

# fan coils

FAN COILS FOR FLOOR, WALL OR CEILING INSTALLATION



## GENERAL FEATURES

The **FAN COILS** series is offering a simple, economic and versatile solution for the climatization of apartments and offices.

The proposed models, together with a wide range of available optional accessories, are able to fully satisfy any plant needs, with installation times and costs reduction. All versions are equipped with multi-speed fans and, with the exclusion of the **SPRING** series, they are predisposed for 4 pipe plants installation.

## VERSIONS :

### VC *new*

*Cooling capacity 1,4 ÷ 8,9 kW*

Fan coil equipped with centrifugal fan for floor, ceiling or recessed installation.

### FCT

*Cooling capacity 0,9 ÷ 4,8 kW*

Fan coil equipped with tangential fan for floor, ceiling or recessed installation.

### SKY.WATER

*Cooling capacity 1,9 ÷ 10,5 kW*

Cassette equipped with centrifugal fan for false-ceiling installation.

### SPRING *new*

*Cooling capacity 2,0 ÷ 3,6 kW*

Fan coil equipped with centrifugal fan for wall mounting installation.

## MAIN COMPONENTS

### VC / FCT

- Housing in galvanized steel sheet. Cabinet in galvanized steel sheet externally coated with PVC film.
- Integrated control panel
- VC series: centrifugal fans directly coupled to 6 speed electric motor
- FCT series: tangential fans directly coupled to 6 speed electric motor

## MAIN OPTIONAL ACCESSORIES

- Multifunction remote control (FCT)
- Electronic thermostat
- Electric heater (FCT)
- Control valves
- Adjustable air delivery grille
- Hot water heating coil for 4 pipes plant
- Panels for recessed version





**MAIN COMPONENTS**

**SKY.WATER**

- Housing in galvanized steel sheet and frontal panel in plastic material.
- Predisposition for air delivery and fresh air suction ducting.
- Integrated control panel
- Centrifugal fans directly coupled to 3 speed electric motor
- Condensate discharge pump
- Multifunction remote control
- Version for 2 or 4 pipes plant

**MAIN OPTIONAL ACCESSORIES**

- Control valves
- Remote control panel

**MAIN COMPONENTS**

**SPRING**

- Housing in galvanized steel sheet and frontal panel in plastic material.
- Integrated control panel
- Tangential fan directly coupled to 3 speed electric motor
- Multifunction remote control

**MAIN OPTIONAL ACCESSORIES**

- Control valves



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## TECHNICAL DATA AND NOMINAL PERFORMANCES

new  VC

MODEL		23	33	43	53	63	73	83	103
Cooling capacity (1)	kW	1,34	1,98	2,69	3,39	4,87	6,77	7,48	8,93
Heating capacity (2)	kW	1,83	2,54	3,12	4,01	5,59	7,65	8,49	11,47
Air flow	max m <sup>3</sup> /h	270	350	409	556	783	910	1030	1520
	mid m <sup>3</sup> /h	200	224	300	463	588	670	875	1240
	min m <sup>3</sup> /h	170	200	204	313	400	435	710	1120
Sound pressure (3)	dB(A)	38,0	40,0	44,0	45,0	47,0	52,0	49,0	55,0
Weight									
Recessed	kg	15	18	18	23	27	29	33	40
Mantel	kg	22	26	28	33	38	40	44	--

(1) Referred to entering air at 27°C d.b. and chilled water temperature 7/12°C with maximum air flow

(2) Referred to entering air at 20°C and hot water entering temperature 50°C with maximum air flow

(3) Sound pressure at maximum speed according to ISO23741.

POWER SUPPLY: 230.1.50

 FCT

MODEL		10	20	30	40	60
Cooling capacity (1)	kW	0,87	1,69	2,53	3,53	4,77
Heating capacity (2)	kW	1,38	2,27	3,11	4,46	5,98
Air flow	max m <sup>3</sup> /h	255	310	473	621	871
	mid m <sup>3</sup> /h	220	258	400	525	707
	min m <sup>3</sup> /h	185	215	332	422	555
Sound pressure (3)	dB(A)	39,4	44,4	48,4	46,4	48,4
Weight	kg	15	16	21	26	30

(1) Referred to entering air at 27°C d.b. and chilled water temperature 7/12°C with maximum air flow

(2) Referred to entering air at 20°C and hot water entering temperature 50°C with maximum air flow

(3) Sound pressure at maximum speed according to ISO23741.

POWER SUPPLY: 230.1.50

## TECHNICAL DATA AND NOMINAL PERFORMANCES

 **SKY.WATER**

MODEL		10	20	30	40	43	45	50	60
Cooling capacity (1)	kW	1,98	2,89	3,26	4,49	5,73	6,76	8,08	10,50
Heating capacity (2)	kW	2,72	3,63	4,94	6,15	5,94	7,12	9,31	12,00
Air flow	max m <sup>3</sup> /h	543	611	680	815	832	1087	1087	1274
	mid m <sup>3</sup> /h	348	397	442	530	699	913	935	1070
	min m <sup>3</sup> /h	255	281	299	350	624	772	794	930
Sound pressure (3)	dB(A)	42,4	44,4	48,4	53,4	45,4	49,4	49,4	53,4
Weight	kg	23,5	24,5	24,5	24,5	37	43	43	45

(1) Referred to entering air at 27°C d.b. and chilled water temperature 7/12°C with maximum air flow

(2) Referred to entering air at 20°C and hot water entering temperature 50°C with maximum air flow

(3) Sound pressure at maximum speed according to ISO23741.

POWER SUPPLY: 230.1.50

 **SPRING**

MODEL		MIC30	MIC40	MIC50
Cooling capacity (1)	kW	1,90	2,60	3,6
Heating capacity (2)	kW	3,05	4,15	5,3
Air flow	max m <sup>3</sup> /h	436	632	780
	mid m <sup>3</sup> /h	376	522	691
	min m <sup>3</sup> /h	334	403	570
Sound pressure (3)	dB(A)	35	37	44
Weight	kg	11	11	14

(1) Referred to entering air at 27°C d.b. and chilled water temperature 7/12°C with maximum air flow

(2) Referred to entering air at 20°C and hot water entering temperature 50°C with maximum air flow

(3) Sound pressure at maximum at 1 m in free field.

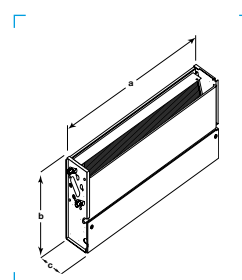
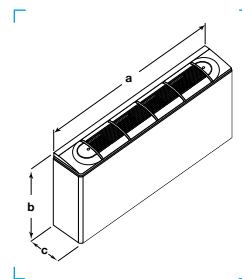
POWER SUPPLY: 230.1.50

## DIMENSIONS

### VC (mm)

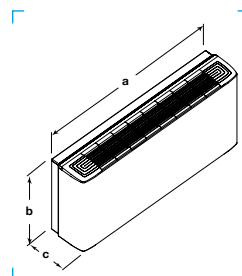
<i>Model (mantel)</i>	<i>a</i>	<i>b</i>	<i>c</i>
<b>23</b>	720	529	230
<b>33</b>	910	529	230
<b>43 - 53</b>	1.100	529	230
<b>63</b>	1.290	529	230
<b>73 - 83</b>	1.480	529	230

<i>Model (recessed)</i>	<i>a</i>	<i>b</i>	<i>c</i>
<b>23</b>	355	505	225
<b>33</b>	545	505	225
<b>43 - 53</b>	735	505	225
<b>63</b>	925	505	225
<b>73 - 83</b>	1.115	505	225
<b>103</b>	1.305	505	225



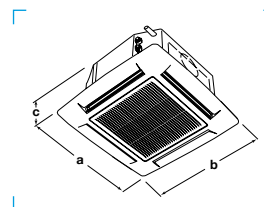
### FCT (mm)

<i>Model</i>	<i>a</i>	<i>b</i>	<i>c</i>
<b>10</b>	760	480	200
<b>20</b>	760	480	200
<b>30</b>	960	480	200
<b>40</b>	1.160	480	200
<b>60</b>	1.360	480	200



### SKY WATER

<i>Model</i>	<i>a</i>	<i>b</i>	<i>c</i>
<b>10 - 20 - 30 - 40</b>	720	720	320
<b>43 - 45 - 50 - 60</b>	950	950	380



### SPRING

<i>Model</i>	<i>a</i>	<i>b</i>	<i>c</i>
<b>MIC30</b>	795	178	270
<b>MIC40</b>	795	178	270
<b>MIC50</b>	1.200	210	320

