

ENED EDGE TOOLS.

8.2.- CABINET CLEANING

Clean the inside of the cabinet with a sponge and bicarbonate of soda solution, taking particular care in cleaning the door gasket, the grills and the evaporator. Rinse with water and dry with a soft cloth.

8.3.- CONDENSER CLEANING

Check that the air intake and outlet are clear of loose objects. Switch off the Frigomatic equipment before cleaning the condenser and the fan using a vacuum cleaner and/or soft brush.

WARNING: Please take care not to bend the condenser fins (on air cooled models).

For the Frigomatic "W", close the water intake then clean the filter. Check the water filter gasket and replace it when necessary. Reassemble the strainer, open the intake valve and check that the flow is correct and that there are no leaks. For the Frigomatic K check periodically the keelcooler heat exchanger for corrosion, and that it is firmly connected to the negative of the battery. The Keel cooler heat exchanger (both standard and ground plate model) can be cleaned using a brush.

8.4.- PERIOD GENERAL CHECK

Once a year have the unit checked by an authorised Frigoboat Service Dealer for the smooth running.

9 - MINOR PROBLEMS

FIRST.- Wait 1 minute: There is up to 1 minutes delay between power ON and compressor starting. Allow enough time.

Low voltage cut out: The cut out operates when the voltage entering the controller falls below 10.4V(21V).

In case of doubt charge the battery. Then check the voltage during compressor start as wiring faults can cause an artificial voltage drop on start up amperages.

9.1.- THE BOX IS TOO COLD OR THE COMPRESSOR RUNS CONTINUOUSLY

9.1.1.- Turn the thermostat clockwise towards "1". If the box still too cold with thermostat set at "1" then stop the compressor putting the thermo-

stat to "O" or switching off the fridge switch. Use this switch to run the compressor 15 minutes every 1 - 3 hours to keep the box at the normal temperature (+2° to +6°C) - (35°F / 43°F).

Have the unit checked by an authorised Frigoboat Service.

9.2.- THE BOX IS NOT COLD ENOUGH - THE COMPRESSOR RUNS NORMALLY

9.2.1.- Remove any warm food from the box and let it cool down to ambient temperature before storing it again.

9.2.2.- Check the door is perfectly closed and the door gasket fits perfectly and nothing prevents the door gasket to seal.

9.2.3.- Check that the compressor air intake and outlet are clear of obstructions and the condenser is clean.

9.2.4.- When the compressor is running, the fan should run in the air-cooled models and the pump should run and water flow in the "W" models.

9.3.- THE COMPRESSOR STARTS BUT STOPS ALMOST IMMEDIATELY AFTERWARDS

9.3.1.- Check that the voltage is correct, if in doubt charge the battery.

9.3.2.- Check that all of the connections and the fuse in the supply from the battery are well tightened and not corroded.

In winter the compressor temperature should be above 0°C

9.3.3.- Disconnect terminal "F" from the Electronic Controller. If the compressor then runs correctly, check the fan or pump or pump relay as the amperage is too high. As soon as you can, get an authorised Frigoboat Service agent to check the unit.

9.4.- THE COMPRESSOR DOES NOT START

9.4.1.- As above there is a delay between the power on and the compressor start.

Allow at least 1 minute.

9.4.2.- On the Electronic Controller check that: - The voltage between "+" and "-" is 12V (24 V) on compressor start - The thermostat is set on "7".

9.4.3.- Bridge terminal "T" and "C" (thermostat). If the compressor then starts, leave the bridge. Run and stop the system using the external (panel) switch (See 9.1.1). As soon as you

can replace the thermostat as it is broken. If the compressor doesn't start, call the authorised Frigoboat Service.

9.5.- FUSES 12V (24V SYSTEMS INTO BRACKETS)

9.5.1.- Fuse 15A (7.5A) on DC supply (+) from battery located at the yacht panel or at battery main switch. Fuse 3A on pump line (W only). Type 5x30 glass normal fast acting.

Fuse 2A on voltage divider 24-12V (E252400). Type 5x20 normal, glass fast acting (only in 24 V installations).

Fuse 5A on pump interface (E250206). Type 5x20 glass normal fast. (only when a pump is connected to several units W).

12 - ELECTRICAL SCHEMATICS - SCHEMAS ELETRIQUES
ELEKTRISHR PLAN - ELEKTRISCHE SCHEMA'S
ELESHEMA - ESQUEMA ELECTRICOS - SCHEMI ELETTRICI



ELECTRICAL CABLES TABLE

Size mm ² / Awg	max distance			
	12 V		24 V	
	m.	ft.	m.	ft.
2.5 / 14	2.5	8.2	5	16.4
4 / 12	4	13.1	8	26.2
6 / 10	6	19.6	12	39.4
10 / 8	10	32.8	20	65.6

