

USE AND MAINTENANCE MANUAL



FSC25

PAY ATTENTION: when switch over from AUTomatic to CONTinuous functioning using front switch, wait at least one second in position OFF (0); otherwise it's possible to cause the fuse cut off.

Don't move the machine without disconnecting the plug if the tank is not empty



3. USE AND MAINTENANCE

3.1 DESCRIPTION OF THE MACHINE

This machine is a particular air conditioner, mono-block. Cold air is sucked through the front grille, and supplied through the two holes located in the front panel. On these two holes can be put two flexible pipes for creating a spot cooled area.

Hot air is sucked from the back filter and the outlet is on the top. On the neck of the hot air supply can be placed a flexible pipe for bringing far away the hot air.

In the front of the machine, under the two holes for cold air supply, there is the control panel as described below.

The machine includes a 20 litre capacity tank for collecting condensed water. When the tank is full the machine stops.

3.2. FUNCTIONING AND CONTROL PANELS

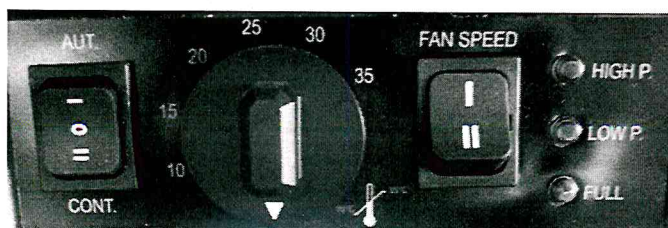
The compressor uses R407c Refrigerant and directly cools the air. The machine includes: one compressor, a thermostatic automatic valve, two motor fans, an automatic functioning thermostat, a defrosting thermostat, a low pressure switch, an high pressure switch, a PCB, and a plug with fuse.

- **FRONT CONTROL PANEL includes:**

An Ambient Temperature Thermostat, located in the front control panel allows to choose the desired room temperature with range 10-35 °C.

A Fan Speed Switch, also located in the front control panel, allows to choose among 2 different internal fan speeds.

A Main Switch allows to choose among: **OFF** position (0 = nothing works) – **AUT** position (the machine is cooling according with preset room temperature) – **CONT.** position (the machine works not depending on thermostat).



- **WARNING LIGHTS:**

Green Light FULL : indicates that the condensed water is full, and machine stops.

High Pressure Red Light: if "ON", it means that pressure inside the refrigerant circuit is too high; manual reset pushing the button in the side connectors panel, removing the electric panel cover;

Low Pressure Red Light: if "ON", it means that there is too low pressure inside the refrigerant circuit; automatic reset.

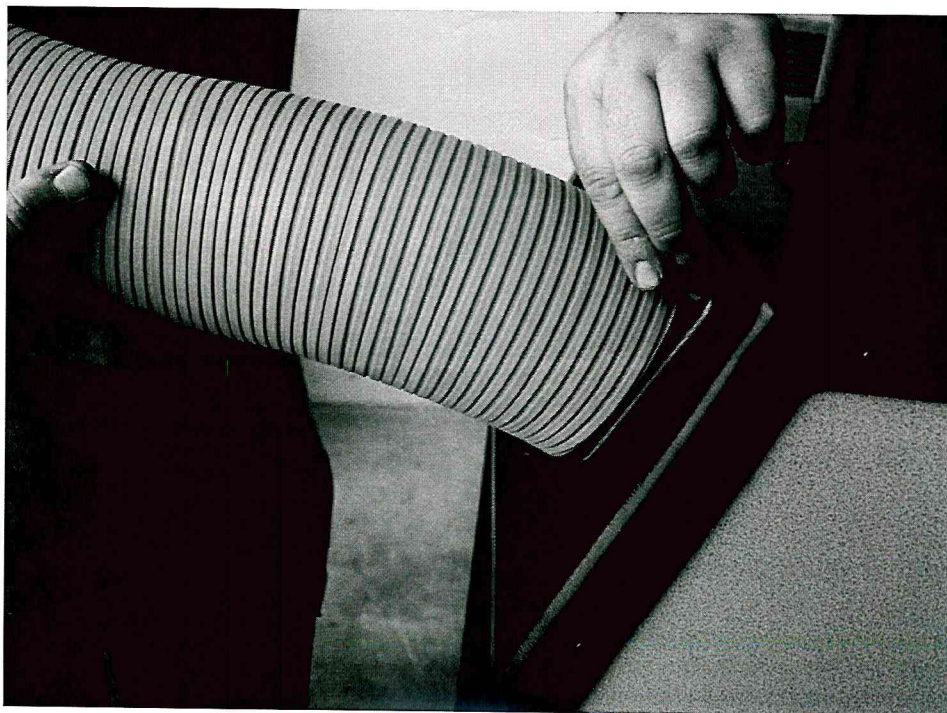
6. TECHNICAL DATA

TECHNICAL DATA:	FSC25
Cooling Capacity (Room Amb. 28°C 55%):	7100 W
Cooling Capacity (Room Amb. 28°C 55%):	24400 BTU/h
Absorbed Power (28°C 55% indoor, 30°C Outdoor):	2350 W
Room Ambiente operating Temperature Range	10 - 38°C
Absorbed Current (28°C 55% indoor, 32°C Outdoor):	11,7 A
Max. absorbed Power (40°C hot zone/32°C cooled zone)	2900 W
Max. Absorbed Current (40°C hot zone/32°C cooled zone)	12,5 A
Cooling Section Air flow:	
Fan speed : - High Speed	1020 cm/h
- Low Speed	800 cm/h
Heating Section Airflow (High/Low speed) - Factory pre-setted	2200/1800 cm/h
High Efficiency Compressor	Rotary
Indoor Unit Noise (at 3m in free field) at low speed	58 dB(A)
Dimensions WxDxH mm:	500x615x1290
Weight	83,5 Kg

Front filter dismounting



Flexible pipe mounting



DECLARATION OF CONFORMITY



(Community directives Low Voltage and Electro-magnetic Compatibility)

FRAL Company s.r.l. Viale dell'Industria e dell'Artigianato 22/c – 35010 Carmignano di Brenta – PD – hereby declares that the following products:

Water Split Air Conditioner
FSC25

Has been designed, manufactured and distributed according to safety and electro-magnetic compatibility to European Norms and Regulations:

MACHINES NORMS (2006/42/CE - 17.05.2006) ;
SECURITY REGULATIONS FOR LOW TENSION APPLIANCES 2006/95/CE - 12.12.2006;
ELECTROMAGNETIC COMPATIBILITY (EMC) – 2004/108/CE – 15.12.2004.

It is hereby certified that this Dehumidifier conform to the:
IEC Regulations **CEI-EN 60335-2-40, CEI-EN 55014-1, 55014-2.**

The machine is built according to RoHS European Norms:
2011/65/UE year 2011 and **CEI-EN 50581.**

Carmignano di Brenta, 21/02/2013

The Legal Agent
Ing. Alberto Gasparini

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