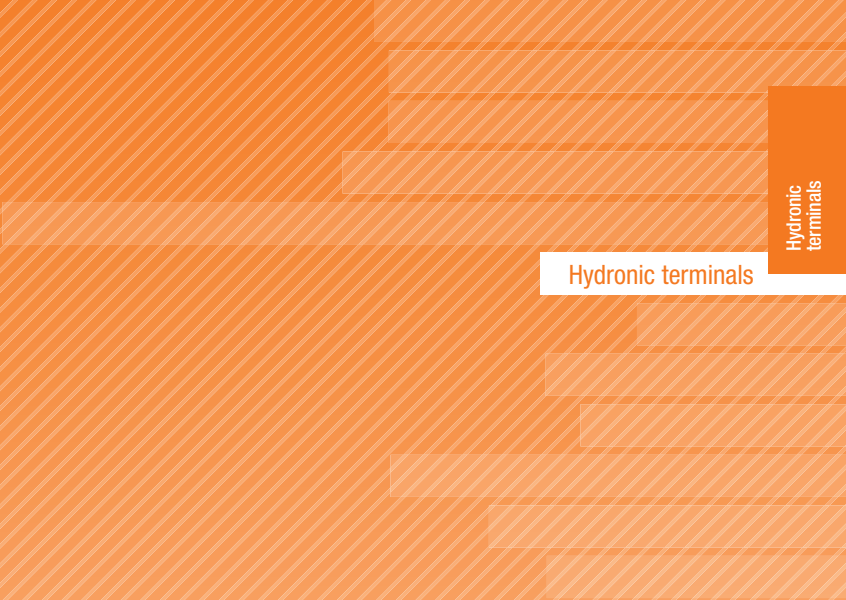




a-LIFE2 0102 - 1004
i-LIFE2 0202 - 1004
a-LIFE2 HP 0302 - 1204
i-LIFE SLIM 102 - 502
MHD2 30 - 60
a-CHD 0606 - 2209
i-CHD 0706 - 2209
a-HWD2 102 - 902

Hydronic terminals



Hydronic
terminals

Hydronic terminals

Hydronic terminals

a-LIFE2 0102 - 1004



Fan-coil for professional applications, with cabinet or built-in version 1,50-7,50 kW

The new a-LIFE2 fancoil has been specifically developed to be adapted to every ambient thanks to its modern and minimal design which is result of the full experience and Climaveneta's know-how on this range of products.

Centrifugal fan with 6 speed via auto-transformer. Thanks to the different versions, with cabinet or built in, low air intake or front air intake, vertical or horizontal installation, it results very easy to find the perfect solution any time.

Version

DLMV	version with cabinet, low air intake, vertical installation
DLMO	version with cabinet, low air intake, horizontal installation
DFMV	version with cabinet, front air intake, vertical installation
DFMO	version with cabinet, front air intake, horizontal installation
DLIV	built-in version, low air intake, vertical installation.
DLIO	built-in version, low air intake, horizontal installation
DFIV	built-in version, front air intake, vertical installation
DFIO	built-in version, front air intake, horizontal installation

Features

Centrifugal Fan with double air inlet, to ensure the best performances with the best acoustic emissions.

Coils with aluminium fins and copper pipes.

Configurations for 2 and 4 pipe Systems.

Left-hand water connections, easy convertible into right-hand, by simply turning the coil

6-speed autotransformer;

Air filter on all models.

Automatically closing flap to cover and protect electric controls from dripping water (in conformity with directive 60335-2-40).

Auxiliary drain pan with thermal insulation for all Horizontal versions, made of galvanized steel.

Plastic drain pan for all Vertical versions.

Accessory

- Hot water coil kit
- Kit Bus Adapter for BMS
- Kit RS485 - interface for Building Management System
- Kit Gateway interface for MyHome Bticino System
- Interface SPB Kit
- Kit control board to manage 0-10V or 3 points modulating valve unit
- Main and additional coil valve unit ON/OFF, PWM, 0-10 V, 3 points 2-way or 3-way
- Kit LIFE2 BOX
- Plenum kit with round, straight or 90° air ducts.
- Air intake grille kit with version cover
- Horizontal and vertical fan coil auxiliary tray
- Electric heaters

Controls

PS plug-in/PSW wall mounted

Fan speed slider, mode slider (OFF/summer/winter). ON/OFF valve unit control (summer/winter for 2 pipes installation), ON/OFF second valve unit control (winter for 4 pipes installation). Remote water temperature probe.

MT plug-in/MTW wall mounted

Fan speed slider, mode slider (OFF/summer/winter). Thermostat with set point regulation. ON/OFF valve unit control (summer/winter for 2 pipes installation), ON/OFF second valve unit control (winter for 4 pipes installation). Room temperature probe. Remote water temperature probe.

AT plug-in/ATW wall mounted

Mode button (OFF/summer/winter/AUTO), fan speed button (Max/Med/Min/AUTO). Thermostat with set point regulation. ON/OFF valve unit control (summer/winter for 2 and 4 pipes installation). Control of traditional or PWM modulating valve units. Room temperature probe and water temperature probe. Digital input configurable as: window contact, economy, heating or cooling remote changeover, periodic ventilation. Configuration dip switch. TTL serial port with Modbus protocol for installation in BMS.

EK plug-in control /EKW wall mounted control

User interface for selection of functioning mode (OFF/summer/winter/AUTO), fan speed (Max/Med/Min/AUTO), temperature set. Control of main and additional coil valve unit (summer/winter - 2 and 4 pipes installation) . Management of traditional ON/OFF valve unit or modulating valve unit 0-10V or 3 points . Air and water temperature probe. Multifunction digital input configurable by user. Configuration dip switch.

Modbus protocol for installation in BMS (e.g. Idrorelax system by Climaveneta). Installation and management of Master-Slave system up to 8 LIFE fan coil units.

Easy control installation thanks to 2 wires connection.

iK control with LCD screen

Interface with LCD screen with user-friendly icons. Control kit for universal installation: wall-mounted as well as plug-in. Selection of functioning mode (OFF/summer/winter/AUTO), fan speed (Max/Med/Min/AUTO), temperature set. Control iK could function manually or with weekly timer regulation configurable by the customer.

Control of main coil valve unit (summer/winter - 2 pipes) and additional coil (winter - 4 pipes). Management of traditional ON/OFF valve unit or modulating valve unit 0-10V or 3 points (supply 230 VAC or 24V) .

Parameters configurable directly by user. Modbus protocol for installation in Building Management System (e.g. Idrorelax system by Climaveneta). Installation and management of Master-Slave system up to 8 LIFE2 fan coil units.

Easy control installation thanks to 2 wires connection through HB power board

Remote control

Set-point regulation. Selection of functioning mode (cool, heat, dehumidify, fan), fan speed (Max, Med, Min, AUTO). User-friendly compact remote control with fine aesthetics.



a-LIFE2 / DLIV-DFIV			0102	0202	0302	0402	0502	0602	0702	0802	0902	1002
ELECTRICAL DATA												
Power supply	V/ph/Hz		230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
Max absorbed power	W		55	55	85	85	75	75	145	145	175	175
2 PIPES SYSTEM CONFIGURATION												
MAX SPEED												
Air flow	m³/h		300	360	520	590	660	815	890	980	1140	1310
Total capacity in cooling mode	(1) kW		1,50	2,00	2,85	3,40	3,80	4,40	5,15	5,70	6,15	7,50
Sensible capacity in cooling mode	(1) kW		1,24	1,59	2,22	2,61	2,95	3,52	3,99	4,38	4,66	5,81
Max water flow	(1) m³/h		0,26	0,34	0,49	0,59	0,65	0,76	0,89	0,98	1,06	1,29
Max pressure drop	(1) kPa		9,0	12,7	30,8	34,3	12,6	17,2	24,2	26,9	32,9	46,8
Total capacity (heating mode)	(2) kW		2,17	2,82	3,86	4,40	5,17	6,06	6,94	7,74	8,09	10,1
Water flow in heating mode	(2) m³/h		0,26	0,34	0,49	0,58	0,65	0,76	0,88	0,98	1,06	1,29
Pressure drop in heating mode	(2) kPa		7,6	10,9	26,0	34,1	10,7	14,6	20,3	23,3	29,1	40,9
Noise Pressure	(3) dB(A)		39	45	42	47	45	50	47	50	50	55
Noise Power	(4) dB(A)		48	54	51	56	54	59	56	59	59	64
MED SPEED												
Air flow	m³/h		210	290	410	500	560	670	780	910	1010	1180
Total capacity in cooling mode	(1) kW		1,16	1,74	2,33	2,85	3,08	3,75	4,50	5,06	5,41	6,62
Sensible capacity in cooling mode	(1) kW		0,90	1,31	1,77	2,22	2,43	2,95	3,49	3,99	4,16	5,16
Max water flow	(1) m³/h		0,20	0,30	0,40	0,49	0,53	0,65	0,77	0,87	0,93	1,14
Max pressure drop	(1) kPa		5,4	9,6	20,5	24,1	8,2	12,4	18,5	21,2	25,5	36,5
Total capacity (heating mode)	(2) kW		1,62	2,32	3,09	3,84	4,18	5,14	6,15	6,92	7,16	8,89
Water flow in heating mode	(2) m³/h		0,20	0,30	0,40	0,49	0,53	0,65	0,78	0,88	0,93	1,14
Pressure drop in heating mode	(2) kPa		4,7	8,3	17,7	24,2	7,2	10,9	16,2	18,8	22,8	32,5
Noise Pressure	(3) dB(A)		31	39	37	42	39	45	44	47	45	51
Noise Power	(4) dB(A)		40	48	46	51	48	54	53	56	54	60
MIN SPEED												
Air flow	m³/h		180	270	350	380	500	550	640	760	790	920
Total capacity in cooling mode	(1) kW		1,00	1,49	2,07	2,31	2,85	3,02	4,06	4,50	4,71	5,40
Sensible capacity in cooling mode	(1) kW		0,78	1,18	1,59	1,75	2,22	2,39	3,00	3,44	3,59	4,14
Max water flow	(1) m³/h		0,17	0,26	0,36	0,40	0,49	0,52	0,70	0,77	0,81	0,93
Max pressure drop	(1) kPa		4,0	7,0	16,2	15,8	7,0	8,0	15,0	16,8	19,4	24,3
Total capacity (heating mode)	(2) kW		1,40	2,08	2,80	3,07	3,82	4,15	5,42	6,12	6,29	7,13
Water flow in heating mode	(2) m³/h		0,17	0,26	0,35	0,40	0,49	0,52	0,70	0,78	0,81	0,92
Pressure drop in heating mode	(2) kPa		3,5	6,2	14,1	16,5	6,2	7,1	13,3	15,0	17,9	22,1
Noise Pressure	(3) dB(A)		28	37	36	37	37	39	41	44	41	45
Noise Power	(4) dB(A)		37	46	45	46	46	48	50	53	50	54
SIZE AND WEIGHT												
A	(5) mm		450	450	650	650	850	850	1050	1050	1250	1250
B	(5) mm		215	215	215	215	215	215	215	215	215	215
H	(5) mm		450	450	450	450	450	450	450	450	450	450
Operating weight	(5) kg		11	11	13	14	19	20	23	24	27	28

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) 50/° °C (with identical flow note1).

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.

a-LIFE2 / DLIO-DFIO			0102	0202	0302	0402	0502	0602	0702	0802	0902	1002
ELECTRICAL DATA												
Power supply	V/ph/Hz		230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
Max absorbed power	W		55	55	85	85	75	75	145	145	175	175
2 PIPES SYSTEM CONFIGURATION												
MAX SPEED												
Air flow	m ³ /h		300	360	520	590	660	815	890	980	1140	1310
Total capacity in cooling mode	(1) kW		1,50	2,00	2,85	3,40	3,80	4,40	5,15	5,70	6,15	7,50
Sensible capacity in cooling mode	(1) kW		1,24	1,59	2,22	2,61	2,95	3,52	3,99	4,38	4,66	5,81
Max water flow	(1) m ³ /h		0,26	0,34	0,49	0,59	0,65	0,76	0,89	0,98	1,06	1,29
Max pressure drop	(1) kPa		9,0	12,7	30,8	34,3	12,6	17,2	24,2	26,9	32,9	46,8
Total capacity (heating mode)	(2) kW		2,17	2,82	3,86	4,40	5,17	6,06	6,94	7,74	8,09	10,1
Water flow in heating mode	(2) m ³ /h		0,26	0,34	0,49	0,58	0,65	0,76	0,88	0,98	1,06	1,29
Pressure drop in heating mode	(2) kPa		7,6	10,9	26,0	34,1	10,7	14,6	20,3	23,3	29,1	40,9
Noise Pressure	(3) dB(A)		39	45	42	47	45	50	47	50	50	55
Noise Power	(4) dB(A)		48	54	51	56	54	59	56	59	59	64
MED SPEED												
Air flow	m ³ /h		210	290	410	500	560	670	780	910	1010	1180
Total capacity in cooling mode	(1) kW		1,16	1,74	2,33	2,85	3,08	3,75	4,50	5,06	5,41	6,62
Sensible capacity in cooling mode	(1) kW		0,90	1,31	1,77	2,22	2,43	2,95	3,49	3,99	4,16	5,16
Max water flow	(1) m ³ /h		0,20	0,30	0,40	0,49	0,53	0,65	0,77	0,87	0,93	1,14
Max pressure drop	(1) kPa		5,4	9,6	20,5	24,1	8,2	12,4	18,5	21,2	25,5	36,5
Total capacity (heating mode)	(2) kW		1,62	2,32	3,09	3,84	4,18	5,14	6,15	6,92	7,16	8,89
Water flow in heating mode	(2) m ³ /h		0,20	0,30	0,40	0,49	0,53	0,65	0,78	0,88	0,93	1,14
Pressure drop in heating mode	(2) kPa		4,7	8,3	17,7	24,2	7,2	10,9	16,2	18,8	22,8	32,5
Noise Pressure	(3) dB(A)		31	39	37	42	39	45	44	47	45	51
Noise Power	(4) dB(A)		40	48	46	51	48	54	53	56	54	60
MIN SPEED												
Air flow	m ³ /h		180	270	350	380	500	550	640	760	790	920
Total capacity in cooling mode	(1) kW		1,00	1,49	2,07	2,31	2,85	3,02	4,06	4,50	4,71	5,40
Sensible capacity in cooling mode	(1) kW		0,78	1,18	1,59	1,75	2,22	2,39	3,00	3,44	3,59	4,14
Max water flow	(1) m ³ /h		0,17	0,26	0,36	0,40	0,49	0,52	0,70	0,77	0,81	0,93
Max pressure drop	(1) kPa		4,0	7,0	16,2	15,8	7,0	8,0	15,0	16,8	19,4	24,3
Total capacity (heating mode)	(2) kW		1,40	2,08	2,80	3,07	3,82	4,15	5,42	6,12	6,29	7,13
Water flow in heating mode	(2) m ³ /h		0,17	0,26	0,35	0,40	0,49	0,52	0,70	0,78	0,81	0,92
Pressure drop in heating mode	(2) kPa		3,5	6,2	14,1	16,5	6,2	7,1	13,3	15,0	17,9	22,1
Noise Pressure	(3) dB(A)		28	37	36	37	37	39	41	44	41	45
Noise Power	(4) dB(A)		37	46	45	46	46	48	50	53	50	54
SIZE AND WEIGHT												
A	(5) mm		545	545	745	745	945	945	1145	1145	1345	1345
B	(5) mm		215	215	215	215	215	215	215	215	215	215
H	(5) mm		450	450	450	450	450	450	450	450	450	450
Operating weight	(5) kg		11	12	14	15	20	21	23	25	27	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) 50/° °C (with identical flow note1).
- 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.

a-LIFE2 / DLMV-DFMV / DLMO-DFMO			0102	0202	0302	0402	0502	0602	0702	0802	0902	1002
ELECTRICAL DATA												
Power supply	V/ph/Hz		230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
Max absorbed power	W		55	55	85	85	75	75	145	145	175	175
2 PIPES SYSTEM CONFIGURATION												
MAX SPEED												
Air flow	m³/h		300	360	520	590	660	815	890	980	1140	1310
Total capacity in cooling mode	(1) kW		1,50	2,00	2,85	3,40	3,80	4,40	5,15	5,70	6,15	7,50
Sensible capacity in cooling mode	(1) kW		1,24	1,59	2,22	2,61	2,95	3,52	3,99	4,38	4,66	5,81
Max water flow	(1) m³/h		0,26	0,34	0,49	0,59	0,65	0,76	0,89	0,98	1,06	1,29
Max pressure drop	(1) kPa		9,0	12,7	30,8	34,3	12,6	17,2	24,2	26,9	32,9	46,8
Total capacity (heating mode)	(2) kW		2,17	2,82	3,86	4,40	5,17	6,06	6,94	7,74	8,09	10,1
Water flow in heating mode	(2) m³/h		0,26	0,34	0,49	0,58	0,65	0,76	0,88	0,98	1,06	1,29
Pressure drop in heating mode	(2) kPa		7,6	10,9	26,0	34,1	10,7	14,6	20,3	23,3	29,1	40,9
Noise Pressure	(3) dB(A)		39	45	42	47	45	50	47	50	50	55
Noise Power	(4) dB(A)		48	54	51	56	54	59	56	59	59	64
MED SPEED												
Air flow	m³/h		210	290	410	500	560	670	780	910	1010	1180
Total capacity in cooling mode	(1) kW		1,16	1,74	2,33	2,85	3,08	3,75	4,50	5,06	5,41	6,62
Sensible capacity in cooling mode	(1) kW		0,90	1,31	1,77	2,22	2,43	2,95	3,49	3,99	4,16	5,16
Max water flow	(1) m³/h		0,20	0,30	0,40	0,49	0,53	0,65	0,77	0,87	0,93	1,14
Max pressure drop	(1) kPa		5,4	9,6	20,5	24,1	8,2	12,4	18,5	21,2	25,5	36,5
Total capacity (heating mode)	(2) kW		1,62	2,32	3,09	3,84	4,18	5,14	6,15	6,92	7,16	8,89
Water flow in heating mode	(2) m³/h		0,20	0,30	0,40	0,49	0,53	0,65	0,78	0,88	0,93	1,14
Pressure drop in heating mode	(2) kPa		4,7	8,3	17,7	24,2	7,2	10,9	16,2	18,8	22,8	32,5
Noise Pressure	(3) dB(A)		31	39	37	42	39	45	44	47	45	51
Noise Power	(4) dB(A)		40	48	46	51	48	54	53	56	54	60
MIN SPEED												
Air flow	m³/h		180	270	350	380	500	550	640	760	790	920
Total capacity in cooling mode	(1) kW		1,00	1,49	2,07	2,31	2,85	3,02	4,06	4,50	4,71	5,40
Sensible capacity in cooling mode	(1) kW		0,78	1,18	1,59	1,75	2,22	2,39	3,00	3,44	3,59	4,14
Max water flow	(1) m³/h		0,17	0,26	0,36	0,40	0,49	0,52	0,70	0,77	0,81	0,93
Max pressure drop	(1) kPa		4,0	7,0	16,2	15,8	7,0	8,0	15,0	16,8	19,4	24,3
Total capacity (heating mode)	(2) kW		1,40	2,08	2,80	3,07	3,82	4,15	5,42	6,12	6,29	7,13
Water flow in heating mode	(2) m³/h		0,17	0,26	0,35	0,40	0,49	0,52	0,70	0,78	0,81	0,92
Pressure drop in heating mode	(2) kPa		3,5	6,2	14,1	16,5	6,2	7,1	13,3	15,0	17,9	22,1
Noise Pressure	(3) dB(A)		28	37	36	37	37	39	41	44	41	45
Noise Power	(4) dB(A)		37	46	45	46	46	48	50	53	50	54
SIZE AND WEIGHT												
A	(5) mm		922	922	1112	1112	1302	1302	1492	1492	1682	1682
B	(5) mm		233	233	233	233	233	233	233	233	233	233
H	(5) mm		499	499	499	499	499	499	499	499	499	499
Operating weight	(5) kg		16	17	20	21	27	28	32	33	37	38

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) 50/° °C (with identical flow note1).
- 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.

a-LIFE2 / DLIV-DFIV			0104	0204	0304	0404	0504	0604	0704	0804	0904	1004
ELECTRICAL DATA												
Power supply	V/ph/Hz		230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
Max absorbed power	W		55	55	85	85	75	75	145	145	175	175
4 PIPES SYSTEM CONFIGURATION												
MAX SPEED												
Air flow	m³/h		300	360	520	590	660	815	890	980	1140	1310
Total capacity in cooling mode	(1) kW		1,50	2,00	2,85	3,40	3,80	4,40	5,15	5,70	6,15	7,50
Sensible capacity in cooling mode	(1) kW		1,24	1,59	2,22	2,61	2,95	3,52	3,99	4,38	4,66	5,81
Max water flow	(1) m³/h		0,26	0,34	0,49	0,59	0,65	0,76	0,89	0,98	1,06	1,29
Max pressure drop	(1) kPa		9,0	12,7	30,8	34,3	12,6	17,2	24,2	26,9	32,9	46,8
Total capacity (heating mode)	(2) kW		1,25	1,67	2,31	2,76	3,34	3,87	4,36	4,82	5,18	6,32
Water flow in heating mode	(2) m³/h		0,11	0,15	0,20	0,24	0,29	0,34	0,38	0,42	0,45	0,55
Pressure drop in heating mode	(2) kPa		6,2	10,7	13,3	18,6	27,0	35,6	15,1	18,3	16,7	24,3
Noise Pressure	(3) dB(A)		39	45	42	47	45	50	47	50	48	55
Noise Power	(4) dB(A)		48	54	51	56	54	59	56	59	57	64
MED SPEED												
Air flow	m³/h		210	290	410	500	560	670	780	910	1010	1180
Total capacity in cooling mode	(1) kW		1,16	1,74	2,33	2,85	3,08	3,75	4,50	5,06	5,41	6,62
Sensible capacity in cooling mode	(1) kW		0,90	1,31	1,77	2,22	2,43	2,95	3,49	3,99	4,16	5,16
Max water flow	(1) m³/h		0,20	0,30	0,40	0,49	0,53	0,65	0,77	0,87	0,93	1,14
Max pressure drop	(1) kPa		5,4	9,6	20,5	24,1	8,2	12,4	18,5	21,2	25,5	36,5
Total capacity (heating mode)	(2) kW		0,97	1,45	1,89	2,31	2,71	3,30	3,81	4,28	4,56	5,57
Water flow in heating mode	(2) m³/h		0,09	0,13	0,17	0,20	0,24	0,29	0,33	0,38	0,40	0,49
Pressure drop in heating mode	(2) kPa		3,9	8,2	9,1	13,3	18,3	26,4	11,7	14,6	13,1	19,2
Noise Pressure	(3) dB(A)		31	39	37	42	39	45	44	47	45	51
Noise Power	(4) dB(A)		40	48	46	51	48	54	53	56	54	60
MIN SPEED												
Air flow	m³/h		180	270	350	380	500	550	640	760	790	920
Total capacity in cooling mode	(1) kW		1,00	1,49	2,07	2,31	2,85	3,02	4,06	4,50	4,71	5,40
Sensible capacity in cooling mode	(1) kW		0,78	1,18	1,59	1,75	2,22	2,39	3,00	3,44	3,59	4,14
Max water flow	(1) m³/h		0,17	0,26	0,36	0,40	0,49	0,52	0,70	0,77	0,81	0,93
Max pressure drop	(1) kPa		4,0	7,0	16,2	15,8	7,0	8,0	15,0	16,8	19,4	24,3
Total capacity (heating mode)	(2) kW		0,83	1,24	1,68	1,88	2,51	2,65	3,43	3,81	3,97	4,55
Water flow in heating mode	(2) m³/h		0,07	0,11	0,15	0,16	0,22	0,23	0,30	0,33	0,35	0,40
Pressure drop in heating mode	(2) kPa		2,9	6,1	7,2	9,0	15,8	17,5	9,5	11,7	10,1	13,1
Noise Pressure	(3) dB(A)		28	37	36	37	37	39	41	44	41	45
Noise Power	(4) dB(A)		37	46	45	46	46	48	50	53	50	54
SIZE AND WEIGHT												
A	(5) mm		450	450	650	650	850	850	1050	1050	1250	1250
B	(5) mm		215	215	215	215	215	215	215	215	215	215
H	(5) mm		450	450	450	450	450	450	450	450	450	450
Operating weight	(5) kg		12	12	14	15	21	22	24	25	28	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) 70/60 °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.

a-LIFE2 / DLIO-DFIO			0104	0204	0304	0404	0504	0604	0704	0804	0904	1004
ELECTRICAL DATA												
Power supply	V/ph/Hz		230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
Max absorbed power	W		55	55	85	85	75	75	145	145	175	175
4 PIPES SYSTEM CONFIGURATION												
MAX SPEED												
Air flow	m³/h		300	360	520	590	660	815	890	980	1140	1310
Total capacity in cooling mode	(1) kW		1,50	2,00	2,85	3,40	3,80	4,40	5,15	5,70	6,15	7,50
Sensible capacity in cooling mode	(1) kW		1,24	1,59	2,22	2,61	2,95	3,52	3,99	4,38	4,66	5,81
Max water flow	(1) m³/h		0,26	0,34	0,49	0,59	0,65	0,76	0,89	0,98	1,06	1,29
Max pressure drop	(1) kPa		9,0	12,7	30,8	34,3	12,6	17,2	24,2	26,9	32,9	46,8
Total capacity (heating mode)	(2) kW		1,25	1,67	2,31	2,76	3,34	3,87	4,36	4,82	5,18	6,32
Water flow in heating mode	(2) m³/h		0,11	0,15	0,20	0,24	0,29	0,34	0,38	0,42	0,45	0,55
Pressure drop in heating mode	(2) kPa		6,2	10,7	13,3	18,6	27,0	35,6	15,1	18,3	16,7	24,3
Noise Pressure	(3) dB(A)		39	45	42	47	45	50	47	50	48	55
Noise Power	(4) dB(A)		48	54	51	56	54	59	56	59	57	64
MED SPEED												
Air flow	m³/h		210	290	410	500	560	670	780	910	1010	1180
Total capacity in cooling mode	(1) kW		1,16	1,74	2,33	2,85	3,08	3,75	4,50	5,06	5,41	6,62
Sensible capacity in cooling mode	(1) kW		0,90	1,31	1,77	2,22	2,43	2,95	3,49	3,99	4,16	5,16
Max water flow	(1) m³/h		0,20	0,30	0,40	0,49	0,53	0,65	0,77	0,87	0,93	1,14
Max pressure drop	(1) kPa		5,4	9,6	20,5	24,1	8,2	12,4	18,5	21,2	25,5	36,5
Total capacity (heating mode)	(2) kW		0,97	1,45	1,89	2,31	2,71	3,30	3,81	4,28	4,56	5,57
Water flow in heating mode	(2) m³/h		0,09	0,13	0,17	0,20	0,24	0,29	0,33	0,38	0,40	0,49
Pressure drop in heating mode	(2) kPa		3,9	8,2	9,1	13,3	18,3	26,4	11,7	14,6	13,1	19,2
Noise Pressure	(3) dB(A)		31	39	37	42	39	45	44	47	45	51
Noise Power	(4) dB(A)		40	48	46	51	48	54	53	56	54	60
MIN SPEED												
Air flow	m³/h		180	270	350	380	500	550	640	760	790	920
Total capacity in cooling mode	(1) kW		1,00	1,49	2,07	2,31	2,85	3,02	4,06	4,50	4,71	5,40
Sensible capacity in cooling mode	(1) kW		0,78	1,18	1,59	1,75	2,22	2,39	3,00	3,44	3,59	4,14
Max water flow	(1) m³/h		0,17	0,26	0,36	0,40	0,49	0,52	0,70	0,77	0,81	0,93
Max pressure drop	(1) kPa		4,0	7,0	16,2	15,8	7,0	8,0	15,0	16,8	19,4	24,3
Total capacity (heating mode)	(2) kW		0,83	1,24	1,68	1,88	2,51	2,65	3,43	3,81	3,97	4,55
Water flow in heating mode	(2) m³/h		0,07	0,11	0,15	0,16	0,22	0,23	0,30	0,33	0,35	0,40
Pressure drop in heating mode	(2) kPa		2,9	6,1	7,2	9,0	15,8	17,5	9,5	11,7	10,1	13,1
Noise Pressure	(3) dB(A)		28	37	36	37	37	39	41	44	41	45
Noise Power	(4) dB(A)		37	46	45	46	46	48	50	53	50	54
SIZE AND WEIGHT												
A	(5) mm		545	545	745	745	945	945	1145	1145	1345	1345
B	(5) mm		215	215	215	215	215	215	215	215	215	215
H	(5) mm		450	450	450	450	450	450	450	450	450	450
Operating weight	(5) kg		12	13	15	16	21	22	25	26	29	30

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) 70/60 °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.

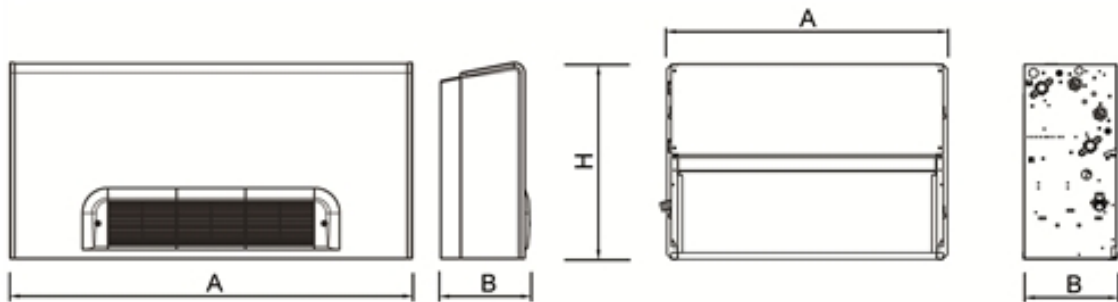
4 Sound power on the basis of measurements made in compliance with ISO 3741 and Eurovent 8/2.

5 Unit in standard configuration/execution, without optional accessories.

a-LIFE2 / DLMV-DFMV / DLMO-DFMO			0104	0204	0304	0404	0504	0604	0704	0804	0904	1004
ELECTRICAL DATA												
Power supply	V/ph/Hz		230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
Max absorbed power	W		55	55	85	85	75	75	145	145	175	175
4 PIPES SYSTEM CONFIGURATION												
MAX SPEED												
Air flow	m³/h		300	360	520	590	660	815	890	980	1140	1310
Total capacity in cooling mode	(1) kW		1,50	2,00	2,85	3,40	3,80	4,40	5,15	5,70	6,15	7,50
Sensible capacity in cooling mode	(1) kW		1,24	1,59	2,22	2,61	2,95	3,52	3,99	4,38	4,66	5,81
Max water flow	(1) m³/h		0,26	0,34	0,49	0,59	0,65	0,76	0,89	0,98	1,06	1,29
Max pressure drop	(1) kPa		9,0	12,7	30,8	34,3	12,6	17,2	24,2	26,9	32,9	46,8
Total capacity (heating mode)	(2) kW		1,25	1,67	2,31	2,76	3,34	3,87	4,36	4,82	5,18	6,32
Water flow in heating mode	(2) m³/h		0,11	0,15	0,20	0,24	0,29	0,34	0,38	0,42	0,45	0,55
Pressure drop in heating mode	(2) kPa		6,2	10,7	13,3	18,6	27,0	35,6	15,1	18,3	16,7	24,3
Noise Pressure	(3) dB(A)		39	45	42	47	45	50	47	50	48	55
Noise Power	(4) dB(A)		48	54	51	56	54	59	56	59	57	64
MED SPEED												
Air flow	m³/h		210	290	410	500	560	670	780	910	1010	1180
Total capacity in cooling mode	(1) kW		1,16	1,74	2,33	2,85	3,08	3,75	4,50	5,06	5,41	6,62
Sensible capacity in cooling mode	(1) kW		0,90	1,31	1,77	2,22	2,43	2,95	3,49	3,99	4,16	5,16
Max water flow	(1) m³/h		0,20	0,30	0,40	0,49	0,53	0,65	0,77	0,87	0,93	1,14
Max pressure drop	(1) kPa		5,4	9,6	20,5	24,1	8,2	12,4	18,5	21,2	25,5	36,5
Total capacity (heating mode)	(2) kW		0,97	1,45	1,89	2,31	2,71	3,30	3,81	4,28	4,56	5,57
Water flow in heating mode	(2) m³/h		0,09	0,13	0,17	0,20	0,24	0,29	0,33	0,38	0,40	0,49
Pressure drop in heating mode	(2) kPa		3,9	8,2	9,1	13,3	18,3	26,4	11,7	14,6	13,1	19,2
Noise Pressure	(3) dB(A)		31	39	37	42	39	45	44	47	45	51
Noise Power	(4) dB(A)		40	48	46	51	48	54	53	56	54	60
MIN SPEED												
Air flow	m³/h		180	270	350	380	500	550	640	760	790	920
Total capacity in cooling mode	(1) kW		1,00	1,49	2,07	2,31	2,85	3,02	4,06	4,50	4,71	5,40
Sensible capacity in cooling mode	(1) kW		0,78	1,18	1,59	1,75	2,22	2,39	3,00	3,44	3,59	4,14
Max water flow	(1) m³/h		0,17	0,26	0,36	0,40	0,49	0,52	0,70	0,77	0,81	0,93
Max pressure drop	(1) kPa		4,0	7,0	16,2	15,8	7,0	8,0	15,0	16,8	19,4	24,3
Total capacity (heating mode)	(2) kW		0,83	1,24	1,68	1,88	2,51	2,65	3,43	3,81	3,97	4,55
Water flow in heating mode	(2) m³/h		0,07	0,11	0,15	0,16	0,22	0,23	0,30	0,33	0,35	0,40
Pressure drop in heating mode	(2) kPa		2,9	6,1	7,2	9,0	15,8	17,5	9,5	11,7	10,1	13,1
Noise Pressure	(3) dB(A)		28	37	36	37	37	39	41	44	41	45
Noise Power	(4) dB(A)		37	46	45	46	46	48	50	53	50	54
SIZE AND WEIGHT												
A	(5) mm		922	922	1112	1112	1302	1302	1492	1492	1682	1682
B	(5) mm		233	233	233	233	233	233	233	233	233	233
H	(5) mm		499	499	499	499	499	499	499	499	499	499
Operating weight	(5) kg		17	18	21	22	29	30	33	35	38	40

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) 70/60 °C; Supplementary coil 1-row.
- 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.



Hydronic terminals

i-LIFE2 0202 - 1004



Professional fan-coil with cabinet or built-in version, powered by EC Brushless Centrifugal Fan 2,00-7,50 kW

New i-LIFE2 fancoil is powered by a modulating speed centrifugal fan. This new concept of fancoil operates with continuous air flow regulation assuring the best comfort and a concrete energy savings. Thanks to the different versions, with cabinet or built-in, low air intake or front air intake, vertical or horizontal installation, it results very easy to find the perfect solution for any requirement. A dedicated range of controllers allows a user friendly and complete regulation of all the functions, and an easy integration in home automation, centralization and Building Management Systems.

Version

DLMV	version with cabinet, low air intake, vertical installation
DLMO	version with cabinet, low air intake, horizontal installation
DFMV	version with cabinet, front air intake, vertical installation
DFMO	version with cabinet, front air intake, horizontal installation
DLIV	built-in version, low air intake, vertical installation.
DLIO	built-in version, low air intake, horizontal installation
DFIV	built-in version, front air intake, vertical installation
DFIO	built-in version, front air intake, horizontal installation

Features

- High efficiency EC motor.
- Modulating speed centrifugal fan and air flow regulation.
- Energy consumption reduced by more than 50%
- Coils with aluminium fins and copper pipes.
- Configurations for 2 and 4 pipe Systems.
- Left-hand water connections, easy convertible into right-hand, by simply turning the coil
- Air filter on all models.
- Automatically closing flap to cover and protect electric controls from dripping water (in conformity with directive 60335-2-40).
- Elegant cover structure that integrates the use of high quality plastic materials, with traditional galvanized and pre-coated materials.
- Structure in galvanized steel of high thickness for maximum resistance to rust;
- Auxiliary drain pan with thermal insulation for all Horizontal versions, made of galvanized steel.
- Plastic drain pan for all Vertical versions.

Accessory

- Hot water coil kit
- Kit RS485 - interface for Building Management System
- Kit control board to manage 0-10V or 3 points modulating valve unit
- Main coil 2-way/3-way valve unit
- Additional coil 2-way/3-way valve unit
- Kit LIFE2 BOX
- Kit Gateway interface for MyHome Bticino System
- Air intake grille kit with version cover
- Straight and angular (90°) plenum kits for air outlet
- Plenum kit with round, straight or 90° air ducts.
- Straight and angular (90°) plenum kits for air inlet
- Heating element kit
- Horizontal and vertical fan coil auxiliary tray

Controls

EK plug-in control /EKW wall mounted control

User interface for selection of functioning mode (OFF/summer/winter/AUTO), fan speed (Max/Med/Min/AUTO), temperature set. Control of main and additional coil valve unit (summer/winter - 2 and 4 pipes installation). Management of traditional ON/OFF valve unit or modulating valve unit 0-10V or 3 points. Air and water temperature probe. Multifunction digital input configurable by user. Configuration dip switch.

Modbus protocol for installation in BMS (e.g. Idrorelax system by Climaveneta). Installation and management of Master-Slave system up to 8 LIFE fan coil units.

Easy control installation thanks to 2 wires connection.

iK control with LCD screen

Interface with LCD screen with user-friendly icons. Control kit for universal installation: wall-mounted as well as plug-in. Selection of functioning mode (OFF/summer/winter/AUTO), fan speed (Max/Med/Min/AUTO), temperature set. Control iK could function manually or with weekly timer regulation configurable by the customer.

Control of main coil valve unit (summer/winter - 2 pipes) and additional coil (winter - 4 pipes). Management of traditional ON/OFF valve unit or modulating valve unit 0-10V or 3 points (supply 230 VAC or 24V).

Parameters configurable directly by user. Modbus protocol for installation in Building Management System (e.g. Idrorelax system by Climaveneta). Installation and management of Master-Slave system up to 8 LIFE2 fan coil units.

Easy control installation thanks to 2 wires connection through HB power board

Remote control

Set-point regulation. Selection of functioning mode (cool, heat, dehumidify, fan), fan speed (Max, Med, Min, AUTO). User-friendly compact remote control with fine aesthetics.

AT-EC plug-in control/ATW-EC wall mounted control

User interface for selection of functioning mode (Off/Summer/Winter/Auto), fan speed (Max,Med,Min,Auto), and temperature set. Control of main and additional coil valve unit. (summer/winter 2 and 4 pipes installation). Management of traditional ON/OFF valve unit. Air and water temperature probe. Multifunction digital input configurable by user. Configuration dip switch. The controls can not be connected to BMS system.



i-LIFE2 / DLIV-DFIV			0202	0402	0602	0802	1002
ELECTRICAL DATA							
Power supply	V/ph/Hz		230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
Max absorbed power	W		48	54	65	74	73
2 PIPES SYSTEM CONFIGURATION							
MAX SPEED							
Air flow	m³/h		360	590	815	980	1310
Total capacity in cooling mode	(1) kW		2,00	3,40	4,40	5,70	7,50
Sensible capacity in cooling mode	(1) kW		1,59	2,61	3,52	4,38	5,81
Max water flow	(1) m³/h		0,34	0,59	0,76	0,98	1,29
Max pressure drop	(1) kPa		12,7	34,3	17,2	26,9	46,8
Total capacity (heating mode)	(2) kW		2,82	4,40	6,06	7,74	10,1
Water flow in heating mode	(2) m³/h		0,34	0,58	0,76	0,98	1,29
Pressure drop in heating mode	(2) kPa		10,9	34,1	14,6	23,3	40,9
Noise Pressure	(3) dB(A)		48	51	53	54	56
Noise Power	(4) dB(A)		57	60	62	63	65
MED SPEED							
Air flow	m³/h		270	380	550	760	920
Total capacity in cooling mode	(1) kW		1,49	2,31	3,02	4,50	5,40
Sensible capacity in cooling mode	(1) kW		1,18	1,75	2,39	3,44	4,14
Max water flow	(1) m³/h		0,26	0,40	0,52	0,77	0,93
Max pressure drop	(1) kPa		7,0	15,8	8,0	16,8	24,3
Total capacity (heating mode)	(2) kW		2,08	3,07	4,15	6,12	7,13
Water flow in heating mode	(2) m³/h		0,26	0,40	0,52	0,78	0,92
Pressure drop in heating mode	(2) kPa		6,2	16,5	7,1	15,0	22,1
Noise Pressure	(3) dB(A)		39	42	44	45	47
Noise Power	(4) dB(A)		48	51	53	54	56
MIN SPEED							
Air flow	m³/h		180	238	286	328	542
Total capacity in cooling mode	(1) kW		1,02	1,48	1,94	2,42	3,27
Sensible capacity in cooling mode	(1) kW		0,81	1,15	1,49	1,88	2,46
Max water flow	(1) m³/h		0,18	0,25	0,33	0,42	0,56
Max pressure drop	(1) kPa		3,3	6,5	3,3	4,8	9,0
Total capacity (heating mode)	(2) kW		1,43	1,97	2,67	3,29	4,32
Water flow in heating mode	(2) m³/h		0,18	0,25	0,33	0,42	0,56
Pressure drop in heating mode	(2) kPa		3,0	7,1	3,1	4,7	8,7
Noise Pressure	(3) dB(A)		31	33	33	34	37
Noise Power	(4) dB(A)		40	42	42	43	46
SIZE AND WEIGHT							
A	(5) mm		450	650	850	1050	1250
B	(5) mm		215	215	215	215	215
H	(5) mm		450	450	450	450	450
Operating weight	(5) kg		11	14	21	24	28

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) 50/* °C (with identical flow note1).

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.

i-LIFE2 / DLIO-DFIO			0202	0402	0602	0802	1002
ELECTRICAL DATA							
Power supply	V/ph/Hz		230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
Max absorbed power	W		48	54	65	74	73
2 PIPES SYSTEM CONFIGURATION							
MAX SPEED							
Air flow	m³/h		360	590	815	980	1310
Total capacity in cooling mode	(1) kW		2,00	3,40	4,40	5,70	7,50
Sensible capacity in cooling mode	(1) kW		1,59	2,61	3,52	4,38	5,81
Max water flow	(1) m³/h		0,34	0,59	0,76	0,98	1,29
Max pressure drop	(1) kPa		12,7	34,3	17,2	26,9	46,8
Total capacity (heating mode)	(2) kW		2,82	4,40	6,06	7,74	10,1
Water flow in heating mode	(2) m³/h		0,34	0,58	0,76	0,98	1,29
Pressure drop in heating mode	(2) kPa		10,9	34,1	14,6	23,3	40,9
Noise Pressure	(3) dB(A)		48	51	53	54	56
Noise Power	(4) dB(A)		57	60	62	63	65
MED SPEED							
Air flow	m³/h		270	380	550	760	920
Total capacity in cooling mode	(1) kW		1,49	2,31	3,02	4,50	5,40
Sensible capacity in cooling mode	(1) kW		1,18	1,75	2,39	3,44	4,14
Max water flow	(1) m³/h		0,26	0,40	0,52	0,77	0,93
Max pressure drop	(1) kPa		7,0	15,8	8,0	16,8	24,3
Total capacity (heating mode)	(2) kW		2,08	3,07	4,15	6,12	7,13
Water flow in heating mode	(2) m³/h		0,26	0,40	0,52	0,78	0,92
Pressure drop in heating mode	(2) kPa		6,2	16,5	7,1	15,0	22,1
Noise Pressure	(3) dB(A)		39	42	44	45	47
Noise Power	(4) dB(A)		48	51	53	54	56
MIN SPEED							
Air flow	m³/h		180	238	286	328	542
Total capacity in cooling mode	(1) kW		1,02	1,48	1,94	2,42	3,27
Sensible capacity in cooling mode	(1) kW		0,81	1,15	1,49	1,88	2,46
Max water flow	(1) m³/h		0,18	0,25	0,33	0,42	0,56
Max pressure drop	(1) kPa		3,3	6,5	3,3	4,8	9,0
Total capacity (heating mode)	(2) kW		1,43	1,97	2,67	3,29	4,32
Water flow in heating mode	(2) m³/h		0,18	0,25	0,33	0,42	0,56
Pressure drop in heating mode	(2) kPa		3,0	7,1	3,1	4,7	8,7
Noise Pressure	(3) dB(A)		31	33	33	34	37
Noise Power	(4) dB(A)		40	42	42	43	46
SIZE AND WEIGHT							
A	(5) mm		545	745	945	1145	1345
B	(5) mm		215	215	215	215	215
H	(5) mm		450	450	450	450	450
Operating weight	(5) kg		12	15	21	25	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) 50/* °C (with identical flow note1).
- 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.

i-LIFE2 / DLMV-DFMV / DLMO-DFMO			0202	0402	0602	0802	1002
ELECTRICAL DATA							
Power supply	V/ph/Hz		230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
Max absorbed power	W		48	54	65	74	73
2 PIPES SYSTEM CONFIGURATION							
MAX SPEED							
Air flow	m³/h		360	590	815	980	1310
Total capacity in cooling mode	(1) kW		2,00	3,40	4,40	5,70	7,50
Sensible capacity in cooling mode	(1) kW		1,59	2,61	3,52	4,38	5,81
Max water flow	(1) m³/h		0,34	0,59	0,76	0,98	1,29
Max pressure drop	(1) kPa		12,7	34,3	17,2	26,9	46,8
Total capacity (heating mode)	(2) kW		2,82	4,40	6,06	7,74	10,1
Water flow in heating mode	(2) m³/h		0,34	0,58	0,76	0,98	1,29
Pressure drop in heating mode	(2) kPa		10,9	34,1	14,6	23,3	40,9
Noise Pressure	(3) dB(A)		48	51	53	54	56
Noise Power	(4) dB(A)		57	60	62	63	65
MED SPEED							
Air flow	m³/h		270	380	550	760	920
Total capacity in cooling mode	(1) kW		1,49	2,31	3,02	4,50	5,40
Sensible capacity in cooling mode	(1) kW		1,18	1,75	2,39	3,44	4,14
Max water flow	(1) m³/h		0,26	0,40	0,52	0,77	0,93
Max pressure drop	(1) kPa		7,0	15,8	8,0	16,8	24,3
Total capacity (heating mode)	(2) kW		2,08	3,07	4,15	6,12	7,13
Water flow in heating mode	(2) m³/h		0,26	0,40	0,52	0,78	0,92
Pressure drop in heating mode	(2) kPa		6,2	16,5	7,1	15,0	22,1
Noise Pressure	(3) dB(A)		39	42	44	45	47
Noise Power	(4) dB(A)		48	51	53	54	56
MIN SPEED							
Air flow	m³/h		180	238	286	328	542
Total capacity in cooling mode	(1) kW		1,02	1,48	1,94	2,42	3,27
Sensible capacity in cooling mode	(1) kW		0,81	1,15	1,49	1,88	2,46
Max water flow	(1) m³/h		0,18	0,25	0,33	0,42	0,56
Max pressure drop	(1) kPa		3,3	6,5	3,3	4,8	9,0
Total capacity (heating mode)	(2) kW		1,43	1,97	2,67	3,29	4,32
Water flow in heating mode	(2) m³/h		0,18	0,25	0,33	0,42	0,56
Pressure drop in heating mode	(2) kPa		3,0	7,1	3,1	4,7	8,7
Noise Pressure	(3) dB(A)		31	33	33	34	37
Noise Power	(4) dB(A)		40	42	42	43	46
SIZE AND WEIGHT							
A	(5) mm		922	1112	1302	1492	1682
B	(5) mm		233	233	233	233	233
H	(5) mm		499	499	499	499	499
Operating weight	(5) kg		14	17	24	28	32

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) 50/* °C (with identical flow note1).
- 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.

i-LIFE2 / DLIV-DFIV			0204	0404	0604	0804	1004
ELECTRICAL DATA							
Power supply	V/ph/Hz		230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
Max absorbed power	W		48	54	65	74	73
4 PIPES SYSTEM CONFIGURATION							
MAX SPEED							
Air flow	m³/h		360	590	815	980	1310
Total capacity in cooling mode	(1) kW		2,00	3,40	4,40	5,70	7,50
Sensible capacity in cooling mode	(1) kW		1,59	2,61	3,52	4,38	5,81
Max water flow	(1) m³/h		0,34	0,59	0,76	0,98	1,29
Max pressure drop	(1) kPa		12,7	34,3	17,2	26,9	46,8
Total capacity (heating mode)	(2) kW		1,67	2,76	3,87	4,82	6,32
Water flow in heating mode	(2) m³/h		0,15	0,24	0,34	0,42	0,55
Pressure drop in heating mode	(2) kPa		10,7	18,6	35,6	18,3	24,3
Noise Pressure	(3) dB(A)		48	51	53	54	56
Noise Power	(4) dB(A)		57	60	62	63	65
MED SPEED							
Air flow	m³/h		270	380	550	760	920
Total capacity in cooling mode	(1) kW		1,49	2,31	3,02	4,50	5,40
Sensible capacity in cooling mode	(1) kW		1,18	1,75	2,39	3,44	4,14
Max water flow	(1) m³/h		0,26	0,40	0,52	0,77	0,93
Max pressure drop	(1) kPa		7,0	15,8	8,0	16,8	24,3
Total capacity (heating mode)	(2) kW		1,24	1,88	2,65	3,81	4,55
Water flow in heating mode	(2) m³/h		0,11	0,16	0,23	0,33	0,40
Pressure drop in heating mode	(2) kPa		6,1	9,0	17,5	11,7	13,1
Noise Pressure	(3) dB(A)		39	42	44	45	47
Noise Power	(4) dB(A)		48	51	53	54	56
MIN SPEED							
Air flow	m³/h		180	238	286	328	542
Total capacity in cooling mode	(1) kW		1,02	1,48	1,94	2,42	3,27
Sensible capacity in cooling mode	(1) kW		0,81	1,15	1,49	1,88	2,46
Max water flow	(1) m³/h		0,18	0,25	0,33	0,42	0,56
Max pressure drop	(1) kPa		3,3	6,5	3,3	4,8	9,0
Total capacity (heating mode)	(2) kW		0,85	1,20	1,71	2,05	2,75
Water flow in heating mode	(2) m³/h		0,07	0,11	0,15	0,18	0,24
Pressure drop in heating mode	(2) kPa		3,0	3,8	7,7	3,6	5,1
Noise Pressure	(3) dB(A)		31	33	33	34	37
Noise Power	(4) dB(A)		40	42	42	43	46
SIZE AND WEIGHT							
A	(5) mm		450	650	850	1050	1250
B	(5) mm		215	215	215	215	215
H	(5) mm		450	450	450	450	450
Operating weight	(5) kg		12	15	22	26	30

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) 70/60 °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.

i-LIFE2 / DLIO-DFIO			0204	0404	0604	0804	1004
ELECTRICAL DATA							
Power supply	V/ph/Hz		230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
Max absorbed power	W		48	54	65	74	73
4 PIPES SYSTEM CONFIGURATION							
MAX SPEED							
Air flow	m³/h		360	590	815	980	1310
Total capacity in cooling mode	(1) kW		2,00	3,40	4,40	5,70	7,50
Sensible capacity in cooling mode	(1) kW		1,59	2,61	3,52	4,38	5,81
Max water flow	(1) m³/h		0,34	0,59	0,76	0,98	1,29
Max pressure drop	(1) kPa		12,7	34,3	17,2	26,9	46,8
Total capacity (heating mode)	(2) kW		1,67	2,76	3,87	4,82	6,32
Water flow in heating mode	(2) m³/h		0,15	0,24	0,34	0,42	0,55
Pressure drop in heating mode	(2) kPa		10,7	18,6	35,6	18,3	24,3
Noise Pressure	(3) dB(A)		48	51	53	54	56
Noise Power	(4) dB(A)		57	60	62	63	65
MED SPEED							
Air flow	m³/h		270	380	550	760	920
Total capacity in cooling mode	(1) kW		1,49	2,31	3,02	4,50	5,40
Sensible capacity in cooling mode	(1) kW		1,18	1,75	2,39	3,44	4,14
Max water flow	(1) m³/h		0,26	0,40	0,52	0,77	0,93
Max pressure drop	(1) kPa		7,0	15,8	8,0	16,8	24,3
Total capacity (heating mode)	(2) kW		1,24	1,88	2,65	3,81	4,55
Water flow in heating mode	(2) m³/h		0,11	0,16	0,23	0,33	0,40
Pressure drop in heating mode	(2) kPa		6,1	9,0	17,5	11,7	13,1
Noise Pressure	(3) dB(A)		39	42	44	45	47
Noise Power	(4) dB(A)		48	51	53	54	56
MIN SPEED							
Air flow	m³/h		180	238	286	328	542
Total capacity in cooling mode	(1) kW		1,02	1,48	1,94	2,42	3,27
Sensible capacity in cooling mode	(1) kW		0,81	1,15	1,49	1,88	2,46
Max water flow	(1) m³/h		0,18	0,25	0,33	0,42	0,56
Max pressure drop	(1) kPa		3,3	6,5	3,3	4,8	9,0
Total capacity (heating mode)	(2) kW		0,85	1,20	1,71	2,05	2,75
Water flow in heating mode	(2) m³/h		0,07	0,11	0,15	0,18	0,24
Pressure drop in heating mode	(2) kPa		3,0	3,8	7,7	3,6	5,1
Noise Pressure	(3) dB(A)		31	33	33	34	37
Noise Power	(4) dB(A)		40	42	42	43	46
SIZE AND WEIGHT							
A	(5) mm		545	745	945	1145	1345
B	(5) mm		215	215	215	215	215
H	(5) mm		450	450	450	450	450
Operating weight	(5) kg		12	16	22	26	30

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) 70/60 °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.

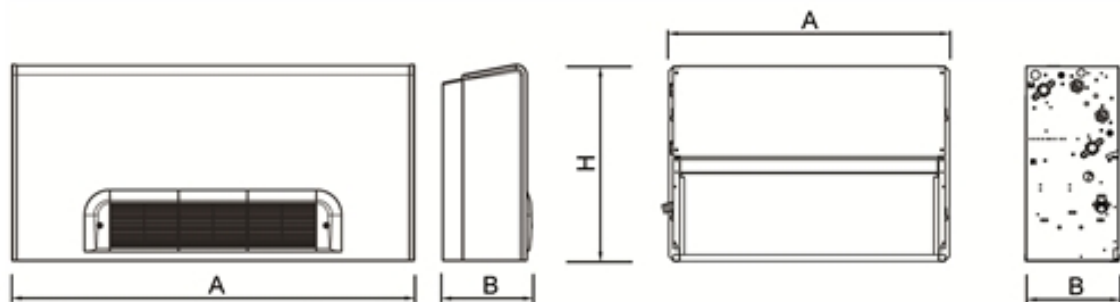
4 Sound power on the basis of measurements made in compliance with ISO 3741 and Eurovent 8/2.

5 Unit in standard configuration/execution, without optional accessories.

i-LIFE2 / DLMV-DFMV / DLMO-DFMO			0204	0404	0604	0804	1004
ELECTRICAL DATA							
Power supply	V/ph/Hz		230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
Max absorbed power	W		48	54	65	74	73
4 PIPES SYSTEM CONFIGURATION							
MAX SPEED							
Air flow	m³/h		360	590	815	980	1310
Total capacity in cooling mode	(1) kW		2,00	3,40	4,40	5,70	7,50
Sensible capacity in cooling mode	(1) kW		1,59	2,61	3,52	4,38	5,81
Max water flow	(1) m³/h		0,34	0,59	0,76	0,98	1,29
Max pressure drop	(1) kPa		12,7	34,3	17,2	26,9	46,8
Total capacity (heating mode)	(2) kW		1,67	2,76	3,87	4,82	6,32
Water flow in heating mode	(2) m³/h		0,15	0,24	0,34	0,42	0,55
Pressure drop in heating mode	(2) kPa		10,7	18,6	35,6	18,3	24,3
Noise Pressure	(3) dB(A)		48	51	53	54	56
Noise Power	(4) dB(A)		57	60	62	63	65
MED SPEED							
Air flow	m³/h		270	380	550	760	920
Total capacity in cooling mode	(1) kW		1,49	2,31	3,02	4,50	5,40
Sensible capacity in cooling mode	(1) kW		1,18	1,75	2,39	3,44	4,14
Max water flow	(1) m³/h		0,26	0,40	0,52	0,77	0,93
Max pressure drop	(1) kPa		7,0	15,8	8,0	16,8	24,3
Total capacity (heating mode)	(2) kW		1,24	1,88	2,65	3,81	4,55
Water flow in heating mode	(2) m³/h		0,11	0,16	0,23	0,33	0,40
Pressure drop in heating mode	(2) kPa		6,1	9,0	17,5	11,7	13,1
Noise Pressure	(3) dB(A)		39	42	44	45	47
Noise Power	(4) dB(A)		48	51	53	54	56
MIN SPEED							
Air flow	m³/h		180	238	286	328	542
Total capacity in cooling mode	(1) kW		1,02	1,48	1,94	2,42	3,27
Sensible capacity in cooling mode	(1) kW		0,81	1,15	1,49	1,88	2,46
Max water flow	(1) m³/h		0,18	0,25	0,33	0,42	0,56
Max pressure drop	(1) kPa		3,3	6,5	3,3	4,8	9,0
Total capacity (heating mode)	(2) kW		0,85	1,20	1,71	2,05	2,75
Water flow in heating mode	(2) m³/h		0,07	0,11	0,15	0,18	0,24
Pressure drop in heating mode	(2) kPa		3,0	3,8	7,7	3,6	5,1
Noise Pressure	(3) dB(A)		31	33	33	34	37
Noise Power	(4) dB(A)		40	42	42	43	46
SIZE AND WEIGHT							
A	(5) mm		922	1112	1302	1492	1682
B	(5) mm		233	233	233	233	233
H	(5) mm		499	499	499	499	499
Operating weight	(5) kg		15	18	25	29	33

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) 70/60 °C; Supplementary coil 1-row.
- 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.



Hydronic terminals

a-LIFE2 HP 0302 - 1204



High head fan-coil for professional application built-in version 2,88-8,60 kW

a-LIFE2 HP are professional high-head fan coils by Climaveneta. The enhanced motor and the built-in version make these units ideal for ducted systems in tertiary and commercial sectors.

Version

DFIO	built-in version, front air intake, horizontal installation
DFIV	built-in version, front air intake, vertical installation
DLIO	built-in version, low air intake, horizontal installation
DLIV	built-in version, low air intake, vertical installation.

Features

High pressure centrifugal fan unit for ducted system;
Multi speed directly coupled electric motor;
Configurations for 2 and 4 pipe Systems.
Structure in hot galvanised steel for maximum resistance to rust;
Left-hand water connections, easy convertible into right-hand, by simply turning the coil
Air filter on all models.
Auxiliary drain pan with thermal insulation for all Horizontal versions, made of galvanized steel.
Plastic drain pan for all Vertical versions.

Accessory

- Hot water coil kit
- Main coil 2-way/3-way valve unit
- Main and additional coil valve unit ON/OFF, PWM, 0-10 V, 3 points 2-way or 3-way
- Kit control board to manage 0-10V or 3 points modulating valve unit
- Kit RS485 - interface for Building Management System
- Kit Bus Adapter for BMS
- Kit Gateway interface for MyHome Bticino System
- Interface SPB Kit
- Heating element kit
- Condensate drain pump
- Horizontal and vertical fan coil auxiliary tray
- Hose kit
- Straight and angular (90°) plenum kits for air inlet
- Plenum kit with round, straight or 90° air ducts.

Controls

ATW wall mounted

Mode button (OFF/summer/winter/AUTO), fan speed button (Max/Med/Min/AUTO). Thermostat with set point regulation. ON/OFF valve unit control (summer/winter for 2 and 4 pipes installation). Control of traditional or PWM modulating valve units. Room temperature probe and water temperature probe. Digital input configurable as: window contact, economy, heating or cooling remote changeover, periodic ventilation. Configuration dip switch. TTL serial port with Modbus protocol for installation in BMS.

MTW wall mounted

Fan speed slider, mode slider (OFF/summer/winter). Thermostat with set point regulation. ON/OFF valve unit control (summer/winter for 2 pipes installation), ON/OFF second valve unit control (winter for 4 pipes installation). Room temperature probe. Remote water temperature probe.

PSW wall mounted

Fan speed slider, mode slider (OFF/summer/winter). ON/OFF valve unit control (summer/winter for 2 pipes installation), ON/OFF second valve unit control (winter for 4 pipes installation). Remote water temperature probe.

Remote Control EKW

User interface for selection of functioning mode (OFF/summer/winter/AUTO), fan speed (Max/Med/Min/AUTO), temperature set. Control of main and additional coil valve unit (summer/winter - 2 and 4 pipes installation) . Management of traditional ON/OFF valve unit or modulating valve unit 0-10V or 3 points . Air and water temperature probe. Multifunction digital input configurable by user. Configuration dip switch. Modbus protocol for installation in BMS (e.g. Idrorelax system by Climaveneta). Installation and management of Master-Slave system up to 8 LIFE2 fan coil units.

Easy control installation thanks to 2 wires connection.

iK control with LCD screen

Interface with LCD screen with user-friendly icons. Control kit for universal installation: wall-mounted as well as plug-in. Selection of functioning mode (OFF/summer/winter/AUTO), fan speed (Max/Med/Min/AUTO), temperature set. Control iK could function manually or with weekly timer regulation configurable by the customer.

Control of main coil valve unit (summer/winter - 2 pipes) and additional coil (winter - 4 pipes). Management of traditional ON/OFF valve unit or modulating valve unit 0-10V or 3 points (supply 230 VAC or 24V) .

Parameters configurable directly by user. Modbus protocol for installation in Building Management System (e.g. Idrorelax system by Climaveneta). Installation and management of Master-Slave system up to 8 LIFE2 fan coil units.

Easy control installation thanks to 2 wires connection through HB power board

Remote control

Set-point regulation. Selection of functioning mode (cool, heat, dehumidify, fan), fan speed (Max, Med, Min, AUTO). User-friendly compact remote control with fine aesthetics.



a-LIFE2 HP DFIV/DLIV			0302	0402	0502	0602	0702	0802	0902	1002	1102	1202
ELECTRICAL DATA												
Power supply	V/ph/Hz		230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
Max absorbed power	W		127	127	115	115	196	196	225	225	285	285
2 PIPES SYSTEM CONFIGURATION												
MAX SPEED												
Air flow	m³/h		561	623	705	783	1004	1116	1390	1544	1740	1933
Total capacity in cooling mode	(1) kW		2,88	3,28	3,74	4,14	4,62	5,20	6,20	7,20	8,05	8,60
Sensible capacity in cooling mode	(1) kW		2,39	2,77	2,93	3,53	3,91	4,44	5,14	5,91	6,99	7,32
Max water flow	(1) m³/h		0,50	0,56	0,64	0,71	0,80	0,90	1,07	1,24	1,39	1,48
Max pressure drop	(1) kPa		31,5	31,9	12,2	15,2	19,5	22,4	33,5	43,1	14,2	15,9
Total capacity (heating mode)	(2) kW		3,83	4,35	4,96	5,49	6,13	6,91	8,22	9,55	10,7	11,4
Water flow in heating mode	(2) m³/h		0,50	0,56	0,64	0,71	0,79	0,89	1,07	1,24	1,38	1,48
Pressure drop in heating mode	(2) kPa		26,7	31,9	10,4	12,9	16,8	19,6	29,4	37,9	14,1	15,8
Noise Pressure	(3) dB(A)		52	56	47	51	52	55	54	59	57	59
Noise Power	(4) dB(A)		61	65	56	60	61	64	63	68	66	68
MED SPEED												
Air flow	m³/h		500	555	525	583	767	852	1078	1198	1547	1719
Total capacity in cooling mode	(1) kW		2,31	2,70	3,04	3,23	3,57	4,49	5,70	6,25	7,50	8,10
Sensible capacity in cooling mode	(1) kW		1,90	2,24	2,31	2,66	2,84	3,74	4,67	5,15	6,46	7,03
Max water flow	(1) m³/h		0,40	0,46	0,52	0,56	0,61	0,77	0,98	1,08	1,29	1,39
Max pressure drop	(1) kPa		20,2	21,6	8,0	9,2	11,6	16,7	28,3	32,5	12,3	14,0
Total capacity (heating mode)	(2) kW		3,07	3,58	4,03	4,28	4,74	5,96	7,57	8,29	9,95	10,8
Water flow in heating mode	(2) m³/h		0,40	0,46	0,52	0,55	0,61	0,77	0,98	1,07	1,29	1,39
Pressure drop in heating mode	(2) kPa		17,5	22,1	7,0	8,0	10,3	14,9	25,2	29,2	12,2	14,0
Noise Pressure	(3) dB(A)		45	52	41	44	41	49	51	54	55	57
Noise Power	(4) dB(A)		54	61	50	53	50	58	60	63	64	66
MIN SPEED												
Air flow	m³/h		392	435	464	516	584	649	923	1026	1381	1534
Total capacity in cooling mode	(1) kW		2,08	2,21	2,28	2,92	3,22	3,50	4,83	5,40	6,90	7,40
Sensible capacity in cooling mode	(1) kW		1,69	1,82	1,71	2,37	2,49	2,78	3,88	4,42	5,83	6,25
Max water flow	(1) m³/h		0,36	0,38	0,39	0,50	0,55	0,60	0,83	0,93	1,19	1,27
Max pressure drop	(1) kPa		16,3	14,5	4,5	7,5	9,4	10,1	20,4	24,3	10,4	11,7
Total capacity (heating mode)	(2) kW		2,76	2,94	3,02	3,88	4,27	4,65	6,41	7,16	9,15	9,82
Water flow in heating mode	(2) m³/h		0,36	0,38	0,39	0,50	0,55	0,60	0,83	0,93	1,19	1,27
Pressure drop in heating mode	(2) kPa		14,3	15,1	4,0	6,6	8,5	9,3	18,6	22,3	10,3	11,7
Noise Pressure	(3) dB(A)		42	45	34	41	38	41	47	51	54	54
Noise Power	(4) dB(A)		51	54	43	50	47	50	56	60	63	63
SIZE AND WEIGHT												
A	(5) mm		650	650	850	850	1050	1050	1250	1250	1450	1450
B	(5) mm		215	215	215	215	215	215	215	215	215	215
H	(5) mm		450	450	450	450	450	450	450	450	450	450
Operating weight	(5) kg		14	15	20	21	24	25	28	29	31	34

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) 50/° °C (with identical flow note1).

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.

a-LIFE2 HP DFIO/DLIO			0302	0402	0502	0602	0702	0802	0902	1002	1102	1202
ELECTRICAL DATA												
Power supply	V/ph/Hz		230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
Max absorbed power	W		127	127	115	115	196	196	225	225	285	285
2 PIPES SYSTEM CONFIGURATION												
MAX SPEED												
Air flow	m³/h		561	623	705	783	1004	1116	1390	1544	1740	1933
Total capacity in cooling mode	(1) kW		2,88	3,28	3,74	4,14	4,62	5,20	6,20	7,20	8,05	8,60
Sensible capacity in cooling mode	(1) kW		2,39	2,77	2,93	3,53	3,91	4,44	5,14	5,91	6,99	7,32
Max water flow	(1) m³/h		0,50	0,56	0,64	0,71	0,80	0,90	1,07	1,24	1,39	1,48
Max pressure drop	(1) kPa		31,5	31,9	12,2	15,2	19,5	22,4	33,5	43,1	14,2	15,9
Total capacity (heating mode)	(2) kW		3,83	4,35	4,96	5,49	6,13	6,91	8,22	9,55	10,7	11,4
Water flow in heating mode	(2) m³/h		0,50	0,56	0,64	0,71	0,79	0,89	1,07	1,24	1,38	1,48
Pressure drop in heating mode	(2) kPa		26,7	31,9	10,4	12,9	16,8	19,6	29,4	37,9	14,1	15,8
Noise Pressure	(3) dB(A)		52	56	47	51	52	55	54	59	57	59
Noise Power	(4) dB(A)		61	65	56	60	61	64	63	68	66	68
MED SPEED												
Air flow	m³/h		500	555	525	583	767	852	1078	1198	1547	1719
Total capacity in cooling mode	(1) kW		2,31	2,70	3,04	3,23	3,57	4,49	5,70	6,25	7,50	8,10
Sensible capacity in cooling mode	(1) kW		1,90	2,24	2,31	2,66	2,84	3,74	4,67	5,15	6,46	7,03
Max water flow	(1) m³/h		0,40	0,46	0,52	0,56	0,61	0,77	0,98	1,08	1,29	1,39
Max pressure drop	(1) kPa		20,2	21,6	8,0	9,2	11,6	16,7	28,3	32,5	12,3	14,0
Total capacity (heating mode)	(2) kW		3,07	3,58	4,03	4,28	4,74	5,96	7,57	8,29	9,95	10,8
Water flow in heating mode	(2) m³/h		0,40	0,46	0,52	0,55	0,61	0,77	0,98	1,07	1,29	1,39
Pressure drop in heating mode	(2) kPa		17,5	22,1	7,0	8,0	10,3	14,9	25,2	29,2	12,2	14,0
Noise Pressure	(3) dB(A)		45	52	41	44	41	49	51	54	55	57
Noise Power	(4) dB(A)		54	61	50	53	50	58	60	63	64	66
MIN SPEED												
Air flow	m³/h		392	435	464	516	584	649	923	1026	1381	1534
Total capacity in cooling mode	(1) kW		2,08	2,21	2,28	2,92	3,22	3,50	4,83	5,40	6,90	7,40
Sensible capacity in cooling mode	(1) kW		1,69	1,82	1,71	2,37	2,49	2,78	3,88	4,42	5,83	6,25
Max water flow	(1) m³/h		0,36	0,38	0,39	0,50	0,55	0,60	0,83	0,93	1,19	1,27
Max pressure drop	(1) kPa		16,3	14,5	4,5	7,5	9,4	10,1	20,4	24,3	10,4	11,7
Total capacity (heating mode)	(2) kW		2,76	2,94	3,02	3,88	4,27	4,65	6,41	7,16	9,15	9,82
Water flow in heating mode	(2) m³/h		0,36	0,38	0,39	0,50	0,55	0,60	0,83	0,93	1,19	1,27
Pressure drop in heating mode	(2) kPa		14,3	15,1	4,0	6,6	8,5	9,3	18,6	22,3	10,3	11,7
Noise Pressure	(3) dB(A)		42	45	34	41	38	41	47	51	54	54
Noise Power	(4) dB(A)		51	54	43	50	47	50	56	60	63	63
SIZE AND WEIGHT												
A	(5) mm		745	745	945	945	1145	1145	1345	1345	1545	1545
B	(5) mm		215	215	215	215	215	215	215	215	215	215
H	(5) mm		450	450	450	450	450	450	450	450	450	450
Operating weight	(5) kg		14	15	20	21	24	25	28	29	31	34

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) 50/* °C (with identical flow note1).
- 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.

a-LIFE2 HP DFIV/DLIV			0304	0404	0504	0604	0704	0804	0904	1004	1104	1204
ELECTRICAL DATA												
Power supply	V/ph/Hz		230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
Max absorbed power	W		127	127	115	115	196	196	225	225	285	285
4 PIPES SYSTEM CONFIGURATION												
MAX SPEED												
Air flow	m³/h		561	623	705	783	1004	1116	1390	1544	1740	1933
Total capacity in cooling mode	(1) kW		2,88	3,28	3,74	4,14	4,62	5,20	6,20	7,20	8,05	8,60
Sensible capacity in cooling mode	(1) kW		2,39	2,77	3,15	3,53	3,91	4,44	5,14	5,91	6,99	7,32
Max water flow	(1) m³/h		0,50	0,56	0,64	0,71	0,80	0,90	1,07	1,24	1,39	1,48
Max pressure drop	(1) kPa		31,5	31,9	12,2	15,2	19,5	22,4	34,2	43,1	14,2	15,9
Total capacity (heating mode)	(2) kW		2,34	2,66	3,29	3,64	3,71	4,18	4,96	5,76	6,44	6,88
Water flow in heating mode	(2) m³/h		0,21	0,23	0,29	0,32	0,33	0,37	0,43	0,50	0,56	0,60
Pressure drop in heating mode	(2) kPa		13,6	17,3	26,3	31,7	11,1	13,9	15,4	20,4	17,9	20,1
Noise Pressure	(3) dB(A)		52	56	47	51	52	55	54	59	57	59
Noise Power	(4) dB(A)		61	65	56	60	61	64	63	68	66	68
MED SPEED												
Air flow	m³/h		500	555	525	583	767	852	1078	1198	1547	1719
Total capacity in cooling mode	(1) kW		2,31	2,70	3,04	3,23	3,57	4,49	5,70	6,25	7,50	8,10
Sensible capacity in cooling mode	(1) kW		1,90	2,24	2,48	2,66	2,84	3,74	4,67	5,15	6,46	7,03
Max water flow	(1) m³/h		0,40	0,46	0,52	0,56	0,61	0,77	0,98	1,08	1,29	1,39
Max pressure drop	(1) kPa		20,2	21,6	8,0	9,2	11,6	16,7	28,9	32,5	12,3	14,0
Total capacity (heating mode)	(2) kW		1,88	2,19	2,67	2,84	2,87	3,61	4,56	5,00	6,00	6,48
Water flow in heating mode	(2) m³/h		0,16	0,19	0,23	0,25	0,25	0,32	0,40	0,44	0,53	0,57
Pressure drop in heating mode	(2) kPa		9,0	12,0	17,8	20,0	6,8	10,5	13,1	15,6	15,7	18,1
Noise Pressure	(3) dB(A)		45	52	41	44	41	49	51	54	55	57
Noise Power	(4) dB(A)		54	61	50	53	50	58	60	63	64	66
MIN SPEED												
Air flow	m³/h		392	435	464	516	584	649	923	1026	1381	1534
Total capacity in cooling mode	(1) kW		2,08	2,21	2,28	2,92	3,22	3,50	4,83	5,40	6,90	7,40
Sensible capacity in cooling mode	(1) kW		1,69	1,82	1,84	2,37	2,49	2,78	3,88	4,42	5,83	6,25
Max water flow	(1) m³/h		0,36	0,38	0,39	0,50	0,55	0,60	0,83	0,93	1,19	1,27
Max pressure drop	(1) kPa		16,3	14,5	4,5	7,5	9,4	10,1	20,8	24,3	10,4	11,7
Total capacity (heating mode)	(2) kW		1,69	1,79	2,00	2,57	2,59	2,81	3,86	4,32	5,52	5,92
Water flow in heating mode	(2) m³/h		0,15	0,16	0,18	0,23	0,23	0,25	0,34	0,38	0,48	0,52
Pressure drop in heating mode	(2) kPa		7,3	8,2	10,4	16,6	5,6	6,5	9,6	11,9	13,5	15,4
Noise Pressure	(3) dB(A)		42	45	34	41	38	41	49	51	54	54
Noise Power	(4) dB(A)		51	54	43	50	47	50	58	60	63	63
SIZE AND WEIGHT												
A	(5) mm		650	650	850	850	1050	1050	1250	1250	1450	1450
B	(5) mm		215	215	215	215	215	215	215	215	215	215
H	(5) mm		450	450	450	450	450	450	450	450	450	450
Operating weight	(5) kg		15	16	21	22	25	26	29	31	32	35

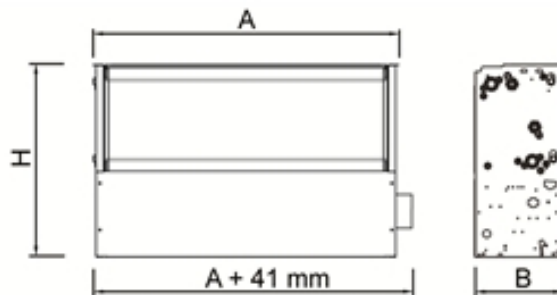
Notes:

- 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) 70/60 °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.

a-LIFE2 HP DFIO/DLIO			0304	0404	0504	0604	0704	0804	0904	1004	1104	1204
ELECTRICAL DATA												
Power supply	V/ph/Hz		230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
Max absorbed power	W		127	127	115	115	196	196	225	225	285	285
4 PIPES SYSTEM CONFIGURATION												
MAX SPEED												
Air flow	m³/h		561	623	705	783	1004	1116	1390	1544	1740	1933
Total capacity in cooling mode	(1) kW		2,88	3,28	3,74	4,14	4,62	5,20	6,20	7,20	8,05	8,60
Sensible capacity in cooling mode	(1) kW		2,39	2,77	3,15	3,53	3,91	4,44	5,14	5,91	6,99	7,32
Max water flow	(1) m³/h		0,50	0,56	0,64	0,71	0,80	0,90	1,07	1,24	1,39	1,48
Max pressure drop	(1) kPa		31,5	31,9	12,2	15,2	19,5	22,4	34,2	43,1	14,2	15,9
Total capacity (heating mode)	(2) kW		2,34	2,66	3,29	3,64	3,71	4,18	4,96	5,76	6,44	6,88
Water flow in heating mode	(2) m³/h		0,21	0,23	0,29	0,32	0,33	0,37	0,43	0,50	0,56	0,60
Pressure drop in heating mode	(2) kPa		13,6	17,3	26,3	31,7	11,1	13,9	15,4	20,4	17,9	20,1
Noise Pressure	(3) dB(A)		52	56	47	51	52	55	54	59	57	59
Noise Power	(4) dB(A)		61	65	56	60	61	64	63	68	66	68
MED SPEED												
Air flow	m³/h		500	555	525	583	767	852	1078	1198	1547	1719
Total capacity in cooling mode	(1) kW		2,31	2,70	3,04	3,23	3,57	4,49	5,70	6,25	7,50	8,10
Sensible capacity in cooling mode	(1) kW		1,90	2,24	2,48	2,66	2,84	3,74	4,67	5,15	6,46	7,03
Max water flow	(1) m³/h		0,40	0,46	0,52	0,56	0,61	0,77	0,98	1,08	1,29	1,39
Max pressure drop	(1) kPa		20,2	21,6	8,0	9,2	11,6	16,7	28,9	32,5	12,3	14,0
Total capacity (heating mode)	(2) kW		1,88	2,19	2,67	2,84	2,87	3,61	4,56	5,00	6,00	6,48
Water flow in heating mode	(2) m³/h		0,16	0,19	0,23	0,25	0,25	0,32	0,40	0,44	0,53	0,57
Pressure drop in heating mode	(2) kPa		9,0	12,0	17,8	20,0	6,8	10,5	13,1	15,6	15,7	18,1
Noise Pressure	(3) dB(A)		45	52	41	44	41	49	51	54	55	57
Noise Power	(4) dB(A)		54	61	50	53	50	58	60	63	64	66
MIN SPEED												
Air flow	m³/h		392	435	464	516	584	649	923	1026	1381	1534
Total capacity in cooling mode	(1) kW		2,08	2,21	2,28	2,92	3,22	3,50	4,83	5,40	6,90	7,40
Sensible capacity in cooling mode	(1) kW		1,69	1,82	1,84	2,37	2,49	2,78	3,88	4,42	5,83	6,25
Max water flow	(1) m³/h		0,36	0,38	0,39	0,50	0,55	0,60	0,83	0,93	1,19	1,27
Max pressure drop	(1) kPa		16,3	14,5	4,5	7,5	9,4	10,1	20,8	24,3	10,4	11,7
Total capacity (heating mode)	(2) kW		1,69	1,79	2,00	2,57	2,59	2,81	3,86	4,32	5,52	5,92
Water flow in heating mode	(2) m³/h		0,15	0,16	0,18	0,23	0,23	0,25	0,34	0,38	0,48	0,52
Pressure drop in heating mode	(2) kPa		7,3	8,2	10,4	16,6	5,6	6,5	9,6	11,9	13,5	15,4
Noise Pressure	(3) dB(A)		42	45	34	41	38	41	49	51	54	54
Noise Power	(4) dB(A)		51	54	43	50	47	50	58	60	63	63
SIZE AND WEIGHT												
A	(5) mm		745	745	945	945	1145	1145	1345	1345	1545	1545
B	(5) mm		215	215	215	215	215	215	215	215	215	215
H	(5) mm		450	450	450	450	450	450	450	450	450	450
Operating weight	(5) kg		15	16	21	22	25	27	29	31	32	36

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) 70/60 °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.



Hydronic terminals

i-LIFE SLIM 102 - 502



Residential fan-coils with cabinet or concealed version, with inverter motor e tangential fan. 0,84-3,86 kW

i-LIFE 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-LIFE Slim the perfect solution for residential applications. The fan coil is also available with i-LIFE R-SLIM 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.

Controls

iKS2 - on board Control

On-board control for unit with cabinet complete with touch keypad with 8 touch key, LCD display with colored symbols. Modulating fan speed with PID logic, temperature regulation, winter/summer mode, automatic mode for the speed regulation, night mode for a silent operation. Minimum water probe and solenoid management, it's possible to manage the function even without the water probe.

Remote Control iKSW2

Remote control for built-in and with cabinet units complete with touch keypad with 8 touch keys, LCD display with colored symbols. Modulating fan speed with PID logic, temperature regulation, winter/summer mode, automatic mode for the speed regulation, night mode for a silent operation. Minimum water probe and solenoid valve management. A maximum of 31 fancoils can be connected to the iKSW control for open space rooms. Each unit must have the iHBS2 powerboard installed. RS485 output for connection in BMS.

iHBS2 - On board simplified Control

Simple on board control for built-in and with cabinet units, to be coupled with remote control iKSW2. iHBS2 control has a LED for the visualization of the device's operation. All the parameters are set up from iKSW2. It is possible to manage the function even without the water probe. The iHBS2 powerboard is able to supply power to iKSW2 control.

ATS2 - Control with 4 speed regulation

Controller for units with cabinet. Interface with 8 keys for the temperature selection, winter/summer mode, 4 speed regulation, (Max. Min. Night and Auto) with display for room temperature visualization. Minimum water temperature probe and solenoid valve management. It's possible to manage the function even without the water probe.

HBS2 Control - Powerboard card

Simple on board control for built-in units or with cabinet units, to be coupled with ATW Climaveneta remote control or other remote controls which manage the regulation of fixed fan speeds. HBS2 has a LED for the visualization of the device's operation. All the parameters are set up from the remote control. There are 2 versions of this powerboard. Version for ON/OFF signal (HBS2) and version for 0-10V signal (HBS2010)

Version

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.

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

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.

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

Configuration for 2 pipes systems.

Accessory

- Drain Pan for horizontal installation
- Main coil 2-way/3-way valve unit
- Fitting for air intake in built-in installation
- Telescopic air flow duct and 90° duct for false ceiling and build in installation
- Aluminium air flow vent for wall mounting
- Aluminium Air intake grid
- UVC air sterilisation device
- Casing for build in version - i-LIFE Slim Box
- Casing cover panel with frame and front panel grid
- Eurokonus adapter
- Pair of decorative and structural feet



i-LIFE SLIM / DLMO - DLMV			102	202	302	402	502
ELECTRICAL DATA							
Power supply	V/ph/Hz		230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
Max absorbed power	W		18	27	35	35	37
2 PIPES SYSTEM CONFIGURATION							
MAX SPEED							
Air flow	m ³ /h		162	320	461	576	648
Total capacity in cooling mode	(1) kW		0,84	1,79	2,69	3,39	3,86
Sensible capacity in cooling mode	(1) kW		0,63	1,29	1,99	2,69	3,06
Max water flow	(1) m ³ /h		0,15	0,31	0,46	0,58	0,66
Max pressure drop	(1) kPa		7,4	5,5	22,6	19,1	25,0
Total capacity (heating mode)	(2) kW		1,12	2,38	3,29	4,19	4,96
Water flow in heating mode	(2) m ³ /h		0,15	0,31	0,46	0,58	0,67
Pressure drop in heating mode	(2) kPa		7,4	5,5	22,1	19,0	25,1
Noise Pressure	(3) dB(A)		41	42	44	45	46
Noise Power	(4) dB(A)		50	51	53	54	55
MED SPEED							
Air flow	m ³ /h		113	252	367	453	494
Total capacity in cooling mode	(1) kW		0,71	1,57	2,26	2,82	3,12
Sensible capacity in cooling mode	(1) kW		0,53	1,15	1,75	2,12	2,38
Max water flow	(1) m ³ /h		0,12	0,27	0,39	0,49	0,54
Max pressure drop	(1) kPa		5,3	4,3	16,3	13,4	15,9
Total capacity (heating mode)	(2) kW		0,91	2,04	2,76	3,49	4,04
Water flow in heating mode	(2) m ³ /h		0,12	0,27	0,39	0,49	0,54
Pressure drop in heating mode	(2) kPa		5,2	4,3	16,3	13,4	15,9
Noise Pressure	(3) dB(A)		35	36	36	37	40
Noise Power	(4) dB(A)		44	45	45	46	49
MIN SPEED							
Air flow	m ³ /h		55	155	248	370	426
Total capacity in cooling mode	(1) kW		0,37	1,07	1,47	2,42	2,73
Sensible capacity in cooling mode	(1) kW		0,27	0,76	1,21	1,82	2,09
Max water flow	(1) m ³ /h		0,06	0,18	0,25	0,42	0,47
Max pressure drop	(1) kPa		1,4	2,0	7,3	9,9	12,0
Total capacity (heating mode)	(2) kW		0,39	1,40	1,82	3,00	3,59
Water flow in heating mode	(2) m ³ /h		0,06	0,18	0,25	0,42	0,47
Pressure drop in heating mode	(2) kPa		1,4	2,0	7,3	10,0	12,0
Noise Pressure	(3) dB(A)		26	27	27	28	30
Noise Power	(4) dB(A)		35	36	36	37	39
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) 50/* °C (with identical flow note1).

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.

i-LIFE SLIM / DLIU			102	202	302	402	502
ELECTRICAL DATA							
Power supply	V/ph/Hz		230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
Max absorbed power	W		18	27	35	35	37
2 PIPES SYSTEM CONFIGURATION							
MAX SPEED							
Air flow	m³/h		162	320	461	576	648
Total capacity in cooling mode	(1) kW		0,84	1,79	2,69	3,39	3,86
Sensible capacity in cooling mode	(1) kW		0,63	1,29	1,99	2,69	3,06
Max water flow	(1) m³/h		0,15	0,31	0,46	0,58	0,66
Max pressure drop	(1) kPa		7,4	5,5	22,6	19,1	25,0
Total capacity (heating mode)	(2) kW		1,12	2,38	3,29	4,19	4,96
Water flow in heating mode	(2) m³/h		0,15	0,31	0,46	0,58	0,67
Pressure drop in heating mode	(2) kPa		7,4	5,5	22,1	19,0	25,1
Noise Pressure	(3) dB(A)		41	42	44	45	46
Noise Power	(4) dB(A)		50	51	53	54	55
MED SPEED							
Air flow	m³/h		113	252	367	453	494
Total capacity in cooling mode	(1) kW		0,71	1,57	2,26	2,82	3,12
Sensible capacity in cooling mode	(1) kW		0,53	1,15	1,75	2,12	2,38
Max water flow	(1) m³/h		0,12	0,27	0,39	0,49	0,54
Max pressure drop	(1) kPa		5,3	4,3	16,3	13,4	15,9
Total capacity (heating mode)	(2) kW		0,91	2,04	2,76	3,49	4,04
Water flow in heating mode	(2) m³/h		0,12	0,27	0,39	0,49	0,54
Pressure drop in heating mode	(2) kPa		5,2	4,3	16,3	13,4	15,9
Noise Pressure	(3) dB(A)		35	36	36	37	40
Noise Power	(4) dB(A)		44	45	45	46	49
MIN SPEED							
Air flow	m³/h		55	155	248	370	426
Total capacity in cooling mode	(1) kW		0,37	1,07	1,47	2,42	2,73
Sensible capacity in cooling mode	(1) kW		0,27	0,76	1,21	1,82	2,09
Max water flow	(1) m³/h		0,06	0,18	0,25	0,42	0,47
Max pressure drop	(1) kPa		1,4	2,0	7,3	9,9	12,0
Total capacity (heating mode)	(2) kW		0,39	1,40	1,82	3,00	3,59
Water flow in heating mode	(2) m³/h		0,06	0,18	0,25	0,42	0,47
Pressure drop in heating mode	(2) kPa		1,4	2,0	7,3	10,0	12,0
Noise Pressure	(3) dB(A)		26	27	27	28	30
Noise Power	(4) dB(A)		35	36	36	37	39
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

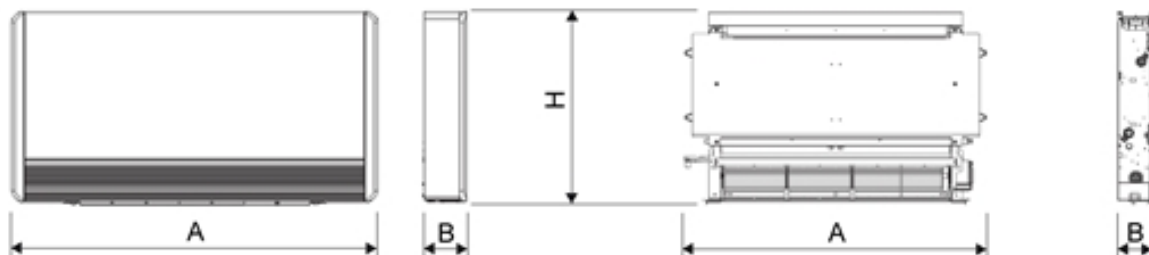
Notes:

- 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) 50/* °C (with identical flow note1).
- 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.

i-LIFE SLIM / DLRV			102	202	302	402	502
ELECTRICAL DATA							
Power supply	V/ph/Hz		230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
Max absorbed power	W		18	27	35	35	37
2 PIPES SYSTEM CONFIGURATION							
MAX SPEED							
Air flow	m³/h		162	320	461	576	648
Total capacity in cooling mode	(1) kW		0,84	1,79	2,69	3,39	3,86
Sensible capacity in cooling mode	(1) kW		0,63	1,29	1,99	2,69	3,06
Max water flow	(1) m³/h		0,15	0,31	0,46	0,58	0,66
Max pressure drop	(1) kPa		7,4	5,5	22,6	19,1	25,0
Total capacity (heating mode)	(2) kW		1,17	2,47	3,50	4,46	5,27
Water flow in heating mode	(2) m³/h		0,15	0,31	0,46	0,58	0,67
Pressure drop in heating mode	(2) kPa		7,4	5,4	22,7	19,1	25,2
Noise Pressure	(3) dB(A)		41	42	44	45	46
Noise Power	(4) dB(A)		50	51	53	54	55
MED SPEED							
Air flow	m³/h		113	252	367	453	494
Total capacity in cooling mode	(1) kW		0,71	1,57	2,26	2,82	3,12
Sensible capacity in cooling mode	(1) kW		0,53	1,15	1,75	2,12	2,38
Max water flow	(1) m³/h		0,12	0,27	0,39	0,49	0,54
Max pressure drop	(1) kPa		5,3	4,3	16,3	13,4	15,9
Total capacity (heating mode)	(2) kW		0,95	2,12	2,93	3,72	4,29
Water flow in heating mode	(2) m³/h		0,12	0,27	0,39	0,48	0,54
Pressure drop in heating mode	(2) kPa		5,4	4,2	16,3	13,1	16,0
Noise Pressure	(3) dB(A)		35	36	36	37	40
Noise Power	(4) dB(A)		44	45	45	46	49
MIN SPEED							
Air flow	m³/h		55	155	248	370	426
Total capacity in cooling mode	(1) kW		0,37	1,07	1,47	2,42	2,73
Sensible capacity in cooling mode	(1) kW		0,27	0,76	1,21	1,82	2,09
Max water flow	(1) m³/h		0,06	0,18	0,25	0,42	0,47
Max pressure drop	(1) kPa		1,4	2,0	7,3	9,9	12,0
Total capacity (heating mode)	(2) kW		0,41	1,46	1,94	3,19	3,81
Water flow in heating mode	(2) m³/h		0,06	0,18	0,25	0,41	0,47
Pressure drop in heating mode	(2) kPa		1,4	2,1	7,3	9,8	12,1
Noise Pressure	(3) dB(A)		26	27	27	28	30
Noise Power	(4) dB(A)		35	36	36	37	39
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) 50/° °C (with identical flow note1).
- 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.



Hydronic terminals

MHD2 30 - 60



High - Wall type Terminal 2,15-4,63 kW

MHD2 belongs to hi-wall fan-coils of Climaveneta. The compactness of this model and its exclusive elegance soften the visual impact and make it ideal for residential and small tertiary installations.

Controls

Remote control

Set-point regulation. Selection of functioning mode (cool, heat, dehumidify, fan), fan speed (Max, Med, Min, AUTO). User-friendly compact remote control with fine aesthetics.

Version

- Base Version

Features

Fan coil in ABS with high mechanical characteristics and resistance to ageing;
Adjustable air flow direction;
Arrangement for right-left condensate drain pipe;
Management of all functions by remote control
Removable panel;

Accessory

- Frame kit
- Solenoid valve 2 ways 1/2"
- Solenoid valve kit 3 ways, 4 fits 1/2" with frame
- Condensate drain pump



MHD2		30	40	50	60
ELECTRICAL DATA					
Power supply	V/ph/Hz	230/1/50	230/1/50	230/1/50	230/1/50
Max absorbed power	W	27	28	40	50
2 PIPES SYSTEM CONFIGURATION					
MAX SPEED					
Air flow	m³/h	436	632	780	920
Total capacity in cooling mode	(1) kW	2,15	2,67	4,00	4,63
Sensible capacity in cooling mode	(1) kW	1,82	2,13	3,02	3,56
Max water flow	(1) m³/h	0,37	0,46	0,69	0,80
Max pressure drop	(1) kPa	8,9	15,0	38,5	49,9
Total capacity (heating mode)	(2) kW	2,48	3,20	4,20	5,07
Water flow in heating mode	(2) m³/h	0,37	0,46	0,69	0,79
Pressure drop in heating mode	(2) kPa	9,0	14,9	38,5	49,7
Noise Pressure	(3) dB(A)	34	41	44	49
Noise Power	(4) dB(A)	45	52	55	60
MED SPEED					
Air flow	m³/h	376	522	691	810
Total capacity in cooling mode	(1) kW	1,85	2,00	3,00	3,86
Sensible capacity in cooling mode	(1) kW	1,60	1,62	2,57	2,97
Max water flow	(1) m³/h	0,32	0,34	0,52	0,66
Max pressure drop	(1) kPa	7,6	10,3	25,7	37,9
Total capacity (heating mode)	(2) kW	2,18	2,40	3,64	4,25
Water flow in heating mode	(2) m³/h	0,32	0,34	0,52	0,67
Pressure drop in heating mode	(2) kPa	7,7	10,2	26,0	38,1
Noise Pressure	(3) dB(A)	31	31	41	45
Noise Power	(4) dB(A)	42	42	52	56
MIN SPEED					
Air flow	m³/h	334	403	570	697
Total capacity in cooling mode	(1) kW	1,65	1,78	2,67	3,36
Sensible capacity in cooling mode	(1) kW	1,42	1,45	2,13	2,58
Max water flow	(1) m³/h	0,28	0,31	0,46	0,58
Max pressure drop	(1) kPa	6,8	8,8	21,9	30,7
Total capacity (heating mode)	(2) kW	1,91	2,13	3,21	3,67
Water flow in heating mode	(2) m³/h	0,28	0,30	0,46	0,58
Pressure drop in heating mode	(2) kPa	6,8	8,7	21,8	31,1
Noise Pressure	(3) dB(A)	27	28	37	42
Noise Power	(4) dB(A)	38	39	48	53
SIZE AND WEIGHT					
A	(5) mm	845	845	920	920
B	(5) mm	180	180	200	200
H	(5) mm	270	270	298	298
Operating weight	(5) kg	10	10	13	13

Notes:

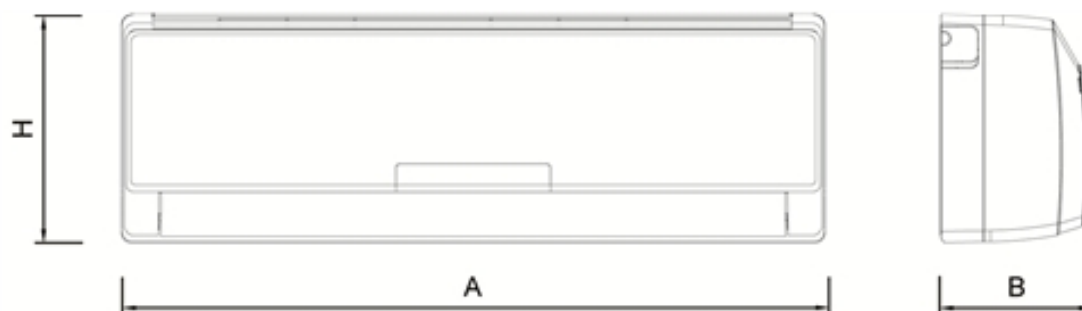
1 Room temperature 27 °C d.b./19°C w.b., Chilled water (in/out) 7/12 °C.

2 Room temperature 20 °C d.b., hot water (in/out) 50/°C (identical flow rate note 1).

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.



Hydronic terminals

a-CHD 0606 - 2209



Version

U - 2T	2 Pipes version
U- 4T	4 Pipes Version

Features

Frame in galvanised steel insulated with self-extinguishing closed-cell polyethylene blanket of suitable thickness, to limit heat loss and noise to a minimum. Airflow grille in ABS built in the cassette, supplied in 1 cartonbox
5-speed electric motor inclusive of thermal switch. Fan
Low-rev radial-blade fan to maximise acoustic comfort.
Coil with corrugated aluminium fins and copper pipes, tested with dried air at 14 bar.
Switchboard with power and control terminal block with screw terminals
Set-up for fresh air intake.
Set-up for duct air distribution.
External Drain Pan

Accessory

- Main coil 2-way/3-way valve unit
- Additional coil 2-way/3-way valve unit
- Fresh Air renewal connection
- Duct Connection Flange
- Kit Bus Adapter for BMS
- Kit Gateway interface for MyHome Bticino System

Cassette type terminal 3,20-11,5 kW

New a- CHD cassette of Climaveneta, with 5 speeds AC motor, is available in two version: for two pipe installation (unit with single coil) and for four pipe installation (unit with double coil). Wide range of sizes and easy installation make them suitable for all types of installations.

Controls

MTW wall mounted

Fan speed slider, mode slider (OFF/summer/winter). Thermostat with set point regulation. ON/OFF valve unit control (summer/winter for 2 pipes installation), ON/OFF second valve unit control (winter for 4 pipes installation). Room temperature probe. Remote water temperature probe.

ATW wall mounted

Mode button (OFF/summer/winter/AUTO), fan speed button (Max/Med/Min/AUTO). Thermostat with set point regulation. ON/OFF valve unit control (summer/winter for 2 and 4 pipes installation). Control of traditional or PWM modulating valve units. Room temperature probe and water temperature probe. Digital input configurable as: window contact, economy, heating or cooling remote changeover, periodic ventilation. Configuration dip switch. TTL serial port with Modbus protocol for installation in BMS.

Remote control

Set-point regulation. Selection of functioning mode (cool, heat, dehumidify, fan), fan speed (Max, Med, Min, AUTO). User-friendly compact remote control with fine aesthetics.



a-CHD			0606	0706	1108	2209
ELECTRICAL DATA						
Power supply	V/ph/Hz		230/1/50	230/1/50	230/1/50	230/1/50
Max absorbed power	W		60	85	147	310
2 PIPES SYSTEM CONFIGURATION						
MAX SPEED						
Air flow	m ³ /h		575	810	1300	2250
Total capacity in cooling mode	(1) kW		3,20	4,56	6,97	11,3
Sensible capacity in cooling mode	(1) kW		2,38	3,20	5,01	8,21
Max water flow	(1) m ³ /h		0,55	0,79	1,20	1,95
Max pressure drop	(1) kPa		10,0	36,4	31,5	47,4
Total capacity (heating mode)	(2) kW		3,89	5,42	8,23	13,6
Water flow in heating mode	(2) m ³ /h		0,56	0,78	1,21	1,94
Pressure drop in heating mode	(2) kPa		7,4	34,1	27,5	44,2
Noise Pressure	(3) dB(A)		41	49	56	59
Noise Power	(4) dB(A)		52	60	67	70
MED SPEED						
Air flow	m ³ /h		290	617	960	1970
Total capacity in cooling mode	(1) kW		1,90	3,60	5,47	9,55
Sensible capacity in cooling mode	(1) kW		1,34	2,50	3,91	7,37
Max water flow	(1) m ³ /h		0,33	0,62	0,94	1,64
Max pressure drop	(1) kPa		4,1	23,5	20,3	34,5
Total capacity (heating mode)	(2) kW		2,18	4,30	6,38	12,1
Water flow in heating mode	(2) m ³ /h		0,33	0,61	0,94	1,64
Pressure drop in heating mode	(2) kPa		3,3	17,5	16,5	31,6
Noise Pressure	(3) dB(A)		34	42	49	54
Noise Power	(4) dB(A)		45	53	60	65
MIN SPEED						
Air flow	m ³ /h		200	450	700	1380
Total capacity in cooling mode	(1) kW		1,38	2,80	4,23	7,50
Sensible capacity in cooling mode	(1) kW		0,96	1,90	3,03	5,52
Max water flow	(1) m ³ /h		0,24	0,48	0,73	1,29
Max pressure drop	(1) kPa		2,3	14,8	12,8	21,9
Total capacity (heating mode)	(2) kW		1,56	3,28	4,90	9,06
Water flow in heating mode	(2) m ³ /h		0,24	0,48	0,73	1,29
Pressure drop in heating mode	(2) kPa		2,0	9,0	10,0	19,8
Noise Pressure	(3) dB(A)		29	32	37	44
Noise Power	(4) dB(A)		40	43	48	55
SIZE AND WEIGHT						
A	(5) mm		575	575	730	830
B	(5) mm		575	575	730	830
H	(5) mm		250	290	290	290
Operating weight	(5) kg		28	30	36	50

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) 50/°C (identical flow rate note 1).

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.

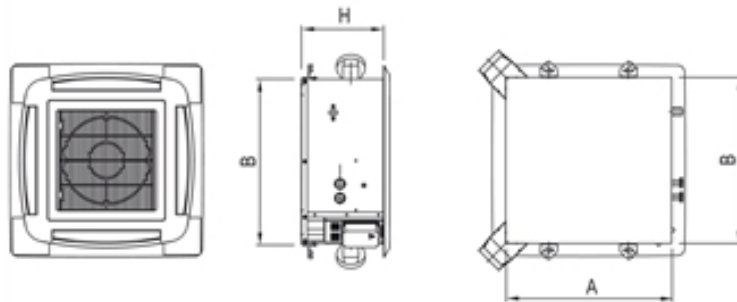
4 Sound power on the basis of measurements made in compliance with ISO 3741 and Eurovent 8/2.

5 Unit in standard configuration/execution, without optional accessories.

a-CHD			0706	1108	2209
ELECTRICAL DATA					
Power supply	V/ph/Hz		230/1/50	230/1/50	230/1/50
Max absorbed power	W		85	147	305
4 PIPES SYSTEM CONFIGURATION					
MAX SPEED					
Air flow	m³/h		810	1300	2250
Total capacity in cooling mode	(1) kW		3,85	5,83	7,95
Sensible capacity in cooling mode	(1) kW		2,79	4,23	5,85
Max water flow	(1) m³/h		0,66	1,00	1,37
Max pressure drop	(1) kPa		27,2	42,1	40,7
Total capacity (heating mode)	(2) kW		4,24	4,62	9,82
Water flow in heating mode	(2) m³/h		0,37	0,41	0,86
Pressure drop in heating mode	(2) kPa		12,5	14,0	27,3
Noise Pressure	(3) dB(A)		49	56	59
Noise Power	(4) dB(A)		60	67	70
MED SPEED					
Air flow	m³/h		617	960	1970
Total capacity in cooling mode	(1) kW		2,87	4,61	6,83
Sensible capacity in cooling mode	(1) kW		2,07	3,33	5,00
Max water flow	(1) m³/h		0,49	0,79	1,18
Max pressure drop	(1) kPa		17,0	27,6	30,9
Total capacity (heating mode)	(2) kW		3,69	3,68	8,90
Water flow in heating mode	(2) m³/h		0,32	0,32	0,78
Pressure drop in heating mode	(2) kPa		9,4	10,5	22,0
Noise Pressure	(3) dB(A)		42	49	54
Noise Power	(4) dB(A)		53	60	65
MIN SPEED					
Air flow	m³/h		450	700	1380
Total capacity in cooling mode	(1) kW		2,42	3,60	5,35
Sensible capacity in cooling mode	(1) kW		1,74	2,58	3,89
Max water flow	(1) m³/h		0,42	0,62	0,92
Max pressure drop	(1) kPa		13,0	17,7	19,9
Total capacity (heating mode)	(2) kW		3,27	2,90	6,80
Water flow in heating mode	(2) m³/h		0,29	0,25	0,60
Pressure drop in heating mode	(2) kPa		7,3	7,8	12,2
Noise Pressure	(3) dB(A)		32	37	44
Noise Power	(4) dB(A)		43	48	55
SIZE AND WEIGHT					
A	(5) mm		575	730	830
B	(5) mm		575	730	830
H	(5) mm		290	290	290
Operating weight	(5) kg		30	36	50

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) 70/60 °C; Supplementary coil 1-row.
- 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.



Hydronic terminals

i-CHD 0706 - 2209



Cassette type Terminal with continuous variation of air flow and cooling power 4,56-10,6 kW

i-CHD is the new cassette of Climaveneta, with high efficiency EC motor and Centrifugal fans that operates through a continuous air flow modulation, with low energy consumption and perfect comfort.

i-CHD is supplied on 2 pipes version. For the 4 Pipes installations we recommend the 2 Pipes i-CHD cassette with 4For2 kit valves.

Version

U - 2T	2 Pipes version
U4T	Version for 4 pipe installations, can be realized with the cassette i- CHD 2-pipe, via the valve mounting 4FOR2.

Features

- High efficiency EC motor.
- Modulating speed centrifugal fan and air flow regulation.
- Energy consumption reduced by more than 50%
- Unit coils guarantee high efficiency thermal exchange with low pressure drop.
- Finned unit coils are made of copper tubes and high exchange surface area aluminium fins. Coils are always tested for leaks with dried air at 14 bar;
- Frame in galvanised steel insulated with self-extinguishing closed-cell polyethylene blanket of suitable thickness, to limit heat loss and noise to a minimum. Airflow grille in ABS built in the cassette, supplied in 1 cartonbox
- Electrical power and control switchboard, complete with electronic air flow regulator and terminal board for connection to network and available remote controls;
- Availability to have fresh air intake, distribute air flow in four directions and also in different room place thanks to air diffuser present on the unit;
- Condensate auxiliary tray standard supplied;

Accessory

- Main coil 2-way/3-way valve unit
- Kit valves 4For2
- Fresh Air renewal connection
- Duct Connection Flange
- i-HB Power box
- Kit RS485 - interface for Building Management System

Controls

MTW wall mounted

Fan speed slider, mode slider (OFF/summer/winter). Thermostat with set point regulation. ON/OFF valve unit control (summer/winter for 2 pipes installation), ON/OFF second valve unit control (winter for 4 pipes installation). Room temperature probe. Remote water temperature probe.

ATW wall mounted

Mode button (OFF/summer/winter/AUTO), fan speed button (Max/Med/Min/AUTO). Thermostat with set point regulation. ON/OFF valve unit control (summer/winter for 2 and 4 pipes installation). Control of traditional or PWM modulating valve units. Room temperature probe and water temperature probe. Digital input configurable as: window contact, economy, heating or cooling remote changeover, periodic ventilation. Configuration dip switch. TTL serial port with Modbus protocol for installation in BMS.

EK plug-in control /EKW wall mounted control

User interface for selection of functioning mode (OFF/summer/winter/AUTO), fan speed (Max/Med/Min/AUTO), temperature set. Control of main and additional coil valve unit (summer/winter - 2 and 4 pipes installation) . Management of traditional ON/OFF valve unit or modulating valve unit 0-10V or 3 points . Air and water temperature probe. Multifunction digital input configurable by user. Configuration dip switch.

Modbus protocol for installation in BMS (e.g. Idrorelax system by Climaveneta). Installation and management of Master-Slave system up to 8 LIFE fan coil units.

Easy control installation thanks to 2 wires connection.

iK control with LCD screen

Interface with LCD screen with user-friendly icons. Control kit for universal installation: wall-mounted as well as plug-in. Selection of functioning mode (OFF/summer/winter/AUTO), fan speed (Max/Med/Min/AUTO), temperature set. Control iK could function manually or with weekly timer regulation configurable by the customer.

Control of main coil valve unit (summer/winter - 2 pipes) and additional coil (winter - 4 pipes). Management of traditional ON/OFF valve unit or modulating valve unit 0-10V or 3 points (supply 230 VAC or 24V) .

Parameters configurable directly by user. Modbus protocol for installation in Building Management System (e.g. Idrorelax system by Climaveneta). Installation and management of Master-Slave system up to 8 LIFE2 fan coil units.

Easy control installation thanks to 2 wires connection through HB power board

Remote control

Set-point regulation. Selection of functioning mode (cool, heat, dehumidify, fan), fan speed (Max, Med, Min, AUTO). User-friendly compact remote control with fine aesthetics.



i-CHD			0706	1108	2209
ELECTRICAL DATA					
Power supply	V/ph/Hz		230/1/50	230/1/50	230/1/50
Max absorbed power	W		40	88	200
2 PIPES SYSTEM CONFIGURATION					
MAX SPEED					
Air flow	m ³ /h		810	1300	2100
Total capacity in cooling mode	(1) kW		4,56	6,97	10,9
Sensible capacity in cooling mode	(1) kW		3,20	5,01	7,87
Max water flow	(1) m ³ /h		0,79	1,20	1,88
Max pressure drop	(1) kPa		36,4	31,5	44,3
Total capacity (heating mode)	(2) kW		5,42	8,23	13,0
Water flow in heating mode	(2) m ³ /h		0,78	1,21	1,88
Pressure drop in heating mode	(2) kPa		34,1	27,5	41,5
Noise Pressure	(3) dB(A)		49	56	56
Noise Power	(4) dB(A)		60	67	67
MED SPEED					
Air flow	m ³ /h		520	820	1380
Total capacity in cooling mode	(1) kW		3,10	4,82	7,69
Sensible capacity in cooling mode	(1) kW		2,20	3,43	5,52
Max water flow	(1) m ³ /h		0,53	0,83	1,32
Max pressure drop	(1) kPa		17,8	16,2	23,0
Total capacity (heating mode)	(2) kW		3,72	5,61	9,08
Water flow in heating mode	(2) m ³ /h		0,53	0,83	1,33
Pressure drop in heating mode	(2) kPa		11,8	13,1	21,0
Noise Pressure	(3) dB(A)		38	42	44
Noise Power	(4) dB(A)		49	53	55
MIN SPEED					
Air flow	m ³ /h		200	360	820
Total capacity in cooling mode	(1) kW		1,47	2,44	5,04
Sensible capacity in cooling mode	(1) kW		1,01	1,71	3,58
Max water flow	(1) m ³ /h		0,25	0,42	0,87
Max pressure drop	(1) kPa		4,5	4,7	10,4
Total capacity (heating mode)	(2) kW		1,63	2,78	5,86
Water flow in heating mode	(2) m ³ /h		0,25	0,42	0,87
Pressure drop in heating mode	(2) kPa		1,6	3,3	9,0
Noise Pressure	(3) dB(A)		29	32	34
Noise Power	(4) dB(A)		40	43	45
SIZE AND WEIGHT					
A	(5) mm		575	730	830
B	(5) mm		575	730	830
H	(5) mm		290	290	290
Operating weight	(5) kg		30	36	50

Notes:

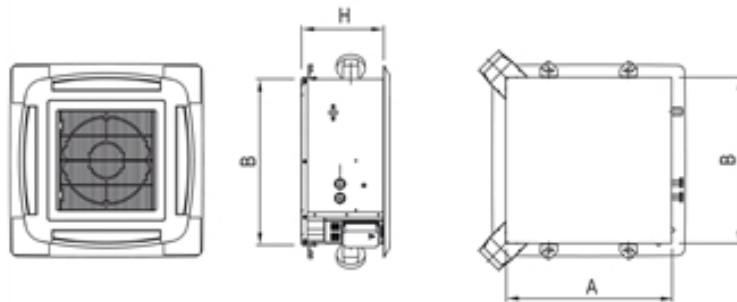
1 Room temperature 27 °C d.b./19°C w.b., Chilled water (in/out) 7/12 °C.

2 Room temperature 20 °C d.b., hot water (in/out) 50/* °C (identical flow rate note 1).

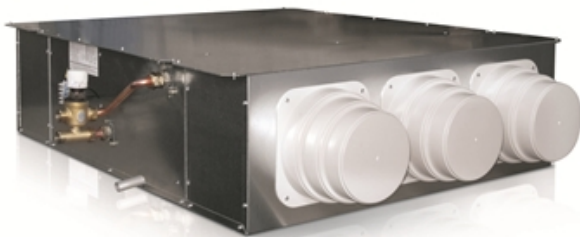
3 Sound pressure level in free field on a reflective surface, 1 m from fan front and 1 m from the ground. Non-binding value obtained from sound power level.

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.



Hydronic terminals

a-HWD2 102 - 902

High head ducted type terminal 6,88-24,0 kW

a-HWD2 are the new Climaveneta ducted high head hydronic terminals. The possibility of vertical and / or horizontal installation, compactness and the wide range of accessories or ductwork panels, make these units very flexible in installation and adaptable to any system type. The internal insulation of a-HWD2 units ensures operation with excellent acoustic comfort.

P.S. The picture is referred to the unit with mounted valves and plenum with spigots.

Version

DFIO	built-in version, front air intake, horizontal installation
DFIV	built-in version, front air intake, vertical installation
DLIO	built-in version, low air intake, horizontal installation
DLIV	built-in version, low air intake, vertical installation.

Features

Ducted Terminal unit for horizontal and vertical installation. Bearing structure made of thick galvanized steel sheet, resistant to rust, corrosion, chemical agents. Self-supporting and removable panels provided with holes for ceiling and wall mounting, directly from the main casing. Pre-cuts slots and prearranged holes to configure the unit upon request, to install the accessories, and to reverse the units even on - site. Discharge Flange on units.

EU2 efficiency flat air filters, which may be easily removed from any side of the unit (bottom, side, top) for periodic cleaning. EU3 undulated air filter section, and EU5 with pocket air filter section.

Configurations for 2 and 4 pipe Systems.

Highly efficient coil made of cooper pipes and aluminium fins. Standard connections on the right side; on request connections on the left side. Possibility to reverse the connections on-site. Coils tested at 30 Bar pressure, suitable to work with water at max. 15 Bar pressure. Incorporated additional coil, or additional coil section for 4 pipe systems.

Incorporated electrical heater, or electrical heater sections

Fan deck including 1, 2 or 3 centrifugal fans with double air inlet plastic blades directly coupled to the electric motor. Extensive diameter of fans for higher air flow and static pressure, with low RPM for better acoustic comfort.

Auxiliary drain pan with thermal insulation for all Horizontal versions, made of galvanized steel.

Plastic drain pan for all Vertical versions.

Terminal board IP20 "Mammoth Type" installed outside the unit. Upon request possible to supply the Terminal Board inside IP55 electrical box.

Accessory

- Hot water coil kit
- Heating element module
- Main and additional coil valve unit ON/OFF, PWM, 0-10 V, 3 points 2-way or 3-way
- Ductable air filter section, flat, undulated, or with pocket bags
- Plenum kit with round, straight or 90° air ducts.
- Section with Air Louver, manual and motorized
- External/Internal mixing section
- Noise level attenuator section for both air intake and supply outlets
- Section for humidifier
- Condensate drain pump
- Anti-vibration junction
- Mammoth Type terminal board kit, with IP55 electrical box
- Interface SPB Kit

Controls

ATW wall mounted

Mode button (OFF/summer/winter/AUTO), fan speed button (Max/Med/Min/AUTO). Thermostat with set point regulation. ON/OFF valve unit control (summer/winter for 2 and 4 pipes installation). Control of traditional or PWM modulating valve units. Room temperature probe and water temperature probe. Digital input configurable as: window contact, economy, heating or cooling remote changeover, periodic ventilation. Configuration dip switch. TTL serial port with Modbus protocol for installation in BMS.

MTW wall mounted

Fan speed slider, mode slider (OFF/summer/winter). Thermostat with set point regulation. ON/OFF valve unit control (summer/winter for 2 pipes installation), ON/OFF second valve unit control (winter for 4 pipes installation). Room temperature probe. Remote water temperature probe.

PSW wall mounted

Fan speed slider, mode slider (OFF/summer/winter). ON/OFF valve unit control (summer/winter for 2 pipes installation), ON/OFF second valve unit control (winter for 4 pipes installation). Remote water temperature probe.



a-HWD2 / DLIV-DFIV			102	202	302	402	502	602	702	802	902
ELECTRICAL DATA											
Power supply	V/ph/Hz		230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
Max absorbed power	W		270	270	270	570	570	570	840	840	840
2 PIPES SYSTEM CONFIGURATION											
NOMINAL SPEED (ESP = 0)											
Air flow	m ³ /h		1450	1420	1400	2700	2650	2600	4150	4070	4000
Total capacity in cooling mode	(1) kW		6,88	7,31	9,22	11,6	12,4	16,4	17,0	20,0	24,0
Sensible capacity in cooling mode	(1) kW		6,09	6,46	6,80	10,4	11,1	12,0	14,1	16,1	18,1
Total capacity (heating mode)	(2) kW		8,61	9,13	10,8	14,5	15,5	19,5	22,6	26,6	30,0
MAX SPEED											
ESP External Static Pressure	Pa		66	59	59	76	64	61	63	56	56
Air flow	m ³ /h		1190	1260	1240	2000	2200	2180	3690	3660	3640
Total capacity in cooling mode	(1) kW		6,00	6,70	8,45	9,36	10,8	14,4	15,4	18,2	21,9
Sensible capacity in cooling mode	(1) kW		5,09	5,87	6,17	8,12	9,53	10,4	12,6	14,5	16,4
Max water flow	(1) m ³ /h		1,03	1,15	1,45	1,61	1,86	2,48	2,65	3,14	3,77
Max pressure drop	(1) kPa		29,1	32,9	33,9	20,1	25,1	27,8	32,2	33,2	35,2
Total capacity (heating mode)	(2) kW		7,43	8,36	9,81	11,6	13,5	17,0	20,4	24,2	27,3
Water flow in heating mode	(2) m ³ /h		1,03	1,15	1,46	1,61	1,86	2,50	2,64	3,14	3,76
Pressure drop in heating mode	(2) kPa		29,2	32,7	34,1	20,1	25,0	28,2	32,1	33,1	35,0
Sound Pressure on inlet side Lp (IR)	(3) dB(A)		50	51	52	53	54	55	54	54	55
Sound Power on inlet side Lw (IR)	(4) dB(A)		61	62	63	64	65	66	65	65	66
Sound Pressure on outlet side Lp (OD)	(3) dB(A)		49	50	50	49	50	51	51	51	52
Sound Power on outlet side Lw (OD)	(4) dB(A)		60	61	61	60	61	62	62	62	63
MED SPEED											
ESP External Static Pressure	Pa		50	50	50	50	50	50	50	50	50
Air flow	m ³ /h		1040	1160	1145	1620	1980	1960	3220	3380	3330
Total capacity in cooling mode	(1) kW		5,66	6,35	7,96	8,17	10,0	13,4	14,2	17,5	21,0
Sensible capacity in cooling mode	(1) kW		4,74	5,38	5,78	6,94	8,69	9,57	11,5	13,9	15,6
Max water flow	(1) m ³ /h		0,97	1,09	1,37	1,41	1,73	2,30	2,44	3,01	3,61
Max pressure drop	(1) kPa		25,9	29,5	30,1	15,2	21,5	24,0	27,2	30,5	32,2
Total capacity (heating mode)	(2) kW		6,95	7,87	9,22	10,0	12,4	15,8	18,5	23,0	26,0
Water flow in heating mode	(2) m ³ /h		0,97	1,10	1,37	1,40	1,73	2,31	2,46	2,98	3,62
Pressure drop in heating mode	(2) kPa		25,5	29,7	30,1	15,0	21,6	24,1	27,7	29,9	32,4
Sound Pressure on inlet side Lp (IR)	(3) dB(A)		47	49	50	49	51	52	51	53	54
Sound Power on inlet side Lw (IR)	(4) dB(A)		58	60	61	60	62	63	62	64	65
Sound Pressure on outlet side Lp (OD)	(3) dB(A)		46	47	48	46	47	48	48	50	51
Sound Power on outlet side Lw (OD)	(4) dB(A)		57	58	59	57	58	59	59	61	62
MIN SPEED											
ESP External Static Pressure	Pa		24	26	29	18	20	21	27	35	36
Air flow	m ³ /h		720	840	835	960	1280	1270	2400	2830	2800
Total capacity in cooling mode	(1) kW		4,36	5,25	6,54	5,52	7,34	9,82	11,4	15,3	18,6
Sensible capacity in cooling mode	(1) kW		3,57	4,35	4,65	4,49	6,11	6,83	9,05	12,0	13,6
Max water flow	(1) m ³ /h		0,75	0,90	1,13	0,95	1,26	1,69	1,96	2,64	3,19
Max pressure drop	(1) kPa		15,3	20,1	20,2	6,9	11,4	12,8	17,6	23,3	25,2
Total capacity (heating mode)	(2) kW		5,27	6,39	7,44	6,67	8,94	11,3	14,6	19,9	22,6
Water flow in heating mode	(2) m ³ /h		0,75	0,90	1,12	0,95	1,26	1,70	1,94	2,64	3,19
Pressure drop in heating mode	(2) kPa		15,4	20,0	20,0	7,0	11,4	13,0	17,2	23,3	25,1
Sound Pressure on inlet side Lp (IR)	(3) dB(A)		37	42	44	38	43	45	39	47	48
Sound Power on inlet side Lw (IR)	(4) dB(A)		48	53	55	49	54	56	50	58	59
Sound Pressure on outlet side Lp (OD)	(3) dB(A)		36	40	41	33	37	41	35	43	44
Sound Power on outlet side Lw (OD)	(4) dB(A)		47	51	52	44	48	52	46	54	55
SIZE AND WEIGHT											
A	(5) mm		880	880	880	1280	1280	1280	1680	1680	1680
B	(5) mm		630	630	630	630	630	630	630	630	630
H	(5) mm		275	275	275	275	275	275	275	275	275
Operating weight	(5) kg		37	38	40	52	54	57	68	70	73

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) 50/* °C (with identical flow note1).

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.

a-HWD2 / DLIO-DFIO			102	202	302	402	502	602	702	802	902
ELECTRICAL DATA											
Power supply	V/ph/Hz		230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
Max absorbed power	W		270	270	270	570	570	570	840	840	840
2 PIPES SYSTEM CONFIGURATION											
NOMINAL SPEED (ESP = 0)											
Air flow	m ³ /h		1450	1420	1400	2700	2650	2600	4150	4070	4000
Total capacity in cooling mode	(1) kW		6,88	7,31	9,22	11,6	12,4	16,4	17,0	20,0	24,0
Sensible capacity in cooling mode	(1) kW		6,09	6,46	6,80	10,4	11,1	12,0	14,1	16,1	18,1
Total capacity (heating mode)	(2) kW		8,61	9,13	10,8	14,5	15,5	19,5	22,6	26,6	30,0
MAX SPEED											
ESP External Static Pressure	Pa		66	59	59	76	64	61	63	56	56
Air flow	m ³ /h		1190	1260	1240	2000	2200	2180	3690	3660	3640
Total capacity in cooling mode	(1) kW		6,00	6,70	8,45	9,36	10,8	14,4	15,4	18,2	21,9
Sensible capacity in cooling mode	(1) kW		5,09	5,87	6,17	8,12	9,53	10,4	12,6	14,5	16,4
Max water flow	(1) m ³ /h		1,03	1,15	1,45	1,61	1,86	2,48	2,65	3,14	3,77
Mad pressure drop	(1) kPa		29,1	32,9	33,9	20,1	25,1	27,8	32,2	33,2	35,2
Total capacity (heating mode)	(2) kW		7,43	8,36	9,81	11,6	13,5	17,0	20,4	24,2	27,3
Water flow in heating mode	(2) m ³ /h		1,03	1,15	1,46	1,61	1,86	2,50	2,64	3,14	3,76
Pressure drop in heating mode	(2) kPa		29,2	32,7	34,1	20,1	25,0	28,2	32,1	33,1	35,0
Sound Pressure on inlet side Lp (IR)	(3) dB(A)		50	51	52	53	54	55	54	54	55
Sound Power on inlet side Lw (IR)	(4) dB(A)		61	62	63	64	65	66	65	65	66
Sound Pressure on outlet side Lp (OD)	(3) dB(A)		49	50	50	49	50	51	51	51	52
Sound Power on outlet side Lw (OD)	(4) dB(A)		60	61	61	60	61	62	62	62	63
MED SPEED											
ESP External Static Pressure	Pa		50	50	50	50	50	50	50	50	50
Air flow	m ³ /h		1040	1160	1145	1620	1980	1960	3220	3380	3330
Total capacity in cooling mode	(1) kW		5,66	6,35	7,96	8,17	10,0	13,4	14,2	17,5	21,0
Sensible capacity in cooling mode	(1) kW		4,74	5,38	5,78	6,94	8,69	9,57	11,5	13,9	15,6
Max water flow	(1) m ³ /h		0,97	1,09	1,37	1,41	1,73	2,30	2,44	3,01	3,61
Mad pressure drop	(1) kPa		25,9	29,5	30,1	15,2	21,5	24,0	27,2	30,5	32,2
Total capacity (heating mode)	(2) kW		6,95	7,87	9,22	10,0	12,4	15,8	18,5	23,0	26,0
Water flow in heating mode	(2) m ³ /h		0,97	1,10	1,37	1,40	1,73	2,31	2,46	2,98	3,62
Pressure drop in heating mode	(2) kPa		25,5	29,7	30,1	15,0	21,6	24,1	27,7	29,9	32,4
Sound Pressure on inlet side Lp (IR)	(3) dB(A)		47	49	50	49	51	52	51	53	54
Sound Power on inlet side Lw (IR)	(4) dB(A)		58	60	61	60	62	63	62	64	65
Sound Pressure on outlet side Lp (OD)	(3) dB(A)		46	47	48	46	47	48	48	50	51
Sound Power on outlet side Lw (OD)	(4) dB(A)		57	58	59	57	58	59	59	61	62
MIN SPEED											
ESP External Static Pressure	Pa		24	26	29	18	20	21	27	35	36
Air flow	m ³ /h		720	840	835	960	1280	1270	2400	2830	2800
Total capacity in cooling mode	(1) kW		4,36	5,25	6,54	5,52	7,34	9,82	11,4	15,3	18,6
Sensible capacity in cooling mode	(1) kW		3,57	4,35	4,65	4,49	6,11	6,83	9,05	12,0	13,6
Max water flow	(1) m ³ /h		0,75	0,90	1,13	0,95	1,26	1,69	1,96	2,64	3,19
Mad pressure drop	(1) kPa		15,3	20,1	20,2	6,9	11,4	12,8	17,6	23,3	25,2
Total capacity (heating mode)	(2) kW		5,27	6,39	7,44	6,67	8,94	11,3	14,6	19,9	22,6
Water flow in heating mode	(2) m ³ /h		0,75	0,90	1,12	0,95	1,26	1,70	1,94	2,64	3,19
Pressure drop in heating mode	(2) kPa		15,4	20,0	20,0	7,0	11,4	13,0	17,2	23,3	25,1
Sound Pressure on inlet side Lp (IR)	(3) dB(A)		37	42	44	38	43	45	39	47	48
Sound Power on inlet side Lw (IR)	(4) dB(A)		48	53	55	49	54	56	50	58	59
Sound Pressure on outlet side Lp (OD)	(3) dB(A)		36	40	41	33	37	41	35	43	44
Sound Power on outlet side Lw (OD)	(4) dB(A)		47	51	52	44	48	52	46	54	55
SIZE AND WEIGHT											
A	(5) mm		880	880	880	1280	1280	1280	1680	1680	1680
B	(5) mm		605	605	605	605	605	605	605	605	605
H	(5) mm		275	275	275	275	275	275	275	275	275
Operating weight	(5) kg		37	38	40	52	54	57	68	70	73

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) 50/* °C (with identical flow note1).

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.

a-HWD2 / DLIV-DFIV			104	204	404	504	704	804
ELECTRICAL DATA								
Power supply	V/ph/Hz		230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
Max absorbed power	W		270	270	570	570	840	840
4 PIPES SYSTEM CONFIGURATION								
NOMINAL SPEED (ESP = 0)								
Air flow	m³/h		1410	1380	2620	2570	4030	3950
Total capacity in cooling mode	(1) kW		6,74	7,15	11,4	12,1	16,6	19,6
Sensible capacity in cooling mode	(1) kW		5,94	6,31	10,2	10,8	13,8	15,7
Total capacity (heating mode)	(2) kW		6,87	6,87	12,0	11,6	17,9	17,7
MAX SPEED								
ESP External Static Pressure	Pa		66	59	76	64	63	56
Air flow	m³/h		1150	1220	1940	2130	3620	3610
Total capacity in cooling mode	(1) kW		5,87	6,56	9,15	10,6	15,2	18,1
Sensible capacity in cooling mode	(1) kW		4,96	5,73	7,92	9,30	12,5	14,4
Max water flow	(1) m³/h		1,01	1,13	1,58	1,82	2,61	3,11
Max pressure drop	(1) kPa		27,8	31,5	19,2	24,0	31,3	32,5
Total capacity (heating mode)	(2) kW		5,89	6,40	9,53	10,6	16,3	16,3
Water flow in heating mode	(2) m³/h		0,52	0,56	0,84	0,93	1,42	1,42
Pressure drop in heating mode	(2) kPa		13,5	15,8	15,6	19,0	42,9	42,9
Sound Pressure on inlet side Lp (IR)	(3) dB(A)		50	51	53	54	54	54
Sound Power on inlet side Lw (IR)	(4) dB(A)		61	62	64	65	65	65
Sound Pressure on outlet side Lp (OD)	(3) dB(A)		49	50	49	50	51	0
Sound Power on outlet side Lw (OD)	(4) dB(A)		60	61	60	61	62	0
MED SPEED								
ESP External Static Pressure	Pa		50	50	50	50	50	50
Air flow	m³/h		1010	1130	1570	1920	3130	3280
Total capacity in cooling mode	(1) kW		5,53	6,21	7,99	9,80	13,8	17,1
Sensible capacity in cooling mode	(1) kW		4,63	5,25	6,77	8,48	11,3	13,5
Max water flow	(1) m³/h		0,95	1,07	1,38	1,69	2,38	2,95
Max pressure drop	(1) kPa		24,7	28,2	14,6	20,6	26,0	29,2
Total capacity (heating mode)	(2) kW		5,31	6,00	8,13	9,64	14,8	15,4
Water flow in heating mode	(2) m³/h		0,47	0,53	0,71	0,85	1,29	1,35
Pressure drop in heating mode	(2) kPa		11,1	14,0	11,5	15,9	35,9	38,6
Sound Pressure on inlet side Lp (IR)	(3) dB(A)		47	49	49	51	51	53
Sound Power on inlet side Lw (IR)	(4) dB(A)		58	60	60	62	62	64
Sound Pressure on outlet side Lp (OD)	(3) dB(A)		46	47	46	47	48	0
Sound Power on outlet side Lw (OD)	(4) dB(A)		57	58	57	58	59	0
MIN SPEED								
ESP External Static Pressure	Pa		24	26	18	20	27	35
Air flow	m³/h		700	810	930	1240	2330	2750
Total capacity in cooling mode	(1) kW		4,27	5,13	5,40	7,18	11,1	15,0
Sensible capacity in cooling mode	(1) kW		3,48	4,25	4,38	5,96	8,83	11,7
Max water flow	(1) m³/h		0,74	0,88	0,93	1,24	1,92	2,58
Max pressure drop	(1) kPa		14,6	19,2	6,6	10,9	16,8	22,3
Total capacity (heating mode)	(2) kW		4,05	4,71	5,48	6,85	11,8	13,4
Water flow in heating mode	(2) m³/h		0,36	0,41	0,48	0,60	1,03	1,17
Pressure drop in heating mode	(2) kPa		6,7	8,9	5,4	8,3	23,5	29,8
Sound Pressure on inlet side Lp (IR)	(3) dB(A)		37	42	38	43	39	47
Sound Power on inlet side Lw (IR)	(4) dB(A)		48	53	49	54	50	58
Sound Pressure on outlet side Lp (OD)	(3) dB(A)		36	40	33	37	35	0
Sound Power on outlet side Lw (OD)	(4) dB(A)		47	51	44	48	46	0
SIZE AND WEIGHT								
A	(5) mm		880	880	1280	1280	1680	1680
B	(5) mm		630	630	630	630	630	630
H	(5) mm		275	275	275	275	275	275
Operating weight	(5) kg		39	40	55	57	72	74

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) 70/60 °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.

a-HWD2 / DLIO-DFIO			104	204	404	504	704	804
ELECTRICAL DATA								
Power supply	V/ph/Hz		230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
Max absorbed power	W		270	270	570	570	840	840
4 PIPES SYSTEM CONFIGURATION								
NOMINAL SPEED (ESP = 0)								
Air flow	m³/h		1410	1380	2620	2570	4030	3950
Total capacity in cooling mode	(1) kW		6,74	7,15	11,4	12,1	16,6	19,6
Sensible capacity in cooling mode	(1) kW		5,94	6,31	10,2	10,8	13,8	15,7
Total capacity (heating mode)	(2) kW		6,87	6,87	12,0	11,6	17,9	17,7
MAX SPEED								
ESP External Static Pressure	Pa		66	59	76	64	63	56
Air flow	m³/h		1150	1220	1940	2130	3620	3610
Total capacity in cooling mode	(1) kW		5,87	6,56	9,15	10,6	15,2	18,1
Sensible capacity in cooling mode	(1) kW		4,96	5,73	7,92	9,30	12,5	14,4
Max water flow	(1) m³/h		1,01	1,13	1,58	1,82	2,61	3,11
Max pressure drop	(1) kPa		27,8	31,5	19,2	24,0	31,3	32,5
Total capacity (heating mode)	(2) kW		5,89	6,40	9,53	10,6	16,3	16,3
Water flow in heating mode	(2) m³/h		0,52	0,56	0,84	0,93	1,42	1,42
Pressure drop in heating mode	(2) kPa		13,5	15,8	15,6	19,0	42,9	42,9
Sound Pressure on inlet side Lp (IR)	(3) dB(A)		50	51	53	54	54	54
Sound Power on inlet side Lw (IR)	(4) dB(A)		61	62	64	65	65	65
Sound Pressure on outlet side Lp (OD)	(3) dB(A)		49	50	49	50	51	0
Sound Power on outlet side Lw (OD)	(4) dB(A)		60	61	60	61	62	0
MED SPEED								
ESP External Static Pressure	Pa		50	50	50	50	50	50
Air flow	m³/h		1010	1130	1570	1920	3130	3280
Total capacity in cooling mode	(1) kW		5,53	6,21	7,99	9,80	13,8	17,1
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Total capacity (heating mode)	(2) kW		5,31	6,00	8,13	9,64	14,8	15,4
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Sound Power on outlet side Lw (OD)	(4) dB(A)		47	51	44	48	46	0
SIZE AND WEIGHT								
A	(5) mm		880	880	1280	1280	1680	1680
B	(5) mm		605	605	605	605	605	605
H	(5) mm		275	275	275	275	275	275
Operating weight	(5) kg		39	40	55	57	72	74

Notes:

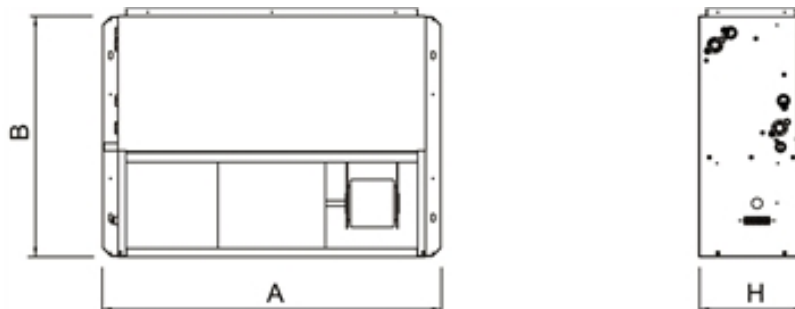
1 Room temperature 27 °C d.b./19°C w.b., Chilled water (in/out) 7/12 °C.

2 Room temperature 20 °C d.b., hot water (in/out) 70/60 °C.

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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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