



## Fancoils EC motors 0-10V type AIR-ECM(-Hy)

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
- Blower section with centrifugal fans, statically and dynamically balanced horizontally-oriented aluminium impellers
- EC motor 0-10 V fanspeed regulation
- 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

### Options

- 2 or 4 pipes
- Vertical and horizontal
- Left or right waterconnection
- With or without cabinet
- Feet
- Standard EC motor 0-10V
- Eurovent certificated hygiene units available on demand Air-Hy

### Versions

- 9 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
- Infra red, wall or inside unit control **i-Basic 3, i-Digit 0-1-2-3, I-30, I-70**
- 2 way or 3 way valves (mounted)
- On/off or modulating motor 230 or 24V on valve
- Condensate pump

### Order example

#### AIR-ECM-100MF/L/4P

Explanation

**AIR** = Centrifugal fan coil unit

**ECM** = EC motor 0-10V

**100** = size, see table

**MF** = Vertical of horizontal with cabinet, air intake frontal/bottom

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

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

### Text for tender

Basic unit, EUROVENT certificated, made of galvanized steel (prepared following Zendzimir 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.

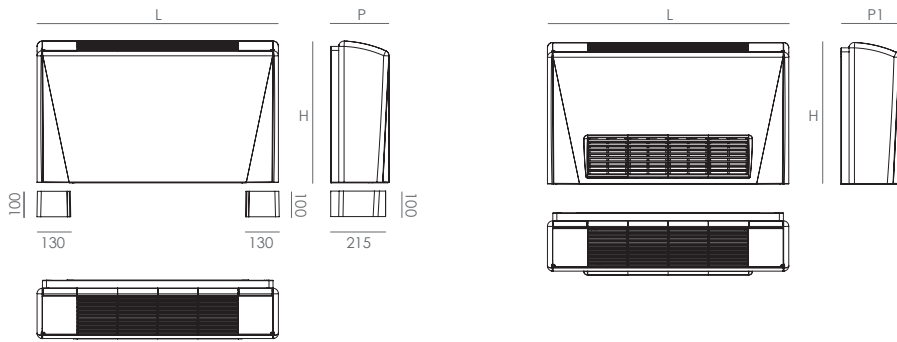
The coils are made of copper tubes and alu fins, provided of a female connection (GAS) and an air nipple. Water connection are left or right and easy be changed on site.

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. EC motors 0-10V. 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



			Dimensions								
			20	30	40	50	60	70	80	90	100
C	L	[mm]	750	900	1050	1200	1350	1500	1650	1800	
	H	[mm]					530				
	P	[mm]					218				
W C	P1	[mm]					232				
	L	[mm]	530	680	830	980	1130	1280	1430	1580	
	H	[mm]					480				
	P	[mm]					215				
	W (2 P 3R)	[kg]	16,85	19,12	22,88	26,14	29,90	36,05	40,68	46,53	
	N W (2 P 4R)	[kg]	17,70	20,14	24,09	27,56	31,50	37,84	42,64	48,66	
	N W (4 P 3R+1)	[kg]	17,70	20,14	24,09	27,56	31,50	37,84	42,64	48,66	