	-	Spi assymétrique / Assymetrical sp	
4	Emplanture måt / Mast step	7	Poulie simple / Turning block *			S1	Poulie simple / Spi. sheet block	
		8	Martyr / Rub strake*					
		9	Bloqueur sur måt / Stopper on mast					
		-	Enrouleur / Roller furling					
		10	Bloqueur XA1 / XA1 stopper					
		-	Grand voile / Main sail					
		11	Barre d'ecoute / Main track				Torres and the second	
		-	Winchs / Winches					
		12	32.2 STA / Halyards 32.2STA *					
		13	44.2 STA / Genoa sheet 44.2 STA					
		-	Organisation / Organizer					
		14	Boite 4 réas / 4 sheaves *					
		15	Bloqueur XA3 / XA3 stopper					

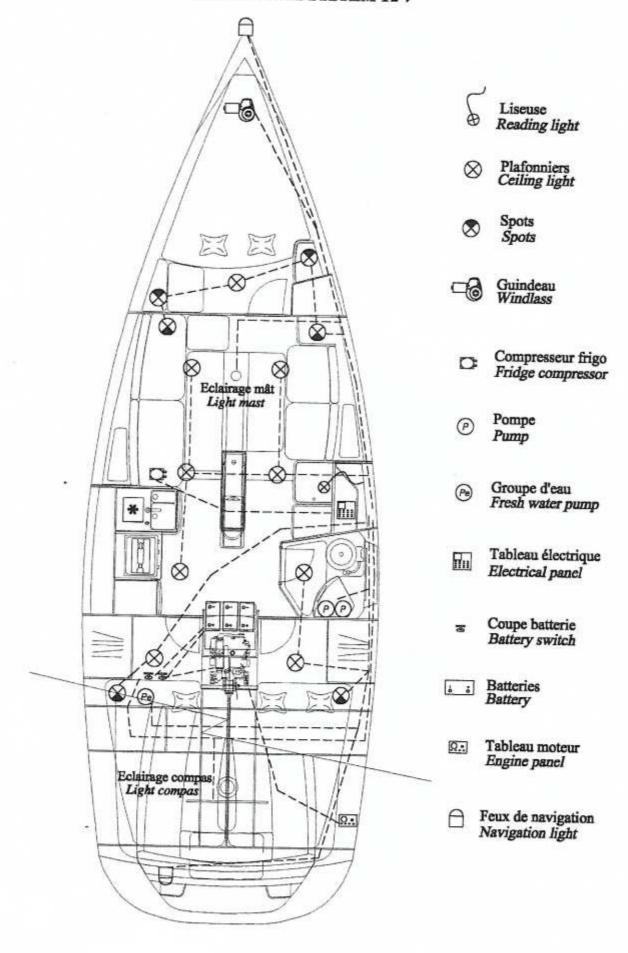
# FEELING 36' 6 - CIRCUIT EAUX GRISES & EAUX NOIRES (Option) GREY WATER & BLACK WATER (Option)



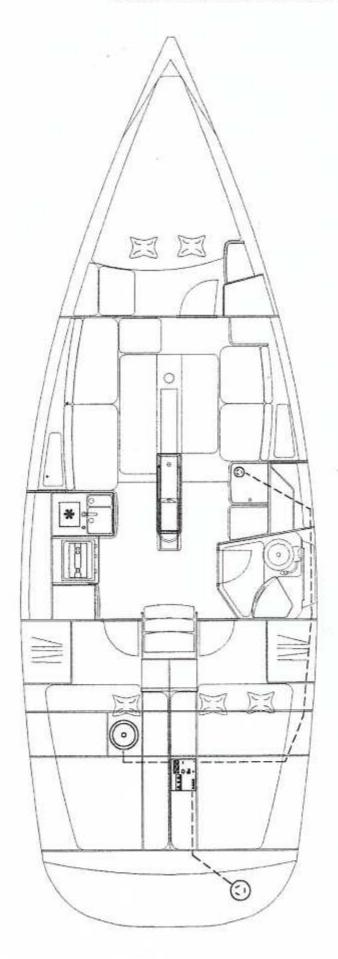
# FEELING 36' 7 - CIRCUIT DE CHARGE 12V /220V WIRING DIAGRAM 12V/220V



# FEELING 36' 8 - IMPLANTATION ELECTRIQUE 12V ELECTRICAL SYSTEM 12 V



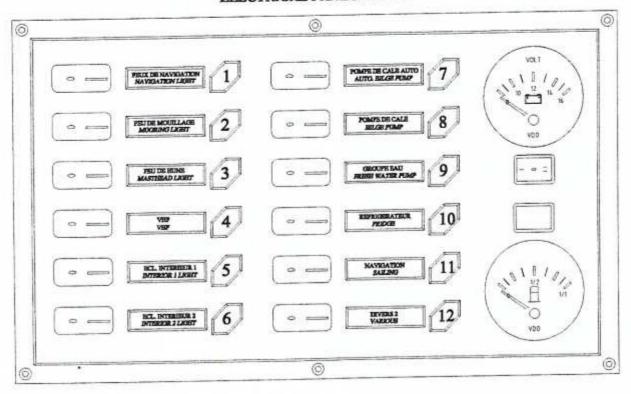
# FEELING 36' 9 - IMPLANTATION ELECTRIQUE 220V ELECTRICAL SYSTEM 220 V



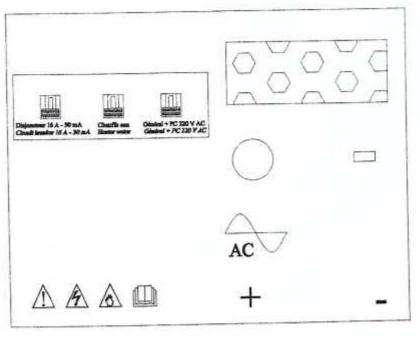
- O Prise de quai 230 V AC Shore plug 230 V AC
- Prise 230 V AC Phug 230 V AC
- Chargeur + disjoncteur
  Charger + breaker
- Chauffe-eau
  Heater water

# FEELING 36' 10 - TABLEAUX ELECTRIQUES 12V / 220V ELECTRICAL PANELS 12V / 220 V

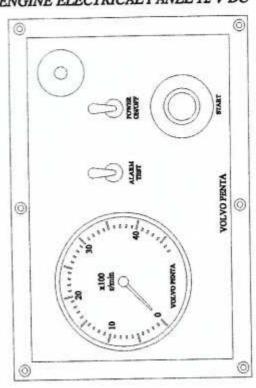
### TABLEAU 12 V CC ELECTRICAL PANEL 12 V DC



#### TABLEAU 230 V AC ELECTRICAL PANEL 230 V AC



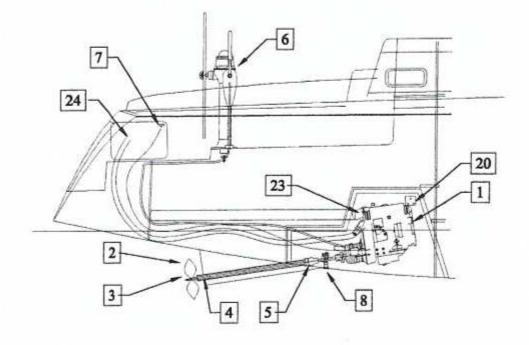
## TABLEAU MOTEUR 12 V CC ENGINE ELECTRICAL PANEL 12 V DC

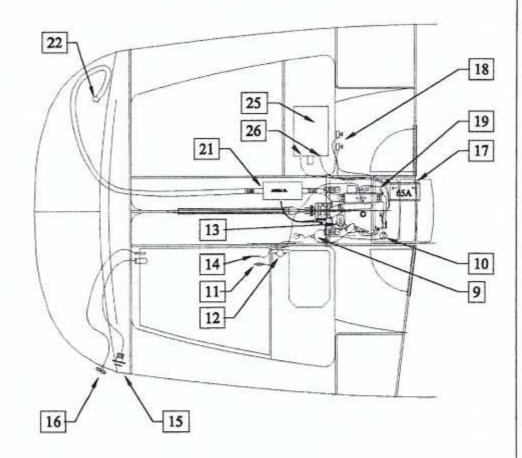


# FEELING 36' 11- MOTEUR ENGINE

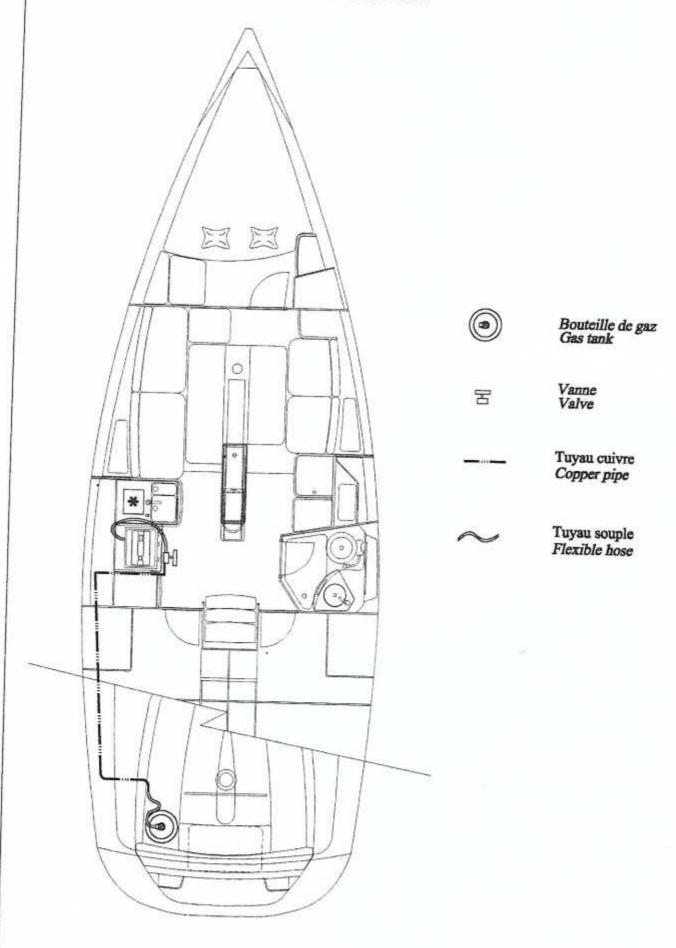
- 1 Moteur Engine
- 2 Hélice Propeller
- 3 Anode
- 4 Bague hydrolube Cutlass bearing
- 5 Joint tournant Stuffing gland
- 6 Commande moteur Control lever
- 7 Stop moteur Engine stop
- 8 Vanne prise cau de mer Raw water intake
- 9 Filtre eau de mer Raw water filter
- 10 Case siphon Siphon breaker
- 11 Vanne gasoil Fuel shut-off valve
- 12 Pré-filtre GO Fuel filter
- 13 Filtre GO Engine fuel filter
- 14 Retour GO Fuel return
- 15 Nable de pont GO Fuel deck plate
- 16 Event réservoir GO Fuel tank event
- 17 Batterie moteur Engine battery
- 18 Coupe batterie

  Battery switch
- 19 Alternateur Alternator
- 20 Répartiteur de charge Isolator
- 21 Waterlock Mufler
- 22 Sortie d'échapement Exhaust
- 23 Filtre à air Air filter
- 24 Gaines d'aération Vent pipes
- 25 Chauffe eau Water heater
- 26 Prise eau chaude moteur Engine hot water outlet

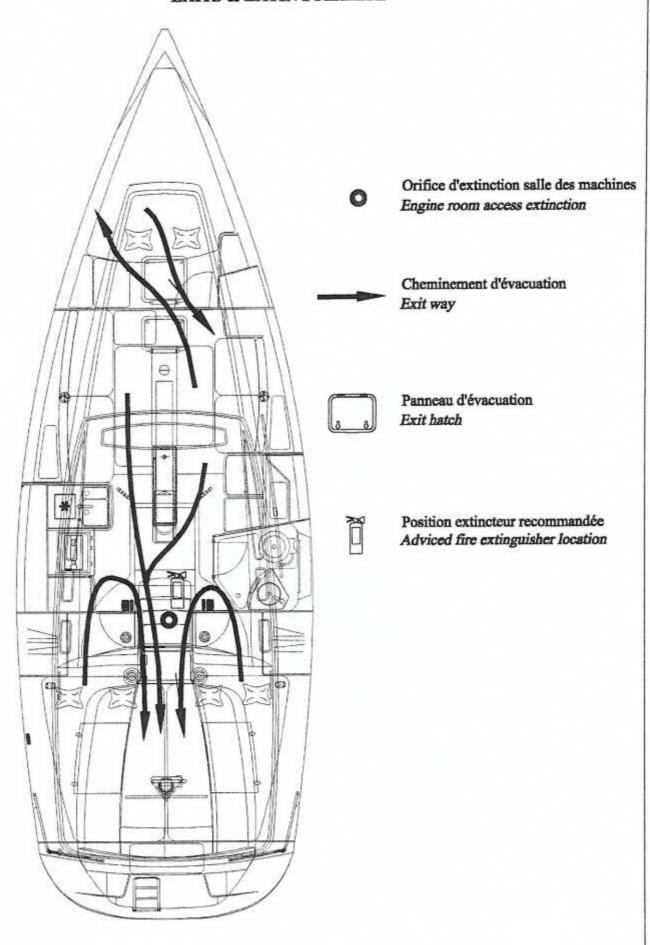




FEELING 36'
12 - GAZ
GAS SYSTEM

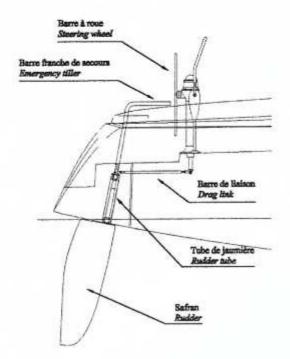


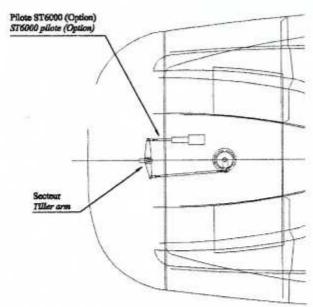
# FEELING 36' 13 - EVACUATIONS & EXTINCTEURS EXITS & EXTINGUISHERS



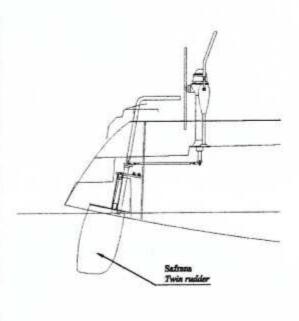
# FEELING 36' 14 - GOUVERNAIL RUDDER SYSTEM

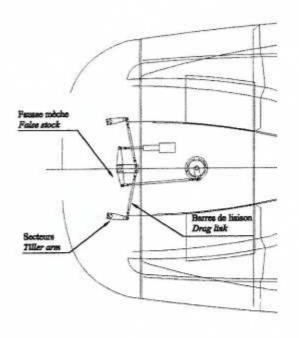
# Version quillard Keel version



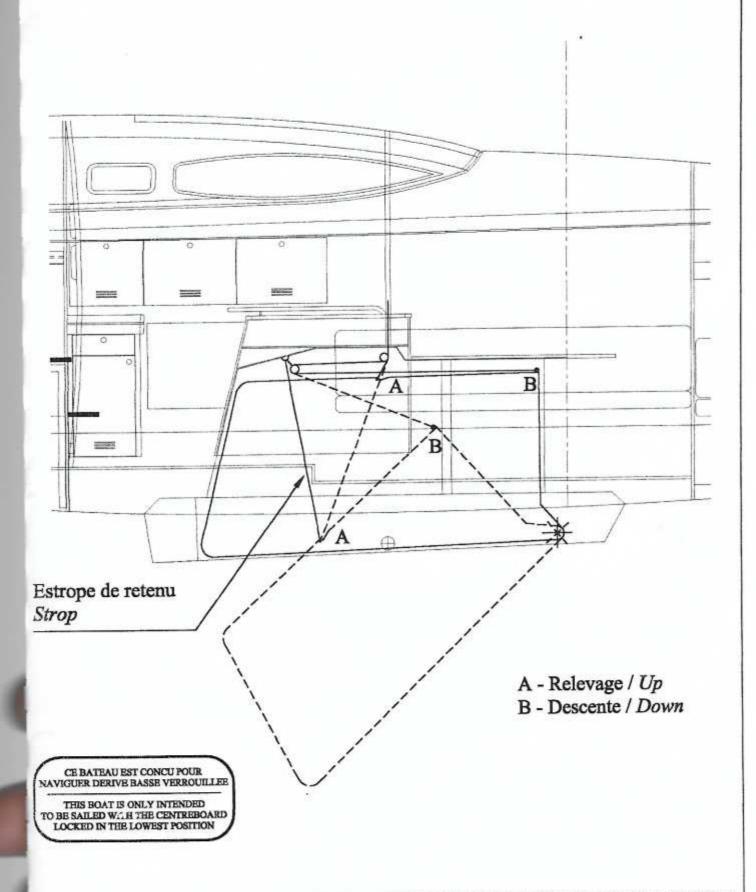


# Version dériveur int. Center board version





# FEELING 36' 15 - MANOEUVRE DERIVE CENTER BOARD



IN NAVIGATION LA DERIVE DOIT ETRE EN POSITION BASSE AVEC LE BOUT DE DESCENTE BLOQUE.

WHEN SAILING CENTER BOARD SHOULD BE DOWN AND HAUL DOWN LINE TO BE SECURED.