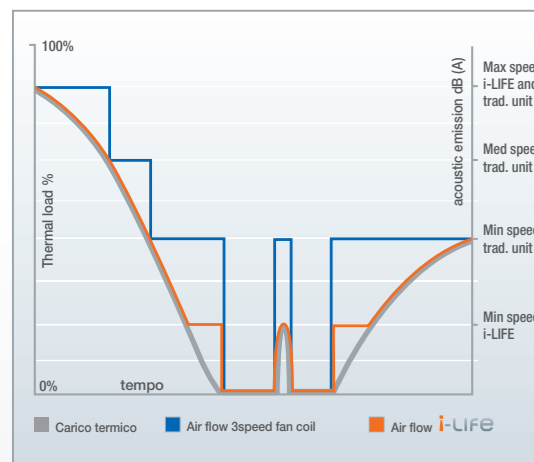


Comfort, efficiency and integration without compromise

Today comfort has a new name: i-LIFE / a-LIFE. The new generation fan-coil featured by unbeatable efficiency, low noise and integration capability.



Silent operation

Thanks to the continuous fan speed modulation, the noise produced in order to keep the temperature set-point is extremely low. The adaptation to new set values or different loads is carried out varying gradually the fan speed. The acoustic emissions mingle therefore with the background noise and are almost imperceptible to human ears.

Complete versatility

i-LIFE could adapt to any installation requirements: wall, ceiling, with bottom air inlet, with frontal air inlet, with cabinet or built-in version. Versatility is enhanced also by complete range of controls and accessories, provided like separate kit or also factory assembled. Moreover complete versatility of LIFE fan coil simplifies project steps, from installation to maintenance. The new range of controls are particularly user-friendly. Optimal selection unit is guaranteed by ELCA fan coil software, aligning selection of hydronic terminals with other range of products offered by Climaveneta.

Design

LIFE is an advanced solution for the requirements of modern residential and commercial architecture, even more sensible to design and aesthetics.

LIFE fan coil has been created for this purpose. Featured with a simple and refined design, it was thought to perfectly fit any ambient, thanks to its smooth and continuous curves, which is a result of the blending of high quality plastics along with other more traditional materials.

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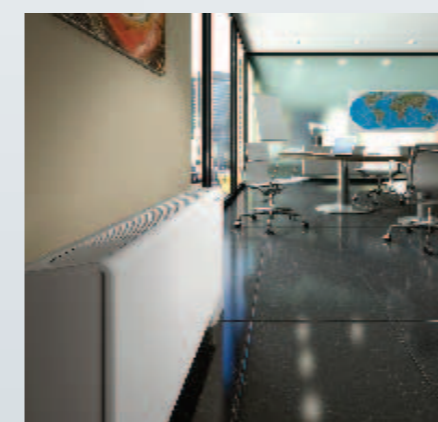
i-LIFE / a-LIFE

i-LIFE New generation fan coil with modulating speed centrifugal fan. The high efficiency motor guarantees air flow regulation from 0 to 100% and energy consumption reduced more than 50%

a-LIFE Fan coil with twin suction centrifugal fan and 6 speed via auto-transformer.



Perfect comfort



Real savings



Complete integration



A new way to live comfort

New LIFE fan coil has been specifically developed to adapt to every ambient thanks to its modern and minimal design, which is a result of the full experience and know-how Climaveneta has in this range of products.

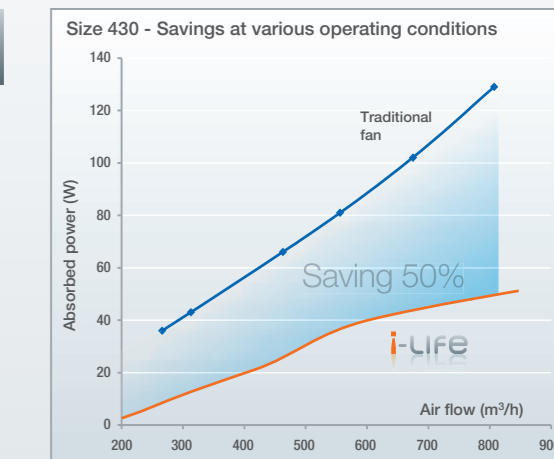
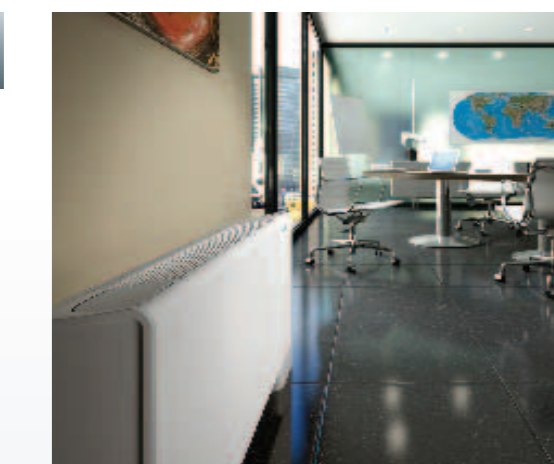
Perfect comfort

i-LIFE means perfect comfort and lowest operating cost. i-LIFE is powered by brushless motor allowing a perfect adaptation to thermal load, without any temperature fluctuations. Centrifugal fan operates through continuous air flow modulation, with no speed steps or relay switching as traditional fan coil units.

i-LIFE technical features assure excellent performances in terms of the way set point required is fast reached and maintained. i-LIFE fan coil thanks to its electronic regulation operates as a precise air-conditioning unit.

Real savings

i-LIFE features an electrical absorption 50% lower than traditional fan coils of the same size. The advantages of this increased efficiency are enhanced over the whole operating year and make available the saved energy for other components of the system or to improve the building energy efficiency ratio.



Complete integration

i-LIFE fan coil offers a wide versatility and deep easy installation. User-friendly interface with LCD screen allows the full control of all operating conditions. Furthermore is possible to integrate i-LIFE units in Master - Slave networks and Building management system (e.g. Idrorelax by Climaveneta). i-LIFE interfaces guarantees a quick and simple installation thanks to only two wires connection for plug-in as well as wall-mounted version of controls.



CLIMAVENETA

CLIMAVENETA

i-LIFE / a-LIFE



The excellent performance in terms of energy efficiency, silence and quality of comfort that feature i-LIFE / a-LIFE come from cutting edge design and technological choices, resulting from Climaveneta's experience and know-how.

Cabinet

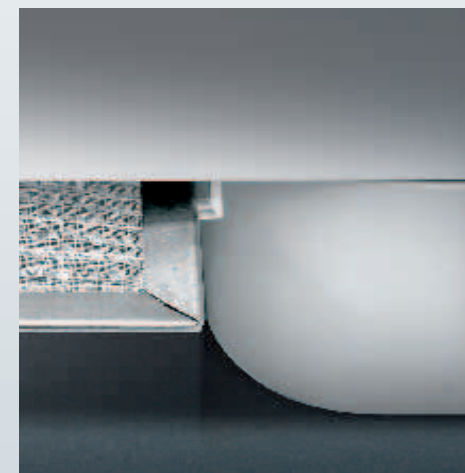
i-LIFE / a-LIFE has been designed taking greatest care of design and aesthetics.

The linear and minimal lines ensure a simple and modern shape, that results from the use of high quality plastics with more traditional galvanized steel sheet with epoxy powder paint for the cabinet.

Fan

i-LIFE is powered by modulating speed centrifugal fan. This new concept of fan-coil operates with continuous air flow regulation assuring a deep comfort and a concrete energy savings.

a-LIFE is provided with centrifugal fan, double intake and forward blades, powered by auto-transformer with 6 speeds of which 3 are factory-set.



Air filter and front air intake

All fan coils are provided with air filter. Made of metal frame and hosting the filtering material, that features filter class G2 and flame retardancy classification M1. The removal of the filter always requires a tool as safety measure, but is eased by the side guides.

Intake grille made of plastics with frame-integrated filter, easily removable by the 1/4 turn screws.

Heat exchanger

Coil with aluminium fins and copper pipes. The water fittings are provided with anti-torsion lock with air vent and water drainage.

All units are delivered with left-hand water connections, easily convertible into right-hand by simply turning the coil.

i-LIFE High efficiency fan-coil with brushless motor, air flow regulation from 0 to 100% and energy consumption reduced by more than 50%.

a-LIFE Fan coil with twin suction centrifugal fan and 6 speed via auto-transformer.

Complete versatility

Thanks to 4 versions – with cabinet and built-in, with frontal or bottom air-inlet - 23 sizes, the ideal solution in every project is guaranteed.



**i-LIFE DLU
a-LIFE DLU**

With cabinet and bottom air inlet



**i-LIFE DFU
a-LIFE DFU**

With cabinet and frontal air inlet



**i-LIFE DLI
a-LIFE DLI**

Built-in with bottom air inlet



**i-LIFE DFI
a-LIFE DFI**

Built-in with frontal air inlet



LIFE Box

A solution in order to plan since the earliest construction stages the positioning of i-LIFE and a-LIFE into wall niches, in order to make the installation more rational, efficient and harmonious.

Simplified on site operations

In the earliest stages of construction the formwork is placed in the wall niche and the connections are prepared. The positioning of the fan coil is easy and can be carried out when site operations are concluded, thus avoiding to expose the unit to the risks of on-site operations.

Complete solution

Each LIFE BOX fan coil is provided with delivery air plenum and sized grilles and with cover panel, either pre-painted metal sheet with same colour of fan coil.

Controllers

The wide range of available wall-mounted and built-in controllers, allows a user-friendly and complete regulation of all the functions, and an easy integration in home automation, centralization, building management systems.



**NS plug-in
NSW wall mounted**

Fan speed slider, mode slider, minimum temperature thermostat and command of on/off valves



**AT plug-in
ATW wall mounted**

Room thermostat, manual- and automatic regulation of fan, manual- and automatic mode change-over, room- and minimum temperature probes and command of on/off valves. Multifunction digital contact. Configuration dip switch.



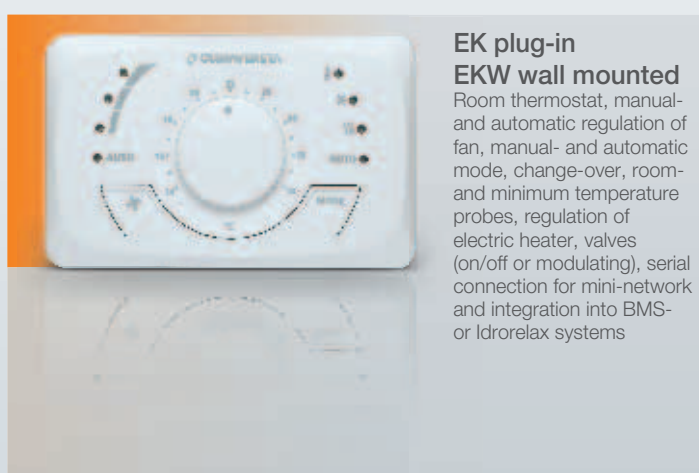
**PS plug-in
PSW wall mounted**

Fan speed slider, mode slider, minimum temperature probe and regulation of on/off valves



**MT plug-in
MTW wall mounted**

Room thermostat, fan speed slider, mode slider, room- and minimum temperature probes and regulation of on/off valves



**EK plug-in
EKW wall mounted**

Room thermostat, manual- and automatic regulation of fan, manual- and automatic mode, change-over, room- and minimum temperature probes, regulation of electric heater, valves (on/off or modulating), 0-10 V output for the regulation of the energy-saving brushless fan motor; serial connection for mini-network and integration into BMS- or Idorelax systems



iK universal

Electronic control with LCD display, room thermostat, manual- and automatic regulation of fan, manual- and automatic mode change-over, room and minimum temperature probes, regulation of electric heater, valves (on/off or modulating), 0-10 V output for the regulation of the energy-saving brushless fan motor; serial connection for mini-network and integration into BMS or Idorelax systems

General technical data

i-LIFE	130	230	330	430	530	630
Air flow rate						
Max Speed	m³/h 410	480	485	815	915	925
Min Speed	m³/h 105	120	130	200	310	320
Total output cooling capacity (1)						
Max Speed (1)	kW 1,91	2,67	3,55	3,22	4,69	6,92
Min Speed (1)	kW 0,7	0,88	1,06	1,56	2,53	2,95
Sensible output cooling capacity (1)						
Max Speed (1)	kW 1,63	2,17	2,47	3,77	4,5	5,13
Min Speed (1)	kW 0,53	0,66	0,77	1,15	1,84	2,07
Total output heating capacity (2)						
Max Speed (2)	kW 2,71	3,52	3,86	5,83	6,81	7,93
Min Speed (2)	kW 0,91	1,1	1,23	1,82	2,77	3,05
Sound pressure level (3)						
Max Speed (3)	dB(A) 46	48	48	51	51	52
Min Speed (3)	dB(A) 22	23	24	25	26	26
Electrical data						
Max absorbed power	W 33	34	37	59	72	74
Min absorbed power	W 4	4	4	7	7	7
Electrical power supply	V-Ph-Hz 230-1-50/60	230-1-50/60	230-1-50/60	230-1-50/60	230-1-50/60	230-1-50/60
Dimensions (cabinet - built-in)						
L	mm 732 - 411	922 - 601	1112 - 791	1112 - 791	1302 - 981	1492 - 1171
H	mm 541 - 495	541 - 495	541 - 495	541 - 495	541 - 495	541 - 495
P	mm 233 - 225	233 - 225	233 - 225	233 - 225	233 - 225	233 - 225
Weight	kg 18 - 12	22 - 15	26 - 18	28 - 20	32 - 23	38 - 27

a-LIFE	130	230	330	430	530	630	730	830
Air flow rate								
Speed 1	m³/h 410	480	485	815	915	925	1310	1620
Speed 2	m³/h 360	410	415	680	780	790	1090	1380
Speed 3	m³/h 315	350	355	580	680	685	920	1165
Speed 4	m³/h 270	300	305	470	550	550	740	930
Speed 5	m³/h 200	225	230	315	440	445	590	720
Speed 6	m³/h 175	200	205	270	390	400	440	520
Total output cooling capacity (1)								
Speed 1 (1)	kW 1,91	2,67	3,22	4,69	5,75	6,92	8,94	10,2
Speed 2 (1)	kW 1,75	2,37	2,86	4,14	5,13	6,16	7,81	9,11
Speed 3 (1)	kW 1,59	2,1	2,53	3,62	4,45	5,33	6,89	8,05
Speed 4 (1)	kW 1,42	1,85	2,24	3,16	4,15	4,88	5,87	6,8
Speed 5 (1)	kW 1,11	1,42	1,77	2,31	3,36	3,9	4,85	5,59
Speed 6 (1)	kW 0,97	1,23	1,59	2,03	3,05	3,58	4,37	4,29
Sensible output cooling capacity (1)								
Speed 1 (1)	kW 1,63	2,17	2,47	3,77	4,5	5,13	6,81	7,97
Speed 2 (1)	kW 1,47	1,91	2,17	3,27	3,96	4,52	5,85	7,01
Speed 3 (1)	kW 1,32	1,67	1,9	2,82	3,54	4,03	5,11	6,11
Speed 4 (1)	kW 1,16	1,46	1,67	2,42	3,12	3,53	4,3	5,07
Speed 5 (1)	kW 0,89	1,11	1,3	1,72	2,48	2,78	3,53	4,11
Speed 6 (1)	kW 0,78	0,97	1,17	1,5	2,24	2,54	3,11	3,11
Total output heating capacity (2)								
Speed 1 (2)	kW 2,71	3,52	3,86	5,83	6,81	7,93	10,8	12,4
Speed 2 (2)	kW 2,46	3,11	3,4	5,06	6	6,93	9,1	10,9
Speed 3 (2)	kW 2,22	2,74	2,98	4,37	5,37	6,12	7,89	9,47
Speed 4 (2)	kW 1,97	2,41	2,62	3,76	4,75	5,37	6,95	7,85
Speed 5 (2)	kW 1,55	1,9	2,05	2,69	3,75	4,15	5,37	6,31
Speed 6 (2)	kW 1,39	1,72	1,85	2,36	3,38	3,79	4,13	4,75
Sound pressure level (3)								
Speed 1 (3)	dB(A) 46	48	48	51	51	52	54	57
Speed 2 (3)	dB(A) 41	44	44	47	47	48	49	53
Speed 3 (3)	dB(A) 38	40	40	43	44	45	46	49
Speed 4 (3)	dB(A) 37	37	37	41	41	41	41	43
Speed 5 (3)	dB(A) 30	31	31	33	33	35	36	38
Speed 6 (3)	dB(A) 28	29	29	30	30	33	33	31
Electrical data								
Max absorbed power	W 66	77	93	130	150	165	245	272
Min absorbed power	W 24	42	50	64	78	82	108	118
Electrical power supply	V-Ph-Hz 230-1-50/60	230-1-50/60	230-1-50/60	230-1-50/60	230-1-50/60	230-1-50/60	230-1-50/60	230-1-50/60
Dimensions (cabinet - built-in)								
L	mm 732 - 411	922 - 601	1112 - 791	1112 - 791	1302 - 981	1492 - 1171	1171	1361
H	mm 541 - 495	541 - 495	541 - 495	541 - 495	541 - 495	541 - 495	495	495
P	mm 233 - 225	233 - 225	233 - 225	233 - 225	233 - 225	233 - 225	225	225
Weight	kg 18 - 12	22 - 15	26 - 18	28 - 20	32 - 23	38 - 27	31	38

Data referred to:

- Operation in cooling mode: room temperature 27°C d.b./19°C w.b., water inlet temperature 7°C and water outlet temperature 12°C
- Operation in heating mode: room temperature 20°C d.b., water inlet temperature 70°C and water outlet temperature 60°C
- Sound pressure in semianechoic room at 1 m from fan front and 1 m from the ground

Main accessories:

- Plug-in and wall-mounted controls in several types
- Valve units for main and additional coil
- Hot water coil kit
- Kit TM - Minimum temperature thermostat
- Angular and straight plenum kits for air inlet and outlet
- Manual damper for external air intake
- Motor drive damper for external air intake
- Hose kit
- Horizontal and Vertical Fan Coil auxiliary drip tray
- Decorative, structural feet
- Rear panel for vertical housing
- Air intake grille for DFU, DLU versions

