



FORCLIMA F400 & F500

“F400” & “F500” TECHNICAL DATA & DETAILS OF THE PRODUCTS

DESCRIPTION

The new **FORCLIMA “F400” & “F500”** vertical ducting units are studied for balanced ventilation either in commercial environment or in residential areas.

The units are constituted with two centrifugal impellers that respectively, one supplies clean and fresh air from the outside to the room and the other extracts the spoiled air from the inside.

The outgoing moist stale air, saturated of smell, pollen, etc. before being expelled to the outside, crosses an heat exchanger that recovers the contained heat and supplies it to the incoming fresh air. The 2 air strams never cross each other.

This way there is a continuous exchange of air in the environment without dispersion of energy, achieving therefore **an economic saving**.

CONSTRUCTION

All the two models are constituted with an external aluminium structure with a particular internal insulation (A1 class) which makes the unit very silent and proper for an outside installation.

The compact dimensions make the unit ideal for the installation to wall in the service rooms.

To ensure peak performance, the appliance needs to be checked every six months or as conditions necessitate.

They are equipped with a basin for drain condensation and with relative unloaded.

All the units are composed with recycling materials.

HEAT EXCHANGER

The new aluminium heat exchanger, with a particular sketch and PVC end side, allows getting exceptional output levels between 50% and 80% heat recovery.

Being inserted on binary, the heat exchanger is easily removable for a better maintenance.

The heat exchanger is treated with a particular sanitary substance, in order to prevent the diffusion of breathing illnesses.

FAN

The installed centrifugal impellers are all in IP 44 class, with low power absorption.

The connection to accessories such as continuous speed regulators, timer, humidity sensors, smoke sensors etc. makes the control system complete.

FILTER

The **F400 & F500** units are provided with a synthetic fibre filter with a variable density, either in extraction either in supply; these filters increase the efficiency and the ability of absorption of the present dusts in the environments.

The filters are easily removable for their maintenance and can be furnished with active carbons on demand.

INSTALLATION

The **F400 & F500** units are studied for being installed vertically on the wall at 15 cm height from earth minimum: to such purpose they are already gifted of holes for fixing.

The same can be installed horizontally but it needs to be provided with the basin for the harvest condense that is furnished apart.

The units are already predisposed for the joining to rigid or flexible circular ducting in 150/200 mm diameters.

MAINTENANCE

To ensure peak performance, the unit needs to be checked every six months or as conditions necessitate as follows:

- Clean or replace the filters.
- Clean the heat exchanger from deposits of dust or fat.
- Restore the healthy power with the suitable products.

Both the filters either the heat exchanger are climbed on binary and therefore they are easily removable through the frontal panel.

GUARANTEE

The unit has 24 months guarantee.

Note. *To ensure peak performance the appliance should be cleaned regularly.*

TECHNICAL CHARACTERISTICS

Model	Air flow Mc/h	Efficiency	Static Pressure (Pa) Mc/h							
			200	180	150	120	100	80	60	40
F400	300 – 550	Between			300	350	400	450	500	550
F500 1v	400 - 650	50		450	400	450	500	550	600	650
F500 4p	200 - 500	and 80%					200	300	400	500

Model	Entry of power W	Weight Kg.	dB(A)* min- max
F400	220 M	20	30 – 42
F500	280 M	25	32 – 45

M=220.1 50Hz

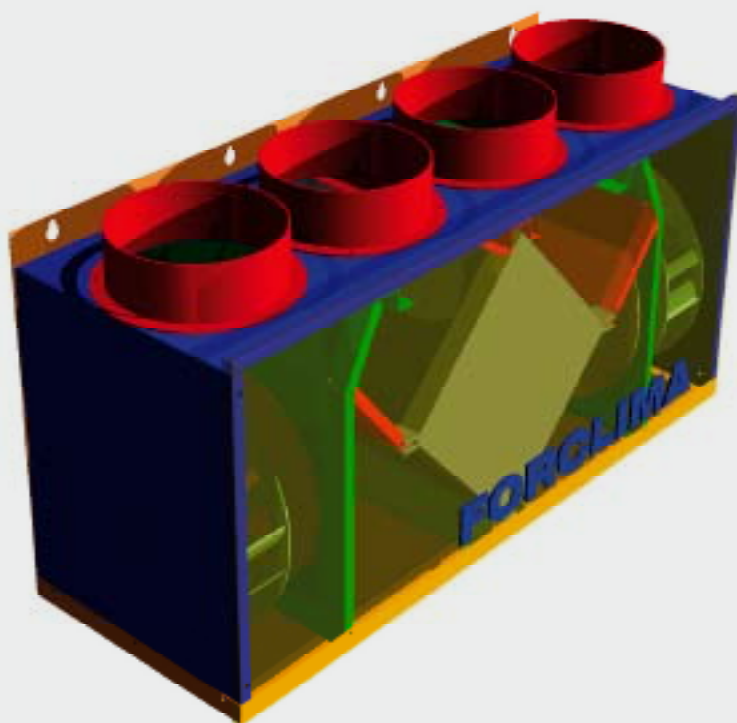
* **Noticed Noisiness in closed room at 2,5 mt.** from the unit with insulated sent and resumption ducting. The real levels of noisiness can differ from those indicated, in accordance with the environmental conditions and with the present noisiness leading over that of possible resonances.

Dimensions mm.	F400	F500
Height	340+21	485+21
Width	722+56	914+56
Depth	269	318
Duct connection	150	200

Packing Dimensions:

F400: 790x300x400 mm.

F500: 1000x330x550 mm.



Attention: All the measures are indicative and susceptible of variations without warning.