HYDRONIC TERMINALS

a-LIFE3

0102 - 1004 1,41-6,45 kW

Fan-coil for professional applications, with cabinet or built-in version

The a-LIFE3 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 MEHITS know-how on this range of products. Centrifugal fan with 6 speed via auto-transformer. Thanks to the different versions, with cabinet or buit in, low air intake or front air intake, vertical or horizontal installation, with a-LIFE3 units it's very easy to find the perfect solution for any system request.

Control

PS on board controller / PSW wall mounted controller

3 fan speeds and 3 operating modes manual switch, ON/OFF valve unit control. Remote water temperature probe.

MT on board thermostat / MTW wall mounted thermostat

3 fan speeds and 3 operating modes manual switch, ON/OFF valve unit control. Room air temperature probe and remote water temperature probe.

AT on board thermostat / ATW wall mounted thermostat

Operating modes selection and fan speed control (Max/Med/Min/AUTO). Room air temperature probe and remote water temperature probe. ON/OFF valve unit control. Electric heater control (ATW only). Configurable digital input. TTL serial port (Modbus RTU) for installation in BMS systems (BusAdapter required).

EK on board thermostat / EKW wall mounted thermostat (with HB/i-HB power board)

Operating modes selection and fan speed control. Room air temperature probe and remote water temperature probe. ON/OFF or modulating valve unit control. Electric heater control. Installation in BMS (e.g. Idrorelax). Installation management of Master-Slave system up to 8 fan-coil units.

iK on board programmable thermostat / iKW wall mounted programmable thermostat with LCD screen (with HB/i-HB power board)

Programmable room thermostat with operating modes selection and fan speed control. Room air temperature probe and remote water temperature probe. ON/OFF or modulating valve unit control. Electric heater control. Installation in BMS (e.g. Idrorelax). Installation management of Master-Slave system up to 8 fan-coil units.

IR Remote control (with HB/i-HB power board)

Set-point regulation, operating mode (OFF/COOLING/HEATING/AUTO /VENTILATION) and fan speed control (Max, Med, Min, AUTO).

Versions

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

Features

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

Multi speed directly coupled electric motor;

6-speed autotransformer;

Coils with aluminium fins and copper pipes.

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

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

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

Plastic drain pan for all versions.

Configurations for 2 and 4 pipe Systems.

Air filter on all models.

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

Accessories

- Hot water coil kit
- Kit Bus Adapter for BMS
- Kit RS485 - interface for Building Management System
- Kit Gateway interface for MyHome Bticino System, in combination with i(HB) Powerboard and Controls EK/EKW e IK.
- Interface SPB Kit
- Kit control board to manage 0-10V or 3 points modulating valve unit
- 2 & 3 Way Valves for main and additional coil with ON/OFF, PWM, 0-10V or 3P Motor.
- Kit LIFE BOX
- Plenum kit with round, straight or 90° air ducts.
- Air intake grille kit
- Horizontal and vertical fan coil auxiliary tray
- Electrical Heaters

a-LIFE3 / DLIV - DFIV			0102	0202	0302	0402	0502
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	34	41	42	50	64
FCEER Class			E	E	E	E	D
HEATING ONLY (EN14511 VALUE)							
FCCOP	(2)(6)	kW/kW	47	49	58	60	72
FCCOP Class			E	E	E	E	D
PERFORMANCE							
MIN SPEED							
Fan Power Input	(1)	W	20,0	20,0	25,0	25,0	26,0
Air flow rate	(1)	m³/h	186	197	239	252	346
Total capacity in cooling mode	(1)	kW	0,73	0,86	1,20	1,42	1,93
Total Net Cooling Capacity	(1)(6)(7)	kW	0,71	0,84	1,18	1,40	1,90
Sensible capacity in cooling mode	(1)	kW	0,62	0,69	1,02	1,14	1,46
Net sensible cooling capacity	(1)(6)(7)	kW	0,60	0,67	1,00	1,12	1,43
Net latent power in cooling	(1)(6)(7)	kW	0,11	0,17	0,18	0,28	0,47
Max water flow	(1)	l/s	0,03	0,04	0,06	0,07	0,09
Pressure Drop in cooling mode	(1)	kPa	0,5	4,6	1,6	8,4	4,0
Total capacity (heating mode)	(2)	kW	0,95	0,98	1,58	1,63	2,06
Total Net Heating Capacity	(2)(6)	kW	0,97	1,00	1,61	1,65	2,09
Water flow in heating mode	(2)	l/s	0,05	0,05	0,08	0,08	0,10
Pressure drop in heating mode	(2)	kPa	0,7	4,6	2,1	8,8	3,9
Sound Pressure	(3)	dB(A)	29	29	33	33	33
Sound Power	(4)(7)	dB(A)	38	38	42	42	42
MED SPEED							
Fan Power Input	(1)	W	31,0	31,0	43,0	43,0	46,0
Air flow rate	(1)	m³/h	261	276	365	385	509
Total capacity in cooling mode	(1)	kW	1,11	1,31	1,69	2,03	2,69
Total Net Cooling Capacity	(1)(6)(7)	kW	1,08	1,28	1,65	1,99	2,65
Sensible capacity in cooling mode	(1)	kW	0,96	1,06	1,49	1,65	2,10
Net sensible cooling capacity	(1)(6)(7)	kW	0,93	1,03	1,45	1,61	2,05
Net latent power in cooling	(1)(6)(7)	kW	0,15	0,25	0,20	0,38	0,59
Max water flow	(1)	l/s	0,05	0,06	0,08	0,10	0,13
Pressure Drop in cooling mode	(1)	kPa	0,9	9,7	2,9	14,7	7,2
Total capacity (heating mode)	(2)	kW	1,45	1,48	2,26	2,33	2,98
Total Net Heating Capacity	(2)(6)	kW	1,48	1,51	2,30	2,37	3,03
Water flow in heating mode	(2)	l/s	0,07	0,07	0,11	0,11	0,14
Pressure drop in heating mode	(2)	kPa	1,3	9,3	3,9	16,1	7,2
Sound Pressure	(3)	dB(A)	38	39	42	43	41
Sound Power	(4)(7)	dB(A)	47	48	51	52	50
MAX SPEED							
Fan Power Input	(1)	W	49,0	49,0	66,0	66,0	71,0
Air flow rate	(1)	m³/h	368	389	472	498	676
Total capacity in cooling mode	(1)	kW	1,41	1,65	2,11	2,48	3,27
Total Net Cooling Capacity	(1)(6)(7)	kW	1,36	1,60	2,04	2,42	3,20
Sensible capacity in cooling mode	(1)	kW	1,27	1,43	1,83	2,07	2,58
Net sensible cooling capacity	(1)(6)(7)	kW	1,22	1,38	1,76	2,00	2,51
Net latent power in cooling	(1)(6)(7)	kW	0,14	0,22	0,28	0,41	0,69
Max water flow	(1)	l/s	0,07	0,08	0,10	0,12	0,16
Pressure Drop in cooling mode	(1)	kPa	1,2	14,5	4,2	20,2	10,2
Total capacity (heating mode)	(2)	kW	1,85	1,92	2,75	2,88	3,68
Total Net Heating Capacity	(2)(6)	kW	1,90	1,97	2,82	2,95	3,75
Water flow in heating mode	(2)	l/s	0,09	0,09	0,13	0,14	0,18
Pressure drop in heating mode	(2)	kPa	1,9	14,4	5,4	23,1	10,3
Sound Pressure	(3)	dB(A)	45	46	48	49	48
Sound Power	(4)(7)	dB(A)	54	55	57	58	57
SIZE AND WEIGHT							
A	(5)	mm	450	450	650	650	850
B	(5)	mm	215	215	215	215	215
H	(5)	mm	450	450	450	450	450
Operating weight	(5)	kg	11	11	14	14	20

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 fron sound power level.
4 Sound power on the basis of measurements made in compliance with ISO 3741 and Eurovent 8/2.
5 Unit in standard configuration/execution, without optional accessories.
6 Values in compliance with EN14511
7 Values in compliance with [REGULATION (EU) N. 2016/2281]

Certified data in EUROVENT

a-LIFE3

0102 - 1004 1,41-6,45 kW

Fan-coil for professional applications, with cabinet or built-in version

a-LIFE3 / DLIV - DFIV			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
2 PIPES SYSTEM CONFIGURATION							
ENERGY EFFICIENCY							
COOLING (EN14511 VALUE)							
FCEER	(1)(6)	kW/kW	74	52	57	50	54
FCEER Class			D	E	D	E	E
HEATING ONLY (EN14511 VALUE)							
FCCOP	(2)(6)	kW/kW	81	64	69	62	66
FCCOP Class			D	E	E	E	E
PERFORMANCE							
MIN SPEED							
Fan Power Input	(1)	W	26,0	48,0	48,0	61,0	61,0
Air flow rate	(1)	m³/h	365	477	504	537	567
Total capacity in cooling mode	(1)	kW	2,23	2,95	3,21	3,43	3,69
Total Net Cooling Capacity	(1)(6)(7)	kW	2,21	2,90	3,16	3,37	3,63
Sensible capacity in cooling mode	(1)	kW	1,65	2,44	2,58	2,70	2,96
Net sensible cooling capacity	(1)(6)(7)	kW	1,62	2,39	2,53	2,64	2,90
Net latent power in cooling	(1)(6)(7)	kW	0,58	0,51	0,63	0,73	0,73
Max water flow	(1)	l/s	0,11	0,14	0,15	0,16	0,18
Pressure Drop in cooling mode	(1)	kPa	4,7	10,7	7,3	15,0	12,2
Total capacity (heating mode)	(2)	kW	2,29	3,44	3,69	4,01	4,26
Total Net Heating Capacity	(2)(6)	kW	2,32	3,49	3,74	4,07	4,32
Water flow in heating mode	(2)	l/s	0,11	0,17	0,18	0,19	0,21
Pressure drop in heating mode	(2)	kPa	4,4	11,8	7,8	13,4	13,4
Sound Pressure	(3)	dB(A)	33	39	39	39	39
Sound Power	(4)(7)	dB(A)	42	48	48	48	48
MED SPEED							
Fan Power Input	(1)	W	46,0	86,0	86,0	105	105
Air flow rate	(1)	m³/h	538	720	760	851	899
Total capacity in cooling mode	(1)	kW	3,10	4,03	4,49	5,02	5,37
Total Net Cooling Capacity	(1)(6)(7)	kW	3,06	3,95	4,41	4,92	5,27
Sensible capacity in cooling mode	(1)	kW	2,42	3,37	3,72	4,21	4,43
Net sensible cooling capacity	(1)(6)(7)	kW	2,37	3,28	3,63	4,11	4,32
Net latent power in cooling	(1)(6)(7)	kW	0,68	0,66	0,77	0,81	0,94
Max water flow	(1)	l/s	0,15	0,19	0,21	0,24	0,26
Pressure Drop in cooling mode	(1)	kPa	8,5	18,5	13,2	29,2	24,2
Total capacity (heating mode)	(2)	kW	3,39	4,79	5,27	6,04	6,30
Total Net Heating Capacity	(2)(6)	kW	3,44	4,88	5,36	6,14	6,41
Water flow in heating mode	(2)	l/s	0,16	0,23	0,25	0,29	0,30
Pressure drop in heating mode	(2)	kPa	8,6	20,6	13,6	26,6	25,9
Sound Pressure	(3)	dB(A)	41	47	47	49	50
Sound Power	(4)(7)	dB(A)	50	56	56	58	59
MAX SPEED							
Fan Power Input	(1)	W	71,0	130	130	146	146
Air flow rate	(1)	m³/h	713	966	1019	1104	1166
Total capacity in cooling mode	(1)	kW	3,77	4,78	5,33	5,97	6,45
Total Net Cooling Capacity	(1)(6)(7)	kW	3,70	4,65	5,20	5,83	6,31
Sensible capacity in cooling mode	(1)	kW	2,97	4,08	4,53	5,07	5,39
Net sensible cooling capacity	(1)(6)(7)	kW	2,90	3,95	4,40	4,92	5,24
Net latent power in cooling	(1)(6)(7)	kW	0,80	0,70	0,80	0,90	1,06
Max water flow	(1)	l/s	0,18	0,23	0,25	0,29	0,31
Pressure Drop in cooling mode	(1)	kPa	12,0	25,0	17,8	39,6	33,7
Total capacity (heating mode)	(2)	kW	4,17	5,81	6,36	7,44	7,66
Total Net Heating Capacity	(2)(6)	kW	4,24	5,94	6,49	7,59	7,81
Water flow in heating mode	(2)	l/s	0,20	0,28	0,31	0,36	0,37
Pressure drop in heating mode	(2)	kPa	12,2	28,4	18,3	37,7	36,0
Sound Pressure	(3)	dB(A)	49	53	54	55	56
Sound Power	(4)(7)	dB(A)	58	62	63	64	65
SIZE AND WEIGHT							
A	(5)	mm	850	1050	1050	1250	1250
B	(5)	mm	215	215	215	215	215
H	(5)	mm	450	450	450	450	450
Operating weight	(5)	kg	21	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) 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 fron sound power level.
4 Sound power on the basis of measurements made in compliance with ISO 3741 and Eurovent 8/2.
5 Unit in standard configuration/execution, without optional accessories.
6 Values in compliance with EN14511
7 Values in compliance with [REGULATION (EU) N. 2016/2281]

Certified data in EUROVENT

a-LIFE3 / DLIO - DFIO			0102	0202	0302	0402	0502
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	34	41	42	50	64
FCEER Class			E	E	E	E	D
HEATING ONLY (EN14511 VALUE)							
FCCOP	(2)(6)	kW/kW	47	49	58	60	72
FCCOP Class			E	E	E	E	D
PERFORMANCE							
MIN SPEED							
Fan Power Input	(1)	W	20,0	20,0	25,0	25,0	26,0
Air flow rate	(1)	m³/h	186	197	239	252	346
Total capacity in cooling mode	(1)	kW	0,73	0,86	1,20	1,42	1,93
Total Net Cooling Capacity	(1)(6)(7)	kW	0,71	0,84	1,18	1,40	1,90
Sensible capacity in cooling mode	(1)	kW	0,62	0,69	1,02	1,14	1,46
Net sensible cooling capacity	(1)(6)(7)	kW	0,60	0,67	1,00	1,12	1,43
Net latent power in cooling	(1)(6)(7)	kW	0,11	0,17	0,18	0,28	0,47
Max water flow	(1)	l/s	0,03	0,04	0,06	0,07	0,09
Pressure Drop in cooling mode	(1)	kPa	0,5	4,6	1,6	8,4	4,0
Total capacity (heating mode)	(2)	kW	0,95	0,98	1,58	1,63	2,06
Total Net Heating Capacity	(2)(6)	kW	0,97	1,00	1,61	1,65	2,09
Water flow in heating mode	(2)	l/s	0,05	0,05	0,08	0,08	0,10
Pressure drop in heating mode	(2)	kPa	0,7	4,6	2,1	8,8	3,9
Sound Pressure	(3)	dB(A)	29	29	33	33	33
Sound Power	(4)(7)	dB(A)	38	38	42	42	42
MED SPEED							
Fan Power Input	(1)	W	31,0	31,0	43,0	43,0	46,0
Air flow rate	(1)	m³/h	261	276	365	385	509
Total capacity in cooling mode	(1)	kW	1,11	1,31	1,69	2,03	2,69
Total Net Cooling Capacity	(1)(6)(7)	kW	1,08	1,28	1,65	1,99	2,65
Sensible capacity in cooling mode	(1)	kW	0,96	1,06	1,49	1,65	2,10
Net sensible cooling capacity	(1)(6)(7)	kW	0,93	1,03	1,45	1,61	2,05
Net latent power in cooling	(1)(6)(7)	kW	0,15	0,25	0,20	0,38	0,59
Max water flow	(1)	l/s	0,05	0,06	0,08	0,10	0,13
Pressure Drop in cooling mode	(1)	kPa	0,9	9,7	2,9	14,7	7,2
Total capacity (heating mode)	(2)	kW	1,45	1,48	2,26	2,33	2,98
Total Net Heating Capacity	(2)(6)	kW	1,48	1,51	2,30	2,37	3,03
Water flow in heating mode	(2)	l/s	0,07	0,07	0,11	0,11	0,14
Pressure drop in heating mode	(2)	kPa	1,3	9,3	3,9	16,1	7,2
Sound Pressure	(3)	dB(A)	38	39	42	43	41
Sound Power	(4)(7)	dB(A)	47	48	51	52	50
MAX SPEED							
Fan Power Input	(1)	W	49,0	49,0	66,0	66,0	71,0
Air flow rate	(1)	m³/h	368	389	472	498	676
Total capacity in cooling mode	(1)	kW	1,41	1,65	2,11	2,48	3,27
Total Net Cooling Capacity	(1)(6)(7)	kW	1,36	1,60	2,04	2,42	3,20
Sensible capacity in cooling mode	(1)	kW	1,27	1,43	1,83	2,07	2,58
Net sensible cooling capacity	(1)(6)(7)	kW	1,22	1,38	1,76	2,00	2,51
Net latent power in cooling	(1)(6)(7)	kW	0,14	0,22	0,28	0,41	0,69
Max water flow	(1)	l/s	0,07	0,08	0,10	0,12	0,16
Pressure Drop in cooling mode	(1)	kPa	1,2	14,5	4,2	20,2	10,2
Total capacity (heating mode)	(2)	kW	1,85	1,92	2,75	2,88	3,68
Total Net Heating Capacity	(2)(6)	kW	1,90	1,97	2,82	2,95	3,75
Water flow in heating mode	(2)	l/s	0,09	0,09	0,13	0,14	0,18
Pressure drop in heating mode	(2)	kPa	1,9	14,4	5,4	23,1	10,3
Sound Pressure	(3)	dB(A)	45	46	48	49	48
Sound Power	(4)(7)	dB(A)	54	55	57	58	57
SIZE AND WEIGHT							
A	(5)	mm	545	545	745	745	945
B	(5)	mm	215	215	215	215	215
H	(5)	mm	450	450	450	450	450
Operating weight	(5)	kg	11	12	14	15	20

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 fron sound power level.
4 Sound power on the basis of measurements made in compliance with ISO 3741 and Eurovent 8/2.
5 Unit in standard configuration/execution, without optional accessories.
6 Values in compliance with EN14511
7 Values in compliance with [REGULATION (EU) N. 2016/2281]

Certified data in EUROVENT

a-LIFE3

0102 - 1004 1,41-6,45 kW

Fan-coil for professional applications, with cabinet or built-in version

a-LIFE3 / DLIO - DFIO			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
2 PIPES SYSTEM CONFIGURATION							
ENERGY EFFICIENCY							
COOLING (EN14511 VALUE)							
FCEER	(1)(6)	kW/kW	74	52	57	50	54
FCEER Class			D	E	D	E	E
HEATING ONLY (EN14511 VALUE)							
FCCOP	(2)(6)	kW/kW	81	64	69	62	66
FCCOP Class			D	E	E	E	E
PERFORMANCE							
MIN SPEED							
Fan Power Input	(1)	W	26,0	48,0	48,0	61,0	61,0
Air flow rate	(1)	m³/h	365	477	504	537	567
Total capacity in cooling mode	(1)	kW	2,23	2,95	3,21	3,43	3,69
Total Net Cooling Capacity	(1)(6)(7)	kW	2,21	2,90	3,16	3,37	3,63
Sensible capacity in cooling mode	(1)	kW	1,65	2,44	2,58	2,70	2,96
Net sensible cooling capacity	(1)(6)(7)	kW	1,62	2,39	2,53	2,64	2,90
Net latent power in cooling	(1)(6)(7)	kW	0,58	0,51	0,63	0,73	0,73
Max water flow	(1)	l/s	0,11	0,14	0,15	0,16	0,18
Pressure Drop in cooling mode	(1)	kPa	4,7	10,7	7,3	15,0	12,2
Total capacity (heating mode)	(2)	kW	2,29	3,44	3,69	4,01	4,26
Total Net Heating Capacity	(2)(6)	kW	2,32	3,49	3,74	4,07	4,32
Water flow in heating mode	(2)	l/s	0,11	0,17	0,18	0,19	0,21
Pressure drop in heating mode	(2)	kPa	4,4	11,8	7,8	13,4	13,4
Sound Pressure	(3)	dB(A)	33	39	39	39	39
Sound Power	(4)(7)	dB(A)	42	48	48	48	48
MED SPEED							
Fan Power Input	(1)	W	46,0	86,0	86,0	105	105
Air flow rate	(1)	m³/h	538	720	760	851	899
Total capacity in cooling mode	(1)	kW	3,10	4,03	4,49	5,02	5,37
Total Net Cooling Capacity	(1)(6)(7)	kW	3,06	3,95	4,41	4,92	5,27
Sensible capacity in cooling mode	(1)	kW	2,42	3,37	3,72	4,21	4,43
Net sensible cooling capacity	(1)(6)(7)	kW	2,37	3,28	3,63	4,11	4,32
Net latent power in cooling	(1)(6)(7)	kW	0,68	0,66	0,77	0,81	0,94
Max water flow	(1)	l/s	0,15	0,19	0,21	0,24	0,26
Pressure Drop in cooling mode	(1)	kPa	8,5	18,5	13,2	29,2	24,2
Total capacity (heating mode)	(2)	kW	3,39	4,79	5,27	6,04	6,30
Total Net Heating Capacity	(2)(6)	kW	3,44	4,88	5,36	6,14	6,41
Water flow in heating mode	(2)	l/s	0,16	0,23	0,25	0,29	0,30
Pressure drop in heating mode	(2)	kPa	8,6	20,6	13,6	26,6	25,9
Sound Pressure	(3)	dB(A)	41	47	47	49	50
Sound Power	(4)(7)	dB(A)	50	56	56	58	59
MAX SPEED							
Fan Power Input	(1)	W	71,0	130	130	146	146
Air flow rate	(1)	m³/h	713	966	1019	1104	1166
Total capacity in cooling mode	(1)	kW	3,77	4,78	5,33	5,97	6,45
Total Net Cooling Capacity	(1)(6)(7)	kW	3,70	4,65	5,20	5,83	6,31
Sensible capacity in cooling mode	(1)	kW	2,97	4,08	4,53	5,07	5,39
Net sensible cooling capacity	(1)(6)(7)	kW	2,90	3,95	4,40	4,92	5,24
Net latent power in cooling	(1)(6)(7)	kW	0,80	0,70	0,80	0,90	1,06
Max water flow	(1)	l/s	0,18	0,23	0,25	0,29	0,31
Pressure Drop in cooling mode	(1)	kPa	12,0	25,0	17,8	39,6	33,7
Total capacity (heating mode)	(2)	kW	4,17	5,81	6,36	7,44	7,66
Total Net Heating Capacity	(2)(6)	kW	4,24	5,94	6,49	7,59	7,81
Water flow in heating mode	(2)	l/s	0,20	0,28	0,31	0,36	0,37
Pressure drop in heating mode	(2)	kPa	12,2	28,4	18,3	37,7	36,0
Sound Pressure	(3)	dB(A)	49	53	54	55	56
Sound Power	(4)(7)	dB(A)	58	62	63	64	65
SIZE AND WEIGHT							
A	(5)	mm	945	1145	1145	1345	1345
B	(5)	mm	215	215	215	215	215
H	(5)	mm	450	450	450	450	450
Operating weight	(5)	kg	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) 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 fron sound power level.
4 Sound power on the basis of measurements made in compliance with ISO 3741 and Eurovent 8/2.
5 Unit in standard configuration/execution, without optional accessories.
6 Values in compliance with EN14511
7 Values in compliance with [REGULATION (EU) N. 2016/2281]

Certified data in EUROVENT

a-LIFE3 / DLMV - DFMV / DLMO - DFMO			0102	0202	0302	0402	0502
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	34	41	42	50	64
FCEER Class			E	E	E	E	D
HEATING ONLY (EN14511 VALUE)							
FCCOP	(2)(6)	kW/kW	47	49	58	60	72
FCCOP Class			E	E	E	E	D
PERFORMANCE							
MIN SPEED							
Fan Power Input	(1)	W	20,0	20,0	25,0	25,0	26,0
Air flow rate	(1)	m³/h	186	197	239	252	346
Total capacity in cooling mode	(1)	kW	0,73	0,86	1,20	1,42	1,93
Total Net Cooling Capacity	(1)(6)(7)	kW	0,71	0,84	1,18	1,40	1,90
Sensible capacity in cooling mode	(1)	kW	0,62	0,69	1,02	1,14	1,46
Net sensible cooling capacity	(1)(6)(7)	kW	0,60	0,67	1,00	1,12	1,43
Net latent power in cooling	(1)(6)(7)	kW	0,11	0,17	0,18	0,28	0,47
Max water flow	(1)	l/s	0,03	0,04	0,06	0,07	0,09
Pressure Drop in cooling mode	(1)	kPa	0,5	4,6	1,6	8,4	4,0
Total capacity (heating mode)	(2)	kW	0,95	0,98	1,58	1,63	2,06
Total Net Heating Capacity	(2)(6)	kW	0,97	1,00	1,61	1,65	2,09
Water flow in heating mode	(2)	l/s	0,05	0,05	0,08	0,08	0,10
Pressure drop in heating mode	(2)	kPa	0,7	4,6	2,1	8,8	3,9
Sound Pressure	(3)	dB(A)	29	29	33	33	33
Sound Power	(4)(7)	dB(A)	38	38	42	42	42
MED SPEED							
Fan Power Input	(1)	W	31,0	31,0	43,0	43,0	46,0
Air flow rate	(1)	m³/h	261	276	365	385	509
Total capacity in cooling mode	(1)	kW	1,11	1,31	1,69	2,03	2,69
Total Net Cooling Capacity	(1)(6)(7)	kW	1,08	1,28	1,65	1,99	2,65
Sensible capacity in cooling mode	(1)	kW	0,96	1,06	1,49	1,65	2,10
Net sensible cooling capacity	(1)(6)(7)	kW	0,93	1,03	1,45	1,61	2,05
Net latent power in cooling	(1)(6)(7)	kW	0,15	0,25	0,20	0,38	0,59
Max water flow	(1)	l/s	0,05	0,06	0,08	0,10	0,13
Pressure Drop in cooling mode	(1)	kPa	0,9	9,7	2,9	14,7	7,2
Total capacity (heating mode)	(2)	kW	1,45	1,48	2,26	2,33	2,98
Total Net Heating Capacity	(2)(6)	kW	1,48	1,51	2,30	2,37	3,03
Water flow in heating mode	(2)	l/s	0,07	0,07	0,11	0,11	0,14
Pressure drop in heating mode	(2)	kPa	1,3	9,3	3,9	16,1	7,2
Sound Pressure	(3)	dB(A)	38	39	42	43	41
Sound Power	(4)(7)	dB(A)	47	48	51	52	50
MAX SPEED							
Fan Power Input	(1)	W	49,0	49,0	66,0	66,0	71,0
Air flow rate	(1)	m³/h	368	389	472	498	676
Total capacity in cooling mode	(1)	kW	1,41	1,65	2,11	2,48	3,27
Total Net Cooling Capacity	(1)(6)(7)	kW	1,36	1,60	2,04	2,42	3,20
Sensible capacity in cooling mode	(1)	kW	1,27	1,43	1,83	2,07	2,58
Net sensible cooling capacity	(1)(6)(7)	kW	1,22	1,38	1,76	2,00	2,51
Net latent power in cooling	(1)(6)(7)	kW	0,14	0,22	0,28	0,41	0,69
Max water flow	(1)	l/s	0,07	0,08	0,10	0,12	0,16
Pressure Drop in cooling mode	(1)	kPa	1,2	14,5	4,2	20,2	10,2
Total capacity (heating mode)	(2)	kW	1,85	1,92	2,75	2,88	3,68
Total Net Heating Capacity	(2)(6)	kW	1,90	1,97	2,82	2,95	3,75
Water flow in heating mode	(2)	l/s	0,09	0,09	0,13	0,14	0,18
Pressure drop in heating mode	(2)	kPa	1,9	14,4	5,4	23,1	10,3
Sound Pressure	(3)	dB(A)	45	46	48	49	48
Sound Power	(4)(7)	dB(A)	54	55	57	58	57
SIZE AND WEIGHT							
A	(5)	mm	922	922	1112	1112	1302
B	(5)	mm	233	233	233	233	233
H	(5)	mm	499	499	499	499	499
Operating weight	(5)	kg	16	17	20	21	27

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 fron sound power level.
4 Sound power on the basis of measurements made in compliance with ISO 3741 and Eurovent 8/2.
5 Unit in standard configuration/execution, without optional accessories.
6 Values in compliance with EN14511
7 Values in compliance with [REGULATION (EU) N. 2016/2281]

Certified data in EUROVENT

a-LIFE3

0102 - 1004 1,41-6,45 kW

Fan-coil for professional applications, with cabinet or built-in version

a-LIFE3 / DLMV - DFMV / DLMO - DFMO			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
2 PIPES SYSTEM CONFIGURATION							
ENERGY EFFICIENCY							
COOLING (EN14511 VALUE)							
FCEER	(1)(6)	kW/kW	74	52	57	50	54
FCEER Class			D	E	D	E	E
HEATING ONLY (EN14511 VALUE)							
FCCOP	(2)(6)	kW/kW	81	64	69	62	66
FCCOP Class			D	E	E	E	E
PERFORMANCE							
MIN SPEED							
Fan Power Input	(1)	W	26,0	48,0	48,0	61,0	61,0
Air flow rate	(1)	m³/h	365	477	504	537	567
Total capacity in cooling mode	(1)	kW	2,23	2,95	3,21	3,43	3,69
Total Net Cooling Capacity	(1)(6)(7)	kW	2,21	2,90	3,16	3,37	3,63
Sensible capacity in cooling mode	(1)	kW	1,65	2,44	2,58	2,70	2,96
Net sensible cooling capacity	(1)(6)(7)	kW	1,62	2,39	2,53	2,64	2,90
Net latent power in cooling	(1)(6)(7)	kW	0,58	0,51	0,63	0,73	0,73
Max water flow	(1)	l/s	0,11	0,14	0,15	0,16	0,18
Pressure Drop in cooling mode	(1)	kPa	4,7	10,7	7,3	15,0	12,2
Total capacity (heating mode)	(2)	kW	2,29	3,44	3,69	4,01	4,26
Total Net Heating Capacity	(2)(6)	kW	2,32	3,49	3,74	4,07	4,32
Water flow in heating mode	(2)	l/s	0,11	0,17	0,18	0,19	0,21
Pressure drop in heating mode	(2)	kPa	4,4	11,8	7,8	13,4	13,4
Sound Pressure	(3)	dB(A)	33	39	39	39	39
Sound Power	(4)(7)	dB(A)	42	48	48	48	48
MED SPEED							
Fan Power Input	(1)	W	46,0	86,0	86,0	105	105
Air flow rate	(1)	m³/h	538	720	760	851	899
Total capacity in cooling mode	(1)	kW	3,10	4,03	4,49	5,02	5,37
Total Net Cooling Capacity	(1)(6)(7)	kW	3,06	3,95	4,41	4,92	5,27
Sensible capacity in cooling mode	(1)	kW	2,42	3,37	3,72	4,21	4,43
Net sensible cooling capacity	(1)(6)(7)	kW	2,37	3,28	3,63	4,11	4,32
Net latent power in cooling	(1)(6)(7)	kW	0,68	0,66	0,77	0,81	0,94
Max water flow	(1)	l/s	0,15	0,19	0,21	0,24	0,26
Pressure Drop in cooling mode	(1)	kPa	8,5	18,5	13,2	29,2	24,2
Total capacity (heating mode)	(2)	kW	3,39	4,79	5,27	6,04	6,30
Total Net Heating Capacity	(2)(6)	kW	3,44	4,88	5,36	6,14	6,41
Water flow in heating mode	(2)	l/s	0,16	0,23	0,25	0,29	0,30
Pressure drop in heating mode	(2)	kPa	8,6	20,6	13,6	26,6	25,9
Sound Pressure	(3)	dB(A)	41	47	47	49	50
Sound Power	(4)(7)	dB(A)	50	56	56	58	59
MAX SPEED							
Fan Power Input	(1)	W	71,0	130	130	146	146
Air flow rate	(1)	m³/h	713	966	1019	1104	1166
Total capacity in cooling mode	(1)	kW	3,77	4,78	5,33	5,97	6,45
Total Net Cooling Capacity	(1)(6)(7)	kW	3,70	4,65	5,20	5,83	6,31
Sensible capacity in cooling mode	(1)	kW	2,97	4,08	4,53	5,07	5,39
Net sensible cooling capacity	(1)(6)(7)	kW	2,90	3,95	4,40	4,92	5,24
Net latent power in cooling	(1)(6)(7)	kW	0,80	0,70	0,80	0,90	1,06
Max water flow	(1)	l/s	0,18	0,23	0,25	0,29	0,31
Pressure Drop in cooling mode	(1)	kPa	12,0	25,0	17,8	39,6	33,7
Total capacity (heating mode)	(2)	kW	4,17	5,81	6,36	7,44	7,66
Total Net Heating Capacity	(2)(6)	kW	4,24	5,94	6,49	7,59	7,81
Water flow in heating mode	(2)	l/s	0,20	0,28	0,31	0,36	0,37
Pressure drop in heating mode	(2)	kPa	12,2	28,4	18,3	37,7	36,0
Sound Pressure	(3)	dB(A)	49	53	54	55	56
Sound Power	(4)(7)	dB(A)	58	62	63	64	65
SIZE AND WEIGHT							
A	(5)	mm	1302	1492	1492	1682	1682
B	(5)	mm	233	233	233	233	233
H	(5)	mm	499	499	499	499	499
Operating weight	(5)	kg	28	31	32	36	37

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 fron sound power level.
4 Sound power on the basis of measurements made in compliance with ISO 3741 and Eurovent 8/2.
5 Unit in standard configuration/execution, without optional accessories.
6 Values in compliance with EN14511
7 Values in compliance with [REGULATION (EU) N. 2016/2281]

Certified data in EUROVENT

a-LIFE3 / DLIV - DFIV			0104	0204	0304	0404	0504
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	34	41	42	50	64
FCEER Class			E	E	E	E	D
HEATING ONLY (EN14511 VALUE)							
FCCOP	(2)(6)	kW/kW	44	45	49	51	69
FCCOP Class			E	E	E	E	E
PERFORMANCE							
MIN SPEED							
Fan Power Input	(1)	W	20,0	20,0	25,0	25,0	26,0
Air flow rate	(1)	m³/h	186	197	239	252	346
Total capacity in cooling mode	(1)	kW	0,73	0,86	1,20	1,42	1,93
Total Net Cooling Capacity	(1)(6)(7)	kW	0,71	0,84	1,18	1,40	1,90
Sensible capacity in cooling mode	(1)	kW	0,62	0,69	1,02	1,14	1,46
Net sensible cooling capacity	(1)(6)(7)	kW	0,60	0,67	1,00	1,12	1,43
Net latent power in cooling	(1)(6)(7)	kW	0,11	0,17	0,18	0,28	0,47
Max water flow	(1)	l/s	0,03	0,04	0,06	0,07	0,09
Pressure Drop in cooling mode	(1)	kPa	0,5	4,6	1,6	8,4	4,0
Total capacity (heating mode)	(2)	kW	0,93	0,97	1,35	1,41	2,01
Total Net Heating Capacity	(2)(6)	kW	0,95	0,99	1,37	1,43	2,04
Water flow in heating mode	(2)	l/s	0,02	0,02	0,03	0,03	0,05
Pressure drop in heating mode	(2)	kPa	4,1	4,4	5,1	5,5	9,2
Sound Pressure	(3)	dB(A)	29	29	33	33	33
Sound Power	(4)(7)	dB(A)	38	38	42	42	42
MED SPEED							
Fan Power Input	(1)	W	31,0	31,0	43,0	43,0	46,0
Air flow rate	(1)	m³/h	261	276	365	385	509
Total capacity in cooling mode	(1)	kW	1,11	1,31	1,69	2,03	2,69
Total Net Cooling Capacity	(1)(6)(7)	kW	1,08	1,28	1,65	1,99	2,65
Sensible capacity in cooling mode	(1)	kW	0,96	1,06	1,49	1,65	2,10
Net sensible cooling capacity	(1)(6)(7)	kW	0,93	1,03	1,45	1,61	2,05
Net latent power in cooling	(1)(6)(7)	kW	0,15	0,25	0,20	0,38	0,59
Max water flow	(1)	l/s	0,05	0,06	0,08	0,10	0,13
Pressure Drop in cooling mode	(1)	kPa	0,9	9,7	2,9	14,7	7,2
Total capacity (heating mode)	(2)	kW	1,21	1,24	1,85	1,93	2,70
Total Net Heating Capacity	(2)(6)	kW	1,24	1,27	1,89	1,97	2,75
Water flow in heating mode	(2)	l/s	0,03	0,03	0,04	0,05	0,07
Pressure drop in heating mode	(2)	kPa	6,3	6,5	8,6	9,3	15,0
Sound Pressure	(3)	dB(A)	38	39	42	43	41
Sound Power	(4)(7)	dB(A)	47	48	51	52	50
MAX SPEED							
Fan Power Input	(1)	W	49,0	49,0	66,0	66,0	71,0
Air flow rate	(1)	m³/h	368	389	472	498	676
Total capacity in cooling mode	(1)	kW	1,41	1,65	2,11	2,48	3,27
Total Net Cooling Capacity	(1)(6)(7)	kW	1,36	1,60	2,04	2,42	3,20
Sensible capacity in cooling mode	(1)	kW	1,27	1,43	1,83	2,07	2,58
Net sensible cooling capacity	(1)(6)(7)	kW	1,22	1,38	1,76	2,00	2,51
Net latent power in cooling	(1)(6)(7)	kW	0,14	0,22	0,28	0,41	0,69
Max water flow	(1)	l/s	0,07	0,08	0,10	0,12	0,16
Pressure Drop in cooling mode	(1)	kPa	1,2	14,5	4,2	20,2	10,2
Total capacity (heating mode)	(2)	kW	1,55	1,60	2,23	2,33	3,33
Total Net Heating Capacity	(2)(6)	kW	1,60	1,65	2,30	2,40	3,40
Water flow in heating mode	(2)	l/s	0,04	0,04	0,05	0,06	0,08
Pressure drop in heating mode	(2)	kPa	9,4	9,9	11,8	12,7	21,2
Sound Pressure	(3)	dB(A)	45	46	48	49	48
Sound Power	(4)(7)	dB(A)	54	55	57	58	57
SIZE AND WEIGHT							
A	(5)	mm	450	450	650	650	850
B	(5)	mm	215	215	215	215	215
H	(5)	mm	450	450	450	450	450
Operating weight	(5)	kg	12	12	15	15	21

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 fron sound power level.
4 Sound power on the basis of measurements made in compliance with ISO 3741 and Eurovent 8/2.
5 Unit in standard configuration/execution, without optional accessories.
6 Values in compliance with EN14511
7 Values in compliance with [REGULATION (EU) N. 2016/2281]

Certified data in EUROVENT

a-LIFE3

0102 - 1004 1,41-6,45 kW

Fan-coil for professional applications, with cabinet or built-in version

a-LIFE3 / DLIV - DFIV			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
4 PIPES SYSTEM CONFIGURATION							
ENERGY EFFICIENCY							
COOLING (EN14511 VALUE)							
FCEER	(1)(6)	kW/kW	74	52	57	50	54
FCEER Class			D	E	D	E	E
HEATING ONLY (EN14511 VALUE)							
FCCOP	(2)(6)	kW/kW	73	49	51	49	50
FCCOP Class			D	E	E	E	E
PERFORMANCE							
MIN SPEED							
Fan Power Input	(1)	W	26,0	48,0	48,0	61,0	61,0
Air flow rate	(1)	m³/h	365	477	504	537	567
Total capacity in cooling mode	(1)	kW	2,23	2,95	3,21	3,43	3,69
Total Net Cooling Capacity	(1)(6)(7)	kW	2,21	2,90	3,16	3,37	3,63
Sensible capacity in cooling mode	(1)	kW	1,65	2,44	2,58	2,70	2,96
Net sensible cooling capacity	(1)(6)(7)	kW	1,62	2,39	2,53	2,64	2,90
Net latent power in cooling	(1)(6)(7)	kW	0,58	0,51	0,63	0,73	0,73
Max water flow	(1)	l/s	0,11	0,14	0,15	0,16	0,18
Pressure Drop in cooling mode	(1)	kPa	4,7	10,7	7,3	15,0	12,2
Total capacity (heating mode)	(2)	kW	2,13	2,64	2,76	3,18	3,29
Total Net Heating Capacity	(2)(6)	kW	2,16	2,69	2,81	3,24	3,35
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	10,1	3,9	4,2	4,9	5,2
Sound Pressure	(3)	dB(A)	33	39	39	39	39
Sound Power	(4)(7)	dB(A)	42	48	48	48	48
MED SPEED							
Fan Power Input	(1)	W	46,0	86,0	86,0	105	105
Air flow rate	(1)	m³/h	538	720	760	851	899
Total capacity in cooling mode	(1)	kW	3,10	4,03	4,49	5,02	5,37
Total Net Cooling Capacity	(1)(6)(7)	kW	3,06	3,95	4,41	4,92	5,27
Sensible capacity in cooling mode	(1)	kW	2,42	3,37	3,72	4,21	4,43
Net sensible cooling capacity	(1)(6)(7)	kW	2,37	3,28	3,63	4,11	4,32
Net latent power in cooling	(1)(6)(7)	kW	0,68	0,66	0,77	0,81	0,94
Max water flow	(1)	l/s	0,15	0,19	0,21	0,24	0,26
Pressure Drop in cooling mode	(1)	kPa	8,5	18,5	13,2	29,2	24,2
Total capacity (heating mode)	(2)	kW	2,86	3,59	3,75	4,50	4,66
Total Net Heating Capacity	(2)(6)	kW	2,90	3,68	3,84	4,61	4,76
Water flow in heating mode	(2)	l/s	0,07	0,09	0,09	0,11	0,11
Pressure drop in heating mode	(2)	kPa	16,4	6,5	7,0	8,8	9,3
Sound Pressure	(3)	dB(A)	41	47	47	49	50
Sound Power	(4)(7)	dB(A)	50	56	56	58	59
MAX SPEED							
Fan Power Input	(1)	W	71,0	130	130	146	146
Air flow rate	(1)	m³/h	713	966	1019	1104	1166
Total capacity in cooling mode	(1)	kW	3,77	4,78	5,33	5,97	6,45
Total Net Cooling Capacity	(1)(6)(7)	kW	3,70	4,65	5,20	5,83	6,31
Sensible capacity in cooling mode	(1)	kW	2,97	4,08	4,53	5,07	5,39
Net sensible cooling capacity	(1)(6)(7)	kW	2,90	3,95	4,40	4,92	5,24
Net latent power in cooling	(1)(6)(7)	kW	0,80	0,70	0,80	0,90	1,06
Max water flow	(1)	l/s	0,18	0,23	0,25	0,29	0,31
Pressure Drop in cooling mode	(1)	kPa	12,0	25,0	17,8	39,6	33,7
Total capacity (heating mode)	(2)	kW	3,53	4,47	4,67	5,45	5,65
Total Net Heating Capacity	(2)(6)	kW	3,60	4,60	4,80	5,60	5,80
Water flow in heating mode	(2)	l/s	0,09	0,11	0,11	0,13	0,14
Pressure drop in heating mode	(2)	kPa	23,4	9,4	10,1	12,1	12,9
Sound Pressure	(3)	dB(A)	49	53	54	55	56
Sound Power	(4)(7)	dB(A)	58	62	63	64	65
SIZE AND WEIGHT							
A	(5)	mm	850	1050	1050	1250	1250
B	(5)	mm	215	215	215	215	215
H	(5)	mm	450	450	450	450	450
Operating weight	(5)	kg	22	24	26	28	30

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 fron sound power level.
4 Sound power on the basis of measurements made in compliance with ISO 3741 and Eurovent 8/2.
5 Unit in standard configuration/execution, without optional accessories.
6 Values in compliance with EN14511
7 Values in compliance with [REGULATION (EU) N. 2016/2281]

Certified data in EUROVENT

a-LIFE3 / DLIO - DFIO			0104	0204	0304	0404	0504
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	34	41	42	50	64
FCEER Class			E	E	E	E	D
HEATING ONLY (EN14511 VALUE)							
FCCOP	(2)(6)	kW/kW	44	45	49	51	69
FCCOP Class			E	E	E	E	E
PERFORMANCE							
MIN SPEED							
Fan Power Input	(1)	W	20,0	20,0	25,0	25,0	26,0
Air flow rate	(1)	m³/h	186	197	239	252	346
Total capacity in cooling mode	(1)	kW	0,73	0,86	1,20	1,42	1,93
Total Net Cooling Capacity	(1)(6)(7)	kW	0,71	0,84	1,18	1,40	1,90
Sensible capacity in cooling mode	(1)	kW	0,62	0,69	1,02	1,14	1,46
Net sensible cooling capacity	(1)(6)(7)	kW	0,60	0,67	1,00	1,12	1,43
Net latent power in cooling	(1)(6)(7)	kW	0,11	0,17	0,18	0,28	0,47
Max water flow	(1)	l/s	0,03	0,04	0,06	0,07	0,09
Pressure Drop in cooling mode	(1)	kPa	0,5	4,6	1,6	8,4	4,0
Total capacity (heating mode)	(2)	kW	0,93	0,97	1,35	1,41	2,01
Total Net Heating Capacity	(2)(6)	kW	0,95	0,99	1,37	1,43	2,04
Water flow in heating mode	(2)	l/s	0,02	0,02	0,03	0,03	0,05
Pressure drop in heating mode	(2)	kPa	4,1	4,4	5,1	5,5	9,2
Sound Pressure	(3)	dB(A)	29	29	33	33	33
Sound Power	(4)(7)	dB(A)	38	38	42	42	42
MED SPEED							
Fan Power Input	(1)	W	31,0	31,0	43,0	43,0	46,0
Air flow rate	(1)	m³/h	261	276	365	385	509
Total capacity in cooling mode	(1)	kW	1,11	1,31	1,69	2,03	2,69
Total Net Cooling Capacity	(1)(6)(7)	kW	1,08	1,28	1,65	1,99	2,65
Sensible capacity in cooling mode	(1)	kW	0,96	1,06	1,49	1,65	2,10
Net sensible cooling capacity	(1)(6)(7)	kW	0,93	1,03	1,45	1,61	2,05
Net latent power in cooling	(1)(6)(7)	kW	0,15	0,25	0,20	0,38	0,59
Max water flow	(1)	l/s	0,05	0,06	0,08	0,10	0,13
Pressure Drop in cooling mode	(1)	kPa	0,9	9,7	2,9	14,7	7,2
Total capacity (heating mode)	(2)	kW	1,21	1,24	1,85	1,93	2,70
Total Net Heating Capacity	(2)(6)	kW	1,24	1,27	1,89	1,97	2,75
Water flow in heating mode	(2)	l/s	0,03	0,03	0,04	0,05	0,07
Pressure drop in heating mode	(2)	kPa	6,3	6,5	8,6	9,3	15,0
Sound Pressure	(3)	dB(A)	38	39	42	43	41
Sound Power	(4)(7)	dB(A)	47	48	51	52	50
MAX SPEED							
Fan Power Input	(1)	W	49,0	49,0	66,0	66,0	71,0
Air flow rate	(1)	m³/h	368	389	472	498	676
Total capacity in cooling mode	(1)	kW	1,41	1,65	2,11	2,48	3,27
Total Net Cooling Capacity	(1)(6)(7)	kW	1,36	1,60	2,04	2,42	3,20
Sensible capacity in cooling mode	(1)	kW	1,27	1,43	1,83	2,07	2,58
Net sensible cooling capacity	(1)(6)(7)	kW	1,22	1,38	1,76	2,00	2,51
Net latent power in cooling	(1)(6)(7)	kW	0,14	0,22	0,28	0,41	0,69
Max water flow	(1)	l/s	0,07	0,08	0,10	0,12	0,16
Pressure Drop in cooling mode	(1)	kPa	1,2	14,5	4,2	20,2	10,2
Total capacity (heating mode)	(2)	kW	1,55	1,60	2,23	2,33	3,33
Total Net Heating Capacity	(2)(6)	kW	1,60	1,65	2,30	2,40	3,40
Water flow in heating mode	(2)	l/s	0,04	0,04	0,05	0,06	0,08
Pressure drop in heating mode	(2)	kPa	9,4	9,9	11,8	12,7	21,2
Sound Pressure	(3)	dB(A)	45	46	48	49	48
Sound Power	(4)(7)	dB(A)	54	55	57	58	57
SIZE AND WEIGHT							
A	(5)	mm	545	545	745	745	945
B	(5)	mm	215	215	215	215	215
H	(5)	mm	450	450	450	450	450
Operating weight	(5)	kg	12	13	15	16	21

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 fron sound power level.
4 Sound power on the basis of measurements made in compliance with ISO 3741 and Eurovent 8/2.
5 Unit in standard configuration/execution, without optional accessories.
6 Values in compliance with EN14511
7 Values in compliance with [REGULATION (EU) N. 2016/2281]

Certified data in EUROVENT

a-LIFE3

0102 - 1004 1,41-6,45 kW

Fan-coil for professional applications, with cabinet or built-in version

a-LIFE3 / DLIO - DFIO			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
4 PIPES SYSTEM CONFIGURATION							
ENERGY EFFICIENCY							
COOLING (EN14511 VALUE)							
FCEER	(1)(6)	kW/kW	74	52	57	50	54
FCEER Class			D	E	D	E	E
HEATING ONLY (EN14511 VALUE)							
FCCOP	(2)(6)	kW/kW	73	49	51	49	50
FCCOP Class			D	E	E	E	E
PERFORMANCE							
MIN SPEED							
Fan Power Input	(1)	W	26,0	48,0	48,0	61,0	61,0
Air flow rate	(1)	m³/h	365	477	504	537	567
Total capacity in cooling mode	(1)	kW	2,23	2,95	3,21	3,43	3,69
Total Net Cooling Capacity	(1)(6)(7)	kW	2,21	2,90	3,16	3,37	3,63
Sensible capacity in cooling mode	(1)	kW	1,65	2,44	2,58	2,70	2,96
Net sensible cooling capacity	(1)(6)(7)	kW	1,62	2,39	2,53	2,64	2,90
Net latent power in cooling	(1)(6)(7)	kW	0,58	0,51	0,63	0,73	0,73
Max water flow	(1)	l/s	0,11	0,14	0,15	0,16	0,18
Pressure Drop in cooling mode	(1)	kPa	4,7	10,7	7,3	15,0	12,2
Total capacity (heating mode)	(2)	kW	2,13	2,64	2,76	3,18	3,29
Total Net Heating Capacity	(2)(6)	kW	2,16	2,69	2,81	3,24	3,35
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	10,1	3,9	4,2	4,9	2,7
Sound Pressure	(3)	dB(A)	33	39	39	39	39
Sound Power	(4)(7)	dB(A)	42	48	48	48	48
MED SPEED							
Fan Power Input	(1)	W	46,0	86,0	86,0	105	105
Air flow rate	(1)	m³/h	538	720	760	851	899
Total capacity in cooling mode	(1)	kW	3,10	4,03	4,49	5,02	5,37
Total Net Cooling Capacity	(1)(6)(7)	kW	3,06	3,95	4,41	4,92	5,27
Sensible capacity in cooling mode	(1)	kW	2,42	3,37	3,72	4,21	4,43
Net sensible cooling capacity	(1)(6)(7)	kW	2,37	3,28	3,63	4,11	4,32
Net latent power in cooling	(1)(6)(7)	kW	0,68	0,66	0,77	0,81	0,94
Max water flow	(1)	l/s	0,15	0,19	0,21	0,24	0,26
Pressure Drop in cooling mode	(1)	kPa	8,5	18,5	13,2	29,2	24,2
Total capacity (heating mode)	(2)	kW	2,86	3,59	3,75	4,50	4,66
Total Net Heating Capacity	(2)(6)	kW	2,91	3,68	3,84	4,61	4,76
Water flow in heating mode	(2)	l/s	0,07	0,09	0,09	0,11	0,11
Pressure drop in heating mode	(2)	kPa	16,5	6,5	7,0	8,8	4,9
Sound Pressure	(3)	dB(A)	41	47	47	49	50
Sound Power	(4)(7)	dB(A)	50	56	56	58	59
MAX SPEED							
Fan Power Input	(1)	W	71,0	130	130	146	146
Air flow rate	(1)	m³/h	713	966	1019	1104	1166
Total capacity in cooling mode	(1)	kW	3,77	4,78	5,33	5,97	6,45
Total Net Cooling Capacity	(1)(6)(7)	kW	3,70	4,65	5,20	5,83	6,31
Sensible capacity in cooling mode	(1)	kW	2,97	4,08	4,53	5,07	5,39
Net sensible cooling capacity	(1)(6)(7)	kW	2,90	3,95	4,40	4,92	5,24
Net latent power in cooling	(1)(6)(7)	kW	0,80	0,70	0,80	0,90	1,06
Max water flow	(1)	l/s	0,18	0,23	0,25	0,29	0,31
Pressure Drop in cooling mode	(1)	kPa	12,0	25,0	17,8	39,6	33,7
Total capacity (heating mode)	(2)	kW	3,53	4,47	4,67	5,45	5,65
Total Net Heating Capacity	(2)(6)	kW	3,60	4,60	4,80	5,60	5,80
Water flow in heating mode	(2)	l/s	0,09	0,11	0,11	0,13	0,14
Pressure drop in heating mode	(2)	kPa	23,4	9,4	10,1	12,1	6,8
Sound Pressure	(3)	dB(A)	49	53	54	55	56
Sound Power	(4)(7)	dB(A)	58	62	63	64	65
SIZE AND WEIGHT							
A	(5)	mm	945	1145	1145	1345	1345
B	(5)	mm	215	215	215	215	215
H	(5)	mm	450	450	450	450	450
Operating weight	(5)	kg	22	25	26	29	30

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 fron sound power level.
4 Sound power on the basis of measurements made in compliance with ISO 3741 and Eurovent 8/2.
5 Unit in standard configuration/execution, without optional accessories.
6 Values in compliance with EN14511
7 Values in compliance with [REGULATION (EU) N. 2016/2281]

Certified data in EUROVENT

a-LIFE3 / DLMV - DFMV / DLMO - DFMO			0104	0204	0304	0404	0504
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	34	41	42	50	64
FCEER Class			E	E	E	E	D
HEATING ONLY (EN14511 VALUE)							
FCCOP	(2)(6)	kW/kW	44	45	49	51	69
FCCOP Class			E	E	E	E	E
PERFORMANCE							
MIN SPEED							
Fan Power Input	(1)	W	20,0	20,0	25,0	25,0	26,0
Air flow rate	(1)	m³/h	186	197	239	252	346
Total capacity in cooling mode	(1)	kW	0,73	0,86	1,20	1,42	1,93
Total Net Cooling Capacity	(1)(6)(7)	kW	0,71	0,84	1,18	1,40	1,90
Sensible capacity in cooling mode	(1)	kW	0,62	0,69	1,02	1,14	1,46
Net sensible cooling capacity	(1)(6)(7)	kW	0,60	0,67	1,00	1,12	1,43
Net latent power in cooling	(1)(6)(7)	kW	0,11	0,17	0,18	0,28	0,47
Max water flow	(1)	l/s	0,03	0,04	0,06	0,07	0,09
Pressure Drop in cooling mode	(1)	kPa	0,5	4,6	1,6	8,4	4,0
Total capacity (heating mode)	(2)	kW	0,93	0,97	1,35	1,41	2,01
Total Net Heating Capacity	(2)(6)	kW	0,95	0,99	1,37	1,43	2,04
Water flow in heating mode	(2)	l/s	0,02	0,02	0,03	0,03	0,05
Pressure drop in heating mode	(2)	kPa	4,1	4,4	5,1	5,5	9,2
Sound Pressure	(3)	dB(A)	29	29	33	33	33
Sound Power	(4)(7)	dB(A)	38	38	42	42	42
MED SPEED							
Fan Power Input	(1)	W	31,0	31,0	43,0	43,0	46,0
Air flow rate	(1)	m³/h	261	276	365	385	509
Total capacity in cooling mode	(1)	kW	1,11	1,31	1,69	2,03	2,69
Total Net Cooling Capacity	(1)(6)(7)	kW	1,08	1,28	1,65	1,99	2,65
Sensible capacity in cooling mode	(1)	kW	0,96	1,06	1,49	1,65	2,10
Net sensible cooling capacity	(1)(6)(7)	kW	0,93	1,03	1,45	1,61	2,05
Net latent power in cooling	(1)(6)(7)	kW	0,15	0,25	0,20	0,38	0,59
Max water flow	(1)	l/s	0,05	0,06	0,08	0,10	0,13
Pressure Drop in cooling mode	(1)	kPa	0,9	9,7	2,9	14,7	7,2
Total capacity (heating mode)	(2)	kW	1,21	1,24	1,85	1,93	2,70
Total Net Heating Capacity	(2)(6)	kW	1,24	1,27	1,89	1,97	2,75
Water flow in heating mode	(2)	l/s	0,03	0,03	0,04	0,05	0,07
Pressure drop in heating mode	(2)	kPa	6,3	6,5	8,6	9,3	15,0
Sound Pressure	(3)	dB(A)	38	39	42	43	41
Sound Power	(4)(7)	dB(A)	47	48	51	52	50
MAX SPEED							
Fan Power Input	(1)	W	49,0	49,0	66,0	66,0	71,0
Air flow rate	(1)	m³/h	368	389	472	498	676
Total capacity in cooling mode	(1)	kW	1,41	1,65	2,11	2,48	3,27
Total Net Cooling Capacity	(1)(6)(7)	kW	1,36	1,60	2,04	2,42	3,20
Sensible capacity in cooling mode	(1)	kW	1,27	1,43	1,83	2,07	2,58
Net sensible cooling capacity	(1)(6)(7)	kW	1,22	1,38	1,76	2,00	2,51
Net latent power in cooling	(1)(6)(7)	kW	0,14	0,22	0,28	0,41	0,69
Max water flow	(1)	l/s	0,07	0,08	0,10	0,12	0,16
Pressure Drop in cooling mode	(1)	kPa	1,2	14,5	4,2	20,2	10,2
Total capacity (heating mode)	(2)	kW	1,55	1,60	2,23	2,33	3,33
Total Net Heating Capacity	(2)(6)	kW	1,60	1,65	2,30	2,40	3,40
Water flow in heating mode	(2)	l/s	0,04	0,04	0,05	0,06	0,08
Pressure drop in heating mode	(2)	kPa	9,4	9,9	11,8	12,7	21,2
Sound Pressure	(3)	dB(A)	45	46	48	49	48
Sound Power	(4)(7)	dB(A)	54	55	57	58	57
SIZE AND WEIGHT							
A	(5)	mm	922	922	1112	1112	1302
B	(5)	mm	233	233	233	233	233
H	(5)	mm	499	499	499	499	499
Operating weight	(5)	kg	17	18	21	22	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) 65°C/55°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 fron sound power level.
4 Sound power on the basis of measurements made in compliance with ISO 3741 and Eurovent 8/2.
5 Unit in standard configuration/execution, without optional accessories.
6 Values in compliance with EN14511
7 Values in compliance with [REGULATION (EU) N. 2016/2281]

Certified data in EUROVENT

a-LIFE3

0102 - 1004 1,41-6,45 kW

Fan-coil for professional applications, with cabinet or built-in version

a-LIFE3 / DLMV - DFMV / DLMO - DFMO			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
4 PIPES SYSTEM CONFIGURATION							
ENERGY EFFICIENCY							
COOLING (EN14511 VALUE)							
FCEER	(1)(6)	kW/kW	74	52	57	50	54
FCEER Class			D	E	D	E	E
HEATING ONLY (EN14511 VALUE)							
FCCOP	(2)(6)	kW/kW	73	49	51	49	50
FCCOP Class			D	E	E	E	E
PERFORMANCE							
MIN SPEED							
Fan Power Input	(1)	W	26,0	48,0	48,0	61,0	61,0
Air flow rate	(1)	m³/h	365	477	504	537	567
Total capacity in cooling mode	(1)	kW	2,23	2,95	3,21	3,43	3,69
Total Net Cooling Capacity	(1)(6)(7)	kW	2,21	2,90	3,16	3,37	3,63
Sensible capacity in cooling mode	(1)	kW	1,65	2,44	2,58	2,70	2,96
Net sensible cooling capacity	(1)(6)(7)	kW	1,62	2,39	2,53	2,64	2,90
Net latent power in cooling	(1)(6)(7)	kW	0,58	0,51	0,63	0,73	0,73
Max water flow	(1)	l/s	0,11	0,14	0,15	0,16	0,18
Pressure Drop in cooling mode	(1)	kPa	4,7	10,7	7,3	15,0	12,2
Total capacity (heating mode)	(2)	kW	2,13	2,64	2,76	3,18	3,29
Total Net Heating Capacity	(2)(6)	kW	2,16	2,69	2,81	3,24	3,35
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	10,1	3,9	4,2	4,9	5,2
Sound Pressure	(3)	dB(A)	33	39	39	39	39
Sound Power	(4)(7)	dB(A)	42	48	48	48	48
MED SPEED							
Fan Power Input	(1)	W	46,0	86,0	86,0	105	105
Air flow rate	(1)	m³/h	538	720	760	851	899
Total capacity in cooling mode	(1)	kW	3,10	4,03	4,49	5,02	5,37
Total Net Cooling Capacity	(1)(6)(7)	kW	3,06	3,95	4,41	4,92	5,27
Sensible capacity in cooling mode	(1)	kW	2,42	3,37	3,72	4,21	4,43
Net sensible cooling capacity	(1)(6)(7)	kW	2,37	3,28	3,63	4,11	4,32
Net latent power in cooling	(1)(6)(7)	kW	0,68	0,66	0,77	0,81	0,94
Max water flow	(1)	l/s	0,15	0,19	0,21	0,24	0,26
Pressure Drop in cooling mode	(1)	kPa	8,5	18,5	13,2	29,2	24,2
Total capacity (heating mode)	(2)	kW	2,86	3,59	3,75	4,50	4,66
Total Net Heating Capacity	(2)(6)	kW	2,90	3,68	3,84	4,61	4,76
Water flow in heating mode	(2)	l/s	0,07	0,09	0,09	0,11	0,11
Pressure drop in heating mode	(2)	kPa	16,4	6,5	7,0	8,8	9,3
Sound Pressure	(3)	dB(A)	41	47	47	49	50
Sound Power	(4)(7)	dB(A)	50	56	56	58	59
MAX SPEED							
Fan Power Input	(1)	W	71,0	130	130	146	146
Air flow rate	(1)	m³/h	713	966	1019	1104	1166
Total capacity in cooling mode	(1)	kW	3,77	4,78	5,33	5,97	6,45
Total Net Cooling Capacity	(1)(6)(7)	kW	3,70	4,65	5,20	5,83	6,31
Sensible capacity in cooling mode	(1)	kW	2,97	4,08	4,53	5,07	5,39
Net sensible cooling capacity	(1)(6)(7)	kW	2,90	3,95	4,40	4,92	5,24
Net latent power in cooling	(1)(6)(7)	kW	0,80	0,70	0,80	0,90	1,06
Max water flow	(1)	l/s	0,18	0,23	0,25	0,29	0,31
Pressure Drop in cooling mode	(1)	kPa	12,0	25,0	17,8	39,6	33,7
Total capacity (heating mode)	(2)	kW	3,53	4,47	4,67	5,45	5,65
Total Net Heating Capacity	(2)(6)	kW	3,60	4,60	4,80	5,60	5,80
Water flow in heating mode	(2)	l/s	0,09	0,11	0,11	0,13	0,14
Pressure drop in heating mode	(2)	kPa	23,4	9,4	10,1	12,1	12,9
Sound Pressure	(3)	dB(A)	49	53	54	55	56
Sound Power	(4)(7)	dB(A)	58	62	63	64	65
SIZE AND WEIGHT							
A	(5)	mm	1302	1492	1492	1682	1682
B	(5)	mm	233	233	233	233	233
H	(5)	mm	499	499	499	499	499
Operating weight	(5)	kg	30	32	34	37	39

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) 65°C/55°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 fron sound power level.
4 Sound power on the basis of measurements made in compliance with ISO 3741 and Eurovent 8/2.
5 Unit in standard configuration/execution, without optional accessories.
6 Values in compliance with EN14511
7 Values in compliance with [REGULATION (EU) N. 2016/2281]

Certified data in EUROVENT

Dimensional drawing