

Residential fan-coils with cabinet or concealed version, with inverter motor e tangential fan.



i-LIFE2 SLIM is the new fan coil Climaveneta, with inverter technology for heating, cooling and dehumidifying. Its elegant design with only 13 cm depth makes i-LIFE2 Slim the perfect solution for residential applications. The fan coil is also available with inverter version with radiant panel. The brushless motor allows a perfect adaptation to thermal load, without any temperature fluctuations. Tangential fans operate through continuous air flow modulation, with no speed steps or relay switching as traditional fan coil units. High efficiency is guaranteed in any HVAC installation setup, in combination with any low temperature heat generator.

Control

ATS2 on board thermostat (units with cabinet)

Interface with 8 keys for the set-point management, operating modes and 4 fan speeds. Key lock function. Minimum water temperature probe and solenoid valve management ON/OFF 230V (The function is available even without the water probe).

iKS2 on board thermostat (units with cabinet)

Touch keypad with 8 touch keys, LCD display. Key lock function. Modulating control of the fan speed with PID logic, set-point management, operating modes selection, automatic fan speed control, silent operation mode. Minimum water probe and solenoid valves control ON/OFF 230V (The function is available even without the water probe). Outputs for chillers/heat pumps/boiler calls. Contact for motion sensor.

iKSW2 remote thermostat

Touch keypad with 8 touch keys, LCD display. Key lock function. Modulating control of the fan speed with PID logic, set-point management, operating modes selection, automatic fan speed control, silent operation mode. Minimum water probe and solenoid valves control ON/OFF 230V. Outputs for chillers/heat pumps/boiler calls. Up to 31 fan-coil units can be connected to a iKSW2 thermostat (Each unit must be equipped with iHBS2 power board).

ATW wall mounted thermostat (with HBS2 board)

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ATW-EC wall mounted thermostat (with HBS2010 board)

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Versions

DLIU	Built-in version for universal installation.	DLMV	Version with cabinet for vertical installation
DLMO	Version with cabinet for horizontal installation	DLRV	Radiant Version with cabinet for vertical installation.

Features

DC motor with inverter technology with continuous speed regulation, to ensure the best performance with a very low noise level.

Elegant design and reduced depth of only 13 cm, for installation in a residential environment.

Coil with large frontal area that allows to reach high air flow with very low pressure drop.

Honeycomb polypropylene air filter which can be regenerated by washing or blowing.

Tangential fan with asymmetric blades that ensures the continuous modulation of the air flow for a better comfort and real energy savings.

Elegant cover structure that integrates the use of high quality plastic materials, with traditional galvanized and epoxy powder coated materials.

Accessories

- Casing for build in version - i-LIFE2 Slim Box
- Pair of decorative and structural feet
- Alluminium Air Delivery Grid for Built-In Installations
- Main coil 2-way/3-way valve unit
- Telescopic air flow duct and 90° duct for false ceiling and build in installation
- Eurokonus adapter
- Alluminium Air Intake Grid
- Drain Pan for horizontal installation
- UVC air sterilisation device
- Casing cover panel with frame and intake air grid
- Air intake plenum for in built-in installation
- Universal interface board HSB2 for standard thermostats with 4 fan speeds (es. ATW)
- Universal interface board HBS2010 for thermostats with analogue input 0-10V (e.g. ATW-EC).
- IS2 control with bridge modbus RTU IRS2 board to connect the unit with a supervision system (e.g. Idrorelax)

i-LIFE2 SLIM / DLMO - DLMV			080	170	270	320	370
ELECTRICAL DATA							
Power supply		V/ph/Hz	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
2 PIPES SYSTEM CONFIGURATION							
ENERGY EFFICIENCY							
COOLING (EN14511 VALUE)							
FCEER	(1)(6)	kW/kW	150	197	320	294	275
FCEER Class			B	A	A	A	A
HEATING ONLY (EN14511 VALUE)							
FCCOP	(2)(6)	kW/kW	183	262	387	401	300
FCCOP Class			B	B	A	A	A
PERFORMANCE							
MIN SPEED							
Fan Power Input	(1)	W	0,70	1,62	1,82	2,47	4,91
Air flow rate	(1)	m³/h	51	122	189	258	367
Total capacity in cooling mode	(1)	kW	0,40	0,81	1,32	1,62	2,00
Total Net Cooling Capacity	(1)(6)(7)	kW	0,40	0,81	1,32	1,62	2,00
Sensible capacity in cooling mode	(1)	kW	0,30	0,67	1,03	1,38	1,71
Net sensible cooling capacity	(1)(6)(7)	kW	0,30	0,67	1,03	1,38	1,70
Net latent power in cooling	(1)(6)(7)	kW	0,10	0,14	0,29	0,24	0,30
Max water flow	(1)	l/s	0,02	0,04	0,06	0,08	0,10
Pressure Drop in cooling mode	(1)	kPa	1,7	1,2	6,0	4,6	6,3
Total capacity (heating mode)	(2)	kW	0,50	1,06	1,54	2,22	2,16
Total Net Heating Capacity	(2)(6)	kW	0,50	1,06	1,54	2,22	2,16
Water flow in heating mode	(2)	l/s	0,02	0,05	0,07	0,11	0,10
Pressure drop in heating mode	(2)	kPa	2,6	2,0	8,1	8,6	7,5
Sound Pressure	(3)	dB(A)	24	26	27	27	31
Sound Power	(4)(7)	dB(A)	33	35	36	36	40
MED SPEED							
Fan Power Input	(1)	W	4,46	10,1	9,86	11,3	12,3
Air flow rate	(1)	m³/h	93	221	334	430	499
Total capacity in cooling mode	(1)	kW	0,69	1,39	2,18	2,52	2,82
Total Net Cooling Capacity	(1)(6)(7)	kW	0,69	1,38	2,17	2,51	2,81
Sensible capacity in cooling mode	(1)	kW	0,54	1,17	1,72	2,24	2,40
Net sensible cooling capacity	(1)(6)(7)	kW	0,54	1,16	1,71	2,23	2,39
Net latent power in cooling	(1)(6)(7)	kW	0,15	0,22	0,46	0,28	0,42
Max water flow	(1)	l/s	0,03	0,07	0,10	0,12	0,14
Pressure Drop in cooling mode	(1)	kPa	5,0	3,4	15,3	10,8	13,0
Total capacity (heating mode)	(2)	kW	0,78	1,65	2,40	3,07	2,98
Total Net Heating Capacity	(2)(6)	kW	0,78	1,66	2,41	3,08	2,99
Water flow in heating mode	(2)	l/s	0,04	0,08	0,12	0,15	0,14
Pressure drop in heating mode	(2)	kPa	6,5	4,8	18,6	16,0	14,7
Sound Pressure	(3)	dB(A)	35	36	37	38	39
Sound Power	(4)(7)	dB(A)	44	45	46	47	48
MAX SPEED							
Fan Power Input	(1)	W	10,7	19,0	20,0	29,0	33,0
Air flow rate	(1)	m³/h	125	277	425	593	697
Total capacity in cooling mode	(1)	kW	0,76	1,75	2,75	3,22	3,76
Total Net Cooling Capacity	(1)(6)(7)	kW	0,75	1,73	2,73	3,19	3,73
Sensible capacity in cooling mode	(1)	kW	0,66	1,53	2,21	3,02	3,30
Net sensible cooling capacity	(1)(6)(7)	kW	0,65	1,51	2,19	2,99	3,27
Net latent power in cooling	(1)(6)(7)	kW	0,10	0,22	0,54	0,20	0,46
Max water flow	(1)	l/s	0,04	0,08	0,13	0,15	0,18
Pressure Drop in cooling mode	(1)	kPa	6,0	5,2	23,5	17,3	23,7
Total capacity (heating mode)	(2)	kW	0,88	2,11	3,27	3,88	3,77
Total Net Heating Capacity	(2)(6)	kW	0,89	2,13	3,29	3,91	3,81
Water flow in heating mode	(2)	l/s	0,04	0,10	0,16	0,19	0,18
Pressure drop in heating mode	(2)	kPa	8,2	7,6	33,1	25,2	24,3
Sound Pressure	(3)	dB(A)	41	42	44	46	47
Sound Power	(4)(7)	dB(A)	50	51	53	55	56
SIZE AND WEIGHT							
A	(5)	mm	737	937	1137	1337	1537
B	(5)	mm	131	131	131	131	131
H	(5)	mm	579	579	579	579	579
Operating weight	(5)	kg	17	20	23	26	29

Notes

- 1 Room temperature 27 °C d.b./19 °C w.b.; Chilled water (in/out) 7/12 °C.
- 2 Room temperature 20 °C d.b.; Hot water (in/out) 45/40 °C
- 3 Sound pressure level in free field on a reflective surface, 1 m from fan front and 1 m from the ground. Non-binding value obtained from sound power level.
- 4 Sound power on the basis of measurements made in compliance with ISO 3741 and Eurovent 8/2.
- 5 Unit in standard configuration/execution, without optional accessories.
- 6 Values in compliance with EN14511
- 7 Values in compliance with [REGULATION (EU) N. 2016/2281]

Certified data in EUROVENT

i-LIFE2 SLIM / DLIU			080	170	270	320	370
ELECTRICAL DATA							
Power supply		V/ph/Hz	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
2 PIPES SYSTEM CONFIGURATION							
ENERGY EFFICIENCY							
COOLING (EN14511 VALUE)							
FCEER	(1)(6)	kW/kW	150	197	320	294	275
FCEER Class			B	A	A	A	A
HEATING ONLY (EN14511 VALUE)							
FCCOP	(2)(6)	kW/kW	183	262	387	401	300
FCCOP Class			B	B	A	A	A
PERFORMANCE							
MIN SPEED							
Fan Power Input	(1)	W	0,70	1,62	1,82	2,47	4,91
Air flow rate	(1)	m³/h	51	122	189	258	367
Total capacity in cooling mode	(1)	kW	0,40	0,81	1,32	1,62	2,00
Total Net Cooling Capacity	(1)(6)(7)	kW	0,40	0,81	1,32	1,62	2,00
Sensible capacity in cooling mode	(1)	kW	0,30	0,67	1,03	1,38	1,71
Net sensible cooling capacity	(1)(6)(7)	kW	0,30	0,67	1,03	1,38	1,70
Net latent power in cooling	(1)(6)(7)	kW	0,10	0,14	0,29	0,24	0,30
Max water flow	(1)	l/s	0,02	0,04	0,06	0,08	0,10
Pressure Drop in cooling mode	(1)	kPa	1,7	1,2	6,0	4,6	6,3
Total capacity (heating mode)	(2)	kW	0,50	1,06	1,54	2,22	2,16
Total Net Heating Capacity	(2)(6)	kW	0,50	1,06	1,54	2,22	2,16
Water flow in heating mode	(2)	l/s	0,02	0,05	0,07	0,11	0,10
Pressure drop in heating mode	(2)	kPa	2,6	2,0	8,1	8,6	7,5
Sound Pressure	(3)	dB(A)	24	26	27	27	31
Sound Power	(4)(7)	dB(A)	33	35	36	36	40
MED SPEED							
Fan Power Input	(1)	W	4,46	10,1	9,86	11,3	12,3
Air flow rate	(1)	m³/h	93	221	334	430	499
Total capacity in cooling mode	(1)	kW	0,69	1,39	2,18	2,52	2,82
Total Net Cooling Capacity	(1)(6)(7)	kW	0,69	1,38	2,17	2,51	2,81
Sensible capacity in cooling mode	(1)	kW	0,54	1,17	1,72	2,24	2,40
Net sensible cooling capacity	(1)(6)(7)	kW	0,54	1,16	1,71	2,23	2,39
Net latent power in cooling	(1)(6)(7)	kW	0,15	0,22	0,46	0,28	0,42
Max water flow	(1)	l/s	0,03	0,07	0,10	0,12	0,14
Pressure Drop in cooling mode	(1)	kPa	5,0	3,4	15,3	10,8	13,0
Total capacity (heating mode)	(2)	kW	0,78	1,65	2,40	3,07	2,98
Total Net Heating Capacity	(2)(6)	kW	0,78	1,66	2,41	3,08	2,99
Water flow in heating mode	(2)	l/s	0,04	0,08	0,12	0,15	0,14
Pressure drop in heating mode	(2)	kPa	6,5	4,8	18,6	16,0	14,7
Sound Pressure	(3)	dB(A)	35	36	37	38	39
Sound Power	(4)(7)	dB(A)	44	45	46	47	48
MAX SPEED							
Fan Power Input	(1)	W	10,7	19,0	20,0	29,0	33,0
Air flow rate	(1)	m³/h	125	277	425	593	697
Total capacity in cooling mode	(1)	kW	0,76	1,75	2,75	3,22	3,76
Total Net Cooling Capacity	(1)(6)(7)	kW	0,75	1,73	2,73	3,19	3,73
Sensible capacity in cooling mode	(1)	kW	0,66	1,53	2,21	3,02	3,30
Net sensible cooling capacity	(1)(6)(7)	kW	0,65	1,51	2,19	2,99	3,27
Net latent power in cooling	(1)(6)(7)	kW	0,10	0,22	0,54	0,20	0,46
Max water flow	(1)	l/s	0,04	0,08	0,13	0,15	0,18
Pressure Drop in cooling mode	(1)	kPa	6,0	5,2	23,5	17,3	23,7
Total capacity (heating mode)	(2)	kW	0,88	2,11	3,27	3,88	3,77
Total Net Heating Capacity	(2)(6)	kW	0,89	2,13	3,29	3,91	3,81
Water flow in heating mode	(2)	l/s	0,04	0,10	0,16	0,19	0,18
Pressure drop in heating mode	(2)	kPa	8,2	7,6	33,1	25,2	24,3
Sound Pressure	(3)	dB(A)	41	42	44	46	47
Sound Power	(4)(7)	dB(A)	50	51	53	55	56
SIZE AND WEIGHT							
A	(5)	mm	525	725	925	1125	1325
B	(5)	mm	126	126	126	126	126
H	(5)	mm	576	576	576	576	576
Operating weight	(5)	kg	9	12	15	18	21

Notes

- Room temperature 27 °C d.b./19 °C w.b.; Chilled water (in/out) 7/12 °C.
- Room temperature 20 °C d.b.; Hot water (in/out) 45/40 °C
- Sound pressure level in free field on a reflective surface, 1 m from fan front and 1 m from the ground. Non-binding value obtained from sound power level.
- Sound power on the basis of measurements made in compliance with ISO 3741 and Eurovent 8/2.
- Unit in standard configuration/execution, without optional accessories.
- Values in compliance with EN14511
- Values in compliance with [REGULATION (EU) N. 2016/2281]

Certified data in EUROVENT

i-LIFE2 SLIM / DLRV			080	170	270	320	370
ELECTRICAL DATA							
Power supply	V/ph/Hz		230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
2 PIPES SYSTEM CONFIGURATION							
ENERGY EFFICIENCY							
COOLING (EN14511 VALUE)							
FCEER	(1)(6)	kW/kW	150	197	320	294	275
FCEER Class			B	A	A	A	A
HEATING ONLY (EN14511 VALUE)							
FCCOP	(2)(6)	kW/kW	183	262	387	401	300
FCCOP Class			B	B	A	A	A
PERFORMANCE							
MIN SPEED							
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Net sensible cooling capacity	(1)(6)(7)	kW	0,30	0,67	1,03	1,38	1,70
Net latent power in cooling	(1)(6)(7)	kW	0,10	0,14	0,29	0,24	0,30
Max water flow	(1)	l/s	0,02	0,04	0,06	0,08	0,10
Pressure Drop in cooling mode	(1)	kPa	1,7	1,2	6,0	4,6	6,3
Total capacity (heating mode)	(2)	kW	0,50	1,06	1,54	2,22	2,16
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Water flow in heating mode	(2)	l/s	0,02	0,05	0,07	0,11	0,10
Pressure drop in heating mode	(2)	kPa	2,6	2,0	8,1	8,6	7,5
Sound Pressure	(3)	dB(A)	24	26	27	27	31
Sound Power	(4)(7)	dB(A)	33	35	36	36	40
MED SPEED							
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Net sensible cooling capacity	(1)(6)(7)	kW	0,54	1,16	1,71	2,23	2,39
Net latent power in cooling	(1)(6)(7)	kW	0,15	0,22	0,46	0,28	0,42
Max water flow	(1)	l/s	0,03	0,07	0,10	0,12	0,14
Pressure Drop in cooling mode	(1)	kPa	5,0	3,4	15,3	10,8	13,0
Total capacity (heating mode)	(2)	kW	0,78	1,65	2,40	3,07	2,98
Total Net Heating Capacity	(2)(6)	kW	0,78	1,66	2,41	3,08	2,99
Water flow in heating mode	(2)	l/s	0,04	0,08	0,12	0,15	0,14
Pressure drop in heating mode	(2)	kPa	6,5	4,8	18,6	16,0	14,7
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Total Net Cooling Capacity	(1)(6)(7)	kW	0,75	1,73	2,73	3,19	3,73
Sensible capacity in cooling mode	(1)	kW	0,66	1,53	2,21	3,02	3,30
Net sensible cooling capacity	(1)(6)(7)	kW	0,65	1,51	2,19	2,99	3,27
Net latent power in cooling	(1)(6)(7)	kW	0,10	0,22	0,54	0,20	0,46
Max water flow	(1)	l/s	0,04	0,08	0,13	0,15	0,18
Pressure Drop in cooling mode	(1)	kPa	6,0	5,2	23,5	17,3	23,7
Total capacity (heating mode)	(2)	kW	0,88	2,11	3,27	3,88	3,77
Total Net Heating Capacity	(2)(6)	kW	0,89	2,13	3,29	3,91	3,81
Water flow in heating mode	(2)	l/s	0,04	0,10	0,16	0,19	0,18
Pressure drop in heating mode	(2)	kPa	8,2	7,6	33,1	25,2	24,3
Sound Pressure	(3)	dB(A)	41	42	44	46	47
Sound Power	(4)(7)	dB(A)	50	51	53	55	56
SIZE AND WEIGHT							
A	(5)	mm	737	937	1137	1337	1537
B	(5)	mm	131	131	131	131	131
H	(5)	mm	579	579	579	579	579
Operating weight	(5)	kg	17	20	23	26	29

Notes

- Room temperature 27 °C d.b./19 °C w.b.; Chilled water (in/out) 7/12 °C.
- Room temperature 20 °C d.b.; Hot water (in/out) 45/40 °C
- Sound pressure level in free field on a reflective surface, 1 m from fan front and 1 m from the ground. Non-binding value obtained from sound power level.
- Sound power on the basis of measurements made in compliance with ISO 3741 and Eurovent 8/2.
- Unit in standard configuration/execution, without optional accessories.
- Values in compliance with EN14511
- Values in compliance with [REGULATION (EU) N. 2016/2281]

Certified data in EUROVENT

HYDRONIC TERMINALS

i-LIFE2 SLIM

080 - 370 0,76-3,76 kW

Residential fan-coils with cabinet or concealed version, with inverter motor e tangential fan.

Dimensional drawing

