



**It can be used with just one h.p. line**

**Fogging system  
100 bar-1450 psi  
fog module with  
variable flow rate  
from 14 to 130 nozzles**

## Wellbeing

Ambiente F100 is the innovative system produced by Idrotech to cool professional and domestic applications.

Thanks to a revolutionary, high-technology, electronic system, it transforms a humidification equipment into an innovative cooling system.

It is extremely efficient in cooling outdoor areas such as: bars, restaurants, swimming pools, night clubs, theme parks, meeting places.



• **Noiseless**  
• **No vibrations**



Detail of the control panel, with cooling fan and connection to the remote control of fog 100 Ambiente



Detail of the water inlet and outlet of the fog module 100 Ambiente



The "heart" of fog 100 Ambiente. The new software by Idrotech

## Here comes the air-conditioning robot

*It cools, suppresses dust, humidifies and perfumes the environment, transforming a sweltering summer into a pleasant spring.*

It's called fog 100 ambiente: it is an innovative system which transforms a humidification system into an outstanding cooling equipment thanks to its revolutionary, hi-tech, electronic system.

The water nebulization is instantaneously modulated. This is the latest development by Idrobase group, introduced in the international markets by its associate company Idrotech.

## The advantages of "Made in Italy"

Idrotech has twenty years experience in designing and producing fogging systems. The "Made in Italy" logo points out the use of high quality materials and the advanced know-how achieved by the company staff.

This choice gives us the possibility to always find innovative solutions, suitable for our customers' requirements and for the needs of an evolving market.

## Technical data

Code	Model	* No. of nozzles	Pressure	** Flow rate	Power absorbed	Dimensions W x L x H	Weight
ZX.8110-S	F100-F 40	14-40	30-100 bar 435-1450 psi	0,8-2,7 l/min 0,21-0,71 USGpm	Kw 1,5 (1x230 V)	56 x 26,5 x 40 22.1" x 10.5" x 15.8"	gr. 52000 oz. 1,835.0
ZX.8111-S	F100-F 60	18-60	30-100 bar 435-1450 psi	1,1-3,8 l/min 0,29-1.0 USGpm	Kw 1,5 (1x230 V)	56 x 26,5 x 40 22.1" x 10.5" x 15.8"	gr. 54000 oz. 1,905.0
ZX.8112-S	F100-F 90	28-90	30-100 bar 435-1450 psi	1,7-5,6l/min 0.45-1.48 USGpm	Kw 2,2 (1x230 V)	56 x 26,5 x 40 22.1" x 10.5" x 15.8"	gr. 66000 oz. 2,328.0
ZX.8113-S	F100-F 130	40-130	30-100 bar 435-1450 psi	2,4-8 l/min 0.63-2.11 USGpm	Kw 2,2 (1x230 V)	56 x 26,5 x 40 22.1" x 10.5" x 15.8"	gr. 68000 oz. 2,398.0

\* The highest number of nozzles has been calculated by using a nozzle with flow rate 15

\*\* Pressure and flow rate change according to the temperature and humidity of the place to be cooled.

## The heart of Ambiente

The heart of fog 100 ambiente operation system is a control panel operated using an advanced software developed at Idrobases premises.

Depending on temperature levels and humidity detected by the sensors in the environment, such software controls a high pressure pump (30 – 100 bar) which adjusts the ideal amount of water to nebulize into tiny droplets through suitable fog nozzles.

**The volume of water pressurized and nebulized by fog 100 ambiente is proportional to the temperature and the humidity of the environment.**

Here are some examples to explain how it works: in a torrid, sunny day the volume of water nebulized into the environment is considerable.

If the day turns cloudy and the temperature decreases, the volume of water nebulized is automatically reduced.

If a storm is about to outburst the nebulization diminishes further whereas the system will automatically stop in case of rain. The system will start up again once the rain is over and the volume of water nebulized will increase as the temperature raises and the environment relative humidity decreases.

This feature makes fog 100 ambiente an absolutely new system in the market of nebulization, definitely improving the performances of the traditional fog equipment.

**There are 4 programs**, to be chosen depending on the following needs: WELLBEING, DUST CONTROL, HUMIDIFICATION, SPRAYING SCENT. Such system can be used in a lot of professional and domestic applications: at swimming pools, outdoor parties, bars, restaurants on the seashore, sunny terraces, glassed-in dining terraces... transforming a sweltering summer into a pleasant spring.



### ZX.8130

gr. 3500  
oz. 123.5

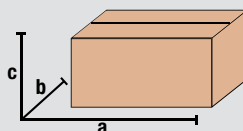
**Kit aromi, the aromas dispenser**, designed for connection to the remote control plug to the fog 100 Ambiente, is activated directly by the controls panel using *aroma* key



## Technical features

- **High pressure hydraulic system** equipped with servo systems
- Electrically cooled **motor-group**
- **Electric-hydraulic** working and control system
- **Temperature probe**
- **Humidity probe**
- It is supplied with **3m electric cable**

- Packaging dimensions:  
a 75 cm-3.0"  
b 35 cm-1.4"  
c 55 cm-2.2"



## Components and optional

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