

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

In combination with (i)HB powerboard on board of the units, it's possible to have Set-point regulation, selection of functioning mode (cool, heat, dehumidify, fan), and fan speed (Max, Med, Min, AUTO). User-friendly compact remote control with fine aesthetics.

a-LIFE2 HP DFIV/DLIV			0302	0402	0502	0602	0702
ELECTRICAL DATA							
Power supply		V/ph/Hz	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
2 PIPES SYSTEM CONFIGURATION							
ENERGY EFFICIENCY							
COOLING (EN14511 VALUE)							
FCEER	(1)(6)	kW/kW	37	40	58	58	43
FCEER Class			F	E	D	D	E
HEATING ONLY (EN14511 VALUE)							
FCCOP	(2)(6)	kW/kW	41	45	65	66	49
FCCOP Class			F	F	E	E	F
PERFORMANCE							
MIN SPEED							
Fan Power Input	(1)	W	52,0	52,0	38,0	45,0	67,0
Air flow rate	(1)	m ³ /h	392	435	464	516	584
Total capacity in cooling mode	(1)	kW	2,08	2,21	2,28	2,92	3,22
Total Net Cooling Capacity	(1)(6)(7)	kW	2,03	2,16	2,24	2,88	3,15
Sensible capacity in cooling mode	(1)	kW	1,69	1,82	1,71	2,16	2,49
Net sensible cooling capacity	(1)(6)(7)	kW	1,64	1,77	1,67	2,11	2,42
Net latent power in cooling	(1)(6)(7)	kW	0,39	0,39	0,57	0,76	0,73
Max water flow	(1)	l/s	0,10	0,11	0,11	0,14	0,15
Pressure Drop in cooling mode	(1)	kPa	16	14	4	11	9
Total capacity (heating mode)	(2)	kW	2,33	2,48	2,55	3,27	3,61
Total Net Heating Capacity	(2)(6)	kW	2,38	2,53	2,59	3,32	3,68
Water flow in heating mode	(2)	l/s	0,11	0,12	0,12	0,16	0,17
Pressure drop in heating mode	(2)	kPa	18	19	5	12	11
Sound Pressure	(3)	dB(A)	42	45	34	41	38
Sound Power	(4)(7)	dB(A)	51	54	43	50	47
MED SPEED							
Fan Power Input	(1)	W	71,0	71,0	53,0	63,0	96,0
Air flow rate	(1)	m ³ /h	500	555	525	583	767
Total capacity in cooling mode	(1)	kW	2,31	2,70	3,04	3,23	3,57
Total Net Cooling Capacity	(1)(6)(7)	kW	2,24	2,63	2,99	3,17	3,48
Sensible capacity in cooling mode	(1)	kW	1,90	2,24	2,31	2,42	2,84
Net sensible cooling capacity	(1)(6)(7)	kW	1,83	2,17	2,25	2,36	2,74
Net latent power in cooling	(1)(6)(7)	kW	0,41	0,46	0,73	0,81	0,73
Max water flow	(1)	l/s	0,11	0,13	0,15	0,15	0,17
Pressure Drop in cooling mode	(1)	kPa	20	22	8	13	12
Total capacity (heating mode)	(2)	kW	2,59	3,03	3,40	3,62	4,00
Total Net Heating Capacity	(2)(6)	kW	2,66	3,10	3,46	3,68	4,10
Water flow in heating mode	(2)	l/s	0,13	0,15	0,16	0,17	0,19
Pressure drop in heating mode	(2)	kPa	22	28	9	15	13
Sound Pressure	(3)	dB(A)	45	52	41	44	41
Sound Power	(4)(7)	dB(A)	54	61	50	53	50
MAX SPEED							
Fan Power Input	(1)	W	95,0	95,0	75,0	89,0	132
Air flow rate	(1)	m ³ /h	561	623	705	783	1004
Total capacity in cooling mode	(1)	kW	2,88	3,28	3,74	4,14	4,62
Total Net Cooling Capacity	(1)(6)(7)	kW	2,79	3,19	3,67	4,05	4,49
Sensible capacity in cooling mode	(1)	kW	2,39	2,77	2,93	3,21	3,91
Net sensible cooling capacity	(1)(6)(7)	kW	2,30	2,67	2,85	3,12	3,78
Net latent power in cooling	(1)(6)(7)	kW	0,49	0,51	0,81	0,93	0,71
Max water flow	(1)	l/s	0,14	0,16	0,18	0,20	0,22
Pressure Drop in cooling mode	(1)	kPa	32	32	12	22	19
Total capacity (heating mode)	(2)	kW	3,23	3,67	4,19	4,64	5,18
Total Net Heating Capacity	(2)(6)	kW	3,33	3,77	4,27	4,73	5,31
Water flow in heating mode	(2)	l/s	0,16	0,18	0,20	0,22	0,25
Pressure drop in heating mode	(2)	kPa	34	40	13	23	21
Sound Pressure	(3)	dB(A)	52	56	47	51	52
Sound Power	(4)(7)	dB(A)	61	65	56	60	61
SIZE AND WEIGHT							
A	(5)	mm	650	650	850	850	1050
B	(5)	mm	215	215	215	215	215
H	(5)	mm	450	450	450	450	450
Operating weight	(5)	kg	14	15	20	21	24

Notes:

- 1 Room temperature 27 °C d.b./19 °C w.b.; Chilled water (in/out) 7/12 °C.
- 2 Room temperature 20 °C d.b.; Hot water (in/out) 45/40 °C
- 3 Sound pressure level in free field on a reflective surface, 1 m from fan front and 1 m from the ground. Non-binding value obtained from sound power level.
- 4 Sound power on the basis of measurements made in compliance with ISO 3741 and Eurovent 8/2.
- 5 Unit in standard configuration/execution, without optional accessories.
- 6 Values in compliance with EN14511-3:2013.
- 7 Values in compliance with [REGULATION (EU) N. 2016/2281]

a-LIFE2 HP DFIV/DLIV			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
2 PIPES SYSTEM CONFIGURATION							
ENERGY EFFICIENCY							
COOLING (EN14511 VALUE)							
FCEER	(1)(6)	kW/kW	49	43	48	41	44
FCEER Class			E	E	E	E	E
HEATING ONLY (EN14511 VALUE)							
FCCOP	(2)(6)	kW/kW	55	48	53	46	50
FCCOP Class			E	F	E	F	E
PERFORMANCE							
MIN SPEED							
Fan Power Input	(1)	W	67,0	112	112	168	168
Air flow rate	(1)	m ³ /h	649	923	1026	1381	1534
Total capacity in cooling mode	(1)	kW	3,50	4,83	5,40	6,90	7,40
Total Net Cooling Capacity	(1)(6)(7)	kW	3,43	4,72	5,29	6,74	7,24
Sensible capacity in cooling mode	(1)	kW	2,78	3,88	4,42	5,83	6,25
Net sensible cooling capacity	(1)(6)(7)	kW	2,71	3,77	4,31	5,66	6,08
Net latent power in cooling	(1)(6)(7)	kW	0,72	0,95	0,98	1,07	1,15
Max water flow	(1)	l/s	0,17	0,23	0,26	0,33	0,35
Pressure Drop in cooling mode	(1)	kPa	13	20	24	10	29
Total capacity (heating mode)	(2)	kW	3,93	5,42	6,05	7,73	8,30
Total Net Heating Capacity	(2)(6)	kW	3,99	5,53	6,16	7,90	8,46
Water flow in heating mode	(2)	l/s	0,19	0,26	0,29	0,37	0,40
Pressure drop in heating mode	(2)	kPa	12	23	28	13	38
Sound Pressure	(3)	dB(A)	41	47	51	54	54
Sound Power	(4)(7)	dB(A)	50	56	60	63	63
MED SPEED							
Fan Power Input	(1)	W	96,0	135	135	179	179
Air flow rate	(1)	m ³ /h	852	1078	1198	1547	1719
Total capacity in cooling mode	(1)	kW	4,49	5,70	6,25	7,50	8,10
Total Net Cooling Capacity	(1)(6)(7)	kW	4,40	5,57	6,12	7,32	7,92
Sensible capacity in cooling mode	(1)	kW	3,74	4,67	5,15	6,46	7,03
Net sensible cooling capacity	(1)(6)(7)	kW	3,64	4,53	5,01	6,28	6,85
Net latent power in cooling	(1)(6)(7)	kW	0,75	1,03	1,10	1,04	1,07
Max water flow	(1)	l/s	0,21	0,27	0,30	0,36	0,39
Pressure Drop in cooling mode	(1)	kPa	21	28	33	12	35
Total capacity (heating mode)	(2)	kW	5,03	6,39	7,00	8,40	9,08
Total Net Heating Capacity	(2)(6)	kW	5,13	6,53	7,14	8,58	9,26
Water flow in heating mode	(2)	l/s	0,24	0,31	0,34	0,41	0,44
Pressure drop in heating mode	(2)	kPa	19	32	37	16	45
Sound Pressure	(3)	dB(A)	49	51	54	55	57
Sound Power	(4)(7)	dB(A)	58	60	63	64	66
MAX SPEED							
Fan Power Input	(1)	W	132	149	149	194	194
Air flow rate	(1)	m ³ /h	1116	1390	1544	1740	1933
Total capacity in cooling mode	(1)	kW	5,20	6,20	7,20	8,05	8,60
Total Net Cooling Capacity	(1)(6)(7)	kW	5,07	6,05	7,05	7,86	8,41
Sensible capacity in cooling mode	(1)	kW	4,44	5,14	5,91	6,99	7,32
Net sensible cooling capacity	(1)(6)(7)	kW	4,31	4,99	5,76	6,80	7,13
Net latent power in cooling	(1)(6)(7)	kW	0,76	1,06	1,29	1,06	1,28
Max water flow	(1)	l/s	0,25	0,30	0,34	0,38	0,41
Pressure Drop in cooling mode	(1)	kPa	29	34	43	14	40
Total capacity (heating mode)	(2)	kW	5,83	6,95	8,07	9,02	9,64
Total Net Heating Capacity	(2)(6)	kW	5,97	7,10	8,22	9,21	9,83
Water flow in heating mode	(2)	l/s	0,28	0,34	0,39	0,44	0,47
Pressure drop in heating mode	(2)	kPa	25	37	48	18	51
Sound Pressure	(3)	dB(A)	55	54	59	57	59
Sound Power	(4)(7)	dB(A)	64	63	68	66	68
SIZE AND WEIGHT							
A	(5)	mm	1050	1250	1250	1450	1450
B	(5)	mm	215	215	215	215	215
H	(5)	mm	450	450	450	450	450
Operating weight	(5)	kg	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) 45/40 °C
- 3 Sound pressure level in free field on a reflective surface, 1 m from fan front and 1 m from the ground. Non-binding value obtained from sound power level.
- 4 Sound power on the basis of measurements made in compliance with ISO 3741 and Eurovent 8/2.
- 5 Unit in standard configuration/execution, without optional accessories.
- 6 Values in compliance with EN14511-3:2013.
- 7 Values in compliance with [REGULATION (EU) N. 2016/2281]

Certified data in EUROVENT

a-LIFE2 HP DFIO/DLIO			0302	0402	0502	0602	0702
ELECTRICAL DATA							
Power supply		V/ph/Hz	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
2 PIPES SYSTEM CONFIGURATION							
ENERGY EFFICIENCY							
COOLING (EN14511 VALUE)							
FCEER	(1)(6)	kW/kW	37	40	58	58	43
FCEER Class			F	E	D	D	E
HEATING ONLY (EN14511 VALUE)							
FCCOP	(2)(6)	kW/kW	41	45	65	66	49
FCCOP Class			F	F	E	E	F
PERFORMANCE							
MIN SPEED							
Fan Power Input	(1)	W	52,0	52,0	38,0	45,0	67,0
Air flow rate	(1)	m ³ /h	392	435	464	516	584
Total capacity in cooling mode	(1)	kW	2,08	2,21	2,28	2,92	3,22
Total Net Cooling Capacity	(1)(6)(7)	kW	2,03	2,16	2,24	2,88	3,15
Sensible capacity in cooling mode	(1)	kW	1,69	1,82	1,71	2,16	2,49
Net sensible cooling capacity	(1)(6)(7)	kW	1,64	1,77	1,67	2,11	2,42
Net latent power in cooling	(1)(6)(7)	kW	0,39	0,39	0,57	0,76	0,73
Max water flow	(1)	l/s	0,10	0,11	0,11	0,14	0,15
Pressure Drop in cooling mode	(1)	kPa	16	14	4	11	9
Total capacity (heating mode)	(2)	kW	2,33	2,48	2,55	3,27	3,61
Total Net Heating Capacity	(2)(6)	kW	2,38	2,53	2,59	3,32	3,68
Water flow in heating mode	(2)	l/s	0,11	0,12	0,12	0,16	0,17
Pressure drop in heating mode	(2)	kPa	18	19	5	12	11
Sound Pressure	(3)	dB(A)	42	45	34	41	38
Sound Power	(4)(7)	dB(A)	51	54	43	50	47
MED SPEED							
Fan Power Input	(1)	W	71,0	71,0	53,0	63,0	96,0
Air flow rate	(1)	m ³ /h	500	555	525	583	767
Total capacity in cooling mode	(1)	kW	2,31	2,70	3,04	3,23	3,57
Total Net Cooling Capacity	(1)(6)(7)	kW	2,24	2,63	2,99	3,17	3,48
Sensible capacity in cooling mode	(1)	kW	1,90	2,24	2,31	2,42	2,84
Net sensible cooling capacity	(1)(6)(7)	kW	1,83	2,17	2,25	2,36	2,74
Net latent power in cooling	(1)(6)(7)	kW	0,41	0,46	0,73	0,81	0,73
Max water flow	(1)	l/s	0,11	0,13	0,15	0,15	0,17
Pressure Drop in cooling mode	(1)	kPa	20	22	8	13	12
Total capacity (heating mode)	(2)	kW	2,59	3,03	3,40	3,62	4,00
Total Net Heating Capacity	(2)(6)	kW	2,66	3,10	3,46	3,68	4,10
Water flow in heating mode	(2)	l/s	0,13	0,15	0,16	0,17	0,19
Pressure drop in heating mode	(2)	kPa	22	28	9	15	13
Sound Pressure	(3)	dB(A)	45	52	41	44	41
Sound Power	(4)(7)	dB(A)	54	61	50	53	50
MAX SPEED							
Fan Power Input	(1)	W	95,0	95,0	75,0	89,0	132
Air flow rate	(1)	m ³ /h	561	623	705	783	1004
Total capacity in cooling mode	(1)	kW	2,88	3,28	3,74	4,14	4,62
Total Net Cooling Capacity	(1)(6)(7)	kW	2,79	3,19	3,67	4,05	4,49
Sensible capacity in cooling mode	(1)	kW	2,39	2,77	2,93	3,21	3,91
Net sensible cooling capacity	(1)(6)(7)	kW	2,30	2,67	2,85	3,12	3,78
Net latent power in cooling	(1)(6)(7)	kW	0,49	0,51	0,81	0,93	0,71
Max water flow	(1)	l/s	0,14	0,16	0,18	0,20	0,22
Pressure Drop in cooling mode	(1)	kPa	32	32	12	22	19
Total capacity (heating mode)	(2)	kW	3,23	3,67	4,19	4,64	5,18
Total Net Heating Capacity	(2)(6)	kW	3,33	3,77	4,27	4,73	5,31
Water flow in heating mode	(2)	l/s	0,16	0,18	0,20	0,22	0,25
Pressure drop in heating mode	(2)	kPa	34	40	13	23	21
Sound Pressure	(3)	dB(A)	52	56	47	51	52
Sound Power	(4)(7)	dB(A)	61	65	56	60	61
SIZE AND WEIGHT							
A	(5)	mm	745	745	945	945	1145
B	(5)	mm	215	215	215	215	215
H	(5)	mm	450	450	450	450	450
Operating weight	(5)	kg	14	15	20	21	24

Notes:

- 1 Room temperature 27 °C d.b./19 °C w.b.; Chilled water (in/out) 7/12 °C.
- 2 Room temperature 20 °C d.b.; Hot water (in/out) 45/40 °C
- 3 Sound pressure level in free field on a reflective surface, 1 m from fan front and 1 m from the ground. Non-binding value obtained from sound power level.
- 4 Sound power on the basis of measurements made in compliance with ISO 3741 and Eurovent 8/2.
- 5 Unit in standard configuration/execution, without optional accessories.
- 6 Values in compliance with EN14511-3:2013.
- 7 Values in compliance with [REGULATION (EU) N. 2016/2281]

a-LIFE2 HP DFIO/DLIO			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
2 PIPES SYSTEM CONFIGURATION							
ENERGY EFFICIENCY							
COOLING (EN14511 VALUE)							
FCEER	(1)(6)	kW/kW	49	43	48	41	44
FCEER Class			E	E	E	E	E
HEATING ONLY (EN14511 VALUE)							
FCCOP	(2)(6)	kW/kW	55	48	53	46	50
FCCOP Class			E	F	E	F	E
PERFORMANCE							
MIN SPEED							
Fan Power Input	(1)	W	67,0	112	112	168	168
Air flow rate	(1)	m ³ /h	649	923	1026	1381	1534
Total capacity in cooling mode	(1)	kW	3,50	4,83	5,40	6,90	7,40
Total Net Cooling Capacity	(1)(6)(7)	kW	3,43	4,72	5,29	6,74	7,24
Sensible capacity in cooling mode	(1)	kW	2,78	3,88	4,42	5,83	6,25
Net sensible cooling capacity	(1)(6)(7)	kW	2,71	3,77	4,31	5,66	6,08
Net latent power in cooling	(1)(6)(7)	kW	0,72	0,95	0,98	1,07	1,15
Max water flow	(1)	l/s	0,17	0,23	0,26	0,33	0,35
Pressure Drop in cooling mode	(1)	kPa	13	20	24	10	29
Total capacity (heating mode)	(2)	kW	3,93	5,42	6,05	7,73	8,30
Total Net Heating Capacity	(2)(6)	kW	3,99	5,53	6,16	7,90	8,46
Water flow in heating mode	(2)	l/s	0,19	0,26	0,29	0,37	0,40
Pressure drop in heating mode	(2)	kPa	12	23	28	13	38
Sound Pressure	(3)	dB(A)	41	47	51	54	54
Sound Power	(4)(7)	dB(A)	50	56	60	63	63
MED SPEED							
Fan Power Input	(1)	W	96,0	135	135	179	179
Air flow rate	(1)	m ³ /h	852	1078	1198	1547	1719
Total capacity in cooling mode	(1)	kW	4,49	5,70	6,25	7,50	8,10
Total Net Cooling Capacity	(1)(6)(7)	kW	4,40	5,57	6,12	7,32	7,92
Sensible capacity in cooling mode	(1)	kW	3,74	4,67	5,15	6,46	7,03
Net sensible cooling capacity	(1)(6)(7)	kW	3,64	4,53	5,01	6,28	6,85
Net latent power in cooling	(1)(6)(7)	kW	0,75	1,03	1,10	1,04	1,07
Max water flow	(1)	l/s	0,21	0,27	0,30	0,36	0,39
Pressure Drop in cooling mode	(1)	kPa	21	28	33	12	35
Total capacity (heating mode)	(2)	kW	5,03	6,39	7,00	8,40	9,08
Total Net Heating Capacity	(2)(6)	kW	5,13	6,53	7,14	8,58	9,26
Water flow in heating mode	(2)	l/s	0,24	0,31	0,34	0,41	0,44
Pressure drop in heating mode	(2)	kPa	19	32	37	16	45
Sound Pressure	(3)	dB(A)	49	51	54	55	57
Sound Power	(4)(7)	dB(A)	58	60	63	64	66
MAX SPEED							
Fan Power Input	(1)	W	132	149	149	194	194
Air flow rate	(1)	m ³ /h	1116	1390	1544	1740	1933
Total capacity in cooling mode	(1)	kW	5,20	6,20	7,20	8,05	8,60
Total Net Cooling Capacity	(1)(6)(7)	kW	5,07	6,05	7,05	7,86	8,41
Sensible capacity in cooling mode	(1)	kW	4,44	5,14	5,91	6,99	7,32
Net sensible cooling capacity	(1)(6)(7)	kW	4,31	4,99	5,76	6,80	7,13
Net latent power in cooling	(1)(6)(7)	kW	0,76	1,06	1,29	1,06	1,28
Max water flow	(1)	l/s	0,25	0,30	0,34	0,38	0,41
Pressure Drop in cooling mode	(1)	kPa	29	34	43	14	40
Total capacity (heating mode)	(2)	kW	5,83	6,95	8,07	9,02	9,64
Total Net Heating Capacity	(2)(6)	kW	5,97	7,10	8,22	9,21	9,83
Water flow in heating mode	(2)	l/s	0,28	0,34	0,39	0,44	0,47
Pressure drop in heating mode	(2)	kPa	25	37	48	18	51
Sound Pressure	(3)	dB(A)	55	54	59	57	59
Sound Power	(4)(7)	dB(A)	64	63	68	66	68
SIZE AND WEIGHT							
A	(5)	mm	1145	1345	1345	1545	1545
B	(5)	mm	215	215	215	215	215
H	(5)	mm	450	450	450	450	450
Operating weight	(5)	kg	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) 45/40 °C
- 3 Sound pressure level in free field on a reflective surface, 1 m from fan front and 1 m from the ground. Non-binding value obtained from sound power level.
- 4 Sound power on the basis of measurements made in compliance with ISO 3741 and Eurovent 8/2.
- 5 Unit in standard configuration/execution, without optional accessories.
- 6 Values in compliance with EN14511-3:2013.
- 7 Values in compliance with [REGULATION (EU) N. 2016/2281]

Certified data in EUROVENT

a-LIFE2 HP DFIV/DLIV

0304

0404

0504

0604

0704

ELECTRICAL DATA

Power supply	V/ph/Hz	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
--------------	---------	----------	----------	----------	----------	----------

4 PIPES SYSTEM CONFIGURATION

ENERGY EFFICIENCY

COOLING (EN14511 VALUE)

FCEER	(1)(6)	kW/kW	37	40	58	69	43
FCEER Class			F	E	D	D	E

HEATING ONLY (EN14511 VALUE)

FCCOP	(2)(6)	kW/kW	27	29	46	55	31
FCCOP Class			G	G	F	E	G

PERFORMANCE

MIN SPEED

Fan Power Input	(1)	W	52,0	52,0	38,0	38,0	67,0
Air flow rate	(1)	m³/h	392	435	464	516	584
Total capacity in cooling mode	(1)	kW	2,08	2,21	2,28	2,92	3,22
Total Net Cooling Capacity	(1)(6)(7)	kW	2,03	2,16	2,24	2,88	3,15
Sensible capacity in cooling mode	(1)	kW	1,69	1,82	1,84	2,37	2,49
Net sensible cooling capacity	(1)(6)(7)	kW	1,64	1,77	1,80	2,33	2,42
Net latent power in cooling	(1)(6)(7)	kW	0,39	0,39	0,44	0,55	0,73
Max water flow	(1)	l/s	0,10	0,11	0,11	0,14	0,15
Pressure Drop in cooling mode	(1)	kPa	16	14	4	7	9
Total capacity (heating mode)	(2)	kW	1,50	1,59	1,78	2,28	2,30
Total Net Heating Capacity	(2)(6)	kW	1,55	1,64	1,82	2,32	2,37
Water flow in heating mode	(2)	l/s	0,04	0,04	0,04	0,06	0,06
Pressure drop in heating mode	(2)	kPa	6	7	8	13	4
Sound Pressure	(3)	dB(A)	42	45	34	41	38
Sound Power	(4)(7)	dB(A)	51	54	43	50	47

MED SPEED

Fan Power Input	(1)	W	71,0	71,0	53,0	53,0	96,0
Air flow rate	(1)	m³/h	500	555	525	583	767
Total capacity in cooling mode	(1)	kW	2,31	2,70	3,04	3,23	3,57
Total Net Cooling Capacity	(1)(6)(7)	kW	2,24	2,63	2,99	3,18	3,48
Sensible capacity in cooling mode	(1)	kW	1,90	2,24	2,48	2,66	2,84
Net sensible cooling capacity	(1)(6)(7)	kW	1,83	2,17	2,43	2,61	2,74
Net latent power in cooling	(1)(6)(7)	kW	0,41	0,46	0,56	0,57	0,73
Max water flow	(1)	l/s	0,11	0,13	0,15	0,15	0,17
Pressure Drop in cooling mode	(1)	kPa	20	22	8	9	12
Total capacity (heating mode)	(2)	kW	1,67	1,95	2,37	2,52	2,55
Total Net Heating Capacity	(2)(6)	kW	1,74	2,02	2,43	2,58	2,65
Water flow in heating mode	(2)	l/s	0,04	0,05	0,06	0,06	0,06
Pressure drop in heating mode	(2)	kPa	7	10	14	16	5
Sound Pressure	(3)	dB(A)	45	52	41	44	41
Sound Power	(4)(7)	dB(A)	54	61	50	53	50

MAX SPEED

Fan Power Input	(1)	W	95,0	95,0	75,0	75,0	132
Air flow rate	(1)	m³/h	561	623	705	783	1004
Total capacity in cooling mode	(1)	kW	2,88	3,28	3,74	4,14	4,62
Total Net Cooling Capacity	(1)(6)(7)	kW	2,79	3,19	3,67	4,07	4,49
Sensible capacity in cooling mode	(1)	kW	2,39	2,77	3,15	3,53	3,91
Net sensible cooling capacity	(1)(6)(7)	kW	2,30	2,67	3,08	3,45	3,78
Net latent power in cooling	(1)(6)(7)	kW	0,49	0,51	0,59	0,61	0,71
Max water flow	(1)	l/s	0,14	0,16	0,18	0,20	0,22
Pressure Drop in cooling mode	(1)	kPa	32	32	12	15	19
Total capacity (heating mode)	(2)	kW	2,08	2,36	2,92	3,24	3,30
Total Net Heating Capacity	(2)(6)	kW	2,17	2,46	3,00	3,31	3,43
Water flow in heating mode	(2)	l/s	0,05	0,06	0,07	0,08	0,08
Pressure drop in heating mode	(2)	kPa	11	14	21	25	9
Sound Pressure	(3)	dB(A)	52	56	47	51	52
Sound Power	(4)(7)	dB(A)	61	65	56	60	61

SIZE AND WEIGHT

A	(5)	mm	650	650	850	850	1050
B	(5)	mm	215	215	215	215	215
H	(5)	mm	450	450	450	450	450
Operating weight	(5)	kg	15	16	21	22	25

Notes:

1 Room temperature 27°C d.b./18,9°C w.b., Chilled water (in/out) 7°C/12°C.

2 Room temperature 20 °C d.b., hot water (in/out) 65/55 °C

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

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

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

6 Values in compliance with EN14511-3:2013.

7 Values in compliance with [REGULATION (EU) N. 2016/2281]

a-LIFE2 HP DFIV/DLIV			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
4 PIPES SYSTEM CONFIGURATION							
ENERGY EFFICIENCY							
COOLING (EN14511 VALUE)							
FCEER	(1)(6)	kW/kW	49	43	48	41	44
FCEER Class			E	E	E	E	E
HEATING ONLY (EN14511 VALUE)							
FCCOP	(2)(6)	kW/kW	35	30	34	29	32
FCCOP Class			G	G	G	G	G
PERFORMANCE							
MIN SPEED							
Fan Power Input	(1)	W	67,0	112	112	168	168
Air flow rate	(1)	m³/h	649	923	1026	1381	1534
Total capacity in cooling mode	(1)	kW	3,50	4,83	5,40	6,90	7,40
Total Net Cooling Capacity	(1)(6)(7)	kW	3,43	4,72	5,29	6,74	7,24
Sensible capacity in cooling mode	(1)	kW	2,78	3,88	4,42	5,83	6,25
Net sensible cooling capacity	(1)(6)(7)	kW	2,71	3,77	4,31	5,66	6,08
Net latent power in cooling	(1)(6)(7)	kW	0,72	0,95	0,98	1,07	1,15
Max water flow	(1)	l/s	0,17	0,23	0,26	0,33	0,35
Pressure Drop in cooling mode	(1)	kPa	13	21	24	10	29
Total capacity (heating mode)	(2)	kW	2,50	3,43	3,84	4,91	5,26
Total Net Heating Capacity	(2)(6)	kW	2,56	3,54	3,95	5,07	5,43
Water flow in heating mode	(2)	l/s	0,06	0,08	0,09	0,12	0,13
Pressure drop in heating mode	(2)	kPa	5	8	9	26	30
Sound Pressure	(3)	dB(A)	41	49	51	54	54
Sound Power	(4)(7)	dB(A)	50	58	60	63	63
MED SPEED							
Fan Power Input	(1)	W	96,0	135	135	179	179
Air flow rate	(1)	m³/h	852	1078	1198	1547	1719
Total capacity in cooling mode	(1)	kW	4,49	5,70	6,25	7,50	8,10
Total Net Cooling Capacity	(1)(6)(7)	kW	4,40	5,57	6,12	7,32	7,92
Sensible capacity in cooling mode	(1)	kW	3,74	4,67	5,15	6,46	7,03
Net sensible cooling capacity	(1)(6)(7)	kW	3,64	4,53	5,01	6,28	6,85
Net latent power in cooling	(1)(6)(7)	kW	0,75	1,03	1,10	1,04	1,07
Max water flow	(1)	l/s	0,21	0,27	0,30	0,36	0,39
Pressure Drop in cooling mode	(1)	kPa	21	29	33	12	35
Total capacity (heating mode)	(2)	kW	3,21	4,05	4,44	5,33	5,76
Total Net Heating Capacity	(2)(6)	kW	3,31	4,19	4,58	5,51	5,94
Water flow in heating mode	(2)	l/s	0,08	0,10	0,11	0,13	0,14
Pressure drop in heating mode	(2)	kPa	8	10	12	30	35
Sound Pressure	(3)	dB(A)	49	51	54	55	57
Sound Power	(4)(7)	dB(A)	58	60	63	64	66
MAX SPEED							
Fan Power Input	(1)	W	132	149	149	194	194
Air flow rate	(1)	m³/h	1116	1390	1544	1740	1933
Total capacity in cooling mode	(1)	kW	5,20	6,20	7,20	8,05	8,60
Total Net Cooling Capacity	(1)(6)(7)	kW	5,07	6,05	7,05	7,86	8,41
Sensible capacity in cooling mode	(1)	kW	4,44	5,14	5,91	6,99	7,32
Net sensible cooling capacity	(1)(6)(7)	kW	4,31	4,99	5,76	6,80	7,13
Net latent power in cooling	(1)(6)(7)	kW	0,76	1,06	1,29	1,06	1,28
Max water flow	(1)	l/s	0,25	0,30	0,34	0,38	0,41
Pressure Drop in cooling mode	(1)	kPa	29	34	43	14	40
Total capacity (heating mode)	(2)	kW	3,72	4,41	5,12	5,72	6,12
Total Net Heating Capacity	(2)(6)	kW	3,85	4,56	5,27	5,92	6,31
Water flow in heating mode	(2)	l/s	0,09	0,11	0,12	0,14	0,15
Pressure drop in heating mode	(2)	kPa	11	12	16	35	39
Sound Pressure	(3)	dB(A)	55	54	59	57	59
Sound Power	(4)(7)	dB(A)	64	63	68	66	68
SIZE AND WEIGHT							
A	(5)	mm	1050	1250	1250	1450	1450
B	(5)	mm	215	215	215	215	215
H	(5)	mm	450	450	450	450	450
Operating weight	(5)	kg	26	29	31	32	35

Notes:

1 Room temperature 27°C d.b./18,9°C w.b., Chilled water (in/out) 7°C/12°C.

2 Room temperature 20 °C d.b., hot water (in/out) 65/55 °C

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

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

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

6 Values in compliance with EN14511-3:2013.

7 Values in compliance with [REGULATION (EU) N. 2016/2281]

Certified data in EUROVENT

a-LIFE2 HP DFIO/DLIO			0304	0404	0504	0604	0704
ELECTRICAL DATA							
Power supply		V/ph/Hz	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
4 PIPES SYSTEM CONFIGURATION							
ENERGY EFFICIENCY							
COOLING (EN14511 VALUE)							
FCEER	(1)(6)	kW/kW	37	40	58	69	43
FCEER Class			F	E	D	D	E
HEATING ONLY (EN14511 VALUE)							
FCCOP	(2)(6)	kW/kW	27	29	46	55	31
FCCOP Class			G	G	F	E	G
PERFORMANCE							
MIN SPEED							
Fan Power Input	(1)	W	52,0	52,0	38,0	38,0	67,0
Air flow rate	(1)	m³/h	392	435	464	516	584
Total capacity in cooling mode	(1)	kW	2,08	2,21	2,28	2,92	3,22
Total Net Cooling Capacity	(1)(6)(7)	kW	2,03	2,16	2,24	2,88	3,15
Sensible capacity in cooling mode	(1)	kW	1,69	1,82	1,84	2,37	2,49
Net sensible cooling capacity	(1)(6)(7)	kW	1,64	1,77	1,80	2,33	2,42
Net latent power in cooling	(1)(6)(7)	kW	0,39	0,39	0,44	0,55	0,73
Max water flow	(1)	l/s	0,10	0,11	0,11	0,14	0,15
Pressure Drop in cooling mode	(1)	kPa	16	14	4	7	9
Total capacity (heating mode)	(2)	kW	1,50	1,59	1,78	2,28	2,30
Total Net Heating Capacity	(2)(6)	kW	1,55	1,64	1,82	2,32	2,37
Water flow in heating mode	(2)	l/s	0,04	0,04	0,04	0,06	0,06
Pressure drop in heating mode	(2)	kPa	6	7	8	13	4
Sound Pressure	(3)	dB(A)	42	45	34	41	38
Sound Power	(4)(7)	dB(A)	51	54	43	50	47
MED SPEED							
Fan Power Input	(1)	W	71,0	71,0	53,0	53,0	96,0
Air flow rate	(1)	m³/h	500	555	525	583	767
Total capacity in cooling mode	(1)	kW	2,31	2,70	3,04	3,23	3,57
Total Net Cooling Capacity	(1)(6)(7)	kW	2,24	2,63	2,99	3,18	3,48
Sensible capacity in cooling mode	(1)	kW	1,90	2,24	2,48	2,66	2,84
Net sensible cooling capacity	(1)(6)(7)	kW	1,83	2,17	2,43	2,61	2,74
Net latent power in cooling	(1)(6)(7)	kW	0,41	0,46	0,56	0,57	0,73
Max water flow	(1)	l/s	0,11	0,13	0,15	0,15	0,17
Pressure Drop in cooling mode	(1)	kPa	20	22	8	9	12
Total capacity (heating mode)	(2)	kW	1,67	1,95	2,37	2,52	2,55
Total Net Heating Capacity	(2)(6)	kW	1,74	2,02	2,43	2,58	2,65
Water flow in heating mode	(2)	l/s	0,04	0,05	0,06	0,06	0,06
Pressure drop in heating mode	(2)	kPa	7	10	14	16	5
Sound Pressure	(3)	dB(A)	45	52	41	44	41
Sound Power	(4)(7)	dB(A)	54	61	50	53	50
MAX SPEED							
Fan Power Input	(1)	W	95,0	95,0	75,0	75,0	132
Air flow rate	(1)	m³/h	561	623	705	783	1004
Total capacity in cooling mode	(1)	kW	2,88	3,28	3,74	4,14	4,62
Total Net Cooling Capacity	(1)(6)(7)	kW	2,79	3,19	3,67	4,07	4,49
Sensible capacity in cooling mode	(1)	kW	2,39	2,77	3,15	3,53	3,91
Net sensible cooling capacity	(1)(6)(7)	kW	2,30	2,67	3,08	3,45	3,78
Net latent power in cooling	(1)(6)(7)	kW	0,49	0,51	0,59	0,61	0,71
Max water flow	(1)	l/s	0,14	0,16	0,18	0,20	0,22
Pressure Drop in cooling mode	(1)	kPa	32	32	12	15	19
Total capacity (heating mode)	(2)	kW	2,08	2,36	2,92	3,24	3,30
Total Net Heating Capacity	(2)(6)	kW	2,17	2,46	3,00	3,31	3,43
Water flow in heating mode	(2)	l/s	0,05	0,06	0,07	0,08	0,08
Pressure drop in heating mode	(2)	kPa	11	14	21	25	9
Sound Pressure	(3)	dB(A)	52	56	47	51	52
Sound Power	(4)(7)	dB(A)	61	65	56	60	61
SIZE AND WEIGHT							
A	(5)	mm	745	745	945	945	1145
B	(5)	mm	215	215	215	215	215
H	(5)	mm	450	450	450	450	450
Operating weight	(5)	kg	15	16	21	22	25

Notes:

1 Room temperature 27°C d.b./18,9°C w.b., Chilled water (in/out) 7°C/12°C.

2 Room temperature 20 °C d.b., hot water (in/out) 65/55 °C

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

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

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

6 Values in compliance with EN14511-3:2013.

7 Values in compliance with [REGULATION (EU) N. 2016/2281]

a-LIFE2 HP DFIO/DLIO			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
4 PIPES SYSTEM CONFIGURATION							
ENERGY EFFICIENCY							
COOLING (EN14511 VALUE)							
FCEER	(1)(6)	kW/kW	49	43	48	41	44
FCEER Class			E	E	E	E	E
HEATING ONLY (EN14511 VALUE)							
FCCOP	(2)(6)	kW/kW	35	30	34	29	32
FCCOP Class			G	G	G	G	G
PERFORMANCE							
MIN SPEED							
Fan Power Input	(1)	W	67,0	112	112	168	168
Air flow rate	(1)	m³/h	649	923	1026	1381	1534
Total capacity in cooling mode	(1)	kW	3,50	4,83	5,40	6,90	7,40
Total Net Cooling Capacity	(1)(6)(7)	kW	3,43	4,72	5,29	6,74	7,24
Sensible capacity in cooling mode	(1)	kW	2,78	3,88	4,42	5,83	6,25
Net sensible cooling capacity	(1)(6)(7)	kW	2,71	3,77	4,31	5,66	6,08
Net latent power in cooling	(1)(6)(7)	kW	0,72	0,95	0,98	1,07	1,15
Max water flow	(1)	l/s	0,17	0,23	0,26	0,33	0,35
Pressure Drop in cooling mode	(1)	kPa	13	21	24	10	29
Total capacity (heating mode)	(2)	kW	2,50	3,43	3,84	4,91	5,26
Total Net Heating Capacity	(2)(6)	kW	2,56	3,54	3,95	5,07	5,43
Water flow in heating mode	(2)	l/s	0,06	0,08	0,09	0,12	0,13
Pressure drop in heating mode	(2)	kPa	5	8	9	26	30
Sound Pressure	(3)	dB(A)	41	49	51	54	54
Sound Power	(4)(7)	dB(A)	50	58	60	63	63
MED SPEED							
Fan Power Input	(1)	W	96,0	135	135	179	179
Air flow rate	(1)	m³/h	852	1078	1198	1547	1719
Total capacity in cooling mode	(1)	kW	4,49	5,70	6,25	7,50	8,10
Total Net Cooling Capacity	(1)(6)(7)	kW	4,40	5,57	6,12	7,32	7,92
Sensible capacity in cooling mode	(1)	kW	3,74	4,67	5,15	6,46	7,03
Net sensible cooling capacity	(1)(6)(7)	kW	3,64	4,53	5,01	6,28	6,85
Net latent power in cooling	(1)(6)(7)	kW	0,75	1,03	1,10	1,04	1,07
Max water flow	(1)	l/s	0,21	0,27	0,30	0,36	0,39
Pressure Drop in cooling mode	(1)	kPa	21	29	33	12	35
Total capacity (heating mode)	(2)	kW	3,21	4,05	4,44	5,33	5,76
Total Net Heating Capacity	(2)(6)	kW	3,31	4,19	4,58	5,51	5,94
Water flow in heating mode	(2)	l/s	0,08	0,10	0,11	0,13	0,14
Pressure drop in heating mode	(2)	kPa	8	10	12	30	35
Sound Pressure	(3)	dB(A)	49	51	54	55	57
Sound Power	(4)(7)	dB(A)	58	60	63	64	66
MAX SPEED							
Fan Power Input	(1)	W	132	149	149	194	194
Air flow rate	(1)	m³/h	1116	1390	1544	1740	1933
Total capacity in cooling mode	(1)	kW	5,20	6,20	7,20	8,05	8,60
Total Net Cooling Capacity	(1)(6)(7)	kW	5,07	6,05	7,05	7,86	8,41
Sensible capacity in cooling mode	(1)	kW	4,44	5,14	5,91	6,99	7,32
Net sensible cooling capacity	(1)(6)(7)	kW	4,31	4,99	5,76	6,80	7,13
Net latent power in cooling	(1)(6)(7)	kW	0,76	1,06	1,29	1,06	1,28
Max water flow	(1)	l/s	0,25	0,30	0,34	0,38	0,41
Pressure Drop in cooling mode	(1)	kPa	29	34	43	14	40
Total capacity (heating mode)	(2)	kW	3,72	4,41	5,12	5,72	6,12
Total Net Heating Capacity	(2)(6)	kW	3,85	4,56	5,27	5,92	6,31
Water flow in heating mode	(2)	l/s	0,09	0,11	0,12	0,14	0,15
Pressure drop in heating mode	(2)	kPa	11	12	16	35	39
Sound Pressure	(3)	dB(A)	55	54	59	57	59
Sound Power	(4)(7)	dB(A)	64	63	68	66	68
SIZE AND WEIGHT							
A	(5)	mm	1145	1345	1345	1545	1545
B	(5)	mm	215	215	215	215	215
H	(5)	mm	450	450	450	450	450
Operating weight	(5)	kg	27	29	31	32	36

Notes:

1 Room temperature 27°C d.b./18,9°C w.b., Chilled water (in/out) 7°C/12°C.

2 Room temperature 20 °C d.b., hot water (in/out) 65/55 °C

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

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

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

6 Values in compliance with EN14511-3:2013.

7 Values in compliance with [REGULATION (EU) N. 2016/2281]

Certified data in EUROVENT

