



Fancoils AC motor type AIR

Low noise indoor fan coils units for cooling and/or heating with water

Brand

- Ventilclima

Application

- For cooling and/or heating by water of hotels, shops, hospitals, offices,...

Composition

- Galvanized steel sheet (8/10mm) insulated in all parts in direct contact with the conditioned air
- Insulated condensate tray made of galvanised steel sheet
- Modern decorative cabinet, made in hot-dip galvanized steel sheet pre-coated with PVC for high resistance to rust, corrosion, and grills made of ABS, standard white
- Centrifugal fans with statically and dynamically balanced aluminium turbines
- Single-phase asynchronous electric motor with overload cutout, 6 speeds (3 connected) for AC motor.
- The airfilter of polypropylene is enclosed (EU1) - other filters available upon request
- The heat exchanger are made of copper pipes expanded in aluminum fins, with female fittings and air vents, connection left or right following demand
- 3 or 4 row coils
- **Also available ECM model with EC motor**

Options

- 2 or 4 pipes
- Vertical and horizontal
- Left or right waterconnection
- With or without cabinet
- Feet (only for M models, not compatible with MF models)
- Eurovent certificated hygiene units available on demand Air-Hy
- Available with EC motor on request

Versions

- 10 sizes
- Vertical or horizontal with casing
- Vertical or horizontal with casing, floor mounted with intake grill
- Vertical or horizontal with casing, floor mounted air intake in the front
- Vertical without casing, air intake from the bottom
- Vertical without casing, air outlet in the front
- Horizontal without casing, air intake from the back

- Horizontal with in and outlet plenum

Accessories

- In and outlet plenum
- Fresh air louver
- Extra driptray
- Feet (only for M models, not compatible with MF models)
- Infra red, wall or inside unit control : **i-com, i-Basic 1, i-Basic 2, i-Basic 3, i-Digit 0-1-2-3, I-10, I-20, I-30, I-50, I-60, I-70**
- With the thermostats i-Basic 2, i-Basic 3 i-Digit 0-1-2-3, I-60 and I-70 you also need **the SDP Power Interface card 3 speeds** and this only for the models AIR 90 and AIR 100
- 2 way or 3 way valves (mounted)
- On/off or modulating motor 230 or 24V on valve
- Condensate pump

Order example

AIR-100MF/L/4P

Explanation

AIR = Centrifugal fan coil unit

100 = size, see table

0 = vertical - bottom air intake with cabinet, **1** = horizontal - bottom air intake with socle and cabinet, **2** = vertical - air intake bottom air supply vertical without cabinet, **3** = horizontal - air intake back without cabinet, **4** = horizontal - bottom air intake with cabinet, **5** = vertical - front air intake with cabinet, **7** = vertical - bottom air intake and horizontal air supply without cabinet, **8** = vertical - front air intake with socle and cabinet, **9** = horizontal - back air intake with cabinet

L = waterconnection Left, **R** = waterconnection Right

2P= 2pipes, **4P**= 4pipes

Text for tender

Basic unit, EUROVENT certificated, made of galvanized steel (prepared following Zendimir method), minimal plate 0.8 mm. The unit includes motor and fan, cool -and/or heating coil, filter, main condensate tray and electrical connection.

All parts in contact with conditioned air are insulated.

Total insulated main driptray with condensate connection.

Side panels provided of knock-out system for quick and easy connecting of accessories.

On the back provided of small opening for easy installation of the units.

Decorative cabinet has a modern design for all applications and is made in galvanized steel repainted with PVC for high resistance. Grills are made of ABS and control doors are made on the top of the cabinet. basic color is white, on demand other colors are possible. The cabinet is easy to mount or demount by a few screws.

The coils are made of copper tubes and alu fins, provided of a female connection (GAS) and an air nipple. Water connection are left or right and easy be changed on site.

The fans are depending of the size made of different quantity's of turbines. The total of the fan deck (motor and turbine) is dynamic balanced to avoid noise and are low in consumption.

De motors are totally closed, split-condensator type including an overheating safety. Monofasig 230 V / 50 Hz. 6 speeds, 3 speeds are connected. The motors have slidebearings.

The standard filter of polypropylene with metal frame is EU1. Other filters are possible.

Specifications				
2 pipes (3 rows)				
	Cooling capacity (7/12°C) kW	Heating capacity (45/40°C) kW	Air flow m³/h	Sound power dB(A)
Air-10	1.19	1.52	205	48
Air-20	1.89	2.13	342	51
Air-30	2.67	2.95	427	51
Air-40	3.63	4.40	603	53
Air-50	4.59	5.58	771	54
Air-60	4.91	5.95	835	54
Air-70	5.56	6.17	968	57
Air-80	5.99	7.30	1153	62
Air-90	7.48	8.07	1376	62
Air-100	8.96	9.79	1670	65
4 pipes (3 rows + 1)				
	Cooling capacity (7/12°C) kW	Heating capacity (65/55°C) kW	Air flow m³/h	Sound power dB(A)
Air-10	1.20	1.11	200	48
Air-20	1.70	1.80	328	51
Air-30	2.61	2.56	424	52
Air-40	3.56	2.86	604	53
Air-50	4.58	4.19	753	54
Air-60	4.82	4.37	829	55
Air-70	5.20	4.83	960	57
Air-80	6.23	5.29	1138	62
Air-90	8.32	7.05	1352	62
Air-100	8.88	7.52	1643	65

