GENERAL INDEX

INDEX

IMPORTANT

The version of the machine may vary according to the import country.

1.0 IDENTIFICATION

The CE identification plate of the machine is affixed outside the plate casing (see fig. 1).

1.1 MANUFACTURER

WTA srl
Via Virgilio, 3
47100 FORLI' - ITALY
P. IVA 00718330400

1.2 DEFINITIONS

In this handbook, three types of "safety graphics" are used to point out different levels of danger or any other important information:

DANGER

Draws the attention to potentially dangerous situations which may cause serious personal injury.

CAUTION

Draws the attention to potentially dangerous situations which may cause personal injury or material damage.

IMPORTANT

Draws the attention to situations which may cause malfunctioning or damage to the machine.

1.3 TRANSPORT - HANDLING - STORAGE

1.3.1 STORAGE CONDITIONS

The air conditioner is protected against sudden impact by suitable packing consisting of cardboard, polystyrene and a wooden frame support.
The air conditioner should be stored horizontally in a dry and well-ventilated room.

1.3.2 WEIGHT

Gross weight (including packing):

Mod. 1000 ..... Kg 26

Mod. 1300 ..... Kg 28

1.3.3 OVERALL DIMENSIONS

See fig. 2:

	Model 1000-1300
A ..... mm	940
B ..... mm	695
C ..... mm	225
D ..... mm	300
E ..... mm	640
F ..... mm	340

1.3.4 HANDLING

The packed air conditioner can be handled by normal means of lifting and transport.
Boxes are fitted with spacers which enable the use of manual fork-lifts.

DANGER

Strictly observe the accident prevention precautions and safety regulations during lifting and transport, and always use machines with a higher maximum capacity than the load to be lifted.

2.0 INSTALLATION

2.1 AUTHORISED PERSONNEL

The air conditioner shall be installed onto the vehicle -i.e. camping-cars, caravans, motorhomes, only and exclusively by skilled technicians or workshops, authorized by **W.T.A.**

According to the vehicle dimensions and to the real air conditioning needs one or more units can be installed.

If the installation is carried out by non-authorized technicians or workshops, **W.T.A.** disclaims any responsibility for the unit safety and efficient running according to the M.D. 89/392/EC.

DANGER

The instructions given in sections 2.2 are addressed to qualified technicians only.

2.2 MOUNTING THE AIR CONDITIONER

BLIZZARD air conditioners can be installed on openings with following sizes: 35x35 cm. up to 40x40 cm max. It is possible to use an existing air inlet or drill a new one. In such case, make sure that the roof can tolerate the air conditioner weight and, in case, stiffen it suitably.
Remove the skylight cover (fig. 3).

Carefully clean the surfaces around the installation opening, remove any waste, and fill any surrounding hole

or deformation with filler or silicone (fig. 4).

Set the supply mains with 1.5 sqmm section (AC 230V - 50 Hz) close to the roof opening .

Drill a hole on the diffuser surface close to the supply cables (fig. 5).

Lay the diffuser on the opening centre, paying attention that the adjusting grate position corresponds to the running direction (check as well the diffuser correct position from the vehicle interior).

Apply some silicone around the diffuser and between diffuser and roof (fig. 6).

Secure the diffuser to the roof by means of the screws provided, then drill some ø 5 mm holes close to the pre-arranged seats and apply silicone to the diffuser external edge.

Fit the self-tapping screw metal stiffeners into their relevant seats.

Lay the supplied seal around the diffuser edge, paying attention that the seal joint is opposite to the running direction (fig. 7).

Connect the wires to the switch by means of the “faston” provided, and the ground wire by means of a terminal (fig. 8).

CAUTION

Always make sure that cables are not power supplied before connecting them.

Set the closed air conditioner on the roof. Open the upper cover and connect the lower part to the previously mounted diffuser (fig. 9), always taking into account the running direction.

Connect the diffuser to the air conditioner using the connectors provided (fig. 10).

Secure the air conditioner to the diffuser by the six supplied screws (fig. 11).

CAUTION

Secure the base to the vehicle roof using the six screws shown in fig. 11. The remaining holes must be free to allow the condensation water to drain out.

Carefully fix the cover (fig. 12)

Make sure that the fan rotates troubleless (fig. 13).

Then fix the frame within the vehicle by using the predrilled holes as reference point (fig. 14).

3.0 INSTRUCTIONS AND RUNNING

IMPORTANT

The firm does not take any responsability for damages arising from malfunctionings of the air conditioner.

3.1 AIR CONDITIONER DESCRIPTION AND RUNNING

The air conditioner consists of an A.C.-power supplied compressor, which sets the liquid under pressure in a suitable battery (coil) and heats it. Subsequently the liquid is conveyed to a second low pressure “battery” where it expands, absorbs heat and refrigerates the air coming from the radiator.

Air is conveyed to the vehicle through the special fan at adjustable speed.

Temperature can be adjusted by the suitable thermostat.

Latter can supply fresh and dehumified air in summer and warm air in winter (if fitted).

3.2 MACHINE SAFETY

For a safe utilization of the air conditioner, some checks shall be carried out before switching it on:

- Check that the water trap holes are not clogged.
- Check that voltage and frequence given in the identification plate comply with the values required by the local regulations/provisions.
- Check that neither the air inlet nor the air outlet and circulation inside the ducts and the air inlets are hindered.

DANGER

- ***Keep flammable substances like petrol, paints, solvents, etc. away from the air conditioner.***
- ***Do not touch the air conditioner or its connections with wet hands.***
- ***Any check of the electric parts shall be made with engine stopped and by authorized technicians only.***

The air conditioner is manufactured according to the safety rules given in the Conformity Declaration.

4.0 HOW TO USE THE AIR CONDITIONER

4.1 STARTING AND FUNCTION SELECTION (fig. 14 and 15)

1) Ambient thermostat.
2) Double-way switch.
3) Main switch **0/1**.
4) Warm/cold switch (if fitted).

To switch the air conditioner on, push the switch "**3**" to pos. **1**.

4.2 INTERNAL TEMPERATURE ADJUSTMENT

The machine is fitted with an ambient thermostat operated by a blue/red knob. To get the required temperature, it is enough to set the chosen colour to the fixed reference point (pos. **A** fig. 16). By nearing the knob blue area to the reference point (pos. **A** fig. 16), the air temperature decreases, provided that switch (pos. **4** fig. 14) is set to "cold".

By nearing the knob red area to the reference point (pos. **A** fig. 17), the air temperature increases (if fitted), provided that switch (pos. **4** fig. 14) is set to "warm".

IMPORTANTE

The heating function (if fitted) cannot replace the heater of the whole vehicle; it is only designded to warm the ait in cool days.

4.3 AIR CONDITIONER STOPPING

Push the switch "**3"** to pos. "**0**" for the unit stop.

DANGER

Never obstruct the air inlets and outlets.

The air conditioner fitted compressor runs during the refrigerating phase of the unit. If switched off and on at once, it might get damaged. Therefore, it is very important TO WAIT ALWAYS 3 MINUTES AT LEAST before attempting to switch it on again.

IMPORTANT

Always use ground plate fitted sockets.

4.4 UNAVOIDABLE DANGERS

CAUTION

Never introduce your hands or other objects within the air inlet openings.

4.5 IMPROPER USE

The air conditioner shall be installed by skilled and authorized technicians only according to the Manufacturer's instructions.

The air conditioner shall be used only and exclusively for the purposes for which it has been designed and manufactured.

4.6 TROUBLESHOOTING

We have listed below some problems which may occur, along with their respective causes and possible solutions. In the case of problems which are not listed below, please seek advice from an authorised after-sales service centre. We wish to point out that most of the claims we receive are due to improper use rather than to faults of our equipment, and namely:

- Too large vehicle.
- Vehicle walls are not insulated.
- Vehicle with too large windows (in such case, we recommend to use heavy and insulating blinds).
- The vehicle is a camper with a walk-through driver compartment.
- Doors are frequently opened.
- Air comes in from the openings.
- Too many people inside the vehicle.
- Voltage less than 230V.

1 The airco does not start.

Causes and Solutions:

1.1 No power is supplied.
(Check the electric connection).

2 The airco runs, but the compressor does not start.

Causes and Solutions:

2.1 Thermostat with too high temperature.
(Lower the thermostat temperature).

2.2 The ambient air is less than 18°C.
(No solution).

2.3 Switch is not set to "cold" position.
(Set it to cold).

3 The compressor stops running.

Causes and Solutions:

3.1 Low voltage.
(Less than 200V).

3.2 Defective condenser.
(Replace).

3.3 Defective compressor thermal switch.
(Replace).

3.4 Defective thermostat.
(Replace).

3.5 Damaged compressor.
(Replace).

4 The air conditioner does not produce cold enough.

Causes and Solutions:

4.1 The cooling fan of the condensation battery is jammed.
(Set the fan free by mounting the cover correctly).

5 Water infiltrations within the vehicle.

Causes and Solutions:

5.1 Water trap holes clogged.
(Clean them, see fig. 11).

5.2 Frame damaged during the installation.
(Fix it with glue or replace it).

6 The air conditioner does not produce warm enough (if fitted).

Causes and Solutions:

6.1 Switch is not set to "warm" position.
(Set it to warm).

6.2 Thermostat with too low temperature.
(Increase the thermostat temperature).

6.3 Damaged electric resistance.
(Replace).

5.0 MAINTENANCE INSTRUCTIONS

IMPORTANT

Use only genuine spare parts. The air conditioner may get damaged if other than genuine parts having a different quality standard are used.
To make sure that the air conditioner keeps working to maximum efficiency, it is essential that it is properly and regularly maintained. Additionally, a proper maintenance grants the air conditioner a longer lifetime.

5.1 MAINTENANCE OPERATIONS

To grant a good running to your equipment, we recommend you to clean the air conditioner interior once or twice per year.

Before carrying out the operations below, cut the equipment off and wait until its parts get cool.

A) Demount the external cover, clean the heat exchangers (evaporator and condenser) with a brush (or compressed air). Take away any dirt. Pay attention not to damage the heat exchange fins.

B) Check that the water trap holes are not clogged.

6.0 INACTIVITY AND DISMANTLING

6.01 DISMANTLING

If the unit demounting is required, please adress to authorized workshops.

7.00 EMERGENCY SITUATIONS

7.01 DEALING WITH FIRE HAZARDS

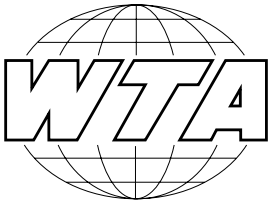
In case of fire, never open the air conditioner case and make use of type-approved fire-extinguishers.

8.0 TECHNICAL DATA

8.1 TECHNICAL SPECIFICATIONS

AIRCO BLIZZARD		1000	1300
Refrigerating yield	Btu	3450	4800
Cooling consumption	W	460	650
Heating capacity (if fitted)	W	600	600
Power supply	V - Hz	230 - 50	230 - 50
Air conditioned	cu.m/h	280	280
Max. air conditioned with insulated walls	cu.m	16	20
Dimensions	mm	940x695x225	940x695x225
Weight	kg	26	28

The above features can be modified without prior notice.



s.r.l.
Via Virgilio 3, 47100 Villanova - Forlì (Italy)
Tel. 0543/754213 - Telefax 0543/756631

AN ELECTROLUX COMPANY

WTA

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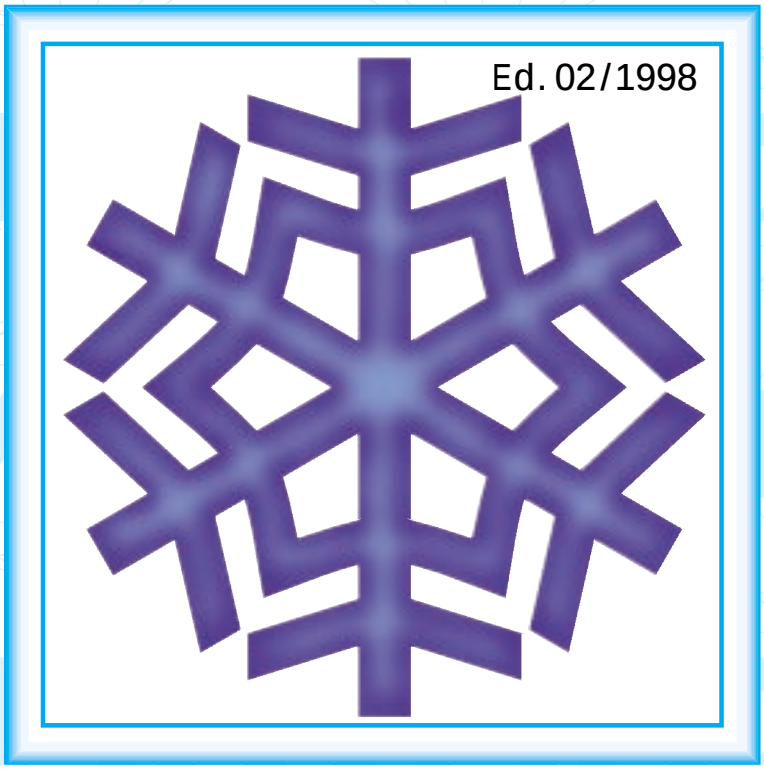
BLIZZARD

1000
1300



Operating and Maintenance Handbook
Libretto Istruzioni Uso e Manutenzione
Bedienungs- und Wartungsanleitung
Bedienings- en onderhoudshandleiding
Livret d'Usage et d'Entretien
Manual de instrucciones de uso y mantenimiento

CE

Read all instructions and advice given in this handbook carefully before use.
Prima di utilizzare il condizionatore leggere attentamente le istruzioni e le indicazioni riportate nel seguente manuale.
Vor dem Gebrauch des Klimaanlage diese Bedienungs- und Wartungsanleitung aufmerksam lesen.
Lees alle aanwijzingen en adviezen in deze handleiding nauwkeurig door voordat u het airconditioningssysteem in gebruik neemt
Avant d'utiliser le climatiseur, lire attentivement les instructions et les renseignements du présent livret.
Antes de utilizar el acondicionador, leer con cuidado las instrucciones y las indicaciones del manual.

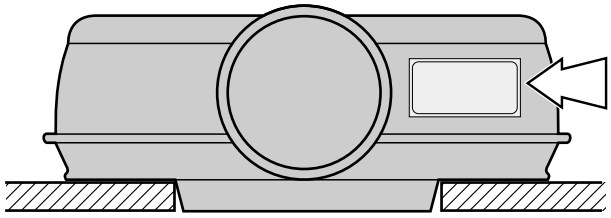


FIG. 1

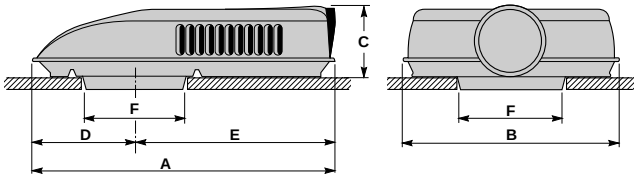


FIG. 2

FIG. 3

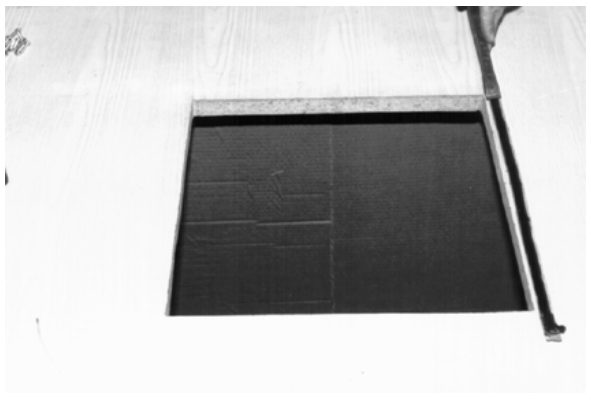


FIG. 4

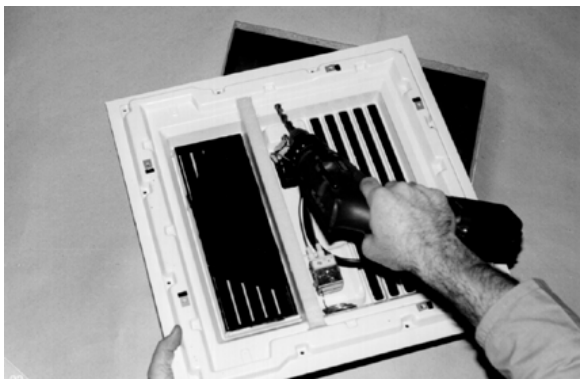
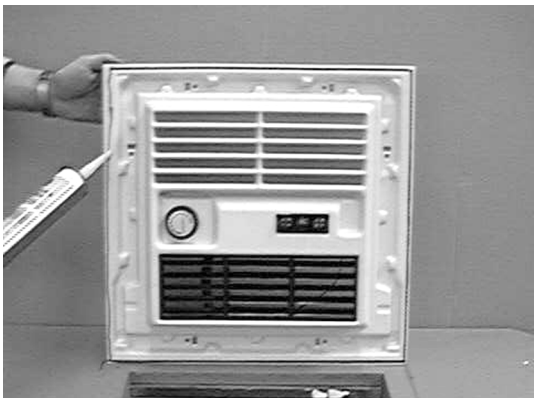


FIG. 5



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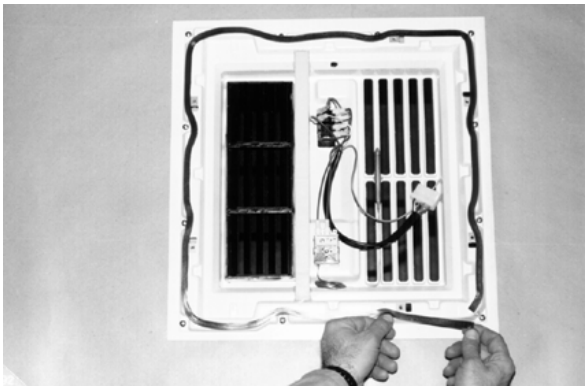

FIG. 7

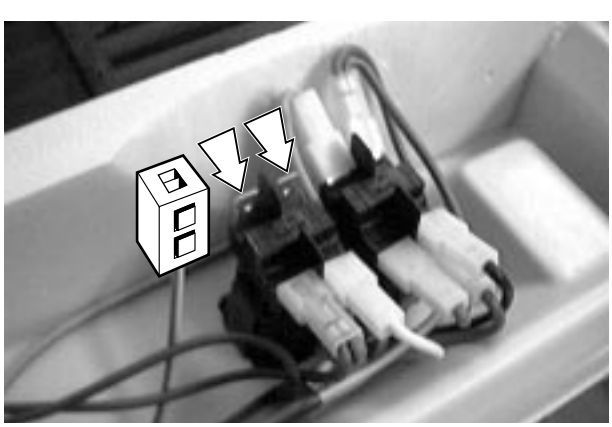

FIG. 8

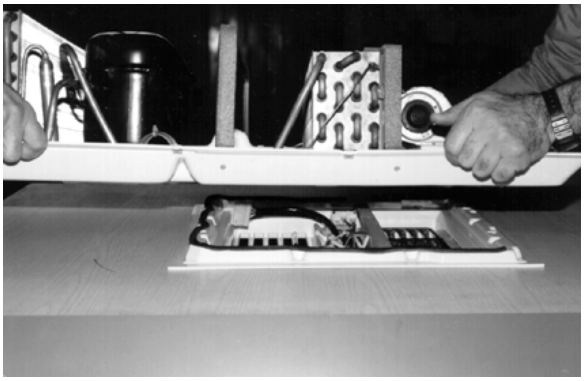

FIG. 9

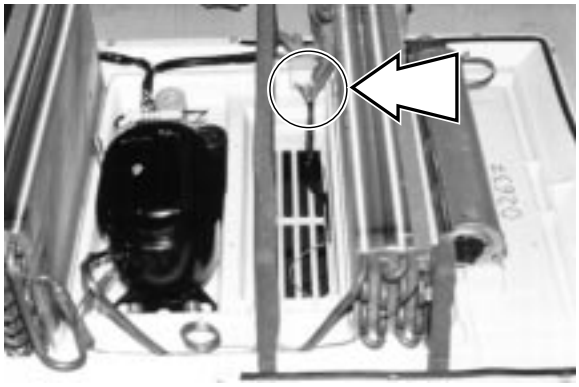

FIG. 10

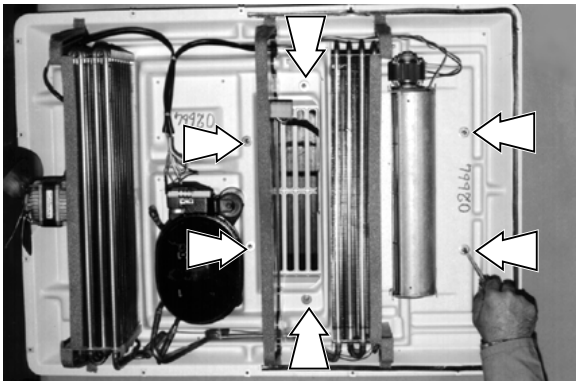

FIG. 11

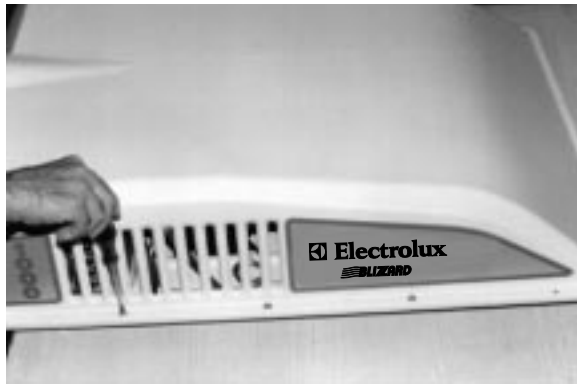

FIG. 12

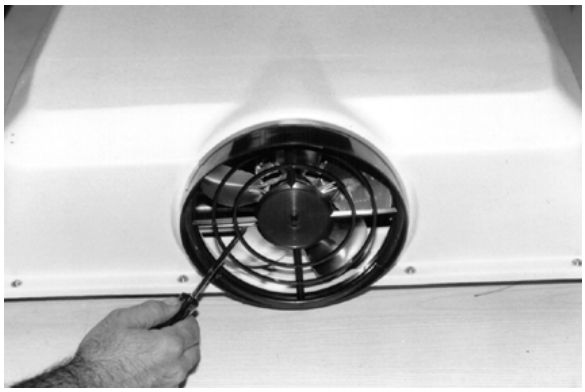

FIG. 13

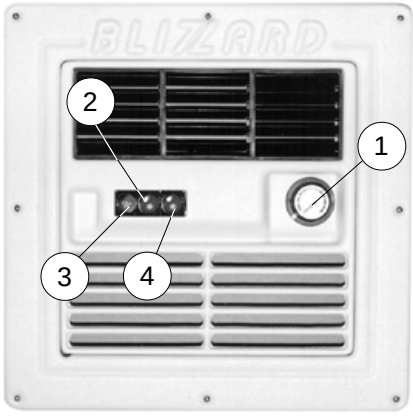

FIG. 14

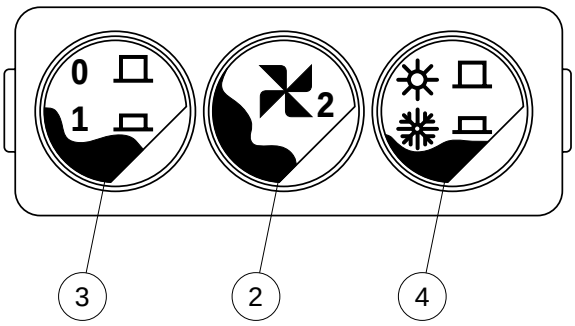

FIG. 15

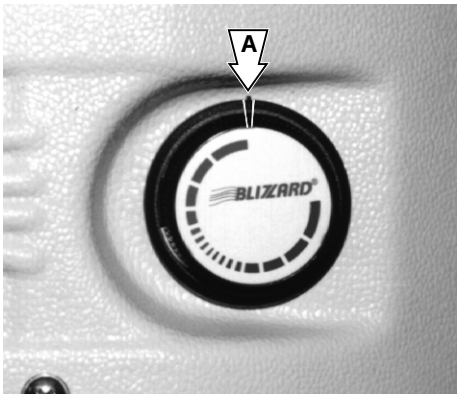

FIG. 16