

Climaveneta **Technical Bulletin**

I_LIFE2_SLIM_080_370_201711_EN



i-LIFE2 SLIM

080 ÷ 370

0,76 ÷ 3,76 kW

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



(The photo of the unit is purely indicative and may vary depending on the model)

- Configuration
- User friendly
- Full integration
- Real savings



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All work must be performed, components selected and materials used professionally and in complete accordance with the legislation in force in material in the country concerned, and considering the operating conditions and intended uses of the system, by qualified personnel.

The data contained in this publication may be changed without prior notice.

1. RANGE

WITH CABINET MODEL

i-LIFE2 SLIM DLMV

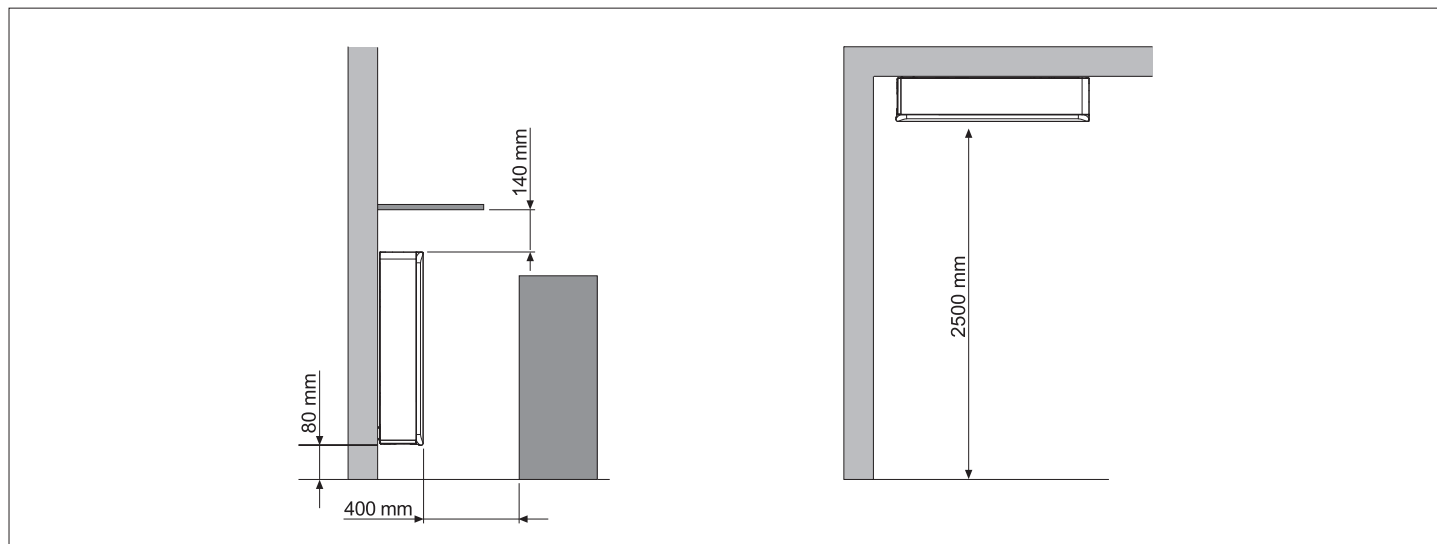
fan coil with painted metal casing (suitable for vertical installation)

i-LIFE2 SLIM DLRV

fan coil with painted metal casing with radiant effect (suitable for vertical installation only)

i-LIFE2 SLIM DLMO

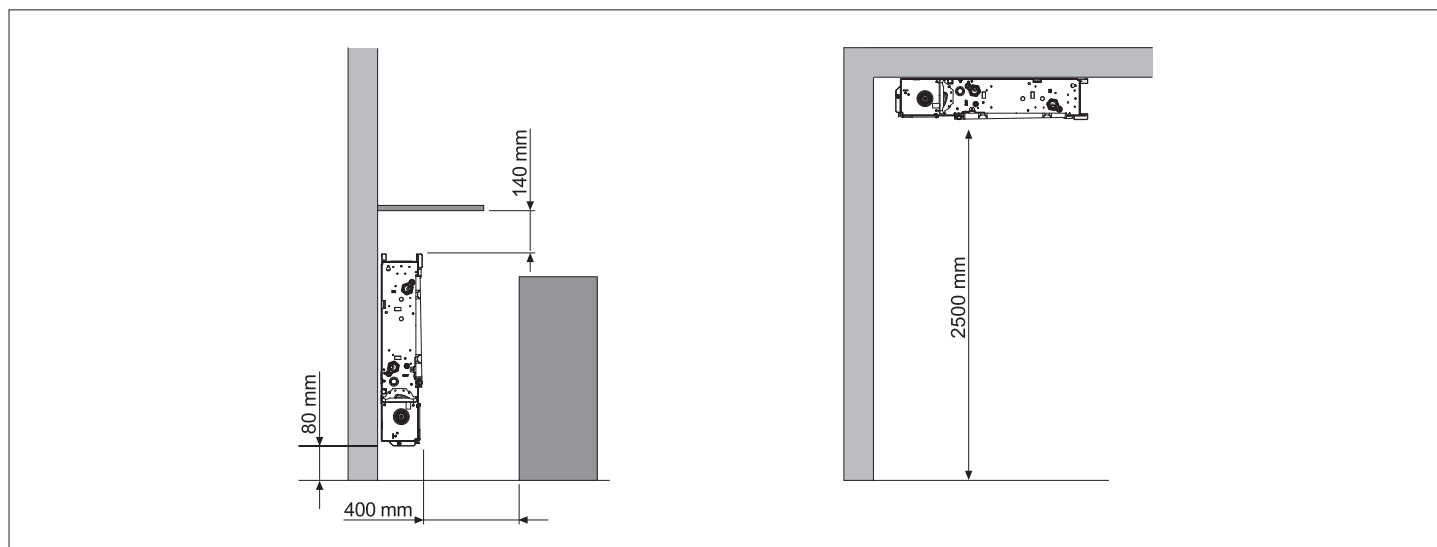
fan coil with painted metal casing (suitable for horizontal installation)



CONCEALED MODEL

i-LIFE2 SLIM DLIU

built-in fan coil without panelling (suitable for built-in horizontal or vertical installations)



2. GENERAL DESCRIPTION

i-LIFE2 SLIM is the new Climaveneta fan coil with inverter technology for heating, cooling and dehumidification.

The i-LIFE2 SLIM units feature a harmonious design, measuring just 13 cm in depth, for installation in residential environments.

The units have tangential fans with asymmetrical blades, while the heat exchanger has a large front surface area to ensure high air flow with low pressure drop.

Continuous DC motor speed control allows unit operation to adapt perfectly to indoor load, guaranteeing very low noise while maintaining the set temperature.

In heating mode, the i-LIFE2 SLIM version with DLRV radiant panel provides effective natural convective heating (similar to a radiator), significantly reducing the need for fan operation.

The operating principle is based on the activation, in heating mode, of miniature fans with very low energy consumption and extremely low noise that can deliver warm air from the heat exchanger to the inside of the unit's front panel, ensuring effective heating.

This principle allows the terminal to deliver significant heating capacity without the fan operating.

Consequently, the comfort temperature can be maintained with negligible movement of air and with the unit operating in complete silence.

In cooling operation, the air flow generated by the miniature fans is stopped to prevent dew forming on the front surface of the terminal.

Structure made from thick galvanised sheet metal for optimum protection against corrosion.

Cabinet made from galvanised sheet metal with epoxy powder coating, combined with plastic side profiles.

The unit is managed using the latest generation control units, featuring PID (proportional-integral) control to ensure undisputed advantages in terms of temperature and humidity control.

Options available include the iKS2 and ATS2 on-board control units, and iKSW2 and ATW remote control units with iHBS2 (in combination with the iKSW2 control unit) and HBS2 (in combination with the control ATW and ATS2 control units) board installed on the unit.

i-LIFE2 SLIM DLMV

version with cabinet, low air intake, vertical installation

i-LIFE2 SLIM DLMO

version with cabinet, low air intake, horizontal installation

i-LIFE2 SLIM DLRV

version with cabinet, low air intake with radiant effect, vertical installation

i-LIFE2 SLIM DLIU

version without cabinet, low air intake, universal installation

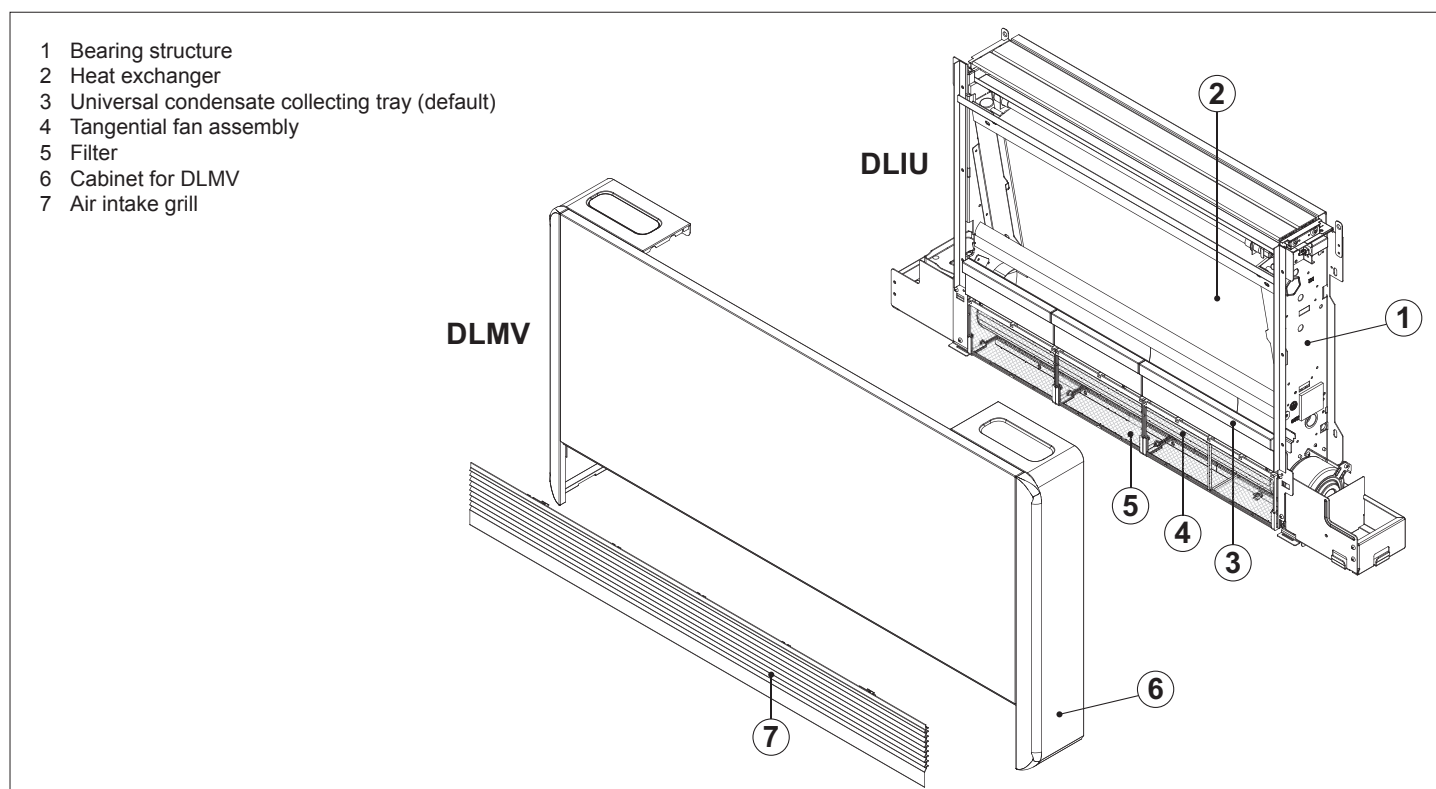
Cooling capacity from 0,76 to 3,76 kW.

Heating capacity from 0,89 to 4,36 kW.

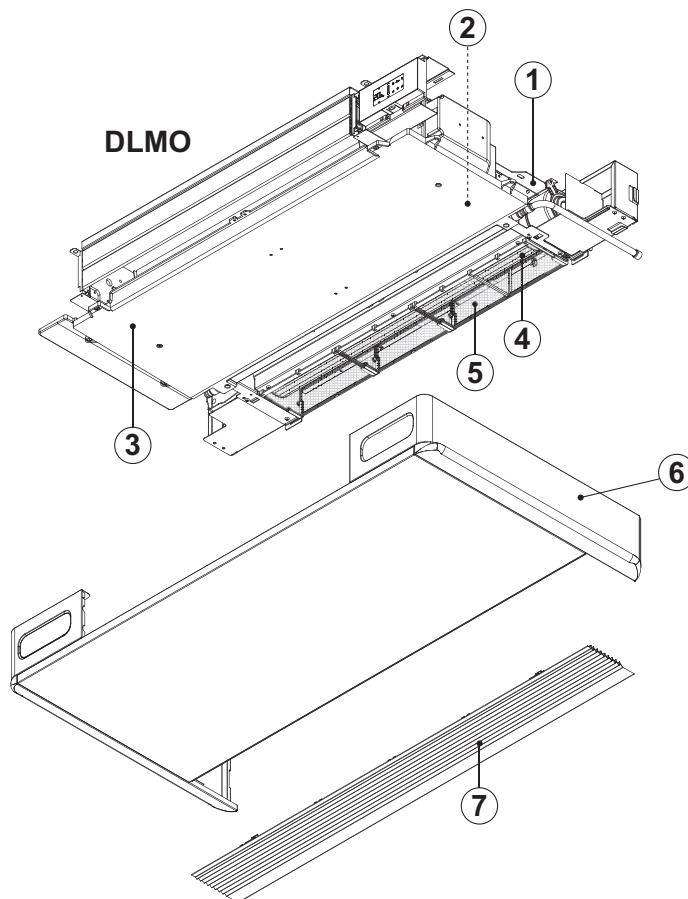
Standard left hand water connections.

It's possible to have right hand water connections ordering this special configuration at order stage.

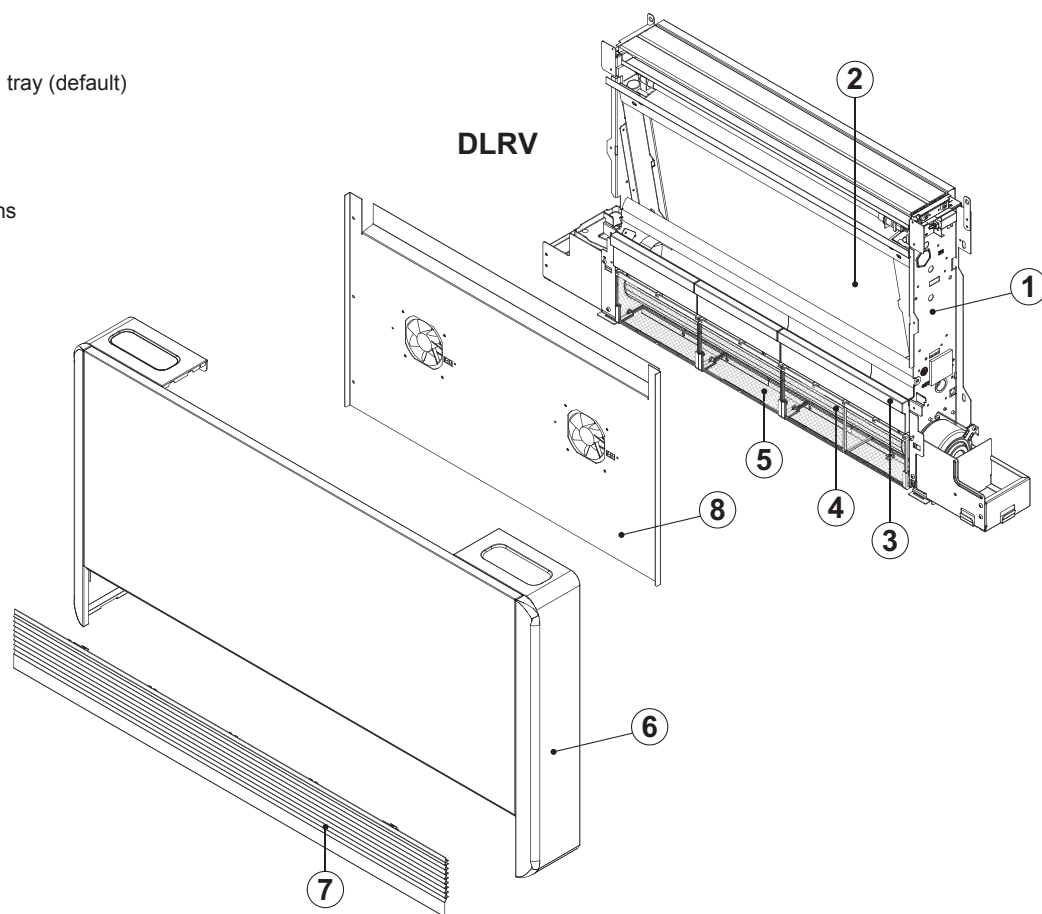
The water connections are not reversible on site.



- 1 Bearing structure
- 2 Heat exchanger
- 3 Condensate collection pan for horizontal installation
- 4 Tangential fan assembly
- 5 Filtro
- 6 Cabinet
- 7 Air intake grill



- 1 Bearing structure
- 2 Heat exchanger
- 3 Universal condensate collecting tray (default)
- 4 Tangential fan assembly
- 5 Filter
- 6 Cabinet
- 7 Air intake grill
- 8. Radiant panel with miniature fans



3. ACCESSORIES COMPATIBILITY

DESCRIPTION	i-LIFE2 SLIM			
	DLIU	DLMO	DLMV	DLRV
Horizontal pan kit for unit ceiling installation, i-LIFE2 SLIM DLMO 080		√		
Horizontal pan kit for unit ceiling installation, i-LIFE2 SLIM DLMO 170		√		
Horizontal pan kit for unit ceiling installation, i-LIFE2 SLIM DLMO 270		√		
Horizontal pan kit for unit ceiling installation, i-LIFE2 SLIM DLMO 320		√		
Horizontal pan kit for unit ceiling installation, i-LIFE2 SLIM DLMO 370		√		
iKS2 on-board PID electronic controller kit for DC motors (2-pipe units)		√	√	√
iHBS2 PID electronic board kit for wall-mounted remote control (2-pipe units)	√	√	√	√
iKSW2 remote control kit with room temperature probe (2-pipe units)	√	√	√	√
ATS2 on-board electronic controller kit for 4-speed DC motors		√	√	√
Kit ATW Remote control a 3 speed in combination a board HBS	√	√	√	√
HBS2 control board kit for 4-speed DC motors (traditional thermostats)	√	√	√	√
IRS2	√	√	√	√
IS2 board kit	√	√	√	√
Pair of adapters for flat gasket	√	√	√	√
3-way valve assembly WITHOUT balance and WITH thermoelectric motor	√	√	√	√
Manual 2-way VALVE assembly	√	√	√	√
Motorised 2-way VALVE assembly	√	√	√	√
Feet for anchoring the unit to floor, white RAL 9003			√	√
Feet for covering pipes in floor-standing units, white RAL 9003			√	√
Cosmetic rear panel, white RAL 9003 for i-LIFE2 SLIM 080			√	√
Cosmetic rear panel, white RAL 9003 for i-LIFE2 SLIM 170			√	√
Cosmetic rear panel, white RAL 9003 for i-LIFE2 SLIM 270 fan coil			√	√
Cosmetic rear panel, white RAL 9003 for i-LIFE2 SLIM 320 fan coil			√	√
Cosmetic rear metal panel, white RAL 9003 for i-LIFE2 SLIM 370 fan coil			√	√
Air intake plenum for i-LIFE2 SLIM DLIU 080	√			
Air intake plenum for i-LIFE2 SLIM DLIU 170	√			
Air intake plenum for i-LIFE2 SLIM DLIU 270	√			
Air intake plenum for i-LIFE2 SLIM DLIU 320	√			
Air intake plenum for i-LIFE2 SLIM DLIU 370	√			
Telescopic air outlet duct for i-LIFE2 SLIM DLIU 080	√			
Telescopic air outlet duct for i-LIFE2 SLIM DLIU 170	√			
Telescopic air outlet duct for i-LIFE2 SLIM DLIU 270	√			
Telescopic air outlet duct for i-LIFE2 SLIM DLIU 320	√			
Telescopic air outlet duct for i-LIFE2 SLIM DLIU 370	√			
Air outlet duct with 90° bend for i-LIFE2 SLIM DLIU 080	√			
Air outlet duct with 90° bend for i-LIFE2 SLIM DLIU 170	√			
Air outlet duct with 90° bend for i-LIFE2 SLIM DLIU 270	√			
Air outlet duct with 90° bend for i-LIFE2 SLIM DLIU 320	√			
Air outlet duct with 90° bend for i-LIFE2 SLIM DLIU 370	√			
Aluminium outlet with two rows of louvers for i-LIFE2 SLIM DLIU 080	√			
Aluminium outlet with two rows of louvers for i-LIFE2 SLIM DLIU 170	√			
Aluminium outlet with two rows of louvers for i-LIFE2 SLIM DLIU 370	√			
Aluminium outlet with two rows of louvers for i-LIFE2 SLIM DLIU 320	√			
Aluminium outlet with two rows of louvers for i-LIFE2 SLIM DLIU 370	√			

3. ACCESSORIES COMPATIBILITY

DESCRIPTION	i-LIFE2 SLIM			
	DLIU	DLMO	DLMV	DLRV
Aluminium intake grill with straight profile for i-LIFE2 SLIM DLIU 080	√			
Aluminium intake grill with straight profile for i-LIFE2 SLIM DLIU 170	√			
Aluminium intake grill with straight profile for i-LIFE2 SLIM DLIU 270	√			
Aluminium intake grill with straight profile for i-LIFE2 SLIM DLIU 320	√			
Aluminium intake grill with straight profile for i-LIFE2 SLIM DLIU 370	√			
Air sterilisation device with UVC lamp for i-LIFE2 SLIM 080	√	√	√	√
Air sterilisation device with UVC lamp for i-LIFE2 SLIM 170	√	√	√	√
Air sterilisation device with UVC lamp for i-LIFE2 SLIM 270	√	√	√	√
Air sterilisation device with UVC lamp for i-LIFE2 SLIM 320	√	√	√	√
Air sterilisation device with UVC lamp for i-LIFE2 SLIM 370	√	√	√	√
Galvanised sheet metal structure for built-in installation, i-LIFE2 SLIM DLIU 080	√			
Galvanised sheet metal structure for built-in installation, i-LIFE2 SLIM DLIU 170	√			
Galvanised sheet metal structure for built-in installation, i-LIFE2 SLIM DLIU 270	√			
Galvanised sheet metal structure for built-in installation, i-LIFE2 SLIM DLIU 320	√			
Galvanised sheet metal structure for built-in installation, i-LIFE2 SLIM DLIU 370	√			
Cosmetic cover panel with frame and intake grill for i-LIFE2 SLIM DLIU 080, white RAL 9003	√			
Cosmetic cover panel with frame and intake grill for i-LIFE2 SLIM DLIU 170, white RAL 9003	√			
Cosmetic cover panel with frame and intake grill for i-LIFE2 SLIM DLIU 270, white RAL 9003	√			
Cosmetic cover panel with frame and intake grill for i-LIFE2 SLIM DLIU 320, white RAL 9003	√			
Cosmetic cover panel with frame and intake grill for i-LIFE2 SLIM DLIU 370, white RAL 9003	√			
Cosmetic ceiling cover panel with frame and intake grill for i-LIFE2 SLIM DLIU 080, white RAL 9003	√			
Cosmetic ceiling cover panel with frame and intake grill for i-LIFE2 SLIM DLIU 170, white RAL 9003	√			
Cosmetic ceiling cover panel with frame and intake grill for i-LIFE2 SLIM DLIU 270, white RAL 9003	√			
Cosmetic ceiling cover panel with frame and intake grill for i-LIFE2 SLIM DLIU 320, white RAL 9003	√			
Cosmetic ceiling cover panel with frame and intake grill for i-LIFE2 SLIM DLIU 370, white RAL 9003	√			

4. UNIT DESCRIPTION

i-LIFE2 SLIM DLMO/DLMV/DLRV

Covering cabinet

Comprising components made from ABS for the sides and thick coated sheet metal for the front panel.

Bearing structure

Thick electro-galvanised sheet metal structure with high corrosion resistance.

For the DLMO units with horizontal installation, the condensate collection pan is required for operation in cooling mode.

Electro-galvanised sheet metal cover cabinet with RAL9003 oven-cured epoxy powder coat.

Heat exchange

Coil with corrugated aluminium fins and copper pipes.

Standard left hand water connections.

It's possible to have right hand water connections ordering this special configuration at order stage. The water connections are not reversible on site.

Fan motor

Tangential fan with staggered blades to ensure very low noise, fitted on EPDM vibration dampers.

Statically and dynamically balanced impeller, coupled directly to the motor shaft.

Air filter

Polypropylene honeycomb air filter, regenerable by washing in water or blowing with air. Class G1 in accordance with EN779.

i-LIFE2 SLIM DLIU

Bearing structure

Thick electro-galvanised sheet metal structure with high corrosion resistance.

The reduced depth means the units can be installed even in narrow walls and false-ceilings.

The extremely low noise makes the units the ideal solution for air-conditioning all types of rooms, especially bedrooms in private homes and hotels.

A wide range of accessories is available to allow every type of installation in combination with different systems.

The units are fitted as standard with double condensate collection pan for both horizontal and vertical installation.

The front cover panel for the built-in structure is available in both the wall-mounted and ceiling-hung version.

The front panel allows the air filter to be cleaned easily by removing the front grill, as well as easy access to the terminal for maintenance.

Heat exchange

Coil with corrugated aluminium fins and copper pipes.

Eurokonus threaded fittings. The coil is fitted with a sensor for measuring the water temperature.

Fan motor

Tangential fan with staggered blades to ensure very low noise, fitted on EPDM vibration dampers..

Statically and dynamically balanced impeller, coupled directly to the motor shaft.

Air filter

Polypropylene honeycomb air filter, regenerable by washing in water or blowing with air. Class G1 in accordance with EN779.

5. OPERATING LIMITS

Operating mode	Room air temperature		Water inlet temperature	
	Min	Max	Min	Max
Cooling / Heating °C	5	32	4	80

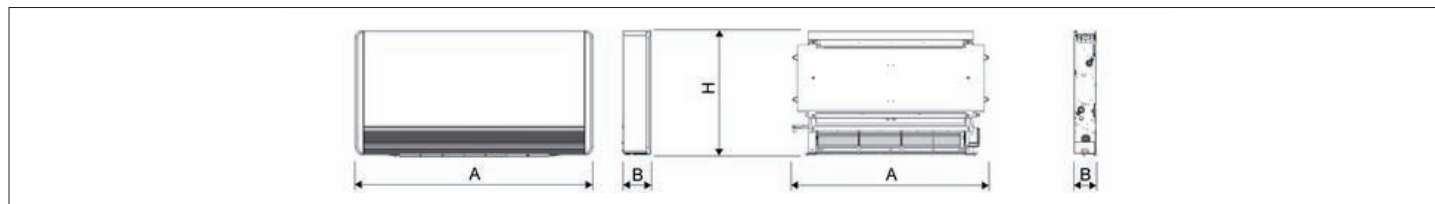
Maximum water pressure 1,000 kPa

⚠ For correct operation, the fan coil must only be used within the range of temperatures specified in the table. If the unit is operated outside of these limits, malfunctions or pressure drop may occur.

6. TECHNICAL DATA SHEET

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	346
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	2	1	6	5	6
Total capacity (heating mode)	(2)	kW	0,50	1,06	1,54	2,22	2,48
Total Net Heating Capacity	(2)(6)	kW	0,50	1,06	1,54	2,22	2,48
Water flow in heating mode	(2)	l/s	0,02	0,05	0,07	0,11	0,12
Pressure drop in heating mode	(2)	kPa	3	2	8	9	10
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	3	15	11	13
Total capacity (heating mode)	(2)	kW	0,78	1,65	2,40	3,07	3,41
Total Net Heating Capacity	(2)(6)	kW	0,78	1,66	2,41	3,08	3,43
Water flow in heating mode	(2)	l/s	0,04	0,08	0,12	0,15	0,16
Pressure drop in heating mode	(2)	kPa	6	5	19	16	20
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	5	24	17	24
Total capacity (heating mode)	(2)	kW	0,88	2,11	3,27	3,88	4,33
Total Net Heating Capacity	(2)(6)	kW	0,89	2,13	3,29	3,91	4,36
Water flow in heating mode	(2)	l/s	0,04	0,10	0,16	0,19	0,21
Pressure drop in heating mode	(2)	kPa	8	8	33	25	32
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

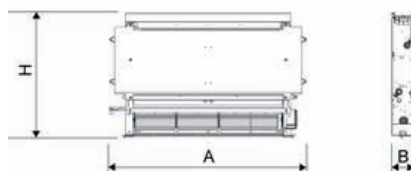
Notes:
 1 Room temperature 27 °C d.b./19 °C w.b.; Chilled water (in/out) 7/12 °C.
 2 Room temperature 20 °C d.b.; Hot water (in/out) 45/40 °C
 3 Sound pressure level in free field on a reflective surface, 1 m from fan front and 1 m from the ground. Non -binding value obtained from sound power level.
 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 EN14511-3:2013.
 7 Values in compliance with [REGULATION (UE) N.2016/2281]
 Certified data in EUROVENT



6. TECHNICAL DATA SHEET

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	346
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	2	1	6	5	6
Total capacity (heating mode)	(2)	kW	0,50	1,06	1,54	2,22	2,48
Total Net Heating Capacity	(2)(6)	kW	0,50	1,06	1,54	2,22	2,48
Water flow in heating mode	(2)	l/s	0,02	0,05	0,07	0,11	0,12
Pressure drop in heating mode	(2)	kPa	3	2	8	9	10
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	3	15	11	13
Total capacity (heating mode)	(2)	kW	0,78	1,65	2,40	3,07	3,41
Total Net Heating Capacity	(2)(6)	kW	0,78	1,66	2,41	3,08	3,43
Water flow in heating mode	(2)	l/s	0,04	0,08	0,12	0,15	0,16
Pressure drop in heating mode	(2)	kPa	6	5	19	16	20
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	5	24	17	24
Total capacity (heating mode)	(2)	kW	0,88	2,11	3,27	3,88	4,33
Total Net Heating Capacity	(2)(6)	kW	0,89	2,13	3,29	3,91	4,36
Water flow in heating mode	(2)	l/s	0,04	0,10	0,16	0,19	0,21
Pressure drop in heating mode	(2)	kPa	8	8	33	25	32
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

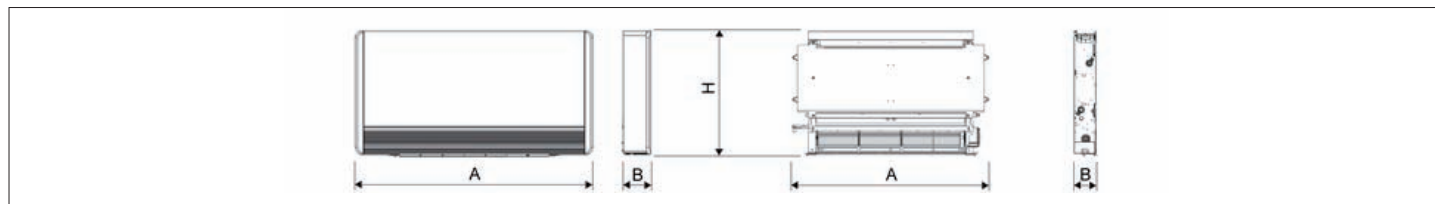
Notes:
 1 Room temperature 27 °C d.b./19 °C w.b.; Chilled water (in/out) 7/12 °C.
 2 Room temperature 20 °C d.b.; Hot water (in/out) 45/40 °C
 3 Sound pressure level in free field on a reflective surface, 1 m from fan front and 1 m from the ground. Non -binding value obtained from sound power level.
 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 EN14511-3:2013.
 7 Values in compliance with [REGULATION (UE) N.2016/2281]
 Certified data in EUROVENT



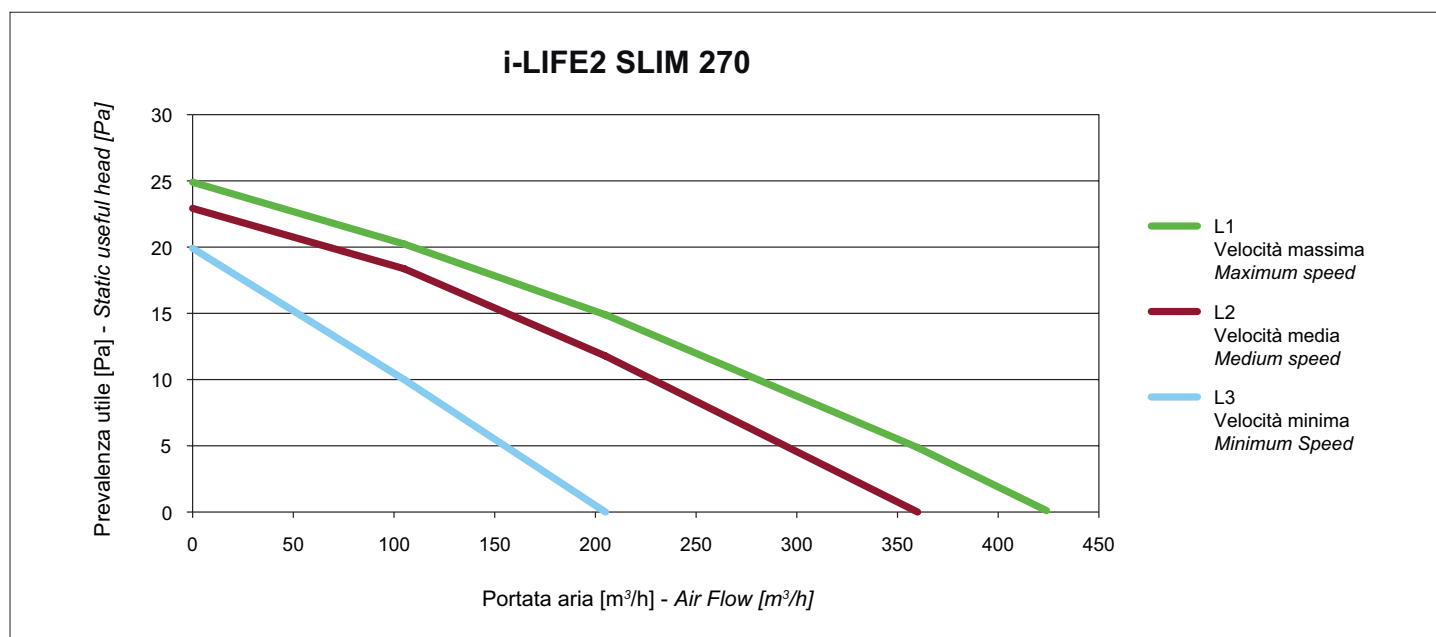
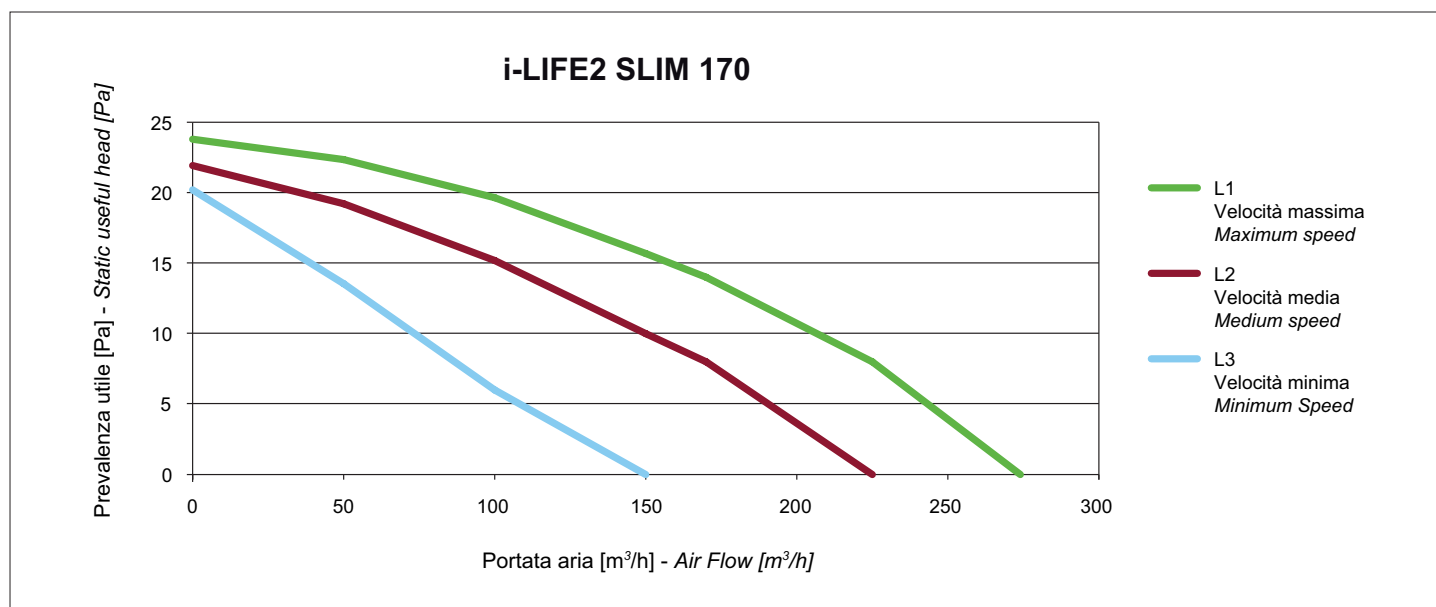
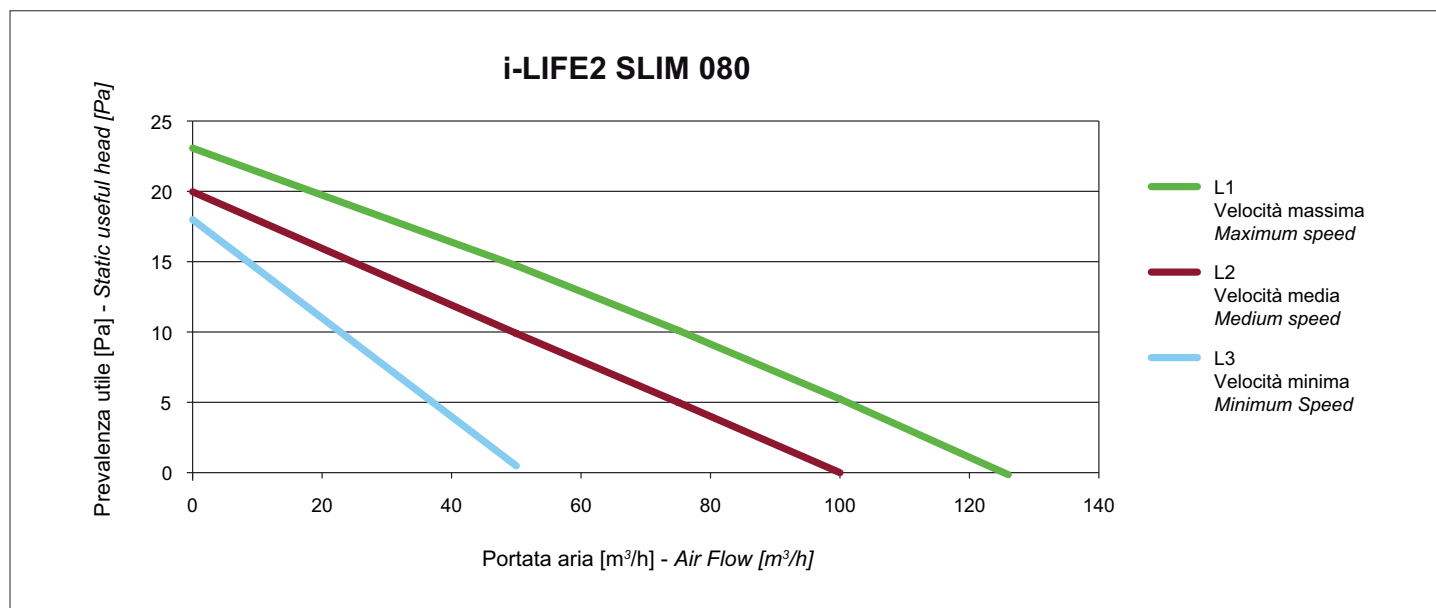
6. TECHNICAL DATA SHEET

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	346
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	2	1	6	5	6
Total capacity (heating mode)	(2)	kW	0,50	1,06	1,54	2,22	2,48
Total Net Heating Capacity	(2)(6)	kW	0,50	1,06	1,54	2,22	2,48
Water flow in heating mode	(2)	l/s	0,02	0,05	0,07	0,11	0,12
Pressure drop in heating mode	(2)	kPa	3	2	8	9	10
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	3	15	11	13
Total capacity (heating mode)	(2)	kW	0,78	1,65	2,40	3,07	3,41
Total Net Heating Capacity	(2)(6)	kW	0,78	1,66	2,41	3,08	3,43
Water flow in heating mode	(2)	l/s	0,04	0,08	0,12	0,15	0,16
Pressure drop in heating mode	(2)	kPa	6	5	19	16	20
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	5	24	17	24
Total capacity (heating mode)	(2)	kW	0,88	2,11	3,27	3,88	4,33
Total Net Heating Capacity	(2)(6)	kW	0,89	2,13	3,29	3,91	4,36
Water flow in heating mode	(2)	l/s	0,04	0,10	0,16	0,19	0,21
Pressure drop in heating mode	(2)	kPa	8	8	33	25	32
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

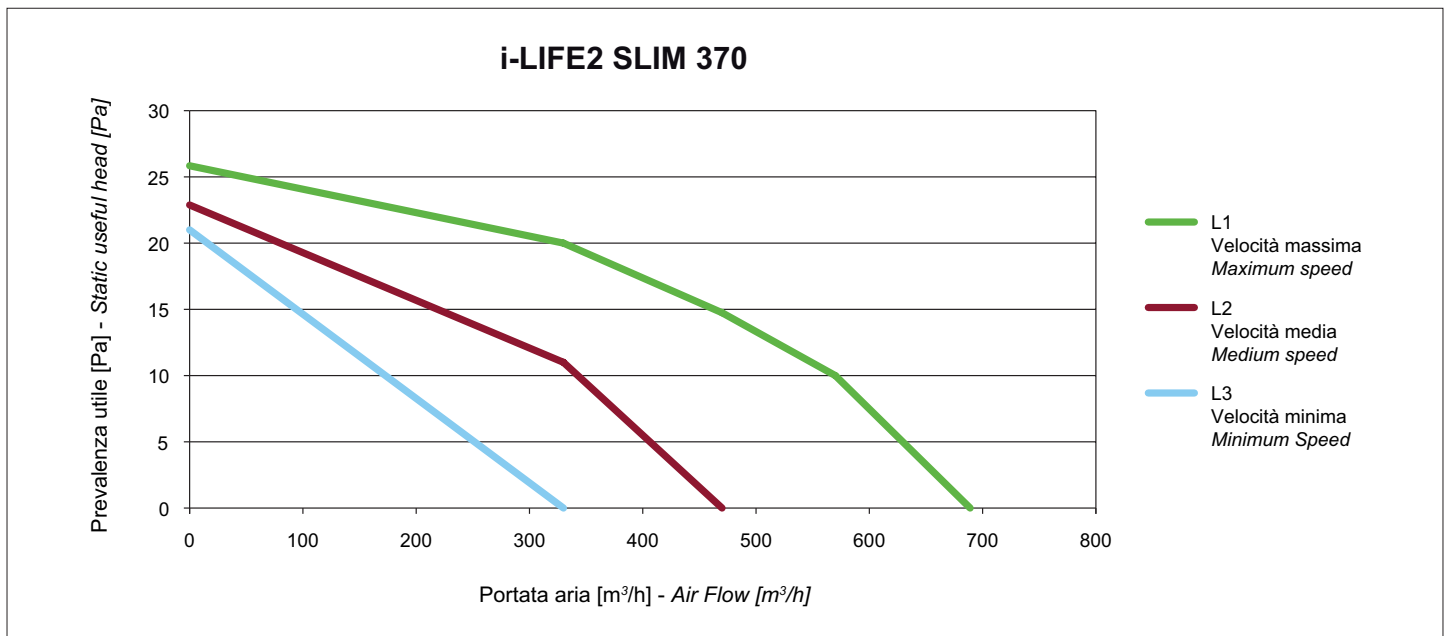
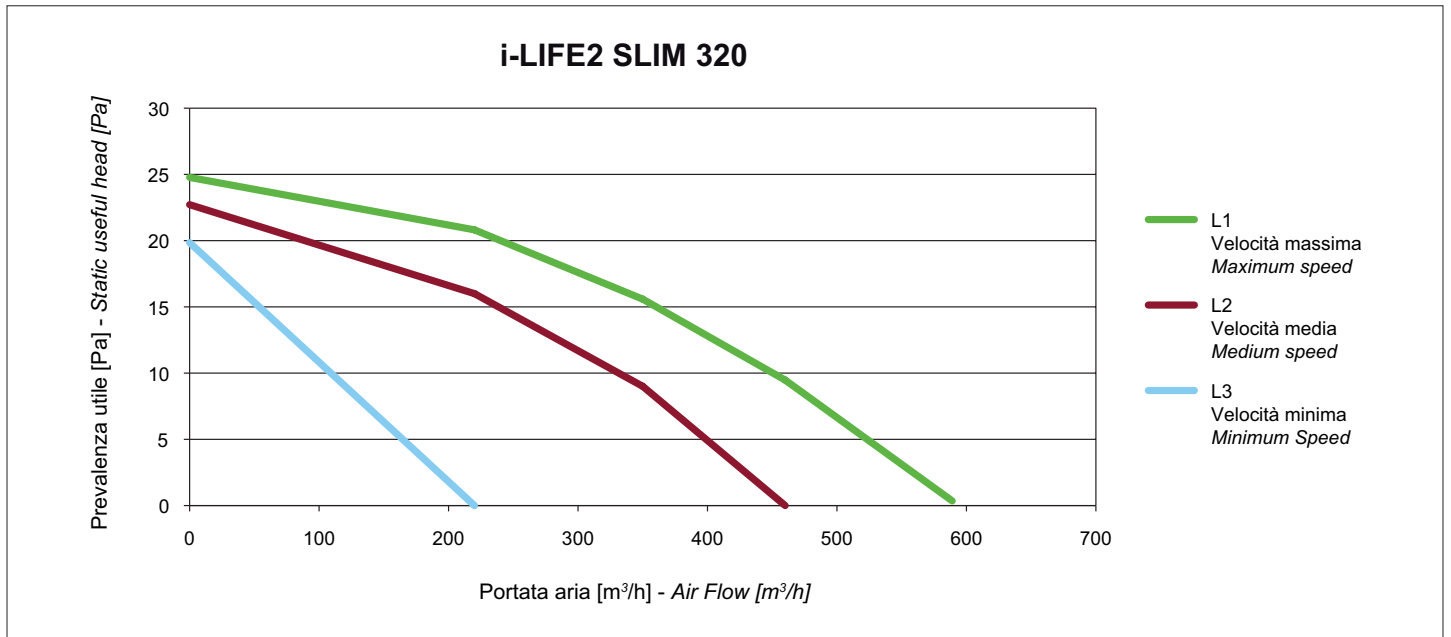
Notes:
 1 Room temperature 27 °C d.b./19 °C w.b.; Chilled water (in/out) 7/12 °C.
 2 Room temperature 20 °C d.b.; Hot water (in/out) 45/40 °C
 3 Sound pressure level in free field on a reflective surface, 1 m from fan front and 1 m from the ground. Non -binding value obtained from sound power level.
 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.
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 Certified data in EUROVENT



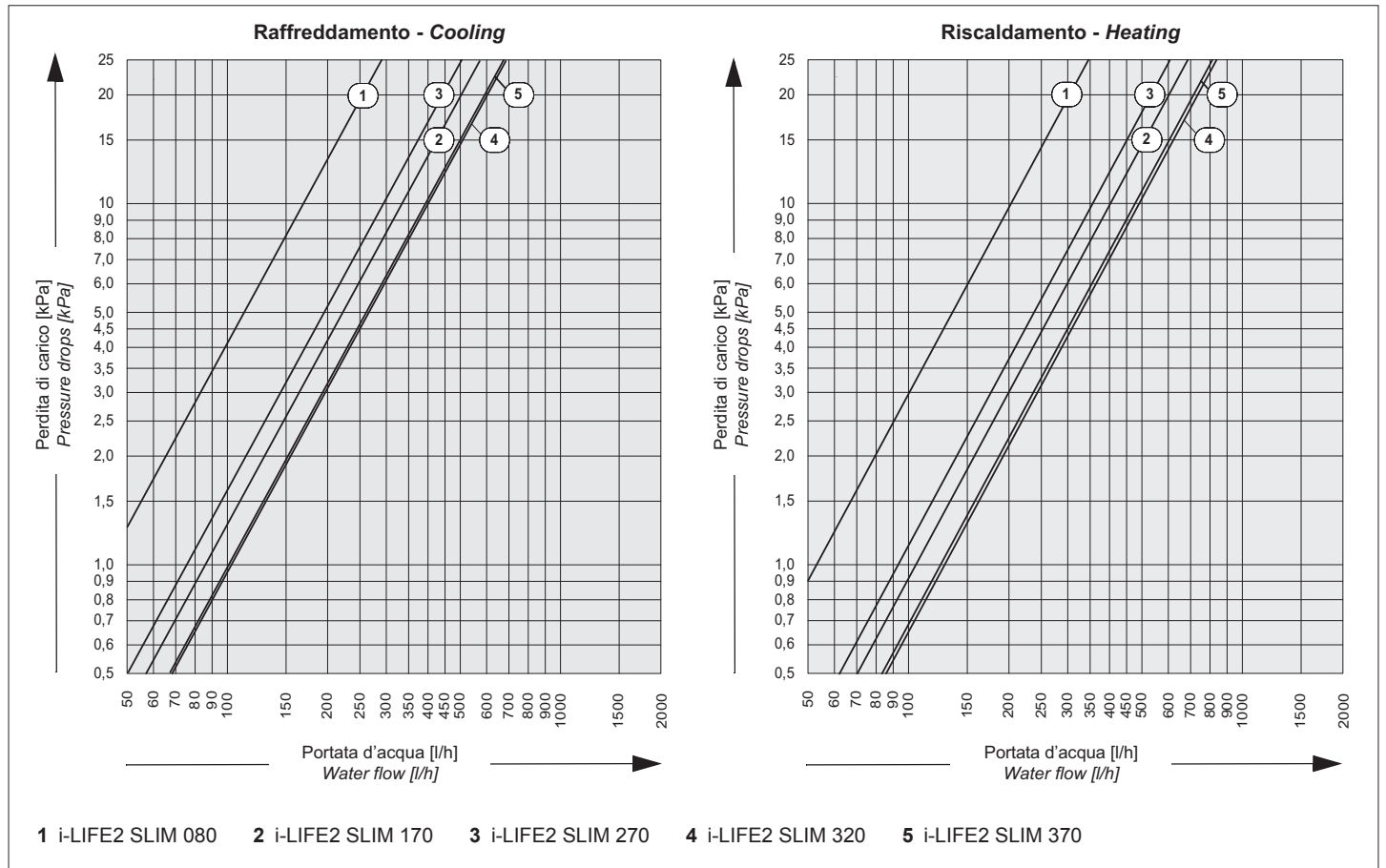
7. FAN PERFORMANCES CURVES



7. FAN PERFORMANCES CURVES



8. PRESSURE DROP



9. SOUND PRESSURE LEVEL

Model		i-LIFE2 SLIM 080			i-LIFE2 SLIM 170			i-LIFE2 SLIM 270			i-LIFE2 SLIM 320			i-LIFE2 SLIM 370		
		DLMV/O	DLRV	DLI	DLMV/O	DLRV	DLI	DLMV/O	DLRV	DLI	DLMV/O	DLRV	DLI	DLMV/O	DLRV	DLI
(g) Sound pressure at maximum air flow	dB(A)	41	41	41	42	42	42	44	44	44	46	46	46	47	47	47
(g) Sound pressure at medium air flow	dB(A)	35	35	35	36	36	36	37	37	37	38	38	38	39	39	39
(g) Sound pressure at minimum air flow	dB(A)	24	24	24	26	26	26	27	27	27	27	27	27	31	31	31

(g) Sound Pressure on the bases of measurements made in semianecoic chamber in compliance with ISO 7779

10. SOUND POWER LEVEL

Model		i-LIFE2 SLIM 080			i-LIFE2 SLIM 170			i-LIFE2 SLIM 270			i-LIFE2 SLIM 320			i-LIFE2 SLIM 370		
		DLMV/O	DLRV	DLI	DLMV/O	DLRV	DLI	DLMV/O	DLRV	DLI	DLMV/O	DLRV	DLI	DLMV/O	DLRV	DLI
(g) Max speed sound power	dB(A)	50	50	50	51	51	51	53	53	53	55	55	55	56	56	56
(g) Med speed sound power	dB(A)	44	44	44	45	45	45	46	46	46	47	47	47	48	48	48
(g) Min speed sound power	dB(A)	33	33	33	35	35	35	36	36	36	36	36	36	40	40	40

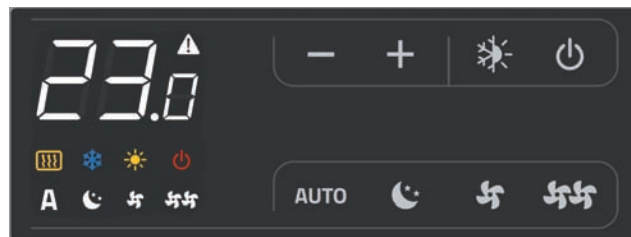
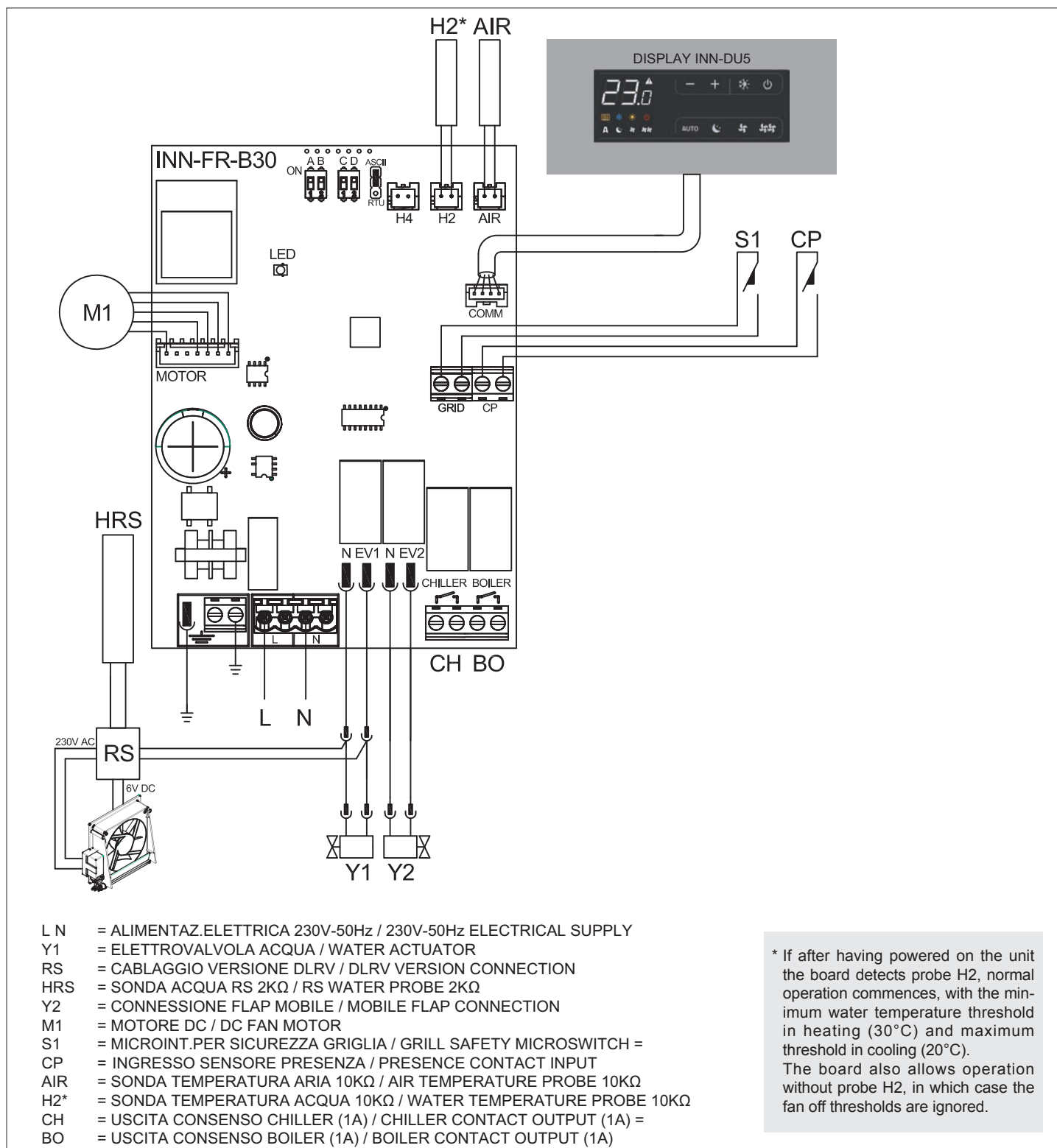
(g) Sound Pressure on the bases of measurements made in semianecoic chamber in compliance with ISO 7779

i-LIFE2 SLIM 080		100 Hz	125 Hz	160 Hz	200 Hz	250 Hz	315 Hz	400 Hz	500 Hz	630 Hz	800 Hz	1 kHz	1.25 kHz	1.6 kHz	2 kHz	2.5 kHz	3.15 kHz	4 kHz	5 kHz	6.3 kHz	8 kHz	10 kHz	dB(A)
dB(A)	Max Speed	46,5	24,5	20,4	26,1	29,8	27,3	27,2	26	25	21,9	19,8	19,3	15,6	14	10,2	14,2	12,6	15,5	14,8	13,2	16,8	33,0
dB(A)	Med Speed	48,8	30,1	31,2	32,1	35,9	42,6	37,5	35,9	36,5	36,8	34,6	32,9	30,8	29,5	25,8	24,3	20,7	19,5	17,8	15,5	18,9	44,0
dB(A)	Min Speed	49,2	34	36,5	37,2	39,9	43,3	45,4	41	40,5	43,5	41,8	39,8	38	37,2	34,1	32,8	29,5	26,8	23,2	19	18,8	50,0
i-LIFE2 SLIM 170		100 Hz	125 Hz	160 Hz	200 Hz	250 Hz	315 Hz	400 Hz	500 Hz	630 Hz	800 Hz	1 kHz	1.25 kHz	1.6 kHz	2 kHz	2.5 kHz	3.15 kHz	4 kHz	5 kHz	6.3 kHz	8 kHz	10 kHz	dB(A)
dB(A)	Max Speed	39,9	22,8	23,8	26,8	31,2	30,9	29	31,9	28,4	25,6	23,6	22,4	19,9	18	13,6	14,2	11,7	14	13,6	11,7	15,3	35,0
dB(A)	Med Speed	43,4	30,8	32,3	34,1	36,3	41,5	37,1	36,5	40,9	38	35,2	33,7	31,6	30,4	26,4	24,8	20,8	19,5	17,6	15,3	18,7	45,0
dB(A)	Min Speed	40,4	34,8	37,6	38,8	40,2	43,1	45	41,3	41	46,3	42,6	40,7	38,9	38,2	34,9	33,6	30	27,1	23,2	19	18,6	51,0
i-LIFE2 SLIM 270		100 Hz	125 Hz	160 Hz	200 Hz	250 Hz	315 Hz	400 Hz	500 Hz	630 Hz	800 Hz	1 kHz	1.25 kHz	1.6 kHz	2 kHz	2.5 kHz	3.15 kHz	4 kHz	5 kHz	6.3 kHz	8 kHz	10 kHz	dB(A)
dB(A)	Max Speed	41,1	23	24,8	27,6	30,7	30,3	29,2	33,3	29	26,8	26,5	23,7	21	18,4	14,3	14,4	11,4	13,3	13,3	11,3	14,9	36,0
dB(A)	Med Speed	47,1	31	33,1	35,9	37,1	40,4	38	37,9	42	39	36	34,9	32,7	31,3	27,5	26,1	22,2	19,8	18,2	15,7	18,7	46,0
dB(A)	Min Speed	50,2	37,3	40	42,3	43,1	45,5	45,9	44	43,5	47,2	44,7	42,9	41,9	40,4	37,2	36,3	32,7	29,7	25,8	21,8	21,2	53,0
i-LIFE2 SLIM 320		100 Hz	125 Hz	160 Hz	200 Hz	250 Hz	315 Hz	400 Hz	500 Hz	630 Hz	800 Hz	1 kHz	1.25 kHz	1.6 kHz	2 kHz	2.5 kHz	3.15 kHz	4 kHz	5 kHz	6.3 kHz	8 kHz	10 kHz	dB(A)
dB(A)	Max Speed	33,3	23,3	26,2	32,7	28,6	34,1	29,8	29,3	26,2	25,2	24,9	31,4	19	14,8	11,6	11,6	13,1	13,8	14,6	15,8	18,3	36,4
dB(A)	Med Speed	34,8	34	36,9	40,2	40,1	41,2	39,8	39,9	43	39,3	37,4	36,2	33,3	31,4	27,3	26,3	23,2	23	22,4	20,5	24,4	47,0
dB(A)	Min Speed	43,4	45,8	43,3	44,8	46,3	47,4	46,2	45,5	45,3	51,1	45,8	44,9	42,8	41,5	38,2	36,9	33,4	30,7	27,1	23,6	24,6	55,0
i-LIFE2 SLIM 370		100 Hz	125 Hz	160 Hz	200 Hz	250 Hz	315 Hz	400 Hz	500 Hz	630 Hz	800 Hz	1 kHz	1.25 kHz	1.6 kHz	2 kHz	2.5 kHz	3.15 kHz	4 kHz	5 kHz	6.3 kHz	8 kHz	10 kHz	dB(A)
dB(A)	Max Speed	45,7	30,8	31	34,3	33,2	36,3	33,1	36,1	31,4	30,6	28,7	25,7	22,9	20,7	16,6	15,9	16,3	16,6	17,5	17,6	20,6	39,2
dB(A)	Med Speed	45,5	40,7	37,8	42,4	40,7	42,3	40,2	40,1	43	41,4	38,5	36,9	34,8	33	29,8	28,3	25	23,3	21,6	19	21,5	48,0
dB(A)	Min Speed	50,2	49	47,8	45,8	47,8	48,4	47,1	46,2	46,2	52,2	47,1	45,2	43,3	42,1	39,4	38,4	34,9	32	28,2	24,5	23,9	56,0

11. FANCOIL CONTROLS

iKS2 On-board electronic controller for units with casing

This controller ensures completely independent room temperature control, in AUTO, SILENT, NIGHT-TIME and MAX operating modes, using a probe located at the bottom of the appliance, guaranteeing frost protection even when in standby. The water temperature probe fitted in the socket on the coil in the appliance is used to manage the minimum temperature function in heating (30°C) and maximum in cooling (20°C).

**Electrical connections**

* If after having powered on the unit the board detects probe H2, normal operation commences, with the minimum water temperature threshold in heating (30°C) and maximum threshold in cooling (20°C). The board also allows operation without probe H2, in which case the fan off thresholds are ignored.

11. FANCOIL CONTROLS

AT2S On-board LCD electronic controller with 4-speed operation

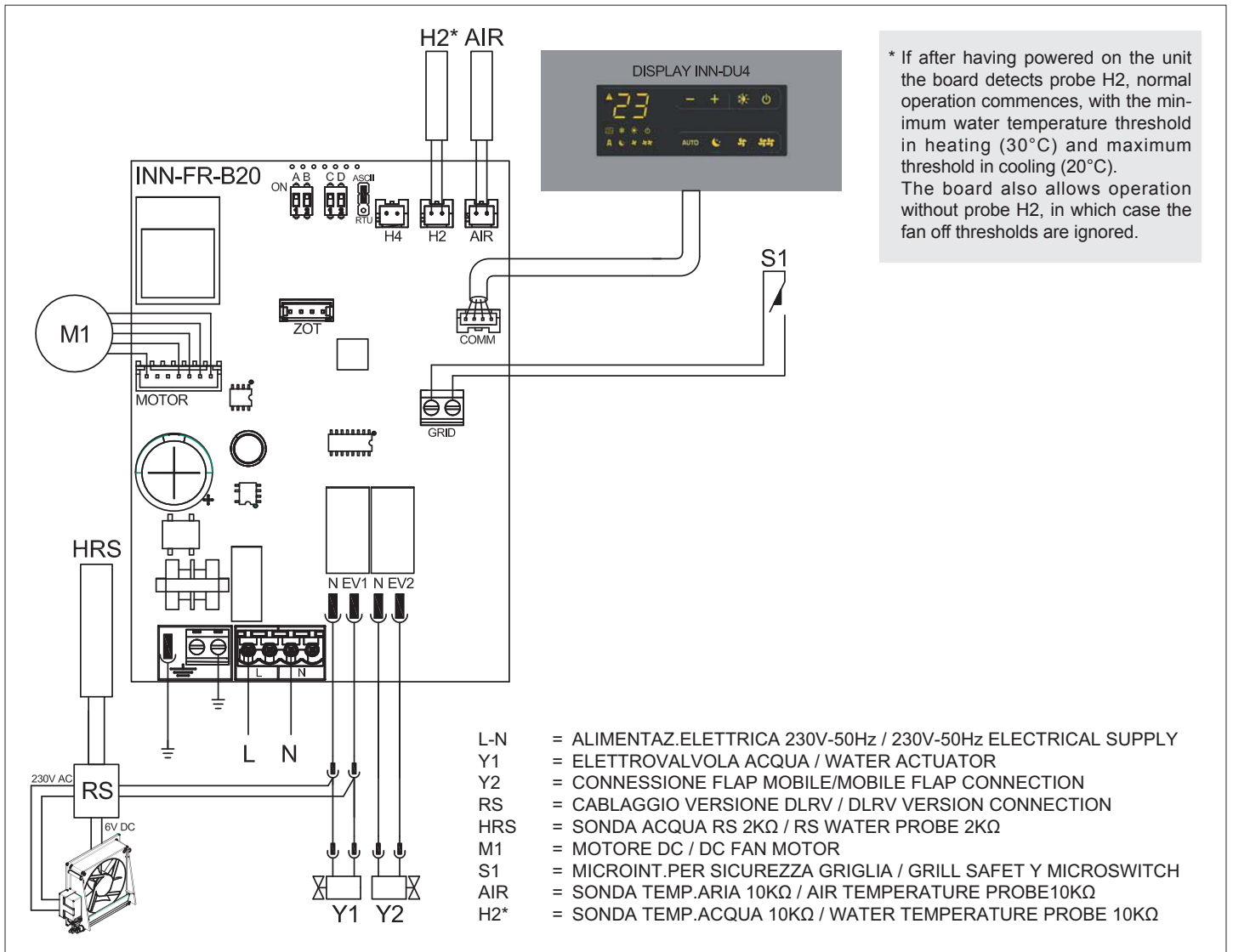
This controller ensures completely independent room temperature control, allowing set point selection in the range from 5 to 40°C, 4-speed operation and cooling/heating mode.

Being connected to the probe that measures the water temperature inside the coil, the signal to activate the fan is enabled when reaching a suitable water temperature.

(below 20° in cooling and above 30° in heating).



Electrical connections



11. FANCOIL CONTROLS

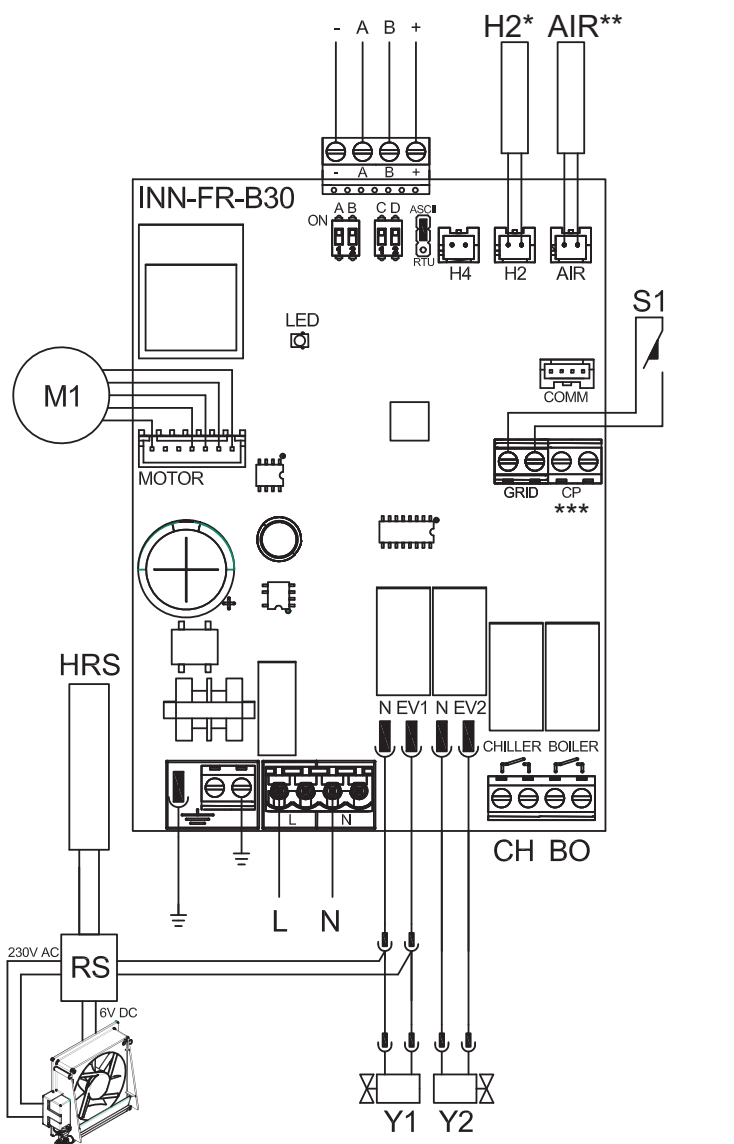
iHBS2 Electronic controller

The iHBS2 electronic board for remote control allows all of the fan coil functions to be managed from the iKSW2 wall-mounted remote control. The same remote control can manage up to a maximum of 30 fan coils, operating in broadcast mode (commands sent simultaneously to all the fan coils).

The electronic board can be installed on all versions, and features a green LED that indicates the operating status and any errors. The water temperature probe fitted in the socket on the coil in the appliance is used to manage the minimum temperature function in heating (30°C) and maximum in cooling (20°C).

The main operating parameters, set point and room temperature are sent by the iKSW2 wall-mounted remote control to all the terminals connected in the network, thus ensuring uniform operation.

Electrical connections



- L-N = ALIMENTAZIONE ELETTRICA 230V-50Hz / 230V-50Hz ELECTRICAL SUPPLY
- Y1 = ELETTRICITÀ ACQUA / WATER ACTUATOR
- Y2 = CONNESSIONE FLAP MOBILE / MOBILE FLAP CONNECTION
- RS = CABLAGGIO VERSIONE DLRV / DLRV VERSION CONNECTION
- HRS = SONDA ACQUA RS 2KΩ / RS WATER PROBE 2KΩ
- M1 = MOTORE DC / DC FAN MOTOR
- S1 = MICROINT. PER SICUREZZA GRIGLIA / GRILL SAFETY MICROSWITCH
- CP*** = INGRESSO SENSORE PRESENZA / PRESENCE CONTACT INPUT
- AB+ = COLLEGAMENTI PER CONTROLLO A MURO / WALL PANEL CONNECTIONS
- H2* = SONDA TEMPERATURA ACQUA 10KΩ / WATER TEMPERATURE PROBE 10KΩ
- CH = USCITA CONSENSO CHILLER (1A) / CHILLER CONTACT OUTPUT (1A)
- BO = USCITA CONSENSO BOILER (1A) / BOILER CONTACT OUTPUT (1A)
- AIR** = SONDA ARIA OPZIONALE / OPTION AIR TEMPERATURE PROBE

* If after having powered on the unit the board detects probe H2, normal operation commences, with the minimum water temperature threshold in heating (30°C) and maximum threshold in cooling (20°C). The board also allows operation without probe H2, in which case the fan off thresholds are ignored.

** Connect as an alternative to the probe on the iKSW2 wall-mounted controller

*** In this version, contact CP cannot be used, as it is only managed by the iKSW2 wall-mounted controller.

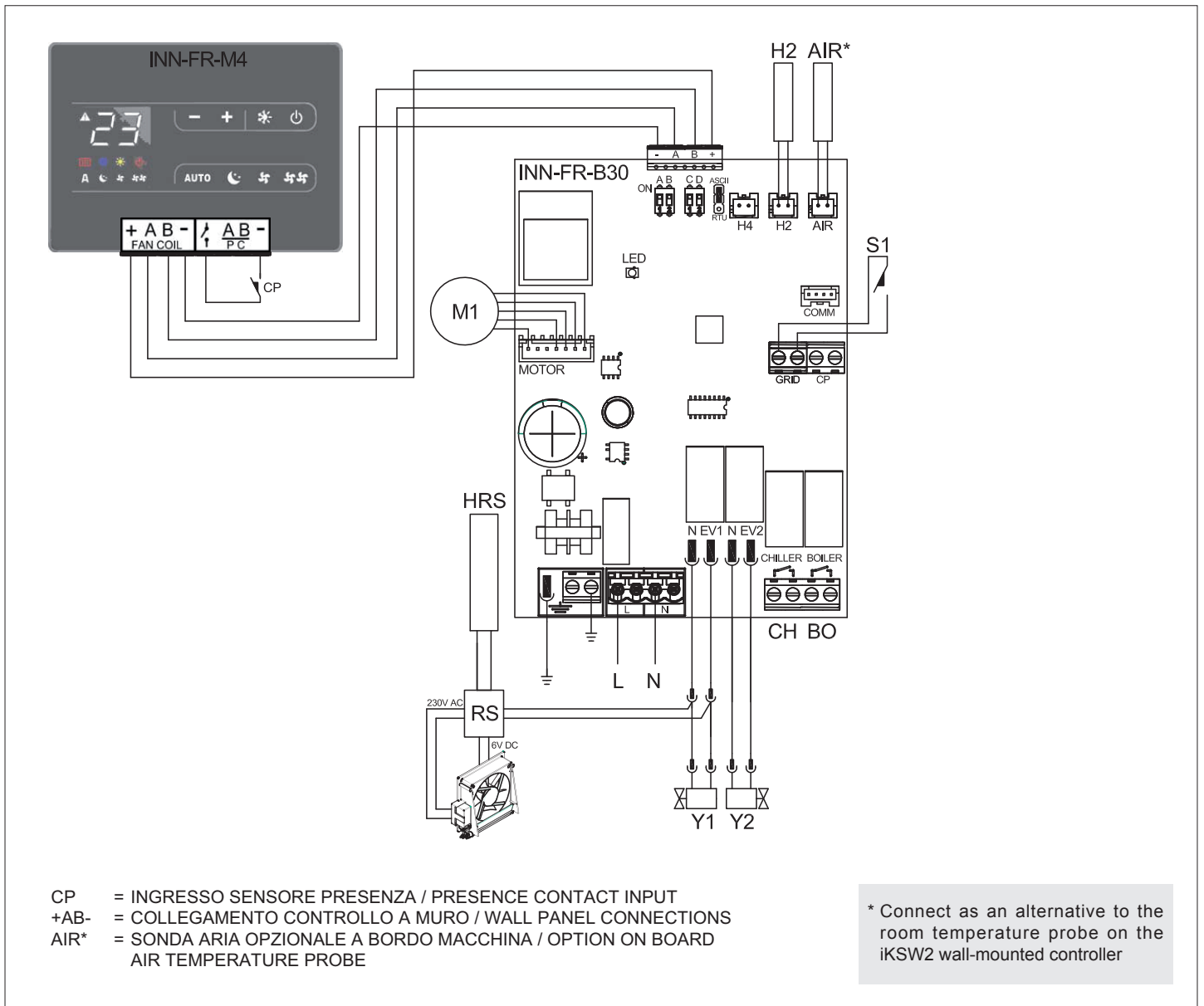
11. FANCOIL CONTROLS

iKSW2 Remote control for built-in units or units with casing

The iKSW2 wall-mounted remote control is an electronic thermostat fitted with room temperature probe that can be used to control one or more (maximum 30) units (with simultaneous transmission of the commands), each fitted with the iHBS2 electronic board for operation via remote control.



Electrical connections



11. COMANDI FAN-COIL

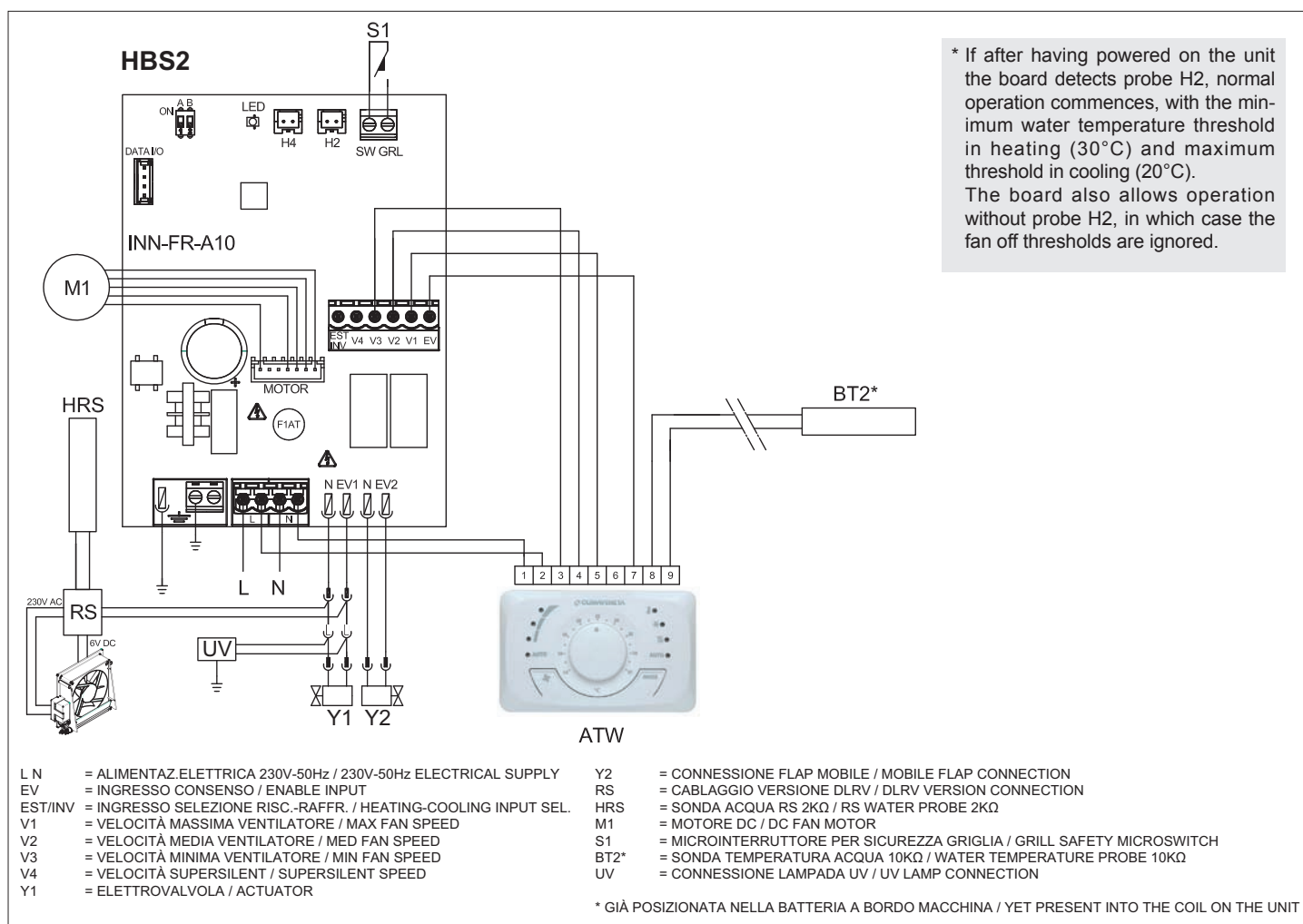
ATW wall-mounted control

The ATW control is used to regulate the air (3 speeds + auto), the temperature through electronic thermostat, to select the summer / winter / auto mode of operation and to switch the fan-coil on / off.



Temperature selector	
Adjust the temperature as required by turning the temperature selector from +14°C to 30°C.	
Function selector	MODE
Select the mode of operation pushing the MODE button.	
Mode led	
Cooling	✱
Heating	≡
Off	○
Automatic setting	AUTO
Speed button	
Select the fan speed pushing the button. The repeated pressure of fan button determines speed required.	
Maximum fan speed	
Medium fan speed	
Minimum fan speed	
Automatic fan speed	AUTO
Led	
Blue LED: Heating / Cooling plus regulator call Blue LED blinking: Hot start / Too Cool function active	
Blue LED: operation in Cooling mode	✱
Blue LED: operation in Heating mode	≡
Blue LED: automatic cooling / heating mode selection	AUTO

Electrical connections

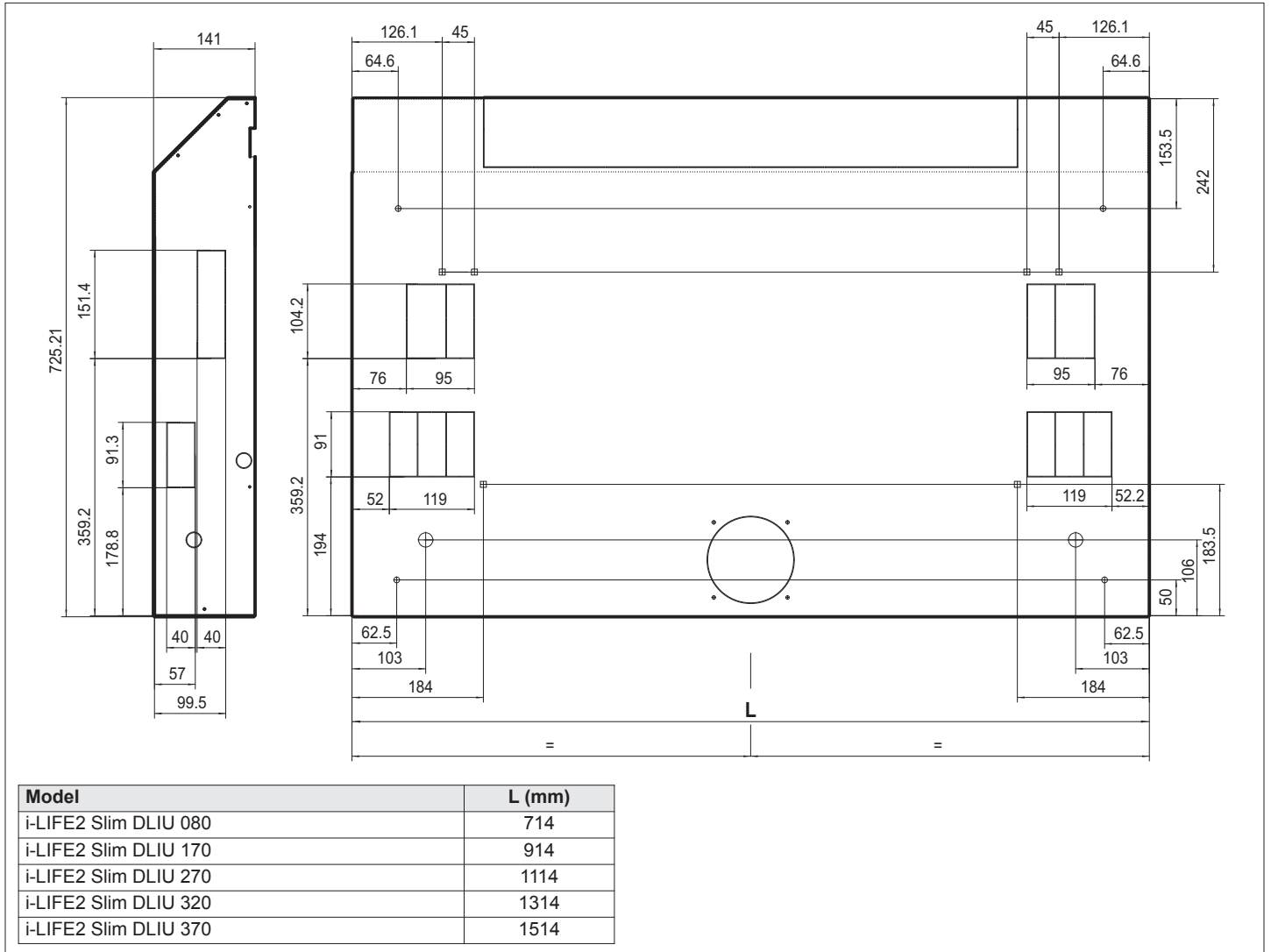


12. ACCESSORIES

i-LIFE2 SLIM Concealed Box

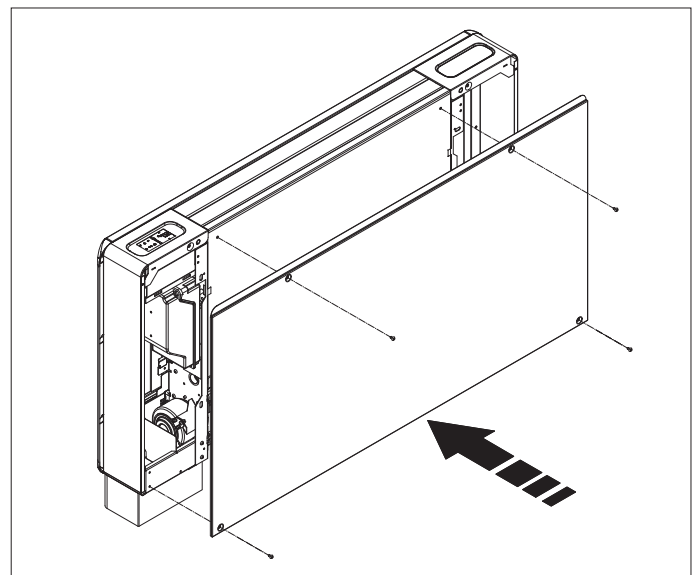
Made of galvanised steel, the box houses the fan coil. The box is recessed in the wall during building work making the construction of a niche where the fan coils will be installed easier. Holes for fitting the fan coil and preparing an electric plant with a socket are already present on the back panel.

The box can arrange the hydraulic system pipes and condensation drain pipes thanks to the presence of several easily-removable elements on the sides and base.



Rear closing panel kit

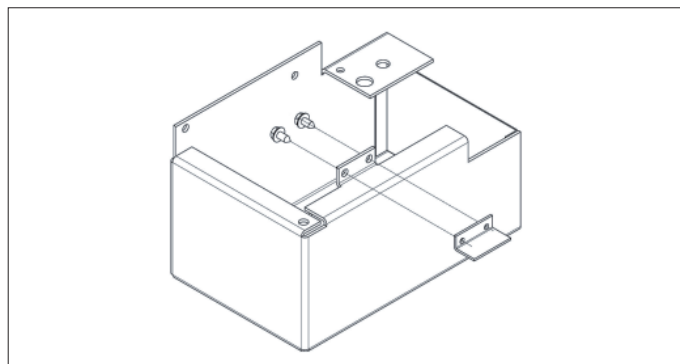
Use the rear closing panel when the back of the fan coil is in view (for example, in front of a window). The rear closure panel must be installed together with the GROUND ANCHOR FEET KIT.



12. ACCESSORIES

Ground anchor feet kit

Use this kit when installing the fan-coil on the floor in front of windows or when wall installation is not possible



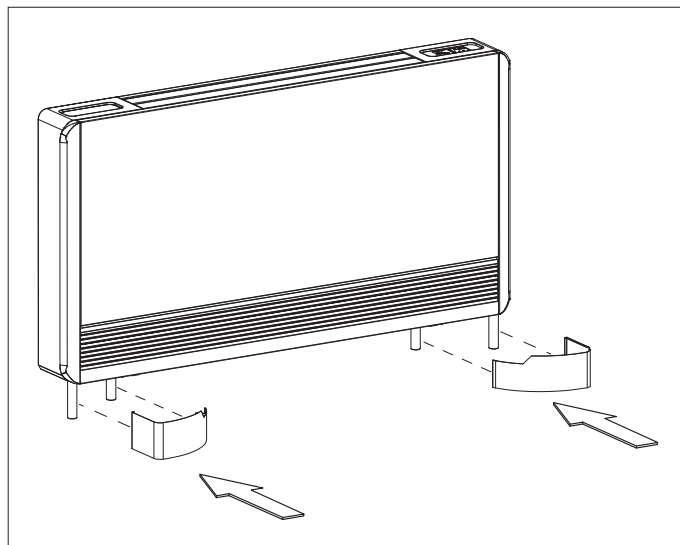
Aesthetic feet kit for vertical wall mounted installation

These accessories cover the hydraulic pipes coming up through the floor. They should be fitted on appliances anchored to the back wall.

They have a sleek design and are also easy to remove for maintenance or cleaning.

These Feet should not be used to anchor the terminal to the ground; the feet are designed specifically for this purpose.

Feet RAL 9003 white



2-way manual valve kit

This comprises a manual valve and a lockshield valve featuring micrometre adjustment for balancing pressure drop in the system.



2-way valve kit with thermoelectric motor

This comprises an automatic valve with thermoelectric head and a lockshield valve featuring micrometre adjustment for balancing pressure drop in the system.

The kit also includes the insulation to be installed on the valve and the lockshield valve.

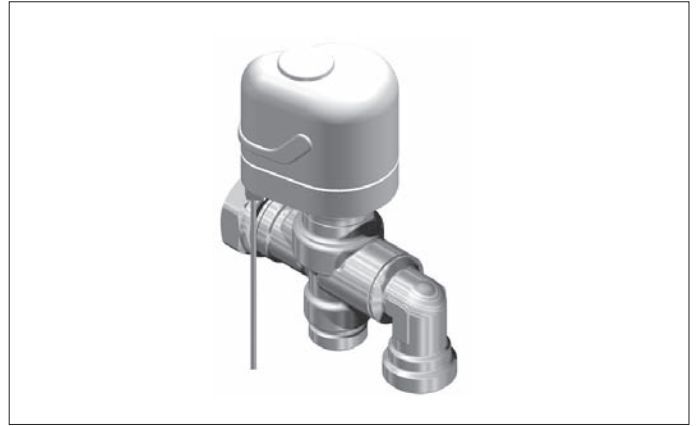


12. ACCESSORIES

3-way valve kit with selector valve thermoelectric motor

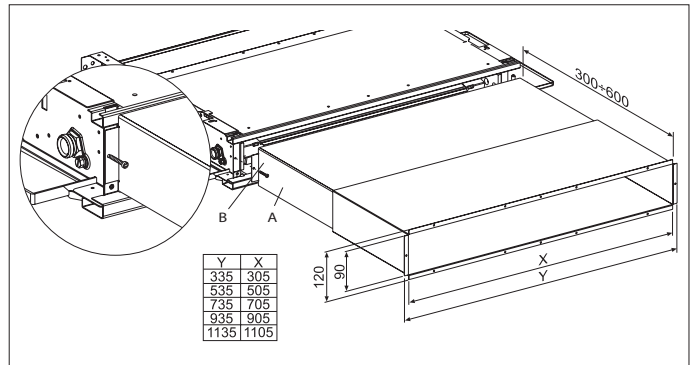
This comprises a 3-way selector valve with thermoelectric head and a lockshield valve featuring micrometre adjustment for balancing pressure drop in the system.

The kit also includes the insulation to be installed on the valve and the lockshield valve..



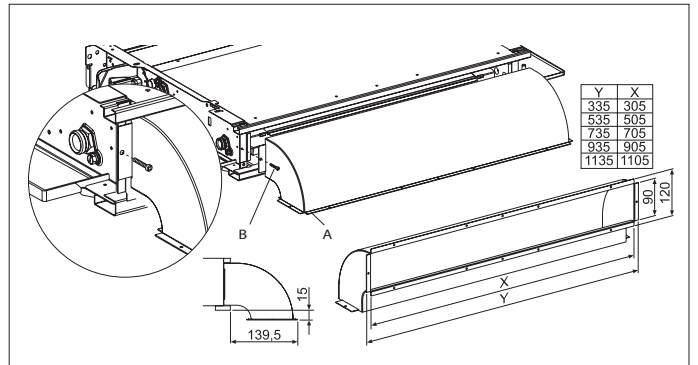
Insulated telescopic plenum chamber kit

Horizontally extendable air output conveyor, from 300 mm to 600 mm only for flush mounted versions.



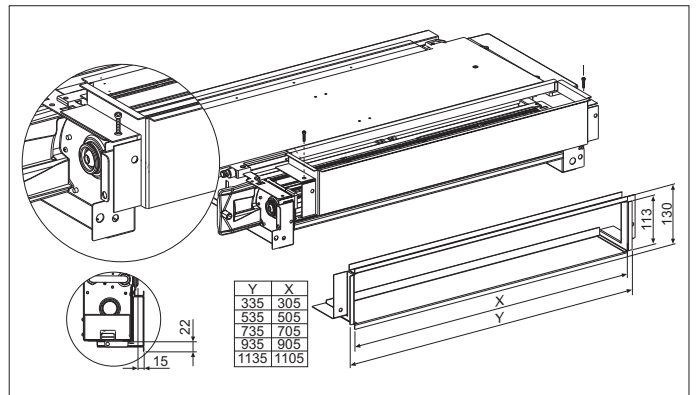
Insulated 90° plenum chamber kit

90° air output conveyor only for flush mounted versions.



Aspiration kit

Air inlet conveyor only for flush mounted versions.

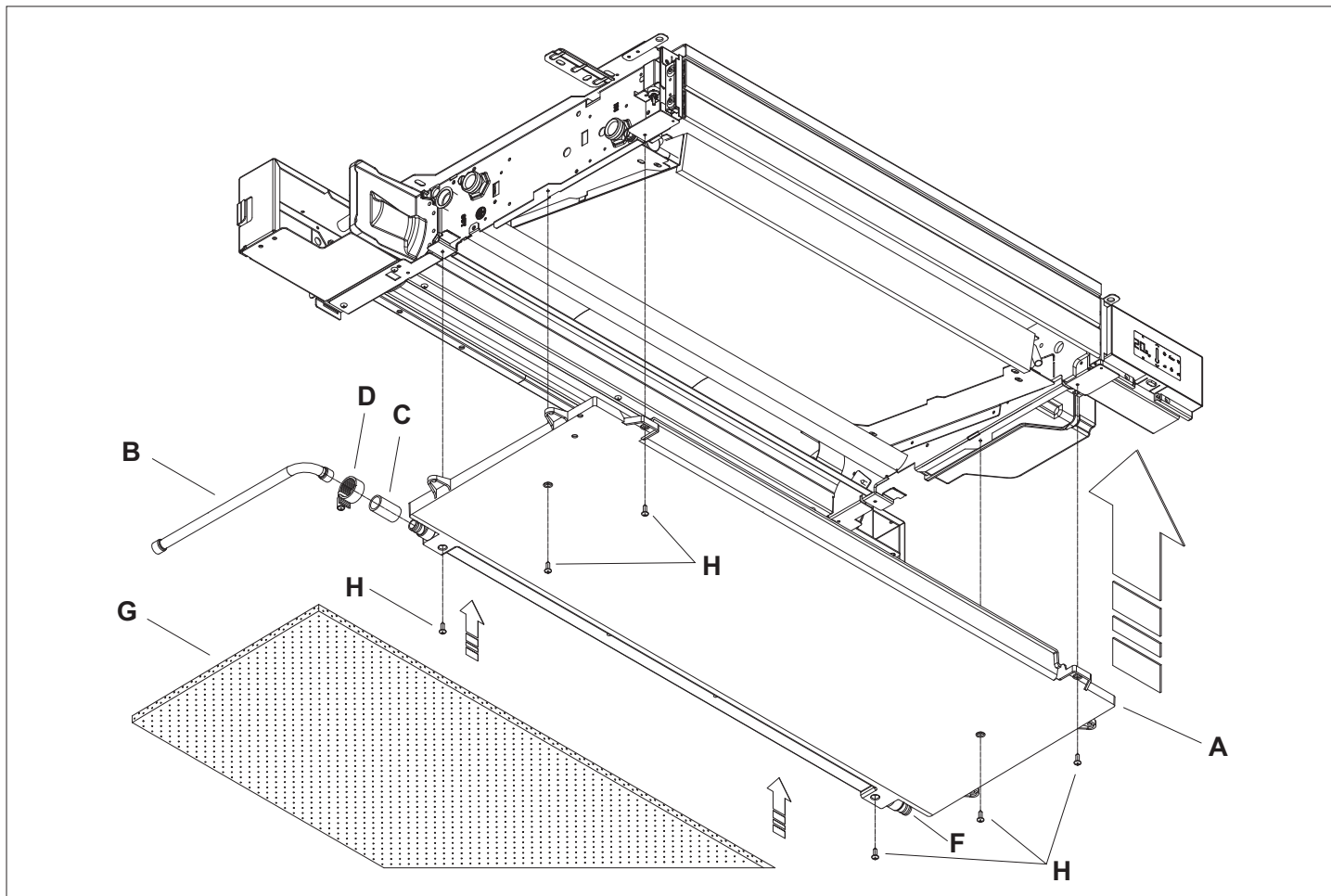


12. ACCESSORIES

Condensate drain bowl for horizontal installation

The condensate collection pan kit is used in applications for horizontal versions (ceiling installation).

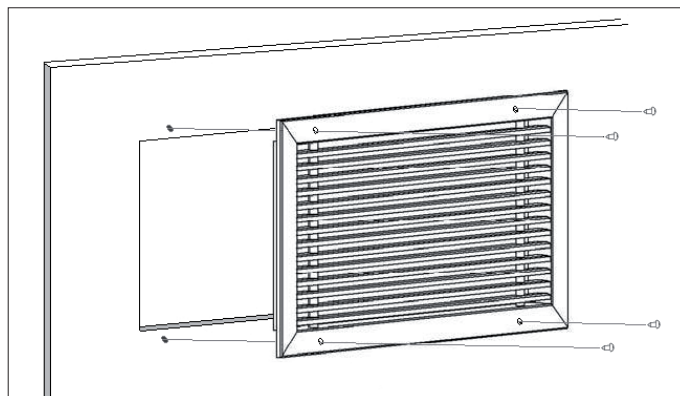
Description	Qty.
A Front closing bowl	1
B Condensation drainage pipe	1
C Condensation drainage rubber hose	1
D Clamp locking condensation drainage pipe	2
F Transparent plug D 13 mm	1
G Front bowl insulation	1
H Cylindrical head screw 4.2x13	6



12. ACCESSORIES

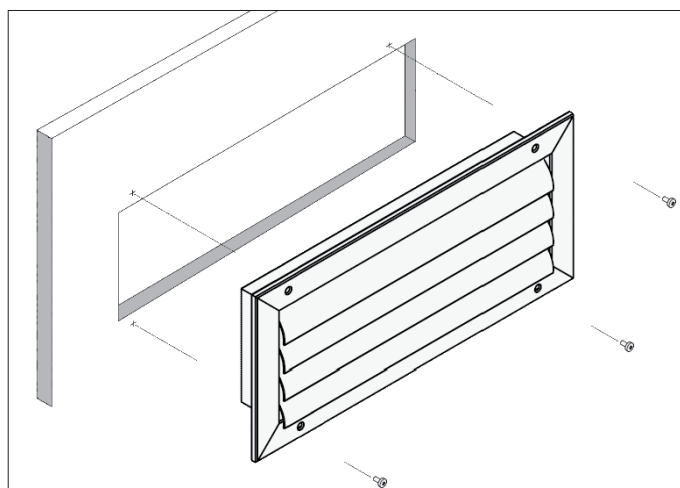
Intake Grill with streight fins

The anodized aluminium intake grille it's applied to built-in installations.



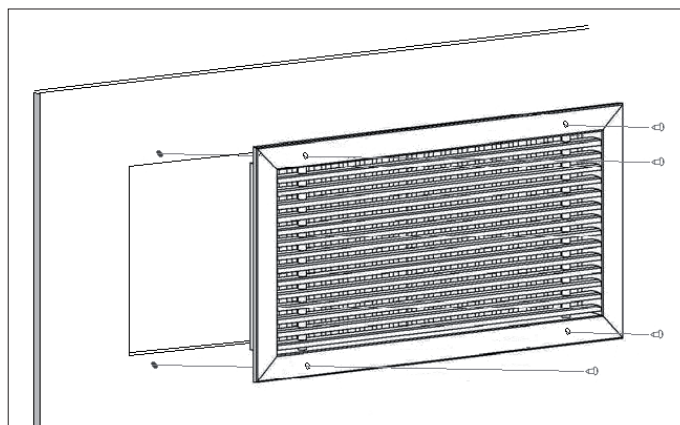
Intake Grill with curved fins

The anodized aluminium intake grille it's applied to built-in installations.



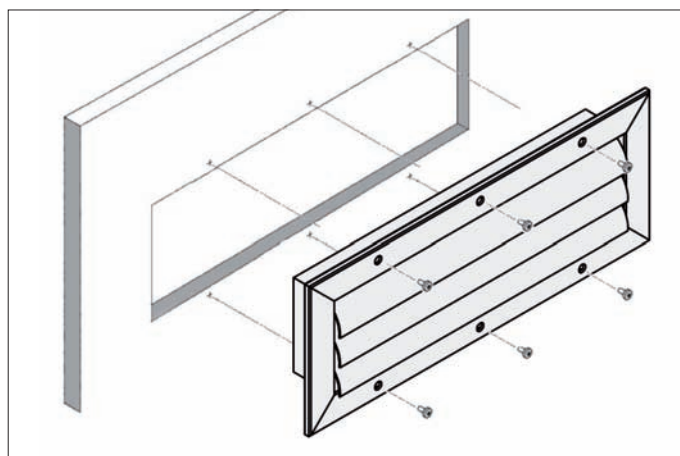
Delivery Grill with streight fins

The anodized aluminium delivery grille is applied to built-in installations.



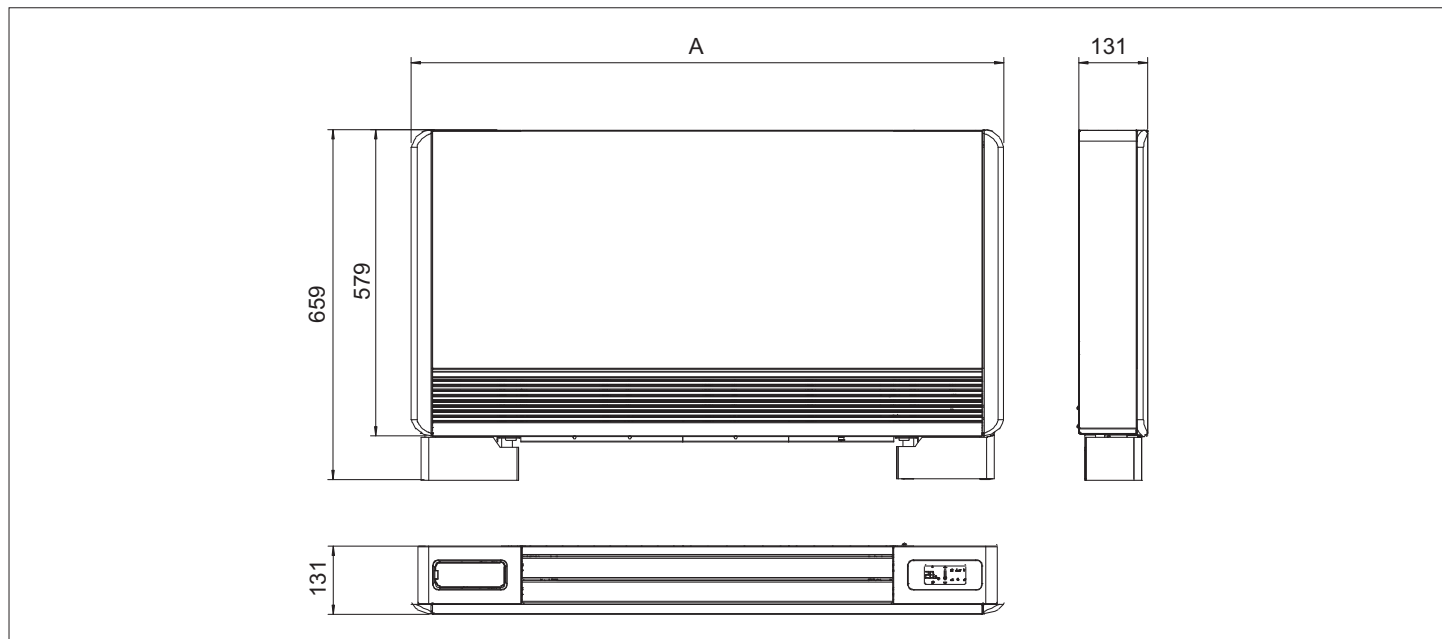
Delivery Grill with curved fins

The anodized aluminium delivery grille is applied to built-in installations.

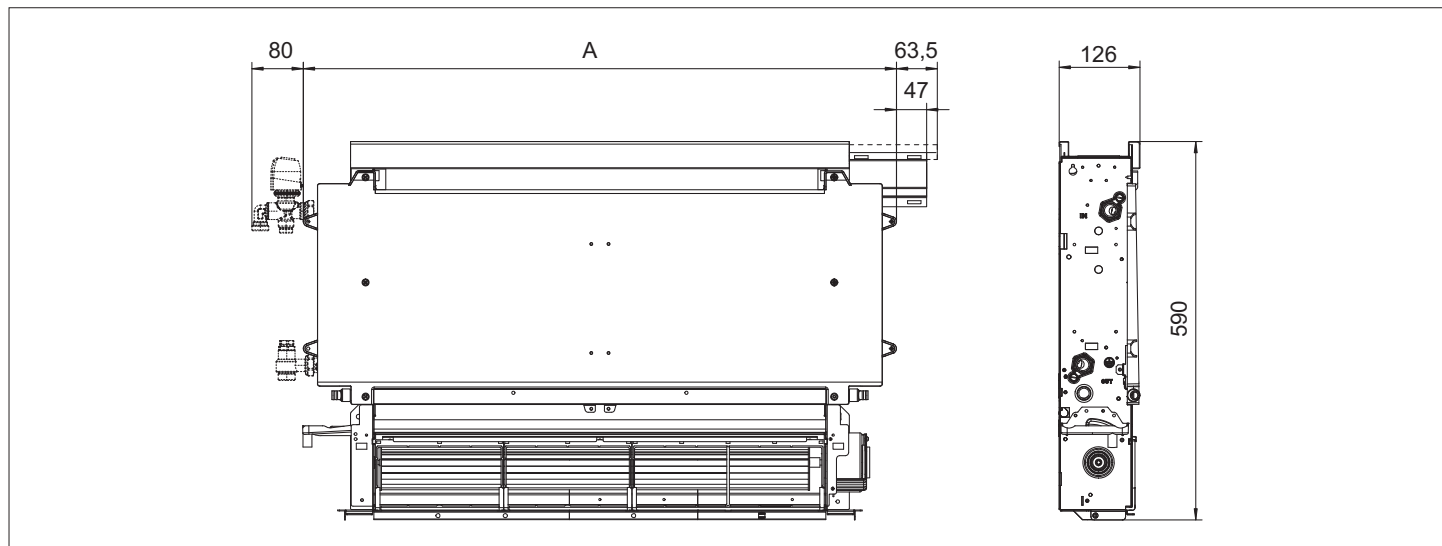


13. DIMENSIONAL DRAWINGS

i-LIFE2 SLIM DLMV, DLMO, DLRV fan coils with casing						
Dimensions		080	170	270	320	370
A	mm	720	920	1120	1320	1520



i-LIFE2 SLIM DLIU built-in fan coil						
Dimensions		080	170	270	320	370
A	mm	525	725	925	1125	1325





for a greener tomorrow

Eco Changes is the Mitsubishi Electric Group's environmental statement, and expresses the Group's stance on environmental management. Through a wide range of businesses, we are helping contribute to the realization of a sustainable society.



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