

TERMINALS

hydronic terminals

hydronic
terminals

i-LIFE 130÷640



High efficiency fan-coil with synchronous motor electronic switches, with cabinet or built-in version

1,91 - 7,47 kW

Unit Description

NEW i-LIFE fan-coil is powered by modulating speed centrifugal fan. This new generation of fan-coil guarantees air flow regulation from 0% to 100% and energy consumption is reduced by more than 50% respect traditional unit. Furthermore new commands are available to manage all functions offered by this range of terminal units.

Commands

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 coil valve unit (summer/winter - 2 pipes installation) and additional coil (winter - 4 pipes installation). Management of traditional ON/OFF valve unit or modulating valve unit 0-10V or 3 points (supply 230 VAC or 24V) . Air and water temperature probe. Multifunction digital input configurable by user. Configuration dip switch. Modbus protocol for installation in Building Management System (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 LIFE fan coil units. Easy control installation thanks to 2 wires connection.

Versions

DFI	built-in version, front air intake
DFU	version with cabinet, front air intake
DLI	built-in version, bottom air intake
DLU	version with cabinet, bottom air intake

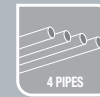
Features

Synchronous motor with permanent magnets electronic switches;
 Modulating centrifugal fan with fine regulation of the air flow;
 Four pipe system: 3+2 and 4+1 (number of rows for main + additional coil);
 Cabinet in galvanised steel with prevarnished finish for maximum resistance to rust;
 Air filter on all models;
 Automatically closing flap to cover and protect electric controls from dripping water (in conformity with directive 60335-2-40);

Main accessories

- Hot water coil kit 1 row and 2 rows
- Kit RS485 - interface for Building Management System
- Kit control board to manage 0-10V or 3 points modulating valve unit
- Main coil valve unit ON/OFF, 0-10 V, 3 points 2-way or 3-way
- Additional coil valve unit ON/OFF, PWM, 0-10 V, 3 points 3-way or 2-way
- Kit LIFE BOX

NEW!



i-LIFE / DLU

Modelli		130	140	230	240	330	340	430	440	530	540	630	640
Air flow rate													
Speed 1	m3/h	410	390	480	450	485	460	815	790	915	880	925	900
Speed 2	m3/h	360	340	410	380	415	390	680	660	780	750	790	770
Speed 3	m3/h	315	290	350	320	355	330	565	545	680	655	685	670
Speed 4	m3/h	270	250	300	270	305	280	470	455	585	560	590	560
Speed 5	m3/h	200	180	225	210	230	220	315	300	440	420	445	440
Speed 6	m3/h	105	95	120	110	130	120	200	190	310	295	320	305
Total output cooling capacity (1)													
Speed 1 (1)	kW	1,91	2,32	2,67	3,20	3,22	3,68	4,69	5,57	5,75	6,54	6,92	7,47
Speed 2 (1)	kW	1,75	2,10	2,37	2,81	2,86	3,23	4,14	4,87	5,13	5,80	6,16	6,57
Speed 3 (1)	kW	1,59	1,87	2,10	2,46	2,53	2,79	3,62	4,22	4,65	5,26	5,53	5,84
Speed 4 (1)	kW	1,42	1,67	1,85	2,13	2,24	2,42	3,16	3,65	4,15	4,63	4,88	5,08
Speed 5 (1)	kW	1,11	1,27	1,42	1,71	1,77	1,97	2,31	2,56	3,36	3,66	3,90	4,14
Speed 6 (1)	kW	0,70	0,75	0,88	1,00	1,06	1,16	1,56	1,64	2,53	2,72	2,95	2,95
Sensible output cooling capacity (1)													
Speed 1 (1)	kW	1,63	1,77	2,17	2,41	2,47	2,68	3,77	4,20	4,50	4,86	5,13	5,40
Speed 2 (1)	kW	1,47	1,58	1,91	2,09	2,17	2,34	3,27	3,62	3,96	4,27	4,52	4,72
Speed 3 (1)	kW	1,32	1,39	1,67	1,82	1,90	2,01	2,82	3,10	3,54	3,84	4,03	4,17
Speed 4 (1)	kW	1,16	1,23	1,46	1,56	1,67	1,73	2,42	2,66	3,12	3,35	3,53	3,59
Speed 5 (1)	kW	0,89	0,93	1,11	1,24	1,30	1,40	1,72	1,84	2,48	2,61	2,78	2,82
Speed 6 (1)	kW	0,53	0,54	0,66	0,70	0,77	0,77	1,15	1,18	1,84	1,91	2,07	1,95
Max Water flow (1)	l/h	330	400	460	550	550	630	800	960	990	1120	1190	1280
Max Pressure drop (1)	kPa	5	10	5	8	7	5	14	11	22	18	18	14
Total output heating capacity (2)													
Speed 1 (2)	kW	4,46	5,01	5,79	6,28	6,36	6,76	9,58	10,7	11,2	12,3	13,1	13,5
Speed 2 (2)	kW	4,04	4,49	5,12	5,44	5,60	5,85	8,33	9,18	9,88	10,7	11,4	11,8
Speed 3 (2)	kW	3,66	3,94	4,51	4,70	4,92	5,05	7,19	7,81	8,85	9,56	10,1	10,4
Speed 4 (2)	kW	3,25	3,49	3,98	4,05	4,33	4,36	6,20	6,69	7,83	8,34	8,88	8,85
Speed 5 (2)	kW	2,56	2,64	3,13	3,24	3,39	3,50	4,45	4,63	6,18	6,47	6,91	7,09
Speed 6 (2)	kW	1,50	1,49	1,81	1,78	2,04	1,94	3,00	3,05	4,58	4,70	5,12	4,44
Max Water flow (2)	l/h	390	440	510	550	560	590	840	930	980	1080	1150	1190
Max Pressure drop (2)	kPa	5	8	4	7	6	5	12	10	19	15	11	12
Total output heating capacity (3)													
Speed 1 (3)	kW	2,71	3,04	3,52	3,80	3,86	4,09	5,83	6,46	6,81	7,44	7,93	8,25
Speed 2 (3)	kW	2,46	2,72	3,11	3,30	3,40	3,54	5,06	5,57	6	6,50	6,93	7,19
Speed 3 (3)	kW	2,22	2,39	2,74	2,84	2,98	3,05	4,37	4,73	5,37	5,79	6,12	6,35
Speed 4 (3)	kW	1,97	2,11	2,41	2,45	2,62	2,63	3,76	4,05	4,75	5,05	5,37	5,33
Speed 5 (3)	kW	1,55	1,60	1,90	1,96	2,05	2,09	2,69	2,80	3,75	3,91	4,18	4,19
Speed 6 (3)	kW	0,91	0,90	1,10	1,05	1,23	1,14	1,82	1,80	2,77	2,81	3,05	2,90
Water flow Max (3)	l/h	470	530	610	660	670	710	1020	1130	1190	1300	1380	1440
Pressure drop Max (3)	kPa	5	8	5	7	6	5	13	10	20	16	16	12
Output supplementary coil (2)													
Speed 1 (2)	kW	1,48	-	2,12	-	2,48	-	3,48	-	4,11	-	4,52	-
Speed 2 (2)	kW	1,37	-	1,92	-	2,24	-	3,13	-	3,71	-	4,09	-
Speed 3 (2)	kW	1,26	-	1,74	-	2,02	-	2,78	-	3,40	-	3,72	-
Speed 4 (2)	kW	1,15	-	1,57	-	1,82	-	2,46	-	3,09	-	3,37	-
Speed 5 (2)	kW	0,95	-	1,30	-	1,50	-	1,92	-	2,55	-	2,78	-
Speed 6 (2)	kW	0,62	-	0,84	-	1,00	-	1,36	-	2,01	-	2,21	-
Water flow Max (2)	l/h	130	-	190	-	220	-	310	-	360	-	400	-
Pressure drop Max (2)	kPa	2	-	4	-	7	-	13	-	20	-	24	-
Sound pressure level (4)													
Speed 1 (4)	dB(A)	46	47	48	49	48	49	51	52	51	52	52	53
Speed 2 (4)	dB(A)	41	42	44	45	44	45	47	48	47	48	48	49
Speed 3 (4)	dB(A)	38	39	40	41	40	41	43	44	44	45	45	46
Speed 4 (4)	dB(A)	35	36	37	38	37	38	41	42	40	42	41	42
Speed 5 (4)	dB(A)	30	31	30	31	31	32	33	34	33	34	35	36
Speed 6 (4)	dB(A)	22	22	23	23	24	24	25	25	26	26	26	26
Water content	l	0,70	0,70	1	1	1,40	1,40	1,40	1	1,80	1,40	2,20	2,20
Fan	1 C	1 C	1 C	1 C	1 C	1 C	1 C	2 C	2 C	2 C	2 C	2 C	2 C
Water IN connection	inch	1/2" G F	1/2" G F	1/2" G F	1/2" G F	1/2" G F	1/2" G F	1/2" G F	1/2" G F	1/2" G F	1/2" G F	1/2" G F	1/2" G F
Water OUT connection	inch												
Max absorbed power	W	33	33	34	34	37	37	59	59	72	72	74	74
Min absorbed power	W	4	4	4	4	4	4	7	7	7	7	7	7
Max absorbed current	A	0,29	0,29	0,29	0,29	0,31	0,31	0,49	0,49	0,57	0,57	0,58	0,58
Electrical 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	230-1-50	230-1-50
DIMENSION													
With Cabinet													
L	(mm)	732	732	922	922	1112	1112	1112	1112	1302	1302	1492	1492
H	(mm)	541	541	541	541	541	541	541	541	541	541	541	541
P	(mm)	233	233	233	233	233	233	233	233	233	233	233	233
Weight	kg	18	18	22	22	26	26	28	28	32	32	38	38

Note:

- 1 Operation in cooling mode: room temperature 27°C d.b./19°C w.b., chilled water at inlet 7°C and at outlet 12°C
- 2 Operation in heating mode: room temperature 20°C d.b., hot water at inlet 70°C and at outlet 60°C
- 3 Operation in heating mode: room temperature 20°C d.b., hot water at inlet 50°C, with identical flow rate that in the cooling mode
- 4 Sound pressure in semianechoic room at 1 m from fan front and 1 m from the ground

i-LIFE / DFU

Modelli		130	140	230	240	330	340	430	440	530	540	630	640
Air flow rate													
Speed 1	m3/h	410	390	480	450	485	460	815	790	915	880	925	900
Speed 2	m3/h	360	340	410	380	415	390	680	660	780	750	790	770
Speed 3	m3/h	315	290	350	320	355	330	565	545	680	655	685	670
Speed 4	m3/h	270	250	300	270	305	280	470	455	585	560	590	560
Speed 5	m3/h	200	180	225	210	230	220	315	300	440	420	445	440
Speed 6	m3/h	105	95	120	110	130	120	200	190	310	295	320	305
Total output cooling capacity (1)													
Speed 1 (1)	kW	1,91	2,32	2,67	3,20	3,22	3,68	4,69	5,57	5,75	6,54	6,92	7,47
Speed 2 (1)	kW	1,75	2,10	2,37	2,81	2,86	3,23	4,14	4,87	5,13	5,80	6,16	6,57
Speed 3 (1)	kW	1,59	1,87	2,10	2,46	2,53	2,79	3,62	4,22	4,65	5,26	5,53	5,84
Speed 4 (1)	kW	1,42	1,67	1,85	2,13	2,24	2,42	3,16	3,65	4,15	4,63	4,88	5,08
Speed 5 (1)	kW	1,11	1,27	1,42	1,71	1,77	1,97	2,31	2,56	3,36	3,66	3,90	4,14
Speed 6 (1)	kW	0,70	0,75	0,88	1,00	1,06	1,16	1,56	1,64	2,53	2,72	2,95	2,95
Sensible output cooling capacity (1)													
Speed 1 (1)	kW	1,63	1,77	2,17	2,41	2,47	2,68	3,77	4,20	4,50	4,86	5,13	5,40
Speed 2 (1)	kW	1,47	1,58	1,91	2,09	2,17	2,34	3,27	3,62	3,96	4,27	4,52	4,72
Speed 3 (1)	kW	1,32	1,39	1,67	1,82	1,90	2,01	2,82	3,10	3,54	3,84	4,03	4,17
Speed 4 (1)	kW	1,16	1,23	1,46	1,56	1,67	1,73	2,42	2,66	3,12	3,35	3,53	3,59
Speed 5 (1)	kW	0,89	0,93	1,11	1,24	1,30	1,40	1,72	1,84	2,48	2,61	2,78	2,82
Speed 6 (1)	kW	0,53	0,54	0,66	0,70	0,77	0,77	1,15	1,18	1,84	1,91	2,07	1,95
Max Water flow (1)	l/h	330	400	460	550	550	630	800	960	990	1120	1190	1280
Max Pressure drop (1)	kPa	5	10	5	8	7	5	14	11	22	18	18	14
Total output heating capacity (2)													
Speed 1 (2)	kW	4,46	5,01	5,79	6,28	6,36	6,76	9,58	10,7	11,2	12,3	13,1	13,5
Speed 2 (2)	kW	4,04	4,49	5,12	5,44	5,60	5,85	8,33	9,18	9,88	10,7	11,4	11,8
Speed 3 (2)	kW	3,66	3,94	4,51	4,70	4,92	5,05	7,19	7,81	8,85	9,56	10,1	10,4
Speed 4 (2)	kW	3,25	3,49	3,98	4,05	4,33	4,36	6,20	6,69	7,83	8,34	8,88	8,85
Speed 5 (2)	kW	2,56	2,64	3,13	3,24	3,39	3,50	4,45	4,63	6,18	6,47	6,91	7,09
Speed 6 (2)	kW	1,50	1,49	1,81	1,78	2,04	1,94	3,00	3,05	4,58	4,70	5,12	4,44
Max Water flow (2)	l/h	390	440	510	550	560	590	840	930	980	1080	1150	1190
Max Pressure drop (2)	kPa	5	8	4	7	6	5	12	10	19	15	11	12
Total output heating capacity (3)													
Speed 1 (3)	kW	2,71	3,04	3,52	3,80	3,86	4,09	5,83	6,46	6,81	7,44	7,93	8,25
Speed 2 (3)	kW	2,46	2,72	3,11	3,30	3,40	3,54	5,06	5,57	6	6,50	6,93	7,19
Speed 3 (3)	kW	2,22	2,39	2,74	2,84	2,98	3,05	4,37	4,73	5,37	5,79	6,12	6,35
Speed 4 (3)	kW	1,97	2,11	2,41	2,45	2,62	2,63	3,76	4,05	4,75	5,05	5,37	5,33
Speed 5 (3)	kW	1,55	1,60	1,90	1,96	2,05	2,09	2,69	2,80	3,75	3,91	4,18	4,19
Speed 6 (3)	kW	0,91	0,90	1,10	1,05	1,23	1,14	1,82	1,80	2,77	2,81	3,05	2,90
Water flow Max (3)	l/h	470	530	610	660	670	710	1020	1130	1190	1300	1380	1440
Pressure drop Max (3)	kPa	5	8	5	7	6	5	13	10	20	16	16	12
Output supplementary coil (2)													
Speed 1 (2)	kW	1,48	-	2,12	-	2,48	-	3,48	-	4,11	-	4,52	-
Speed 2 (2)	kW	1,37	-	1,92	-	2,24	-	3,13	-	3,71	-	4,09	-
Speed 3 (2)	kW	1,26	-	1,74	-	2,02	-	2,78	-	3,40	-	3,72	-
Speed 4 (2)	kW	1,15	-	1,57	-	1,82	-	2,46	-	3,09	-	3,37	-
Speed 5 (2)	kW	0,95	-	1,30	-	1,50	-	1,92	-	2,55	-	2,78	-
Speed 6 (2)	kW	0,62	-	0,84	-	1,00	-	1,36	-	2,01	-	2,21	-
Water flow Max (2)	l/h	130	-	190	-	220	-	310	-	360	-	400	-
Pressure drop Max (2)	kPa	2	-	4	-	7	-	13	-	20	-	24	-
Sound pressure level (4)													
Speed 1 (4)	dB(A)	46	47	48	49	48	49	51	52	51	52	52	53
Speed 2 (4)	dB(A)	41	42	44	45	44	45	47	48	47	48	48	49
Speed 3 (4)	dB(A)	38	39	40	41	40	41	43	44	44	45	45	46
Speed 4 (4)	dB(A)	35	36	37	38	37	38	41	42	40	42	41	42
Speed 5 (4)	dB(A)	30	31	30	31	31	32	33	34	33	34	35	36
Speed 6 (4)	dB(A)	22	22	23	23	24	24	25	25	26	26	26	26
Water content	l	0,70	0,70	1	1	1,40	1,40	1,40	1	1,80	1,40	2,20	2,20
Fan		1 C	1 C	1 C	1 C	1 C	1 C	2 C	2 C	2 C	2 C	2 C	2 C
Water IN connection	inch	1/2" G F	1/2" G F	1/2" G F	1/2" G F	1/2" G F	1/2" G F	1/2" G F	1/2" G F	1/2" G F	1/2" G F	1/2" G F	1/2" G F
Water OUT connection	inch												
Max absorbed power	W	33	33	34	34	37	37	59	59	72	72	74	74
Min absorbed power	W	4	4	4	4	4	4	7	7	7	7	7	7
Max absorbed current	A	0,29	0,29	0,29	0,29	0,31	0,31	0,49	0,49	0,57	0,57	0,58	0,58
Electrical 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	230-1-50	230-1-50
DIMENSION													
With Cabinet													
L	(mm)	732	732	922	922	1112	1112	1112	1112	1302	1302	1492	1492
H	(mm)	541	541	541	541	541	541	541	541	541	541	541	541
P	(mm)	245	245	245	245	245	245	245	245	245	245	245	245
Weight	kg	18	18	22	22	26	26	28	28	32	32	38	38

Note:

- 1 Operation in cooling mode: room temperature 27°C d.b./19°C w.b., chilled water at inlet 7°C and at outlet 12°C
- 2 Operation in heating mode: room temperature 20°C d.b., hot water at inlet 70°C and at outlet 60°C
- 3 Operation in heating mode: room temperature 20°C d.b., hot water at inlet 50°C, with identical flow rate that in the cooling mode
- 4 Sound pressure in semianechoic room at 1 m from fan front and 1 m from the ground

i-LIFE / DLI

Modelli		130	140	230	240	330	340	430	440	530	540	630	640
Air flow rate													
Speed 1	m3/h	410	390	480	450	485	460	815	790	915	880	925	900
Speed 2	m3/h	360	340	410	380	415	390	680	660	780	750	790	770
Speed 3	m3/h	315	290	350	320	355	330	565	545	680	655	685	670
Speed 4	m3/h	270	250	300	270	305	280	470	455	585	560	590	560
Speed 5	m3/h	200	180	225	210	230	220	315	300	440	420	445	440
Speed 6	m3/h	105	95	120	110	130	120	200	190	310	295	320	305
Total output cooling capacity (1)													
Speed 1 (1)	kW	1,91	2,32	2,67	3,20	3,22	3,68	4,69	5,57	5,75	6,54	6,92	7,47
Speed 2 (1)	kW	1,75	2,10	2,37	2,81	2,86	3,23	4,14	4,87	5,13	5,80	6,16	6,57
Speed 3 (1)	kW	1,59	1,87	2,10	2,46	2,53	2,79	3,62	4,22	4,65	5,26	5,53	5,84
Speed 4 (1)	kW	1,42	1,67	1,85	2,13	2,24	2,42	3,16	3,65	4,15	4,63	4,88	5,08
Speed 5 (1)	kW	1,11	1,27	1,42	1,71	1,77	1,97	2,31	2,56	3,36	3,66	3,90	4,14
Speed 6 (1)	kW	0,70	0,75	0,88	1,00	1,06	1,16	1,56	1,64	2,53	2,72	2,95	2,95
Sensible output cooling capacity (1)													
Speed 1 (1)	kW	1,63	1,77	2,17	2,41	2,47	2,68	3,77	4,20	4,50	4,86	5,13	5,40
Speed 2 (1)	kW	1,47	1,58	1,91	2,09	2,17	2,34	3,27	3,62	3,96	4,27	4,52	4,72
Speed 3 (1)	kW	1,32	1,39	1,67	1,82	1,90	2,01	2,82	3,10	3,54	3,84	4,03	4,17
Speed 4 (1)	kW	1,16	1,23	1,46	1,56	1,67	1,73	2,42	2,66	3,12	3,35	3,53	3,59
Speed 5 (1)	kW	0,89	0,93	1,11	1,24	1,30	1,40	1,72	1,84	2,48	2,61	2,78	2,82
Speed 6 (1)	kW	0,53	0,54	0,66	0,70	0,77	0,77	1,15	1,18	1,84	1,91	2,07	1,95
Max Water flow (1)	l/h	330	400	460	550	550	630	800	960	990	1120	1190	1280
Max Pressure drop (1)	kPa	5	10	5	8	7	5	14	11	22	18	18	14
Total output heating capacity (2)													
Speed 1 (2)	kW	4,46	5,01	5,79	6,28	6,36	6,76	9,58	10,7	11,2	12,3	13,1	13,5
Speed 2 (2)	kW	4,04	4,49	5,12	5,44	5,60	5,85	8,33	9,18	9,88	10,7	11,4	11,8
Speed 3 (2)	kW	3,66	3,94	4,51	4,70	4,92	5,05	7,19	7,81	8,85	9,56	10,1	10,4
Speed 4 (2)	kW	3,25	3,49	3,98	4,05	4,33	4,36	6,20	6,69	7,83	8,34	8,88	8,85
Speed 5 (2)	kW	2,56	2,64	3,13	3,24	3,39	3,50	4,45	4,63	6,18	6,47	6,91	7,09
Speed 6 (2)	kW	1,50	1,49	1,81	1,78	2,04	1,94	3,00	3,05	4,58	4,70	5,12	4,44
Max Water flow (2)	l/h	390	440	510	550	560	590	840	930	980	1080	1150	1190
Max Pressure drop (2)	kPa	5	8	4	7	6	5	12	10	19	15	11	12
Total output heating capacity (3)													
Speed 1 (3)	kW	2,71	3,04	3,52	3,80	3,86	4,09	5,83	6,46	6,81	7,44	7,93	8,25
Speed 2 (3)	kW	2,46	2,72	3,11	3,30	3,40	3,54	5,06	5,57	6	6,50	6,93	7,19
Speed 3 (3)	kW	2,22	2,39	2,74	2,84	2,98	3,05	4,37	4,73	5,37	5,79	6,12	6,35
Speed 4 (3)	kW	1,97	2,11	2,41	2,45	2,62	2,63	3,76	4,05	4,75	5,05	5,37	5,33
Speed 5 (3)	kW	1,55	1,60	1,90	1,96	2,05	2,09	2,69	2,80	3,75	3,91	4,18	4,19
Speed 6 (3)	kW	0,91	0,90	1,10	1,05	1,23	1,14	1,82	1,80	2,77	2,81	3,05	2,90
Water flow Max (3)	l/h	470	530	610	660	670	710	1020	1130	1190	1300	1380	1440
Pressure drop Max (3)	kPa	5	8	5	7	6	5	13	10	20	16	16	12
Output supplementary coil (2)													
Speed 1 (2)	kW	1,48	-	2,12	-	2,48	-	3,48	-	4,11	-	4,52	-
Speed 2 (2)	kW	1,37	-	1,92	-	2,24	-	3,13	-	3,71	-	4,09	-
Speed 3 (2)	kW	1,26	-	1,74	-	2,02	-	2,78	-	3,40	-	3,72	-
Speed 4 (2)	kW	1,15	-	1,57	-	1,82	-	2,46	-	3,09	-	3,37	-
Speed 5 (2)	kW	0,95	-	1,30	-	1,50	-	1,92	-	2,55	-	2,78	-
Speed 6 (2)	kW	0,62	-	0,84	-	1,00	-	1,36	-	2,01	-	2,21	-
Water flow Max (2)	l/h	130	-	190	-	220	-	310	-	360	-	400	-
Pressure drop Max (2)	kPa	2	-	4	-	7	-	13	-	20	-	24	-
Sound pressure level (4)													
Speed 1 (4)	dB(A)	46	47	48	49	48	49	51	52	51	52	52	53
Speed 2 (4)	dB(A)	41	42	44	45	44	45	47	48	47	48	48	49
Speed 3 (4)	dB(A)	38	39	40	41	40	41	43	44	44	45	45	46
Speed 4 (4)	dB(A)	35	36	37	38	37	38	41	42	40	42	41	42
Speed 5 (4)	dB(A)	30	31	30	31	31	32	33	34	33	34	35	36
Speed 6 (4)	dB(A)	22	22	23	23	24	24	25	25	26	26	26	26
Water content	l	0,70	0,70	1	1	1,40	1,40	1,40	1	1,80	1,40	2,20	2,20
Fan	1 C	1 C	1 C	1 C	1 C	1 C	1 C	2 C	2 C	2 C	2 C	2 C	2 C
Water IN connection	inch	1/2"G F	1/2"G F	1/2"G F	1/2"G F	1/2"G F	1/2"G F	1/2"G F	1/2"G F	1/2"G F	1/2"G F	1/2"G F	1/2"G F
Water OUT connection	inch												
Max absorbed power	W	33	33	34	34	37	37	59	59	72	72	74	74
Min absorbed power	W	4	4	4	4	4	4	7	7	7	7	7	7
Max absorbed current	A	0,29	0,29	0,29	0,29	0,31	0,31	0,49	0,49	0,57	0,57	0,58	0,58
Electrical 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	230-1-50	230-1-50
DIMENSION													
With Cabinet													
L	(mm)	411	411	601	601	791	791	791	791	981	981	1171	1171
H	(mm)	495	495	495	495	495	495	495	495	495	495	495	495
P	(mm)	225	225	225	225	225	225	225	225	225	225	225	225
Weight	kg	12	14	15	17	18	20	20	22	23	25	27	29

Note:

- 1 Operation in cooling mode: room temperature 27°C d.b./19°C w.b., chilled water at inlet 7°C and at outlet 12°C
- 2 Operation in heating mode: room temperature 20°C d.b., hot water at inlet 70°C and at outlet 60°C
- 3 Operation in heating mode: room temperature 20°C d.b., hot water at inlet 50°C, with identical flow rate that in the cooling mode
- 4 Sound pressure in semianechoic room at 1 m from fan front and 1 m from the ground

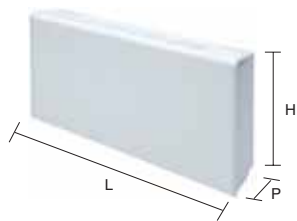
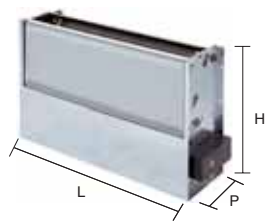
i-LIFE / DFI

Modelli		130	140	230	240	330	340	430	440	530	540	630	640
Air flow rate													
Speed 1	m3/h	410	390	480	450	485	460	815	790	915	880	925	900
Speed 2	m3/h	360	340	410	380	415	390	680	660	780	750	790	770
Speed 3	m3/h	315	290	350	320	355	330	565	545	680	655	685	670
Speed 4	m3/h	270	250	300	270	305	280	470	455	585	560	590	560
Speed 5	m3/h	200	180	225	210	230	220	315	300	440	420	445	440
Speed 6	m3/h	105	95	120	110	130	120	200	190	310	295	320	305
Total output cooling capacity (1)													
Speed 1 (1)	kW	1,91	2,32	2,67	3,20	3,22	3,68	4,69	5,57	5,75	6,54	6,92	7,47
Speed 2 (1)	kW	1,75	2,10	2,37	2,81	2,86	3,23	4,14	4,87	5,13	5,80	6,16	6,57
Speed 3 (1)	kW	1,59	1,87	2,10	2,46	2,53	2,79	3,62	4,22	4,65	5,26	5,53	5,84
Speed 4 (1)	kW	1,42	1,67	1,85	2,13	2,24	2,42	3,16	3,65	4,15	4,63	4,88	5,08
Speed 5 (1)	kW	1,11	1,27	1,42	1,71	1,77	1,97	2,31	2,56	3,36	3,66	3,90	4,14
Speed 6 (1)	kW	0,70	0,75	0,88	1,00	1,06	1,16	1,56	1,64	2,53	2,72	2,95	2,95
Sensible output cooling capacity (1)													
Speed 1 (1)	kW	1,63	1,77	2,17	2,41	2,47	2,68	3,77	4,20	4,50	4,86	5,13	5,40
Speed 2 (1)	kW	1,47	1,58	1,91	2,09	2,17	2,34	3,27	3,62	3,96	4,27	4,52	4,72
Speed 3 (1)	kW	1,32	1,39	1,67	1,82	1,90	2,01	2,82	3,10	3,54	3,84	4,03	4,17
Speed 4 (1)	kW	1,16	1,23	1,46	1,56	1,67	1,73	2,42	2,66	3,12	3,35	3,53	3,59
Speed 5 (1)	kW	0,89	0,93	1,11	1,24	1,30	1,40	1,72	1,84	2,48	2,61	2,78	2,82
Speed 6 (1)	kW	0,53	0,54	0,66	0,70	0,77	0,77	1,15	1,18	1,84	1,91	2,07	1,95
Max Water flow (1)	l/h	330	400	460	550	550	630	800	960	990	1120	1190	1280
Max Pressure drop (1)	kPa	5	10	5	8	7	5	14	11	22	18	18	14
Total output heating capacity (2)													
Speed 1 (2)	kW	4,46	5,01	5,79	6,28	6,36	6,76	9,58	10,7	11,2	12,3	13,1	13,5
Speed 2 (2)	kW	4,04	4,49	5,12	5,44	5,60	5,85	8,33	9,18	9,88	10,7	11,4	11,8
Speed 3 (2)	kW	3,66	3,94	4,51	4,70	4,92	5,05	7,19	7,81	8,85	9,56	10,1	10,4
Speed 4 (2)	kW	3,25	3,49	3,98	4,05	4,33	4,36	6,20	6,69	7,83	8,34	8,88	8,85
Speed 5 (2)	kW	2,56	2,64	3,13	3,24	3,39	3,50	4,45	4,63	6,18	6,47	6,91	7,09
Speed 6 (2)	kW	1,50	1,49	1,81	1,78	2,04	1,94	3,00	3,05	4,58	4,70	5,12	4,44
Max Water flow (2)	l/h	390	440	510	550	560	590	840	930	980	1080	1150	1190
Max Pressure drop (2)	kPa	5	8	4	7	6	5	12	10	19	15	11	12
Total output heating capacity (3)													
Speed 1 (3)	kW	2,71	3,04	3,52	3,80	3,86	4,09	5,83	6,46	6,81	7,44	7,93	8,25
Speed 2 (3)	kW	2,46	2,72	3,11	3,30	3,40	3,54	5,06	5,57	6	6,50	6,93	7,19
Speed 3 (3)	kW	2,22	2,39	2,74	2,84	2,98	3,05	4,37	4,73	5,37	5,79	6,12	6,35
Speed 4 (3)	kW	1,97	2,11	2,41	2,45	2,62	2,63	3,76	4,05	4,75	5,05	5,37	5,33
Speed 5 (3)	kW	1,55	1,60	1,90	1,96	2,05	2,09	2,69	2,80	3,75	3,91	4,18	4,19
Speed 6 (3)	kW	0,91	0,90	1,10	1,05	1,23	1,14	1,82	1,80	2,77	2,81	3,05	2,90
Water flow Max (3)	l/h	470	530	610	660	670	710	1020	1130	1190	1300	1380	1440
Pressure drop Max (3)	kPa	5	8	5	7	6	5	13	10	20	16	16	12
Output supplementary coil (2)													
Speed 1 (2)	kW	1,48	-	2,12	-	2,48	-	3,48	-	4,11	-	4,52	-
Speed 2 (2)	kW	1,37	-	1,92	-	2,24	-	3,13	-	3,71	-	4,09	-
Speed 3 (2)	kW	1,26	-	1,74	-	2,02	-	2,78	-	3,40	-	3,72	-
Speed 4 (2)	kW	1,15	-	1,57	-	1,82	-	2,46	-	3,09	-	3,37	-
Speed 5 (2)	kW	0,95	-	1,30	-	1,50	-	1,92	-	2,55	-	2,78	-
Speed 6 (2)	kW	0,62	-	0,84	-	1,00	-	1,36	-	2,01	-	2,21	-
Water flow Max (2)	l/h	130	-	190	-	220	-	310	-	360	-	400	-
Pressure drop Max (2)	kPa	2	-	4	-	7	-	13	-	20	-	24	-
Sound pressure level (4)													
Speed 1 (4)	dB(A)	46	47	48	49	48	49	51	52	51	52	52	53
Speed 2 (4)	dB(A)	41	42	44	45	44	45	47	48	47	48	48	49
Speed 3 (4)	dB(A)	38	39	40	41	40	41	43	44	44	45	45	46
Speed 4 (4)	dB(A)	35	36	37	38	37	38	41	42	40	42	41	42
Speed 5 (4)	dB(A)	30	31	30	31	31	32	33	34	33	34	35	36
Speed 6 (4)	dB(A)	22	22	23	23	24	24	25	25	26	26	26	26
Water content	l	0,70	0,70	1	1	1,40	1,40	1,40	1	1,80	1,40	2,20	2,20
Fan		1 C	1 C	1 C	1 C	1 C	1 C	2 C	2 C	2 C	2 C	2 C	2 C
Water IN connection	inch	1/2" G F	1/2" G F	1/2" G F	1/2" G F	1/2" G F	1/2" G F	1/2" G F	1/2" G F	1/2" G F	1/2" G F	1/2" G F	1/2" G F
Water OUT connection	inch												
Max absorbed power	W	33	33	34	34	37	37	59	59	72	72	74	74
Min absorbed power	W	4	4	4	4	4	4	7	7	7	7	7	7
Max absorbed current	A	0,29	0,29	0,29	0,29	0,31	0,31	0,49	0,49	0,57	0,57	0,58	0,58
Electrical 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	230-1-50	230-1-50
DIMENSION													
With Cabinet													
L	(mm)	411	411	601	601	791	791	791	791	981	981	1171	1171
H	(mm)	495	495	495	495	495	495	495	495	495	495	495	495
P	(mm)	225	225	225	225	225	225	225	225	225	225	225	225
Weight	kg	12	14	15	17	18	20	20	22	23	25	27	29

Note:

- 1 Operation in cooling mode: room temperature 27°C d.b./19°C w.b., chilled water at inlet 7°C and at outlet 12°C
- 2 Operation in heating mode: room temperature 20°C d.b., hot water at inlet 70°C and at outlet 60°C
- 3 Operation in heating mode: room temperature 20°C d.b., hot water at inlet 50°C, with identical flow rate that in the cooling mode
- 4 Sound pressure in semianechoic room at 1 m from fan front and 1 m from the ground

Dimension



a-LIFE 120÷840



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

1,45 - 11,9 kW

Unit Description

a-LIFE fan-coil has been specifically developed to adapt to every ambient thanks to its modern and minimal design, which is a result of the full experience and know-how Climaveneta has in this range of products.

Commands

NS plug-in/NSW 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). Setting for minimum temperature thermostat.

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 pipes installation), ON/OFF second valve unit control (winter for 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 Building Management System.

Versions

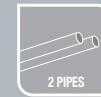
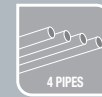
DFI	built-in version, front air intake
DFU	version with cabinet, front air intake
DLI	built-in version, bottom air intake
DLU	version with cabinet, bottom air intake

Features

Low noise centrifugal fan, with double intake and forward blade;
 Four pipe system: 3+2 and 4+1 (number of rows for main + additional coil);
 6-speed autotransformer;
 Air filter on all models;
 Cabinet in galvanised steel with prevarnished finish for maximum resistance to rust;
 Automatically closing flap to cover and protect electric controls from dripping water (in conformity with directive 60335-2-40);

Main accessories

- Hot water coil kit 1 row and 2 rows
- Kit RS485 - interface for Building Management System
- Kit control board to manage 0-10V or 3 points modulating valve unit
- Main coil valve unit ON/OFF, 0-10 V, 3 points 2-way or 3-way
- Additional coil valve unit ON/OFF, PWM, 0-10 V, 3 points 3-way or 2-way
- Kit LIFE BOX
- Straight and angular (90°) plenum kits for air inlet
- Straight and angular (90°) plenum kits for air outlet
- Plenum kit with round air ducts for plenum kit
- Electric heaters



a-LIFE / DLU

Modelli		120	130	140	220	230	240	320	330	340	420	430
Air flow rate												
Speed 1	m3/h	430	410	390	500	480	450	510	485	460	830	815
Speed 2	m3/h	390	360	340	430	410	380	440	415	390	700	680
Speed 3	m3/h	330	315	290	365	350	320	375	355	330	580	565
Speed 4	m3/h	290	270	250	310	300	270	320	305	280	480	470
Speed 5	m3/h	220	200	180	240	225	210	250	230	220	330	315
Speed 6	m3/h	180	175	160	210	200	180	220	205	190	280	270
Total output cooling capacity (1)												
Speed 1 (1)	kW	1,45	1,91	2,32	2,13	2,67	3,20	2,76	3,22	3,68	3,77	4,69
Speed 2 (1)	kW	1,37	1,75	2,10	1,93	2,37	2,81	2,49	2,86	3,23	3,39	4,14
Speed 3 (1)	kW	1,24	1,59	1,87	1,72	2,10	2,46	2,23	2,53	2,79	3	3,62
Speed 4 (1)	kW	1,14	1,42	1,67	1,53	1,85	2,13	1,99	2,24	2,42	2,64	3,16
Speed 5 (1)	kW	0,96	1,11	1,27	1,26	1,42	1,71	1,65	1,77	1,97	2,02	2,31
Speed 6 (1)	kW	0,84	0,97	1,16	1,13	1,23	1,48	1,49	1,59	1,64	1,79	2,03
Sensible output cooling capacity (1)												
Speed 1 (1)	kW	1,36	1,63	1,77	1,89	2,17	2,41	2,26	2,47	2,68	3,25	3,77
Speed 2 (1)	kW	1,27	1,47	1,58	1,68	1,91	2,09	2,01	2,17	2,34	2,86	3,27
Speed 3 (1)	kW	1,13	1,32	1,39	1,48	1,67	1,82	1,77	1,90	2,01	2,48	2,82
Speed 4 (1)	kW	1,03	1,16	1,23	1,30	1,46	1,56	1,56	1,67	1,73	2,15	2,42
Speed 5 (1)	kW	0,83	0,89	0,93	1,04	1,11	1,24	1,27	1,30	1,40	1,59	1,72
Speed 6 (1)	kW	0,71	0,78	0,84	0,93	0,97	1,07	1,14	1,17	1,18	1,39	1,50
Max Water flow (1)	l/h	250	330	400	370	460	550	470	550	630	650	800
Max Pressure drop (1)	kPa	12	5	10	6	5	8	11	7	5	19	14
Total output heating capacity (2)												
Speed 1 (2)	kW	3,25	4,46	5,01	4,77	5,79	6,28	5,40	6,36	6,76	7,68	9,58
Speed 2 (2)	kW	3,04	4,04	4,49	4,28	5,12	5,44	4,84	5,60	5,85	6,81	8,33
Speed 3 (2)	kW	2,72	3,66	3,94	3,79	4,51	4,70	4,28	4,92	5,05	5,94	7,19
Speed 4 (2)	kW	2,49	3,25	3,49	3,36	3,98	4,05	3,79	4,33	4,36	5,16	6,20
Speed 5 (2)	kW	2,05	2,56	2,64	2,76	3,13	3,24	3,11	3,39	3,50	3,88	4,45
Speed 6 (2)	kW	1,77	2,30	2,38	2,49	2,83	2,82	2,81	3,07	3,05	3,41	3,90
Max Water flow (2)	l/h	350	390	440	420	510	550	470	560	590	670	840
Max Pressure drop (2)	kPa	10	5	8	5	4	7	9	6	5	16	12
Total output heating capacity (3)												
Speed 1 (3)	kW	1,98	2,71	3,04	2,91	3,52	3,80	3,29	3,86	4,09	4,69	5,83
Speed 2 (3)	kW	1,86	2,46	2,72	2,61	3,11	3,30	2,94	3,40	3,54	4,15	5,06
Speed 3 (3)	kW	1,66	2,22	2,39	2,31	2,74	2,84	2,60	2,98	3,05	3,62	4,37
Speed 4 (3)	kW	1,52	1,97	2,11	2,04	2,41	2,45	2,30	2,62	2,63	3,14	3,76
Speed 5 (3)	kW	1,25	1,55	1,60	1,68	1,90	1,96	1,89	2,05	2,09	2,36	2,69
Speed 6 (3)	kW	1,08	1,39	1,44	1,51	1,72	1,70	1,71	1,85	1,80	2,07	2,36
Water flow Max (3)	l/h	350	470	530	510	610	660	570	670	710	820	1020
Pressure drop Max (3)	kPa	11	5	8	5	5	7	10	6	5	17	13
Output supplementary coil (2)												
Speed 1 (2)	kW	1,48	1,48	-	2,12	2,12	-	2,48	2,48	-	3,48	3,48
Speed 2 (2)	kW	1,37	1,37	-	1,92	1,92	-	2,24	2,24	-	3,13	3,13
Speed 3 (2)	kW	1,26	1,26	-	1,74	1,74	-	2,02	2,02	-	2,78	2,78
Speed 4 (2)	kW	1,15	1,15	-	1,57	1,57	-	1,82	1,82	-	2,46	2,46
Speed 5 (2)	kW	0,95	0,95	-	1,30	1,30	-	1,50	1,50	-	1,92	1,92
Speed 6 (2)	kW	0,87	0,87	-	1,20	1,20	-	1,39	1,39	-	1,72	1,72
Water flow Max (2)	l/h	130	130	-	190	190	-	220	220	-	310	310
Pressure drop Max (2)	kPa	2	2	-	4	4	-	7	7	-	13	13
Sound pressure level (4)												
Speed 1 (4)	dB(A)	46	46	47	48	48	49	48	48	49	51	51
Speed 2 (4)	dB(A)	41	41	42	44	44	45	44	44	45	47	47
Speed 3 (4)	dB(A)	38	38	39	40	40	41	40	40	41	43	43
Speed 4 (4)	dB(A)	35	35	36	37	37	38	37	37	38	41	41
Speed 5 (4)	dB(A)	30	30	31	30	30	31	31	31	32	33	33
Speed 6 (4)	dB(A)	28	28	29	29	29	30	29	29	30	30	30
Water content	l	0,50	0,70	0,70	0,70	1	1	1	1,40	1,40	1	1,40
Fan		1 C	1 C	1 C	1 C	1 C	1 C	1 C	1 C	1 C	2 C	2 C
Water IN connection	inch	1/2" G F	1/2" G F	1/2" G F	1/2" G F	1/2" G F	1/2" G F	1/2" G F	1/2" G F	1/2" G F	1/2" G F	1/2" G F
Water OUT connection	inch											
Max absorbed power	W	66	66	66	77	77	77	93	93	93	130	130
Max absorbed current	A	0,29	0,29	0,29	0,30	0,30	0,30	0,41	0,41	0,41	0,57	0,57
Electrical 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	230-1-50
DIMENSION												
With Cabinet												
L	(mm)	732	732	732	922	922	922	1112	1112	1112	1112	1112
H	(mm)	541	541	541	541	541	541	541	541	541	541	541
P	(mm)	233	233	233	233	233	233	233	233	233	233	233
Weight	kg	18	18	18	22	22	22	26	26	26	28	28

Modelli		440	520	530	540	620	630	640	720	730	740
Air flow rate											
Speed 1	m3/h	790	950	915	880	940	925	900	1360	1310	1260
Speed 2	m3/h	660	815	780	750	810	790	770	1150	1090	1070
Speed 3	m3/h	454	710	680	655	710	685	670	970	920	880
Speed 4	m3/h	455	610	585	560	600	590	560	790	740	700
Speed 5	m3/h	300	460	440	420	460	445	440	640	590	570
Speed 6	m3/h	260	400	390	380	410	400	390	480	440	430
Total output cooling capacity (1)											
Speed 1 (1)	kW	5,57	4,66	5,75	6,54	5,18	6,92	7,47	6,59	8,94	9,64
Speed 2 (1)	kW	4,87	4,21	5,13	5,80	4,68	6,16	6,57	5,92	7,81	8,54
Speed 3 (1)	kW	4,22	3,84	4,65	5,26	4,26	5,53	5,84	5,29	6,89	7,30
Speed 4 (1)	kW	3,65	3,45	4,15	4,63	3,77	4,88	5,08	4,60	5,87	6,02
Speed 5 (1)	kW	2,56	2,81	3,36	3,66	3,09	3,90	4,14	3,96	4,88	5,13
Speed 6 (1)	kW	2,28	2,52	3,05	3,38	2,83	3,58	3,71	3,20	3,87	4,03
Sensible output cooling capacity (1)											
Speed 1 (1)	kW	4,20	3,95	4,50	4,86	4,23	5,13	5,40	5,61	6,81	7,12
Speed 2 (1)	kW	3,62	3,51	3,96	4,27	3,76	4,52	4,72	4,94	5,86	6,24
Speed 3 (1)	kW	3,10	3,15	3,54	3,84	3,38	4,03	4,17	4,33	5,11	5,28
Speed 4 (1)	kW	2,66	2,79	3,12	3,35	2,95	3,53	3,59	3,68	4,30	4,31
Speed 5 (1)	kW	1,84	2,22	2,48	2,61	2,37	2,78	2,82	3,11	3,53	3,63
Speed 6 (1)	kW	1,63	1,97	2,24	2,40	2,15	2,54	2,50	2,45	2,75	2,82
Max Water flow (1)	l/h	960	800	990	1120	890	1190	1280	1130	1530	1650
Max Pressure drop (1)	kPa	11	11	22	18	16	18	14	24	27	23
Total output heating capacity (2)											
Speed 1 (2)	kW	10,7	9,92	11,2	12,3	10,8	13,1	13,5	13,7	17,4	18
Speed 2 (2)	kW	9,18	8,86	9,88	10,7	9,61	11,4	11,8	12,2	15	15,7
Speed 3 (2)	kW	7,81	7,98	8,85	9,56	8,68	10,1	10,4	10,7	13	13,3
Speed 4 (2)	kW	6,69	7,11	7,83	8,34	7,61	8,88	8,85	9,16	10,8	10,8
Speed 5 (2)	kW	4,63	5,70	6,18	6,47	6,15	6,91	7,09	7,78	8,88	8,99
Speed 6 (2)	kW	4,07	5,09	5,58	5,91	5,59	6,28	6,33	6,18	6,84	6,94
Max Water flow (2)	l/h	930	870	980	1080	950	1150	1190	1210	1530	1580
Max Pressure drop (2)	kPa	10	10	19	15	14	11	12	21	22	19
Total output heating capacity (3)											
Speed 1 (3)	kW	6,46	6,04	6,81	7,44	6,67	7,93	8,25	8,37	10,6	11
Speed 2 (3)	kW	5,57	5,39	6	6,50	5,93	6,93	7,19	7,40	9,10	9,55
Speed 3 (3)	kW	4,73	4,86	5,37	5,79	5,33	6,12	6,35	6,52	7,89	8,05
Speed 4 (3)	kW	4,05	4,32	4,75	5,05	4,73	5,37	5,33	5,57	6,55	6,57
Speed 5 (3)	kW	2,80	3,46	3,75	3,91	3,77	4,18	4,19	4,73	5,37	5,42
Speed 6 (3)	kW	2,46	3,09	3,38	3,57	3,36	3,79	3,72	3,75	4,13	4,10
Water flow Max (3)	l/h	1130	1050	1190	1300	1160	1380	1440	1460	1850	1920
Pressure drop Max (3)	kPa	10	10	20	16	14	16	12	22	24	21
Output supplementary coil (2)											
Speed 1 (2)	kW	-	4,11	4,11	-	4,52	4,52	-	5,62	5,62	-
Speed 2 (2)	kW	-	3,71	3,71	-	4,09	4,09	-	5,02	5,02	-
Speed 3 (2)	kW	-	3,40	3,40	-	3,72	3,72	-	4,51	4,51	-
Speed 4 (2)	kW	-	3,09	3,09	-	3,37	3,37	-	3,92	3,92	-
Speed 5 (2)	kW	-	2,55	2,55	-	2,78	2,78	-	3,37	3,37	-
Speed 6 (2)	kW	-	2,35	2,35	-	2,59	2,59	-	2,76	2,76	-
Water flow Max (2)	l/h	-	360	360	-	400	400	-	490	490	-
Pressure drop Max (2)	kPa	-	20	20	-	24	24	-	35	35	-
Sound pressure level (4)											
Speed 1 (4)	dB(A)	52	51	51	52	52	52	53	54	54	55
Speed 2 (4)	dB(A)	48	47	47	48	48	48	49	49	49	50
Speed 3 (4)	dB(A)	44	44	44	45	45	45	46	46	46	47
Speed 4 (4)	dB(A)	42	40	40	42	41	41	42	41	41	42
Speed 5 (4)	dB(A)	34	33	33	34	35	35	36	36	36	37
Speed 6 (4)	dB(A)	31	30	30	31	33	33	34	33	33	34
Water content	l	1	1,20	1,80	1,40	1,50	2,20	2,20	1,50	2,20	2,20
Fan	2 C	2 C	2 C	2 C	2 C	2 C	2 C	2 C	3 C	3 C	3 C
Water IN connection	inch	1/2" G F	1/2" G F	1/2" G F	1/2" G F	1/2" G F	1/2" G F	1/2" G F	1/2" G F	1/2" G F	1/2" G F
Water OUT connection	inch										
Max absorbed power	W	130	150	150	150	165	165	165	245	245	245
Max absorbed current	A	0,57	0,60	0,60	0,60	0,73	0,73	0,73	1,10	1,10	1,10
Electrical 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
DIMENSION											
With Cabinet											
L	(mm)	1112	1302	1302	1302	1492	1492	1492	1492	1492	1492
H	(mm)	541	541	541	541	541	541	541	541	541	541
P	(mm)	233	233	233	233	233	233	233	233	233	233
Weight	kg	28	32	32	32	38	38	38	43	43	43

Note:

- 1 Operation in cooling mode: room temperature 27°C d.b./19°C w.b., chilled water at inlet 7°C and at outlet 12°C
- 2 Operation in heating mode: room temperature 20°C d.b., hot water at inlet 70°C and at outlet 60°C
- 3 Operation in heating mode: room temperature 20°C d.b., hot water at inlet 50°C, with identical flow rate that in the cooling mode
- 4 Sound pressure in semianechoic room at 1 m from fan front and 1 m from the ground

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Modelli		120	130	140	220	230	240	320	330	340	420	430
Air flow rate												
Speed 1	m3/h	430	410	390	500	480	450	510	485	460	830	815
Speed 2	m3/h	390	360	340	430	410	380	440	415	390	700	680
Speed 3	m3/h	330	315	290	365	350	320	375	355	330	580	565
Speed 4	m3/h	290	270	250	310	300	270	320	305	280	480	470
Speed 5	m3/h	220	200	180	240	225	210	250	230	220	330	315
Speed 6	m3/h	180	175	160	210	200	180	220	205	190	280	270
Total output cooling capacity (1)												
Speed 1 (1)	kW	1,45	1,91	2,32	2,13	2,67	3,20	2,76	3,22	3,68	3,77	4,69
Speed 2 (1)	kW	1,37	1,75	2,10	1,93	2,37	2,81	2,49	2,86	3,23	3,39	4,14
Speed 3 (1)	kW	1,24	1,59	1,87	1,72	2,10	2,46	2,23	2,53	2,79	3	3,62
Speed 4 (1)	kW	1,14	1,42	1,67	1,53	1,85	2,13	1,99	2,24	2,42	2,64	3,16
Speed 5 (1)	kW	0,96	1,11	1,27	1,26	1,42	1,71	1,65	1,77	1,97	2,02	2,31
Speed 6 (1)	kW	0,84	0,97	1,16	1,13	1,23	1,48	1,49	1,59	1,64	1,79	2,03
Sensible output cooling capacity (1)												
Speed 1 (1)	kW	1,36	1,63	1,77	1,89	2,17	2,41	2,26	2,47	2,68	3,25	3,77
Speed 2 (1)	kW	1,27	1,47	1,58	1,68	1,91	2,09	2,01	2,17	2,34	2,86	3,27
Speed 3 (1)	kW	1,13	1,32	1,39	1,48	1,67	1,82	1,77	1,90	2,01	2,48	2,82
Speed 4 (1)	kW	1,03	1,16	1,23	1,30	1,46	1,56	1,56	1,67	1,73	2,15	2,42
Speed 5 (1)	kW	0,83	0,89	0,93	1,04	1,11	1,24	1,27	1,30	1,40	1,59	1,72
Speed 6 (1)	kW	0,71	0,78	0,84	0,93	0,97	1,07	1,14	1,17	1,18	1,39	1,50
Max Water flow (1)	l/h	250	330	400	370	460	550	470	550	630	650	800
Max Pressure drop (1)	kPa	12	5	10	6	5	8	11	7	5	19	14
Total output heating capacity (2)												
Speed 1 (2)	kW	3,25	4,46	5,01	4,77	5,79	6,28	5,40	6,36	6,76	7,68	9,58
Speed 2 (2)	kW	3,04	4,04	4,49	4,28	5,12	5,44	4,84	5,60	5,85	6,81	8,33
Speed 3 (2)	kW	2,72	3,66	3,94	3,79	4,51	4,70	4,28	4,92	5,05	5,94	7,19
Speed 4 (2)	kW	2,49	3,25	3,49	3,36	3,98	4,05	3,79	4,33	4,36	5,16	6,20
Speed 5 (2)	kW	2,05	2,56	2,64	2,76	3,13	3,24	3,11	3,39	3,50	3,88	4,45
Speed 6 (2)	kW	1,77	2,30	2,38	2,49	2,83	2,82	2,81	3,07	3,05	3,41	3,90
Max Water flow (2)	l/h	350	390	440	420	510	550	470	560	590	670	840
Max Pressure drop (2)	kPa	10	5	8	5	4	7	9	6	5	16	12
Total output heating capacity (3)												
Speed 1 (3)	kW	1,98	2,71	3,04	2,91	3,52	3,80	3,29	3,86	4,09	4,69	5,83
Speed 2 (3)	kW	1,86	2,46	2,72	2,61	3,11	3,30	2,94	3,40	3,54	4,15	5,06
Speed 3 (3)	kW	1,66	2,22	2,39	2,31	2,74	2,84	2,60	2,98	3,05	3,62	4,37
Speed 4 (3)	kW	1,52	1,97	2,11	2,04	2,41	2,45	2,30	2,62	2,63	3,14	3,76
Speed 5 (3)	kW	1,25	1,55	1,60	1,68	1,90	1,96	1,89	2,05	2,09	2,36	2,69
Speed 6 (3)	kW	1,08	1,39	1,44	1,51	1,72	1,70	1,71	1,85	1,80	2,07	2,36
Water flow Max (3)	l/h	350	470	530	510	610	660	570	670	710	820	1020
Pressure drop Max (3)	kPa	11	5	8	5	5	7	10	6	5	17	13
Output supplementary coil (2)												
Speed 1 (2)	kW	1,48	1,48	-	2,12	2,12	-	2,48	2,48	-	3,48	3,48
Speed 2 (2)	kW	1,37	1,37	-	1,92	1,92	-	2,24	2,24	-	3,13	3,13
Speed 3 (2)	kW	1,26	1,26	-	1,74	1,74	-	2,02	2,02	-	2,78	2,78
Speed 4 (2)	kW	1,15	1,15	-	1,57	1,57	-	1,82	1,82	-	2,46	2,46
Speed 5 (2)	kW	0,95	0,95	-	1,30	1,30	-	1,50	1,50	-	1,92	1,92
Speed 6 (2)	kW	0,87	0,87	-	1,20	1,20	-	1,39	1,39	-	1,72	1,72
Water flow Max (2)	l/h	130	130	-	190	190	-	220	220	-	310	310
Pressure drop Max (2)	kPa	2	2	-	4	4	-	7	7	-	13	13
Sound pressure level (4)												
Speed 1 (4)	dB(A)	46	46	47	48	48	49	48	48	49	51	51
Speed 2 (4)	dB(A)	41	41	42	44	44	45	44	44	45	47	47
Speed 3 (4)	dB(A)	38	38	39	40	40	41	40	40	41	43	43
Speed 4 (4)	dB(A)	35	35	36	37	37	38	37	37	38	41	41
Speed 5 (4)	dB(A)	30	30	31	30	30	31	31	31	32	33	33
Speed 6 (4)	dB(A)	28	28	29	29	29	30	29	29	30	30	30
Water content	l	0,50	0,70	0,70	0,70	1	1	1	1,40	1,40	1	1,40
Fan		1 C	1 C	1 C	1 C	1 C	1 C	1 C	1 C	1 C	2 C	2 C
Water IN connection	inch	1/2" G F	1/2" G F	1/2" G F	1/2" G F	1/2" G F	1/2" G F	1/2" G F	1/2" G F	1/2" G F	1/2" G F	1/2" G F
Water OUT connection	inch											
Max absorbed power	W	66	66	66	77	77	77	93	93	93	130	130
Max absorbed current	A	0,29	0,29	0,29	0,30	0,30	0,30	0,41	0,41	0,41	0,57	0,57
Electrical 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	230-1-50
DIMENSION												
With Cabinet												
L	(mm)	732	732	732	922	922	922	1112	1112	1112	1112	1112
H	(mm)	541	541	541	541	541	541	541	541	541	541	541
P (5)	(mm)	245	245	245	245	245	245	245	245	245	245	245
Weight	kg	18	18	18	22	22	22	26	26	26	28	28

Modelli		440	520	530	540	620	630	640	720	730	740
Air flow rate											
Speed 1	m3/h	790	950	915	880	940	925	900	1360	1310	1260
Speed 2	m3/h	660	815	780	750	810	790	770	1150	1090	1070
Speed 3	m3/h	454	710	680	655	710	685	670	970	920	880
Speed 4	m3/h	455	610	585	560	600	590	560	790	740	700
Speed 5	m3/h	300	460	440	420	460	445	440	640	590	570
Speed 6	m3/h	260	400	390	380	410	400	390	480	440	430
Total output cooling capacity (1)											
Speed 1 (1)	kW	5,57	4,66	5,75	6,54	5,18	6,92	7,47	6,59	8,94	9,64
Speed 2 (1)	kW	4,87	4,21	5,13	5,80	4,68	6,16	6,57	5,92	7,81	8,54
Speed 3 (1)	kW	4,22	3,84	4,65	5,26	4,26	5,53	5,84	5,29	6,89	7,30
Speed 4 (1)	kW	3,65	3,45	4,15	4,63	3,77	4,88	5,08	4,60	5,87	6,02
Speed 5 (1)	kW	2,56	2,81	3,36	3,66	3,09	3,90	4,14	3,96	4,88	5,13
Speed 6 (1)	kW	2,28	2,52	3,05	3,38	2,83	3,58	3,71	3,20	3,87	4,03
Sensible output cooling capacity (1)											
Speed 1 (1)	kW	4,20	3,95	4,50	4,86	4,23	5,13	5,40	5,61	6,81	7,12
Speed 2 (1)	kW	3,62	3,51	3,96	4,27	3,76	4,52	4,72	4,94	5,86	6,24
Speed 3 (1)	kW	3,10	3,15	3,54	3,84	3,38	4,03	4,17	4,33	5,11	5,28
Speed 4 (1)	kW	2,66	2,79	3,12	3,35	2,95	3,53	3,59	3,68	4,30	4,31
Speed 5 (1)	kW	1,84	2,22	2,48	2,61	2,37	2,78	2,82	3,11	3,53	3,63
Speed 6 (1)	kW	1,63	1,97	2,24	2,40	2,15	2,54	2,50	2,45	2,75	2,82
Max Water flow (1)	l/h	960	800	990	1120	890	1190	1280	1130	1530	1650
Max Pressure drop (1)	kPa	11	11	22	18	16	18	14	24	27	23
Total output heating capacity (2)											
Speed 1 (2)	kW	10,7	9,92	11,2	12,3	10,8	13,1	13,5	13,7	17,4	18
Speed 2 (2)	kW	9,18	8,86	9,88	10,7	9,61	11,4	11,8	12,2	15	15,7
Speed 3 (2)	kW	7,81	7,98	8,85	9,56	8,68	10,1	10,4	10,7	13	13,3
Speed 4 (2)	kW	6,69	7,11	7,83	8,34	7,61	8,88	8,85	9,16	10,8	10,8
Speed 5 (2)	kW	4,63	5,70	6,18	6,47	6,15	6,91	7,09	7,78	8,88	8,99
Speed 6 (2)	kW	4,07	5,09	5,58	5,91	5,59	6,28	6,33	6,18	6,84	6,94
Max Water flow (2)	l/h	930	870	980	1080	950	1150	1190	1210	1530	1580
Max Pressure drop (2)	kPa	10	10	19	15	14	11	12	21	22	19
Total output heating capacity (3)											
Speed 1 (3)	kW	6,46	6,04	6,81	7,44	6,67	7,93	8,25	8,37	10,6	11
Speed 2 (3)	kW	5,57	5,39	6	6,50	5,93	6,93	7,19	7,40	9,10	9,55
Speed 3 (3)	kW	4,73	4,86	5,37	5,79	5,33	6,12	6,35	6,52	7,89	8,05
Speed 4 (3)	kW	4,05	4,32	4,75	5,05	4,73	5,37	5,33	5,57	6,55	6,57
Speed 5 (3)	kW	2,80	3,46	3,75	3,91	3,77	4,18	4,19	4,73	5,37	5,42
Speed 6 (3)	kW	2,46	3,09	3,38	3,57	3,36	3,79	3,72	3,75	4,13	4,10
Water flow Max (3)	l/h	1130	1050	1190	1300	1160	1380	1440	1460	1850	1920
Pressure drop Max (3)	kPa	10	10	20	16	14	16	12	22	24	21
Output supplementary coil (2)											
Speed 1 (2)	kW	-	4,11	4,11	-	4,52	4,52	-	5,62	5,62	-
Speed 2 (2)	kW	-	3,71	3,71	-	4,09	4,09	-	5,02	5,02	-
Speed 3 (2)	kW	-	3,40	3,40	-	3,72	3,72	-	4,51	4,51	-
Speed 4 (2)	kW	-	3,09	3,09	-	3,37	3,37	-	3,92	3,92	-
Speed 5 (2)	kW	-	2,55	2,55	-	2,78	2,78	-	3,37	3,37	-
Speed 6 (2)	kW	-	2,35	2,35	-	2,59	2,59	-	2,76	2,76	-
Water flow Max (2)	l/h	-	360	360	-	400	400	-	490	490	-
Pressure drop Max (2)	kPa	-	20	20	-	24	24	-	35	35	-
Sound pressure level (4)											
Speed 1 (4)	dB(A)	52	51	51	52	52	52	53	54	54	55
Speed 2 (4)	dB(A)	48	47	47	48	48	48	49	49	49	50
Speed 3 (4)	dB(A)	44	44	44	45	45	45	46	46	46	47
Speed 4 (4)	dB(A)	42	40	40	42	41	41	42	41	41	42
Speed 5 (4)	dB(A)	34	33	33	34	35	35	36	36	36	37
Speed 6 (4)	dB(A)	31	30	30	31	33	33	34	33	33	34
Water content	l	1	1,20	1,80	1,40	1,50	2,20	2,20	1,50	2,20	2,20
Fan	2 C	2 C	2 C	2 C	2 C	2 C	2 C	2 C	3 C	3 C	3 C
Water IN connection	inch	1/2" G F	1/2" G F	1/2" G F	1/2" G F	1/2" G F	1/2" G F	1/2" G F	1/2" G F	1/2" G F	1/2" G F
Water OUT connection	inch										
Max absorbed power	W	130	150	150	150	165	165	165	245	245	245
Max absorbed current	A	0,57	0,60	0,60	0,60	0,73	0,73	0,73	1,10	1,10	1,10
Electrical 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
DIMENSION											
With Cabinet											
L	(mm)	1112	1302	1302	1302	1492	1492	1492	1492	1492	1492
H	(mm)	541	541	541	541	541	541	541	541	541	541
P (5)	(mm)	245	245	245	245	245	245	245	245	245	245
Weight	kg	28	32	32	32	38	38	38	43	43	43

Note:

- 1 Operation in cooling mode: room temperature 27°C d.b./19°C w.b., chilled water at inlet 7°C and at outlet 12°C
- 2 Operation in heating mode: room temperature 20°C d.b., hot water at inlet 70°C and at outlet 60°C
- 3 Operation in heating mode: room temperature 20°C d.b., hot water at inlet 50°C, with identical flow rate that in the cooling mode
- 4 Sound pressure in semianechoic room at 1 m from fan front and 1 m from the ground
- 5 Size related to the air inlet grille

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Modelli		120	130	140	220	230	240	320	330	340	420	430	440
Air flow rate													
Speed 1	m3/h	430	410	390	500	480	450	510	485	460	830	815	790
Speed 2	m3/h	390	360	340	430	410	380	440	415	390	700	680	660
Speed 3	m3/h	330	315	290	365	350	320	375	355	330	580	565	454
Speed 4	m3/h	290	270	250	310	300	270	320	305	280	480	470	455
Speed 5	m3/h	220	200	180	240	225	210	250	230	220	330	315	300
Speed 6	m3/h	180	175	160	210	200	180	220	205	190	280	270	260
Total output cooling capacity (1)													
Speed 1 (1)	kW	1,45	1,91	2,32	2,13	2,67	3,20	2,76	3,22	3,68	3,77	4,69	5,57
Speed 2 (1)	kW	1,37	1,75	2,10	1,93	2,37	2,81	2,49	2,86	3,23	3,39	4,14	4,87
Speed 3 (1)	kW	1,24	1,59	1,87	1,72	2,10	2,46	2,23	2,53	2,79	3	3,62	4,22
Speed 4 (1)	kW	1,14	1,42	1,67	1,53	1,85	2,13	1,99	2,24	2,42	2,64	3,16	3,65
Speed 5 (1)	kW	0,96	1,11	1,27	1,26	1,42	1,71	1,65	1,77	1,97	2,02	2,31	2,56
Speed 6 (1)	kW	0,84	0,97	1,16	1,13	1,23	1,48	1,49	1,59	1,64	1,79	2,03	2,28
Sensible output cooling capacity (1)													
Speed 1 (1)	kW	1,36	1,63	1,77	1,89	2,17	2,41	2,26	2,47	2,68	3,25	3,77	4,20
Speed 2 (1)	kW	1,27	1,47	1,58	1,68	1,91	2,09	2,01	2,17	2,34	2,86	3,27	3,62
Speed 3 (1)	kW	1,13	1,32	1,39	1,48	1,67	1,82	1,77	1,90	2,01	2,48	2,82	3,10
Speed 4 (1)	kW	1,03	1,16	1,23	1,30	1,46	1,56	1,56	1,67	1,73	2,15	2,42	2,66
Speed 5 (1)	kW	0,83	0,89	0,93	1,04	1,11	1,24	1,27	1,30	1,40	1,59	1,72	1,84
Speed 6 (1)	kW	0,71	0,78	0,84	0,93	0,97	1,07	1,14	1,17	1,18	1,39	1,50	1,63
Max Water flow (1)	l/h	250	330	400	370	460	550	470	550	630	650	800	960
Max Pressure drop (1)	kPa	12	5	10	6	5	8	11	7	5	19	14	11
Total output heating capacity (2)													
Speed 1 (2)	kW	3,25	4,46	5,01	4,77	5,79	6,28	5,40	6,36	6,76	7,68	9,58	10,7
Speed 2 (2)	kW	3,04	4,04	4,49	4,28	5,12	5,44	4,84	5,60	5,85	6,81	8,33	9,18
Speed 3 (2)	kW	2,72	3,66	3,94	3,79	4,51	4,70	4,28	4,92	5,05	5,94	7,19	7,81
Speed 4 (2)	kW	2,49	3,25	3,49	3,36	3,98	4,05	3,79	4,33	4,36	5,16	6,20	6,69
Speed 5 (2)	kW	2,05	2,56	2,64	2,76	3,13	3,24	3,11	3,39	3,50	3,88	4,45	4,63
Speed 6 (2)	kW	1,77	2,30	2,38	2,49	2,83	2,82	2,81	3,07	3,05	3,41	3,90	4,07
Max Water flow (2)	l/h	350	390	440	420	510	550	470	560	590	670	840	930
Max Pressure drop (2)	kPa	10	5	8	5	4	7	9	6	5	16	12	10
Total output heating capacity (3)													
Speed 1 (3)	kW	1,98	2,71	3,04	2,91	3,52	3,80	3,29	3,86	4,09	4,69	5,83	6,46
Speed 2 (3)	kW	1,86	2,46	2,72	2,61	3,11	3,30	2,94	3,40	3,54	4,15	5,06	5,57
Speed 3 (3)	kW	1,66	2,22	2,39	2,31	2,74	2,84	2,60	2,98	3,05	3,62	4,37	4,73
Speed 4 (3)	kW	1,52	1,97	2,11	2,04	2,41	2,45	2,30	2,62	2,63	3,14	3,76	4,05
Speed 5 (3)	kW	1,25	1,55	1,60	1,68	1,90	1,96	1,89	2,05	2,09	2,36	2,69	2,80
Speed 6 (3)	kW	1,08	1,39	1,44	1,51	1,72	1,70	1,71	1,85	1,80	2,07	2,36	2,46
Water flow Max (3)	l/h	350	470	530	510	610	660	570	670	710	820	1020	1130
Pressure drop Max (3)	kPa	11	5	8	5	5	7	10	6	5	17	13	10
Output supplementary coil (2)													
Speed 1 (2)	kW	1,48	1,48	-	2,12	2,12	-	2,48	2,48	-	3,48	3,48	-
Speed 2 (2)	kW	1,37	1,37	-	1,92	1,92	-	2,24	2,24	-	3,13	3,13	-
Speed 3 (2)	kW	1,26	1,26	-	1,74	1,74	-	2,02	2,02	-	2,78	2,78	-
Speed 4 (2)	kW	1,15	1,15	-	1,57	1,57	-	1,82	1,82	-	2,46	2,46	-
Speed 5 (2)	kW	0,95	0,95	-	1,30	1,30	-	1,50	1,50	-	1,92	1,92	-
Speed 6 (2)	kW	0,87	0,87	-	1,20	1,20	-	1,39	1,39	-	1,72	1,72	-
Water flow Max (2)	l/h	130	130	-	190	190	-	220	220	-	310	310	-
Pressure drop Max (2)	kPa	2	2	-	4	4	-	7	7	-	13	13	-
Sound pressure level (4)													
Speed 1 (4)	dB(A)	46	46	47	48	48	49	48	48	49	51	51	52
Speed 2 (4)	dB(A)	41	41	42	44	44	45	44	44	45	47	47	48
Speed 3 (4)	dB(A)	38	38	39	40	40	41	40	40	41	43	43	44
Speed 4 (4)	dB(A)	35	35	36	37	37	38	37	37	38	41	41	42
Speed 5 (4)	dB(A)	30	30	31	30	30	31	31	31	32	33	33	34
Speed 6 (4)	dB(A)	28	28	29	29	29	30	29	29	30	30	30	31
Water content	l	0,50	0,70	0,70	0,70	1	1	1	1,40	1,40	1	1,40	1
Fan	1 C	1 C	1 C	1 C	1 C	1 C	1 C	1 C	1 C	1 C	2 C	2 C	2 C
Water IN connection	inch	1/2"G F	1/2"G F	1/2"G F	1/2"G F	1/2"G F	1/2"G F	1/2"G F	1/2"G F	1/2"G F	1/2"G F	1/2"G F	1/2"G F
Water OUT connection	inch												
Max absorbed power	W	66	66	66	77	77	77	93	93	93	130	130	130
Max absorbed current	A	0,29	0,29	0,29	0,30	0,30	0,30	0,41	0,41	0,41	0,57	0,57	0,57
Electrical 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	230-1-50	230-1-50
DIMENSION													
Built-in													
L	(mm)	411	411	411	601	601	601	791	791	791	791	791	791
H	(mm)	495	495	495	495	495	495	495	495	495	495	495	495
P	(mm)	225	225	225	225	225	225	225	225	225	225	225	225
Weight	kg	12	12	14	15	15	17	18	18	20	20	20	22

Modelli		520	530	540	620	630	640	720	730	740	830	840
Air flow rate												
Speed 1	m3/h	950	915	880	940	925	900	1360	1310	1260	1620	1580
Speed 2	m3/h	815	780	750	810	790	770	1150	1090	1070	1380	1340
Speed 3	m3/h	710	680	655	710	685	670	970	920	880	1165	1120
Speed 4	m3/h	610	585	560	600	590	560	790	740	700	930	880
Speed 5	m3/h	460	440	420	460	445	440	640	590	570	720	690
Speed 6	m3/h	400	390	380	410	400	390	480	440	430	520	480
Total output cooling capacity (1)												
Speed 1 (1)	kW	4,66	5,75	6,54	5,18	6,92	7,47	6,59	8,94	9,64	10,2	11,9
Speed 2 (1)	kW	4,21	5,13	5,80	4,68	6,16	6,57	5,92	7,81	8,54	9,11	10,5
Speed 3 (1)	kW	3,84	4,65	5,26	4,26	5,53	5,84	5,29	6,89	7,30	8,05	9,16
Speed 4 (1)	kW	3,45	4,15	4,63	3,77	4,88	5,08	4,60	5,87	6,02	6,80	7,50
Speed 5 (1)	kW	2,81	3,36	3,66	3,09	3,90	4,14	3,96	4,88	5,13	5,59	6,17
Speed 6 (1)	kW	2,52	3,05	3,38	2,83	3,58	3,71	3,20	3,87	4,03	4,29	4,52
Sensible output cooling capacity (1)												
Speed 1 (1)	kW	3,95	4,50	4,86	4,23	5,13	5,40	5,61	6,81	7,12	7,97	8,82
Speed 2 (1)	kW	3,51	3,96	4,27	3,76	4,52	4,72	4,94	5,86	6,24	7,01	7,71
Speed 3 (1)	kW	3,15	3,54	3,84	3,38	4,03	4,17	4,33	5,11	5,28	6,11	6,65
Speed 4 (1)	kW	2,79	3,12	3,35	2,95	3,53	3,59	3,68	4,30	4,31	5,07	5,38
Speed 5 (1)	kW	2,22	2,48	2,61	2,37	2,78	2,82	3,11	3,53	3,63	4,11	4,37
Speed 6 (1)	kW	1,97	2,24	2,40	2,15	2,54	2,50	2,45	2,75	2,82	3,11	3,07
Max Water flow (1)	l/h	800	990	1120	890	1190	1280	1130	1530	1650	1750	2040
Max Pressure drop (1)	kPa	11	22	18	16	18	14	24	27	23	24	22
Total output heating capacity (2)												
Speed 1 (2)	kW	9,92	11,2	12,3	10,8	13,1	13,5	13,7	17,4	18	20,3	22,4
Speed 2 (2)	kW	8,86	9,88	10,7	9,61	11,4	11,8	12,2	15	15,7	17,9	19,5
Speed 3 (2)	kW	7,98	8,85	9,56	8,68	10,1	10,4	10,7	13	13,3	15,6	16,7
Speed 4 (2)	kW	7,11	7,83	8,34	7,61	8,88	8,85	9,16	10,8	10,8	13	13,5
Speed 5 (2)	kW	5,70	6,18	6,47	6,15	6,91	7,09	7,78	8,88	8,99	10,4	10,9
Speed 6 (2)	kW	5,09	5,58	5,91	5,59	6,28	6,33	6,18	6,84	6,94	7,85	7,78
Max Water flow (2)	l/h	870	980	1080	950	1150	1190	1210	1530	1580	1780	1970
Max Pressure drop (2)	kPa	10	19	15	14	11	12	21	22	19	20	19
Total output heating capacity (3)												
Speed 1 (3)	kW	6,04	6,81	7,44	6,67	7,93	8,25	8,37	10,6	11	12,4	13,7
Speed 2 (3)	kW	5,39	6	6,50	5,93	6,93	7,19	7,40	9,10	9,55	10,9	11,9
Speed 3 (3)	kW	4,86	5,37	5,79	5,33	6,12	6,35	6,52	7,89	8,05	9,47	10,2
Speed 4 (3)	kW	4,32	4,75	5,05	4,73	5,37	5,33	5,57	6,55	6,57	7,85	8,21
Speed 5 (3)	kW	3,46	3,75	3,91	3,77	4,18	4,19	4,73	5,37	5,42	6,31	6,57
Speed 6 (3)	kW	3,09	3,38	3,57	3,36	3,79	3,72	3,75	4,13	4,10	4,75	4,57
Water flow Max (3)	l/h	1050	1190	1300	1160	1380	1440	1460	1850	1920	2160	2380
Pressure drop Max (3)	kPa	10	20	16	14	16	12	22	24	21	22	20
Output supplementary coil (2)												
Speed 1 (2)	kW	4,11	4,11	-	4,52	4,52	-	5,62	5,62	-	6,70	-
Speed 2 (2)	kW	3,71	3,71	-	4,09	4,09	-	5,02	5,02	-	6,07	-
Speed 3 (2)	kW	3,40	3,40	-	3,72	3,72	-	4,51	4,51	-	5,46	-
Speed 4 (2)	kW	3,09	3,09	-	3,37	3,37	-	3,92	3,92	-	4,73	-
Speed 5 (2)	kW	2,55	2,55	-	2,78	2,78	-	3,37	3,37	-	4	-
Speed 6 (2)	kW	2,35	2,35	-	2,59	2,59	-	2,76	2,76	-	3,21	-
Water flow Max (2)	l/h	360	360	-	400	400	-	490	490	-	590	-
Pressure drop Max (2)	kPa	20	20	-	24	24	-	35	35	-	10	-
Sound pressure level (4)												
Speed 1 (4)	dB(A)	51	51	52	52	52	53	54	54	55	57	58
Speed 2 (4)	dB(A)	47	47	48	48	48	49	49	49	50	53	54
Speed 3 (4)	dB(A)	44	44	45	45	45	46	46	46	47	49	50
Speed 4 (4)	dB(A)	40	40	42	41	41	42	41	41	42	43	44
Speed 5 (4)	dB(A)	33	33	34	35	35	36	36	36	37	38	39
Speed 6 (4)	dB(A)	30	30	31	33	33	34	33	33	34	31	32
Water content	l	1,20	1,80	1,40	1,50	2,20	2,20	1,50	2,20	2,20	1,70	2,60
Fan	2 C	2 C	2 C	2 C	2 C	2 C	2 C	3 C	3 C	3 C	4 C	4 C
Water IN connection	inch	1/2" G F	1/2" G F	1/2" G F	1/2" G F	1/2" G F	1/2" G F	1/2" G F	1/2" G F	1/2" G F	1/2" G F	1/2" G F
Water OUT connection	inch											
Max absorbed power	W	150	150	150	165	165	165	245	245	245	272	272
Max absorbed current	A	0,60	0,60	0,60	0,73	0,73	0,73	1,10	1,10	1,10	1,03	1,03
Electrical 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	230-1-50
DIMENSION												
Built-in												
L	(mm)	981	981	981	1171	1171	1171	1171	1171	1171	1361	1361
H	(mm)	495	495	495	495	495	495	495	495	495	495	495
P	(mm)	225	225	225	225	225	225	225	225	225	225	225
Weight	kg	23	23	25	27	27	29	31	31	33	38	38

Note:

- 1 Operation in cooling mode: room temperature 27°C d.b./19°C w.b., chilled water at inlet 7°C and at outlet 12°C
- 2 Operation in heating mode: room temperature 20°C d.b., hot water at inlet 70°C and at outlet 60°C
- 3 Operation in heating mode: room temperature 20°C d.b., hot water at inlet 50°C, with identical flow rate that in the cooling mode
- 4 Sound pressure in semianechoic room at 1 m from fan front and 1 m from the ground

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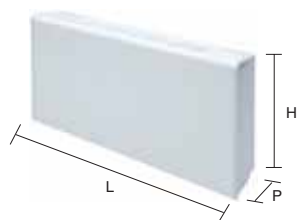
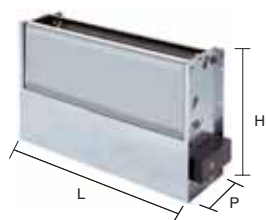
Modelli		120	130	140	220	230	240	320	330	340	420	430	440
Air flow rate													
Speed 1	m3/h	430	410	390	500	480	450	510	485	460	830	815	790
Speed 2	m3/h	390	360	340	430	410	380	440	415	390	700	680	660
Speed 3	m3/h	330	315	290	365	350	320	375	355	330	580	565	454
Speed 4	m3/h	290	270	250	310	300	270	320	305	280	480	470	455
Speed 5	m3/h	220	200	180	240	225	210	250	230	220	330	315	300
Speed 6	m3/h	180	175	160	210	200	180	220	205	190	280	270	260
Total output cooling capacity (1)													
Speed 1 (1)	kW	1,45	1,91	2,32	2,13	2,67	3,20	2,76	3,22	3,68	3,77	4,69	5,57
Speed 2 (1)	kW	1,37	1,75	2,10	1,93	2,37	2,81	2,49	2,86	3,23	3,39	4,14	4,87
Speed 3 (1)	kW	1,24	1,59	1,87	1,72	2,10	2,46	2,23	2,53	2,79	3	3,62	4,22
Speed 4 (1)	kW	1,14	1,42	1,67	1,53	1,85	2,13	1,99	2,24	2,42	2,64	3,16	3,65
Speed 5 (1)	kW	0,96	1,11	1,27	1,26	1,42	1,71	1,65	1,77	1,97	2,02	2,31	2,56
Speed 6 (1)	kW	0,84	0,97	1,16	1,13	1,23	1,48	1,49	1,59	1,64	1,79	2,03	2,28
Sensible output cooling capacity (1)													
Speed 1 (1)	kW	1,36	1,63	1,77	1,89	2,17	2,41	2,26	2,47	2,68	3,25	3,77	4,20
Speed 2 (1)	kW	1,27	1,47	1,58	1,68	1,91	2,09	2,01	2,17	2,34	2,86	3,27	3,62
Speed 3 (1)	kW	1,13	1,32	1,39	1,48	1,67	1,82	1,77	1,90	2,01	2,48	2,82	3,10
Speed 4 (1)	kW	1,03	1,16	1,23	1,30	1,46	1,56	1,56	1,67	1,73	2,15	2,42	2,66
Speed 5 (1)	kW	0,83	0,89	0,93	1,04	1,11	1,24	1,27	1,30	1,40	1,59	1,72	1,84
Speed 6 (1)	kW	0,71	0,78	0,84	0,93	0,97	1,07	1,14	1,17	1,18	1,39	1,50	1,63
Max Water flow (1)	l/h	250	330	400	370	460	550	470	550	630	650	800	960
Max Pressure drop (1)	kPa	12	5	10	6	5	8	11	7	5	19	14	11
Total output heating capacity (2)													
Speed 1 (2)	kW	3,25	4,46	5,01	4,77	5,79	6,28	5,40	6,36	6,76	7,68	9,58	10,7
Speed 2 (2)	kW	3,04	4,04	4,49	4,28	5,12	5,44	4,84	5,60	5,85	6,81	8,33	9,18
Speed 3 (2)	kW	2,72	3,66	3,94	3,79	4,51	4,70	4,28	4,92	5,05	5,94	7,19	7,81
Speed 4 (2)	kW	2,49	3,25	3,49	3,36	3,98	4,05	3,79	4,33	4,36	5,16	6,20	6,69
Speed 5 (2)	kW	2,05	2,56	2,64	2,76	3,13	3,24	3,11	3,39	3,50	3,88	4,45	4,63
Speed 6 (2)	kW	1,77	2,30	2,38	2,49	2,83	2,82	2,81	3,07	3,05	3,41	3,90	4,07
Max Water flow (2)	l/h	350	390	440	420	510	550	470	560	590	670	840	930
Max Pressure drop (2)	kPa	10	5	8	5	4	7	9	6	5	16	12	10
Total output heating capacity (3)													
Speed 1 (3)	kW	1,98	2,71	3,04	2,91	3,52	3,80	3,29	3,86	4,09	4,69	5,83	6,46
Speed 2 (3)	kW	1,86	2,46	2,72	2,61	3,11	3,30	2,94	3,40	3,54	4,15	5,06	5,57
Speed 3 (3)	kW	1,66	2,22	2,39	2,31	2,74	2,84	2,60	2,98	3,05	3,62	4,37	4,73
Speed 4 (3)	kW	1,52	1,97	2,11	2,04	2,41	2,45	2,30	2,62	2,63	3,14	3,76	4,05
Speed 5 (3)	kW	1,25	1,55	1,60	1,68	1,90	1,96	1,89	2,05	2,09	2,36	2,69	2,80
Speed 6 (3)	kW	1,08	1,39	1,44	1,51	1,72	1,70	1,71	1,85	1,80	2,07	2,36	2,46
Water flow Max (3)	l/h	350	470	530	510	610	660	570	670	710	820	1020	1130
Pressure drop Max (3)	kPa	11	5	8	5	5	7	10	6	5	17	13	10
Output supplementary coil (2)													
Speed 1 (2)	kW	1,48	1,48	-	2,12	2,12	-	2,48	2,48	-	3,48	3,48	-
Speed 2 (2)	kW	1,37	1,37	-	1,92	1,92	-	2,24	2,24	-	3,13	3,13	-
Speed 3 (2)	kW	1,26	1,26	-	1,74	1,74	-	2,02	2,02	-	2,78	2,78	-
Speed 4 (2)	kW	1,15	1,15	-	1,57	1,57	-	1,82	1,82	-	2,46	2,46	-
Speed 5 (2)	kW	0,95	0,95	-	1,30	1,30	-	1,50	1,50	-	1,92	1,92	-
Speed 6 (2)	kW	0,87	0,87	-	1,20	1,20	-	1,39	1,39	-	1,72	1,72	-
Water flow Max (2)	l/h	130	130	-	190	190	-	220	220	-	310	310	-
Pressure drop Max (2)	kPa	2	2	-	4	4	-	7	7	-	13	13	-
Sound pressure level (4)													
Speed 1 (4)	dB(A)	46	46	47	48	48	49	48	48	49	51	51	52
Speed 2 (4)	dB(A)	41	41	42	44	44	45	44	44	45	47	47	48
Speed 3 (4)	dB(A)	38	38	39	40	40	41	40	40	41	43	43	44
Speed 4 (4)	dB(A)	35	35	36	37	37	38	37	37	38	41	41	42
Speed 5 (4)	dB(A)	30	30	31	30	30	31	31	31	32	33	33	34
Speed 6 (4)	dB(A)	28	28	29	29	29	30	29	29	30	30	30	31
Water content	l	0,50	0,70	0,70	0,70	1	1	1	1,40	1,40	1	1,40	1
Fan	1 C	1 C	1 C	1 C	1 C	1 C	1 C	1 C	1 C	1 C	2 C	2 C	2 C
Water IN connection	inch	1/2"G F	1/2"G F	1/2"G F	1/2"G F	1/2"G F	1/2"G F	1/2"G F	1/2"G F	1/2"G F	1/2"G F	1/2"G F	1/2"G F
Water OUT connection	inch												
Max absorbed power	W	66	66	66	77	77	77	93	93	93	130	130	130
Max absorbed current	A	0,29	0,29	0,29	0,30	0,30	0,30	0,41	0,41	0,41	0,57	0,57	0,57
Electrical 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	230-1-50	230-1-50
DIMENSION													
Built-in													
L	(mm)	411	411	411	601	601	601	791	791	791	791	791	791
H	(mm)	495	495	495	495	495	495	495	495	495	495	495	495
P	(mm)	225	225	225	225	225	225	225	225	225	225	225	225
Weight	kg	12	12	14	15	15	17	18	18	20	20	20	22

Modelli		520	530	540	620	630	640	720	730	740	830	840
Air flow rate												
Speed 1	m3/h	950	915	880	940	925	900	1360	1310	1260	1620	1580
Speed 2	m3/h	815	780	750	810	790	770	1150	1090	1070	1380	1340
Speed 3	m3/h	710	680	655	710	685	670	970	920	880	1165	1120
Speed 4	m3/h	610	585	560	600	590	560	790	740	700	930	880
Speed 5	m3/h	460	440	420	460	445	440	640	590	570	720	690
Speed 6	m3/h	400	390	380	410	400	390	480	440	430	520	480
Total output cooling capacity (1)												
Speed 1 (1)	kW	4,66	5,75	6,54	5,18	6,92	7,47	6,59	8,94	9,64	10,2	11,9
Speed 2 (1)	kW	4,21	5,13	5,80	4,68	6,16	6,57	5,92	7,81	8,54	9,11	10,5
Speed 3 (1)	kW	3,84	4,65	5,26	4,26	5,53	5,84	5,29	6,89	7,30	8,05	9,16
Speed 4 (1)	kW	3,45	4,15	4,63	3,77	4,88	5,08	4,60	5,87	6,02	6,80	7,50
Speed 5 (1)	kW	2,81	3,36	3,66	3,09	3,90	4,14	3,96	4,88	5,13	5,59	6,17
Speed 6 (1)	kW	2,52	3,05	3,38	2,83	3,58	3,71	3,20	3,87	4,03	4,29	4,52
Sensible output cooling capacity (1)												
Speed 1 (1)	kW	3,95	4,50	4,86	4,23	5,13	5,40	5,61	6,81	7,12	7,97	8,82
Speed 2 (1)	kW	3,51	3,96	4,27	3,76	4,52	4,72	4,94	5,86	6,24	7,01	7,71
Speed 3 (1)	kW	3,15	3,54	3,84	3,38	4,03	4,17	4,33	5,11	5,28	6,11	6,65
Speed 4 (1)	kW	2,79	3,12	3,35	2,95	3,53	3,59	3,68	4,30	4,31	5,07	5,38
Speed 5 (1)	kW	2,22	2,48	2,61	2,37	2,78	2,82	3,11	3,53	3,63	4,11	4,37
Speed 6 (1)	kW	1,97	2,24	2,40	2,15	2,54	2,50	2,45	2,75	2,82	3,11	3,07
Max Water flow (1)	l/h	800	990	1120	890	1190	1280	1130	1530	1650	1750	2040
Max Pressure drop (1)	kPa	11	22	18	16	18	14	24	27	23	24	22
Total output heating capacity (2)												
Speed 1 (2)	kW	9,92	11,2	12,3	10,8	13,1	13,5	13,7	17,4	18	20,3	22,4
Speed 2 (2)	kW	8,86	9,88	10,7	9,61	11,4	11,8	12,2	15	15,7	17,9	19,5
Speed 3 (2)	kW	7,98	8,85	9,56	8,68	10,1	10,4	10,7	13	13,3	15,6	16,7
Speed 4 (2)	kW	7,11	7,83	8,34	7,61	8,88	8,85	9,16	10,8	10,8	13	13,5
Speed 5 (2)	kW	5,70	6,18	6,47	6,15	6,91	7,09	7,78	8,88	8,99	10,4	10,9
Speed 6 (2)	kW	5,09	5,58	5,91	5,59	6,28	6,33	6,18	6,84	6,94	7,85	7,78
Max Water flow (2)	l/h	870	980	1080	950	1150	1190	1210	1530	1580	1780	1970
Max Pressure drop (2)	kPa	10	19	15	14	11	12	21	22	19	20	19
Total output heating capacity (3)												
Speed 1 (3)	kW	6,04	6,81	7,44	6,67	7,93	8,25	8,37	10,6	11	12,4	13,7
Speed 2 (3)	kW	5,39	6	6,50	5,93	6,93	7,19	7,40	9,10	9,55	10,9	11,9
Speed 3 (3)	kW	4,86	5,37	5,79	5,33	6,12	6,35	6,52	7,89	8,05	9,47	10,2
Speed 4 (3)	kW	4,32	4,75	5,05	4,73	5,37	5,33	5,57	6,55	6,57	7,85	8,21
Speed 5 (3)	kW	3,46	3,75	3,91	3,77	4,18	4,19	4,73	5,37	5,42	6,31	6,57
Speed 6 (3)	kW	3,09	3,38	3,57	3,36	3,79	3,72	3,75	4,13	4,10	4,75	4,57
Water flow Max (3)	l/h	1050	1190	1300	1160	1380	1440	1460	1850	1920	2160	2380
Pressure drop Max (3)	kPa	10	20	16	14	16	12	22	24	21	22	20
Output supplementary coil (2)												
Speed 1 (2)	kW	4,11	4,11	-	4,52	4,52	-	5,62	5,62	-	6,70	-
Speed 2 (2)	kW	3,71	3,71	-	4,09	4,09	-	5,02	5,02	-	6,07	-
Speed 3 (2)	kW	3,40	3,40	-	3,72	3,72	-	4,51	4,51	-	5,46	-
Speed 4 (2)	kW	3,09	3,09	-	3,37	3,37	-	3,92	3,92	-	4,73	-
Speed 5 (2)	kW	2,55	2,55	-	2,78	2,78	-	3,37	3,37	-	4	-
Speed 6 (2)	kW	2,35	2,35	-	2,59	2,59	-	2,76	2,76	-	3,21	-
Water flow Max (2)	l/h	360	360	-	400	400	-	490	490	-	590	-
Pressure drop Max (2)	kPa	20	20	-	24	24	-	35	35	-	10	-
Sound pressure level (4)												
Speed 1 (4)	dB(A)	51	51	52	52	52	53	54	54	55	57	58
Speed 2 (4)	dB(A)	47	47	48	48	48	49	49	49	50	53	54
Speed 3 (4)	dB(A)	44	44	45	45	45	46	46	46	47	49	50
Speed 4 (4)	dB(A)	40	40	42	41	41	42	41	41	42	43	44
Speed 5 (4)	dB(A)	33	33	34	35	35	36	36	36	37	38	39
Speed 6 (4)	dB(A)	30	30	31	33	33	34	33	33	34	31	32
Water content	l	1,20	1,80	1,40	1,50	2,20	2,20	1,50	2,20	2,20	1,70	2,60
Fan	2 C	2 C	2 C	2 C	2 C	2 C	2 C	3 C	3 C	3 C	4 C	4 C
Water IN connection	inch	1/2" G F	1/2" G F	1/2" G F	1/2" G F	1/2" G F	1/2" G F	1/2" G F	1/2" G F	1/2" G F	1/2" G F	1/2" G F
Water OUT connection	inch											
Max absorbed power	W	150	150	150	165	165	165	245	245	245	272	272
Max absorbed current	A	0,60	0,60	0,60	0,73	0,73	0,73	1,10	1,10	1,10	1,03	1,03
Electrical 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	230-1-50
DIMENSION												
Built-in												
L	(mm)	981	981	981	1171	1171	1171	1171	1171	1171	1361	1361
H	(mm)	495	495	495	495	495	495	495	495	495	495	495
P	(mm)	225	225	225	225	225	225	225	225	225	225	225
Weight	kg	23	23	25	27	27	29	31	31	33	38	38

Note:

- 1 Operation in cooling mode: room temperature 27°C d.b./19°C w.b., chilled water at inlet 7°C and at outlet 12°C
- 2 Operation in heating mode: room temperature 20°C d.b., hot water at inlet 70°C and at outlet 60°C
- 3 Operation in heating mode: room temperature 20°C d.b., hot water at inlet 50°C, with identical flow rate that in the cooling mode
- 4 Sound pressure in semianechoic room at 1 m from fan front and 1 m from the ground

Dimension



a-LIFE HP 230÷840



High head fan-coil for professional application built-in version

2,83 - 10,9 kW

Unit Description

a-LIFE 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.

Commands

NSW 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). Setting for minimum temperature thermostat.

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.

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 pipes installation), ON/OFF second valve unit control (winter for 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 Building Management System.

Versions

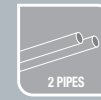
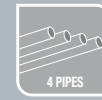
DFI	built-in version, front air intake
DLI	built-in version, bottom air intake

Features

Four pipe system: 3+2 and 4+1 (number of rows for main + additional coil);
High pressure centrifugal fan unit for ducted system;
6-speed autotransformer;
Air filter on all models;
Structure in hot galvanised steel for maximum resistance to rust;

Main accessories

- Hot water coil kit 1 row and 2 rows
- Kit RS485 - interface for Building Management System
- Kit control board to manage 0-10V or 3 points modulating valve unit
- Main coil valve unit ON/OFF, 0-10 V, 3 points 2-way or 3-way
- Additional coil valve unit ON/OFF, PWM, 0-10 V, 3 points 3-way or 2-way
- Straight and angular (90°) plenum kits for air inlet
- Straight and angular (90°) plenum kits for air outlet
- Plenum kit with round air ducts for plenum kit
- Electric heaters



a-LIFE HP / DLI

Modelli		230	240	430	440	530	540	730	740	830	840
Air flow rate											
Speed 1	m3/h	520	520	600	600	930	930	960	960	1330	1330
Speed 2	m3/h	490	490	540	540	800	800	890	890	1260	1260
Speed 3	m3/h	460	460	470	470	670	670	810	810	1130	1130
Speed 4	m3/h	415	415	405	405	520	520	695	695	940	940
Speed 5	m3/h	320	320	290	290	380	380	540	540	720	720
Speed 6	m3/h	275	275	250	250	280	280	380	380	520	520
Effective static pressure Speed 1 - Max	Pa	40	40	40	40	40	40	40	40	40	40
Total output cooling capacity (1)											
Speed 1 (1)	kW	2,83	3,57	4,04	4,69	5,58	6,54	7,36	8,15	9,95	10,9
Speed 2 (1)	kW	2,71	3,41	3,74	4,35	5,02	5,90	6,97	7,66	9,56	10,5
Speed 3 (1)	kW	2,59	3,25	3,37	3,91	4,41	5,15	6,47	7,09	8,83	9,60
Speed 4 (1)	kW	2,39	3	3,01	3,46	3,64	4,19	5,77	6,23	7,68	8,25
Speed 5 (1)	kW	1,95	2,46	2,31	2,59	2,87	3,26	4,67	5,11	6,27	6,63
Speed 6 (1)	kW	1,72	2,17	2,04	2,29	2,25	2,50	3,54	3,75	4,81	5,06
Sensible output cooling capacity (1)											
Speed 1 (1)	kW	2,32	2,72	3,13	3,45	4,39	4,90	5,45	5,90	7,53	7,94
Speed 2 (1)	kW	2,21	2,59	2,87	3,19	3,90	4,38	5,14	5,52	7,21	7,62
Speed 3 (1)	kW	2,10	2,45	2,56	2,84	3,37	3,78	4,74	5,09	6,60	6,94
Speed 4 (1)	kW	1,93	2,24	2,26	2,50	2,73	3,04	4,20	4,44	5,66	5,91
Speed 5 (1)	kW	1,54	1,82	1,70	1,85	2,11	2,32	3,36	3,46	4,55	4,69
Speed 6 (1)	kW	1,35	1,59	1,49	1,63	1,63	1,76	2,43	2,43	3,33	3,33
Max Water flow (1)	l/h	480	610	690	810	960	1120	1260	1400	1710	1870
Max Pressure drop (1)	kPa	5	10	11	9	23	17	20	16	21	19
Total output heating capacity (2)											
Speed 1 (2)	kW	6,16	7,07	7,85	8,72	11,4	12,8	13,8	14,3	18,6	19,4
Speed 2 (2)	kW	5,88	6,73	7,26	7,98	10,1	11,3	12,9	13,4	17,8	18,5
Speed 3 (2)	kW	5,60	6,39	6,54	7,08	8,75	9,74	11,9	12,3	16,3	16,8
Speed 4 (2)	kW	5,17	5,86	5,82	6,22	7,11	7,82	10,4	10,8	14	14,3
Speed 5 (2)	kW	4,19	4,70	4,43	4,63	5,46	5,91	8,37	8,56	11,1	11,3
Speed 6 (2)	kW	3,70	4,11	3,90	4,04	4,19	4,48	6,11	6,16	8,39	8,38
Max Water flow (2)	l/h	540	620	770	770	1000	1130	1210	1260	1630	1700
Max Pressure drop (2)	kPa	4	9	10	8	20	16	18	13	18	16
Total output heating capacity (3)											
Speed 1 (3)	kW	3,75	4,29	4,76	5,34	6,90	7,86	8,58	9,14	11,3	12
Speed 2 (3)	kW	3,58	4,08	4,38	4,88	6,12	6,93	8,04	8,48	10,8	11,4
Speed 3 (3)	kW	3,41	3,87	3,91	4,33	5,31	5,96	7,42	7,72	9,86	10,4
Speed 4 (3)	kW	3,14	3,55	3,46	3,80	4,31	4,78	6,50	6,62	8,46	8,83
Speed 5 (3)	kW	2,55	2,84	2,61	2,76	3,30	3,61	5,14	5,14	6,74	6,86
Speed 6 (3)	kW	2,25	2,49	2,29	2,37	2,53	2,67	3,62	3,62	4,95	4,95
Water flow Max (3)	l/h	650	750	830	930	1200	1370	1500	1600	1970	2090
Pressure drop Max (3)	kPa	4	10	10	9	21	17	18	15	19	18
Output supplementary coil (2)											
Speed 1 (2)	kW	2,23	-	3,34	-	4,42	-	5,45	-	7,68	-
Speed 2 (2)	kW	2,15	-	3,13	-	4,02	-	5,19	-	7,43	-
Speed 3 (2)	kW	2,07	-	2,86	-	3,59	-	4,88	-	6,93	-
Speed 4 (2)	kW	1,94	-	2,59	-	3,04	-	4,42	-	6,16	-
Speed 5 (2)	kW	1,64	-	2,07	-	2,46	-	3,74	-	5,17	-
Speed 6 (2)	kW	1,48	-	1,87	-	1,99	-	2,94	-	4,15	-
Water flow Max (2)	l/h	200	-	290	-	390	-	480	-	670	-
Pressure drop Max (2)	kPa	4	-	13	-	20	-	35	-	10	-
Sound pressure level (4)											
Speed 1 (4)	dB(A)	48	49	51	52	51	52	54	55	57	58
Speed 2 (4)	dB(A)	44	45	47	48	47	48	49	50	53	54
Speed 3 (4)	dB(A)	40	41	44	45	44	45	45	46	49	50
Speed 4 (4)	dB(A)	37	38	42	43	40	41	42	43	43	44
Speed 5 (4)	dB(A)	31	32	33	34	33	34	36	37	38	39
Speed 6 (4)	dB(A)	30	31	31	32	30	31	34	35	31	32
Water content	l	1	1,30	1,40	1,9	1,80	2,40	2,20	2,90	2,60	3,50
Fan	1 C	1 C	2 C	2 C	2 C	2 C	2 C	2 C	2 C	3 C	3 C
Water IN connection	inch	1/2" G F	1/2" G F	1/2" G F	1/2" G F	1/2" G F	1/2" G F	1/2" G F	1/2" G F	1/2" G F	1/2" G F
Max absorbed power	W	140	140	120	120	210	210	240	240	270	270
Max absorbed current	A	0,64	0,64	0,58	0,58	0,95	0,95	1,10	1,10	1,20	1,20
Electrical 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
DIMENSION											
Built-in											
L	(mm)	601	601	791	791	981	981	1171	1171	1361	1361
H	(mm)	495	495	495	495	495	495	495	495	495	495
P	(mm)	225	225	225	225	225	225	225	225	225	225
Weight	kg	18	18	21	21	27	27	29	29	40	40

Note:

- 1 Operation in cooling mode: room temperature 27°C d.b./19°C w.b., chilled water at inlet 7°C and at outlet 12°C
- 2 Operation in heating mode: room temperature 20°C d.b., hot water at inlet 70°C and at outlet 60°C
- 3 Operation in heating mode: room temperature 20°C d.b., hot water at inlet 50°C, with identical flow rate that in the cooling mode
- 4 Sound pressure in semianechoic room at 1 m from fan front and 1 m from the ground

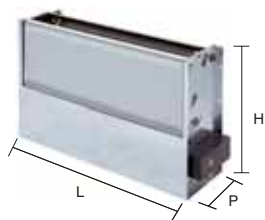
a-LIFE HP / DFI

Modelli		230	240	430	440	530	540	730	740	830	840
Air flow rate											
Speed 1	m3/h	520	520	600	600	930	930	960	960	1330	1330
Speed 2	m3/h	490	490	540	540	800	800	890	890	1260	1260
Speed 3	m3/h	460	460	470	470	670	670	810	810	1130	1130
Speed 4	m3/h	415	415	405	405	520	520	695	695	940	940
Speed 5	m3/h	320	320	290	290	380	380	540	540	720	720
Speed 6	m3/h	275	275	250	250	280	280	380	380	520	520
Effective static pressure Speed 1 - Max	Pa	40	40	40	40	40	40	40	40	40	40
Total output cooling capacity (1)											
Speed 1 (1)	kW	2,83	3,57	4,04	4,69	5,58	6,54	7,36	8,15	9,95	10,9
Speed 2 (1)	kW	2,71	3,41	3,74	4,35	5,02	5,90	6,97	7,66	9,56	10,5
Speed 3 (1)	kW	2,59	3,25	3,37	3,91	4,41	5,15	6,47	7,09	8,83	9,60
Speed 4 (1)	kW	2,39	3	3,01	3,46	3,64	4,19	5,77	6,23	7,68	8,25
Speed 5 (1)	kW	1,95	2,46	2,31	2,59	2,87	3,26	4,67	5,11	6,27	6,63
Speed 6 (1)	kW	1,72	2,17	2,04	2,29	2,25	2,50	3,54	3,75	4,81	5,06
Sensible output cooling capacity (1)											
Speed 1 (1)	kW	2,32	2,72	3,13	3,45	4,39	4,90	5,45	5,90	7,53	7,94
Speed 2 (1)	kW	2,21	2,59	2,87	3,19	3,90	4,38	5,14	5,52	7,21	7,62
Speed 3 (1)	kW	2,10	2,45	2,56	2,84	3,37	3,78	4,74	5,09	6,60	6,94
Speed 4 (1)	kW	1,93	2,24	2,26	2,50	2,73	3,04	4,20	4,44	5,66	5,91
Speed 5 (1)	kW	1,54	1,82	1,70	1,85	2,11	2,32	3,36	3,46	4,55	4,69
Speed 6 (1)	kW	1,35	1,59	1,49	1,63	1,63	1,76	2,43	2,43	3,33	3,33
Max Water flow (1)	l/h	480	610	690	810	960	1120	1260	1400	1710	1870
Max Pressure drop (1)	kPa	5	10	11	9	23	17	20	16	21	19
Total output heating capacity (2)											
Speed 1 (2)	kW	6,16	7,07	7,85	8,72	11,4	12,8	13,8	14,3	18,6	19,4
Speed 2 (2)	kW	5,88	6,73	7,26	7,98	10,1	11,3	12,9	13,4	17,8	18,5
Speed 3 (2)	kW	5,60	6,39	6,54	7,08	8,75	9,74	11,9	12,3	16,3	16,8
Speed 4 (2)	kW	5,17	5,86	5,82	6,22	7,11	7,82	10,4	10,8	14	14,3
Speed 5 (2)	kW	4,19	4,70	4,43	4,63	5,46	5,91	8,37	8,56	11,1	11,3
Speed 6 (2)	kW	3,70	4,11	3,90	4,04	4,19	4,48	6,11	6,16	8,39	8,38
Max Water flow (2)	l/h	540	620	770	770	1000	1130	1210	1260	1630	1700
Max Pressure drop (2)	kPa	4	9	10	8	20	16	18	13	18	16
Total output heating capacity (3)											
Speed 1 (3)	kW	3,75	4,29	4,76	5,34	6,90	7,86	8,58	9,14	11,3	12
Speed 2 (3)	kW	3,58	4,08	4,38	4,88	6,12	6,93	8,04	8,48	10,8	11,4
Speed 3 (3)	kW	3,41	3,87	3,91	4,33	5,31	5,96	7,42	7,72	9,86	10,4
Speed 4 (3)	kW	3,14	3,55	3,46	3,80	4,31	4,78	6,50	6,62	8,46	8,83
Speed 5 (3)	kW	2,55	2,84	2,61	2,76	3,30	3,61	5,14	5,14	6,74	6,86
Speed 6 (3)	kW	2,25	2,49	2,29	2,37	2,53	2,67	3,62	3,62	4,95	4,95
Water flow Max (3)	l/h	650	750	830	930	1200	1370	1500	1600	1970	2090
Pressure drop Max (3)	kPa	4	10	10	9	21	17	18	15	19	18
Output supplementary coil (2)											
Speed 1 (2)	kW	2,23	-	3,34	-	4,42	-	5,45	-	7,68	-
Speed 2 (2)	kW	2,15	-	3,13	-	4,02	-	5,19	-	7,43	-
Speed 3 (2)	kW	2,07	-	2,86	-	3,59	-	4,88	-	6,93	-
Speed 4 (2)	kW	1,94	-	2,59	-	3,04	-	4,42	-	6,16	-
Speed 5 (2)	kW	1,64	-	2,07	-	2,46	-	3,74	-	5,17	-
Speed 6 (2)	kW	1,48	-	1,87	-	1,99	-	2,94	-	4,15	-
Water flow Max (2)	l/h	200	-	290	-	390	-	480	-	670	-
Pressure drop Max (2)	kPa	4	-	13	-	20	-	35	-	10	-
Sound pressure level (4)											
Speed 1 (4)	dB(A)	48	49	51	52	51	52	54	55	57	58
Speed 2 (4)	dB(A)	44	45	47	48	47	48	49	50	53	54
Speed 3 (4)	dB(A)	40	41	44	45	44	45	45	46	49	50
Speed 4 (4)	dB(A)	37	38	42	43	40	41	42	43	43	44
Speed 5 (4)	dB(A)	31	32	33	34	33	34	36	37	38	39
Speed 6 (4)	dB(A)	30	31	31	32	30	31	34	35	31	32
Water content	l	1	1,30	1,40	1,9	1,80	2,40	2,20	2,90	2,60	3,50
Fan		1 C	1 C	2 C	2 C	2 C	2 C	2 C	2 C	3 C	3 C
Water IN connection	inch	1/2" G F	1/2" G F	1/2" G F	1/2" G F	1/2" G F	1/2" G F	1/2" G F	1/2" G F	1/2" G F	1/2" G F
Max absorbed power	W	140	140	120	120	210	210	240	240	270	270
Max absorbed current	A	0,64	0,64	0,58	0,58	0,95	0,95	1,10	1,10	1,20	1,20
Electrical 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
DIMENSION											
Built-in											
L	(mm)	601	601	791	791	981	981	1171	1171	1361	1361
H	(mm)	495	495	495	495	495	495	495	495	495	495
P	(mm)	225	225	225	225	225	225	225	225	225	225
Weight	kg	18	18	21	21	27	27	29	29	40	40

Note:

- 1 Operation in cooling mode: room temperature 27°C d.b./19°C w.b., chilled water at inlet 7°C and at outlet 12°C
- 2 Operation in heating mode: room temperature 20°C d.b., hot water at inlet 70°C and at outlet 60°C
- 3 Operation in heating mode: room temperature 20°C d.b., hot water at inlet 50°C, with identical flow rate that in the cooling mode
- 4 Sound pressure in semianechoic room at 1 m from fan front and 1 m from the ground

Dimension



NFT 102÷703



Residential fan-coils with cabinet or concealed version

0,86 - 4,25 kW

Unit Description

NFT belongs to residential fan coil range by Climaveneta. This compact fan coil incorporates a tangential low noise fan. They are designed for residential market and small tertiary installation. Wall-mounted LIFE controls: NSW, PSW, MTW, ATW could be connected. NFT participates to EUROVENT certification programme.

Commands

NSW 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). Setting for minimum temperature thermostat.

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.

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 pipes installation), ON/OFF second valve unit control (winter for 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 Building Management System.

CE Plug-in

Control for plug-in installation on fan coil. Off/summer/winter/auto selector switch. Three speed/auto selector switch. Thermostat with set point regulation. Air and water probe. ON/OFF valve unit control (summer/winter for 2 pipes installation), ON/OFF second valve unit control (winter for 4 pipes installation).

PCE wall-mounted

Off/summer/winter/auto selector switch. Room temperature control. Room temperature sensor. Coil temperature sensor. Three speed air flow control + Auto. Automatic summer/winter switching. Automatic ON/OFF valve control.

Versions

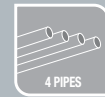
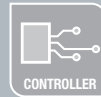
I	version without cabinet
U	version with cabinet

Features

Plastic air intake and outlet grille;
 Very low noise fan unit;
 6-speed autotransformer;
 Air filter on all models;
 Cabinet in galvanised steel for maximum resistance to rust;
 Automatically closing flap to cover and protect electric controls from dripping water (in conformity with directive 60335-2-40);
 Lockable control covers;
 Plug-in controls fixing bracket;

Main accessories

- Pair of decorative and structural feet
- Air intake grille kit with version cover
- IR receiver for CE comand with remote control
- Interface SPB Kit
- Rear panel for vertical housing
- Horizontal and vertical fan coil auxiliary tray
- Hose kit
- In-line delivery plenum kit
- Front air intake plenum for built-in version
- Manual external air intake lock kit
- Main coil valve unit ON/OFF, PWM
- Additional coil valve unit ON/OFF, PWM



NFT / U

Modelli		102	202	302	402	502	603
Air flow rate							
Max speed	m3/h	310	310	410	410	590	610
Med speed	m3/h	250	250	330	330	450	470
Min speed	m3/h	175	175	250	250	300	320
Total output cooling capacity (1)							
Max speed (1)	kW	0,86	1,51	2,02	2,51	3,4	4,25
Med speed (1)	kW	0,62	1,18	1,7	2	2,75	3,5
Min speed (1)	kW	0,49	0,85	1,35	1,63	1,95	2,4
Sensible output cooling capacity (1)							
Max speed (1)	kW	0,8	1,22	1,67	1,97	2,65	3,32
Med speed (1)	kW	0,56	0,92	1,36	1,52	2,05	2,65
Min speed (1)	kW	0,4	0,67	1,05	1,23	1,4	1,75
Max Water flow (1)	l/h	147	259	346	430	580	730
Max Pressure drop (1)	kPa	10,6	9	24,5	27,1	28	25,6
Total output heating capacity (2)							
Max speed (2)	kW	2,3	3,5	4,6	5,7	7	9,5
Med speed (2)	kW	1,9	3	3,8	4,5	5,8	7,2
Min speed (2)	kW	1,42	2,2	3	3,6	4,5	5,5
Max Water flow (2)	l/h	200	307	404	499	614	830
Max Pressure drop (2)	kPa	3	3	9	13	16	14
Total output heating capacity (3)							
Max speed (3)	kW	1,25	1,95	2,6	2,86	4,2	5,26
Med speed (3)	kW	0,97	1,6	2,3	2,35	3,3	4,23
Min speed (3)	kW	0,8	1,3	1,8	1,94	2,5	2,91
Water flow Max (3)	l/h	147	259	346	430	580	730
Pressure drop Max (3)	kPa	10,4	8,2	22,9	24,9	27	17
Output supplementary coil (2)							
Max speed (2)	kW	2,1	2,1	2,7	2,9	3,3	3,8
Water flow Max (2)	l/h	180	180	240	250	310	330
Pressure drop Max (2)	kPa	3	3	9	10	11	13
Sound pressure level (4)							
Max speed (4)	dB(A)	37	41	41	41	48	48
Med speed (4)	dB(A)	30	34	33	37	36	45
Min speed (4)	dB(A)	30	25	23	24	33	29
Sound power (5)							
Max speed (5)	dB(A)	48	52	52	52	59	59
Med speed (5)	dB(A)	41	45	44	48	47	56
Min speed (5)	dB(A)	41	36	34	35	44	40
Fan							
Water IN connection	inch						
Water OUT connection	inch						
Max absorbed power	W	48	50	58	58	68	68
Max absorbed current	A	0,23	0,24	0,25	0,25	0,35	0,35
Electrical power supply	V-Ph-Hz	230V~50Hz	230V~50Hz	230V~50Hz	230V~50Hz	230V~50Hz	230V~50Hz
DIMENSION							
With Cabinet							
L	(mm)	720	720	910	910	1100	1100
H	(mm)	535	535	535	535	535	535
P	(mm)	200	200	200	200	200	200
Weight	kg	18	19	22	23	25	27

Note:

- 1 Operation in cooling mode: room temperature 27°C d.b./19°C w.b., chilled water at inlet 7°C and at outlet 12°C
- 2 Operation in heating mode: room temperature 20°C d.b., hot water at inlet 70°C and at outlet 60°C
- 3 Operation in heating mode: room temperature 20°C d.b., hot water at inlet 50°C, with identical flow rate that in the cooling mode
- 4 Noise level measured at 1 m in open field conditions
- 5 Sound power on the basis of measurements made in compliance with Eurovent 8/2

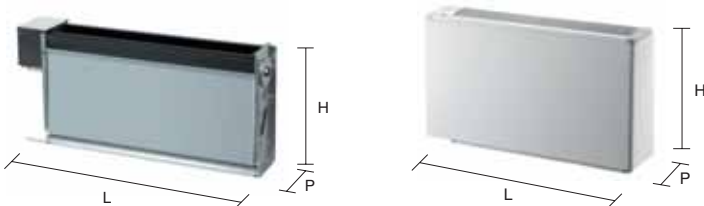
NFT / I

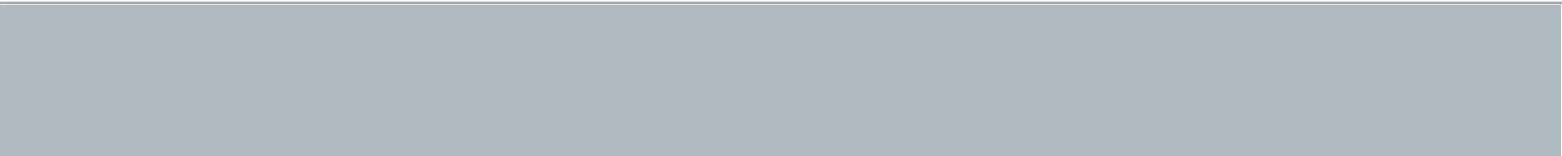
Modelli		102	202	302	402	502	603
Air flow rate							
Max speed	m3/h	310	310	410	410	590	610
Med speed	m3/h	250	250	330	330	450	470
Min speed	m3/h	175	175	250	250	300	320
Total output cooling capacity (1)							
Max speed (1)	kW	0,86	1,51	2,02	2,51	3,4	4,25
Med speed (1)	kW	0,62	1,18	1,7	2	2,75	3,5
Min speed (1)	kW	0,49	0,85	1,35	1,63	1,95	2,4
Sensible output cooling capacity (1)							
Max speed (1)	kW	0,8	1,22	1,67	1,97	2,65	3,32
Med speed (1)	kW	0,56	0,92	1,36	1,52	2,05	2,65
Min speed (1)	kW	0,4	0,67	1,05	1,23	1,4	1,75
Max Water flow (1)	l/h	147	259	346	430	580	730
Max Pressure drop (1)	kPa	10,6	9	24,5	27,1	28	25,6
Total output heating capacity (2)							
Max speed (2)	kW	2,3	3,5	4,6	5,7	7	9,5
Med speed (2)	kW	1,9	3	3,8	4,5	5,8	7,2
Min speed (2)	kW	1,42	2,2	3	3,6	4,5	5,5
Max Water flow (2)	l/h	200	307	404	499	614	830
Max Pressure drop (2)	kPa	3	3	9	13	16	14
Total output heating capacity (3)							
Max speed (3)	kW	1,25	1,95	2,6	2,86	4,2	5,26
Med speed (3)	kW	0,97	1,6	2,3	2,35	3,3	4,23
Min speed (3)	kW	0,8	1,3	1,8	1,94	2,5	2,91
Water flow Max (3)	l/h	147	259	346	430	580	730
Pressure drop Max (3)	kPa	10,4	8,2	22,9	24,9	27	17
Output supplementary coil (2)							
Max speed (2)	kW	2,1	2,1	2,7	2,9	3,3	3,8
Water flow Max (2)	l/h	180	180	240	250	310	330
Pressure drop Max (2)	kPa	3	3	9	10	11	13
Sound pressure level (4)							
Max speed (4)	dB(A)	37	41	41	41	48	48
Med speed (4)	dB(A)	30	34	33	37	36	45
Min speed (4)	dB(A)	30	25	23	24	33	29
Sound power (5)							
Max speed (5)	dB(A)	48	52	52	52	59	59
Med speed (5)	dB(A)	41	45	44	48	47	56
Min speed (5)	dB(A)	41	36	34	35	44	40
Fan							
Water IN connection	inch						
Water OUT connection	inch						
Max absorbed power	W	48	50	58	58	68	68
Max absorbed current	A	0,23	0,24	0,25	0,25	0,35	0,35
Electrical power supply	V-Ph-Hz	230V~50Hz	230V~50Hz	230V~50Hz	230V~50Hz	230V~50Hz	230V~50Hz
DIMENSION							
Built-in							
L	(mm)	545	545	735	735	925	925
H	(mm)	503	503	503	503	503	503
P	(mm)	195	195	195	195	195	195
Weight	kg	13	14	15	16	18	20

Note:

- 1 Operation in cooling mode: room temperature 27°C d.b./19°C w.b., chilled water at inlet 7°C and at outlet 12°C
- 2 Operation in heating mode: room temperature 20°C d.b., hot water at inlet 70°C and at outlet 60°C
- 3 Operation in heating mode: room temperature 20°C d.b., hot water at inlet 50°C, with identical flow rate that in the cooling mode
- 4 Noise level measured at 1 m in open field conditions
- 5 Sound power on the basis of measurements made in compliance with Eurovent 8/2

Dimension





MHD 30÷60



Versions

- 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;
Removable panel;
Management of all functions by remote control

Main accessories

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

Hi-wall type terminal

2,15 - 4,7 kW

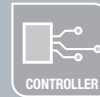
Unit Description

MHD 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.

Commands

Remote control

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

NEW!

MHD / -

Modelli		30	40	50	60
Air flow rate					
Max speed	m3/h	436	632	780	920
Med speed	m3/h	376	522	691	810
Min speed	m3/h	334	403	570	697
Total output cooling capacity (1)					
Max speed (1)	kW	2,15	2,80	4	4,70
Med speed (1)	kW	1,85	2	3,40	3,90
Min speed (1)	kW	1,65	1,75	3,10	3,35
Sensible output cooling capacity (1)					
Max speed (1)	kW	1,82	2,48	3,40	3,60
Med speed (1)	kW	1,60	1,75	2,90	3,30
Min speed (1)	kW	1,45	1,55	2,60	2,85
Max Water flow (1)	l/h				
Max Pressure drop (1)	kPa	10	16	37	46
Total output heating capacity (2)					
Max speed (2)	kW	2,70	3,60	4,90	5,80
Med speed (2)	kW	2,30	2,55	4,20	4,85
Min speed (2)	kW	1,98	2,20	3,80	4,15
Water flow Max (2)	l/h				
Pressure drop Max (2)	kPa	9	15	35	4
Sound power (3)	dB(A)				
Max speed (3)	dB(A)	45	52	55	60
Med speed (3)	dB(A)	42	42	52	56
Min speed (3)	dB(A)	38	39	48	53
Water IN connection	mm	12	12	12	12
Water OUT connection	mm	12	12	12	12
Max absorbed power	W	24	28	40	50
Max absorbed current	A				
Electrical power supply	V-Ph~Hz	230-1-50	230-1-50	230-1-50	230-1-50
DIMENSION					
L	mm	845	845	940	940
H	mm	270	270	298	298
P	mm	180	180	200	200
Weight	kg	10	10	13	13

Note:

- 1 Operation in cooling mode: room temperature 27°C d.b./19°C w.b., chilled water at inlet 7°C and at outlet 12°C
- 2 Operation in heating mode: room temperature 20°C d.b., hot water at inlet 50°C, with identical flow rate that in the cooling mode
- 3 Sound power on the basis of measurements made in compliance with Eurovent 8/2

Dimension



CHD 506÷1209



Cassette type terminal

2,7 - 9,3 kW

Unit Description

New CHD fan-coil cassette of Climaveneta, electro-mechanical unit, 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. CHD units are registered in the EUROVENT certification programme.

Commands

NSW 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). Setting for minimum temperature thermostat.

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.

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 pipes installation), ON/OFF second valve unit control (winter for 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 Building Management System.

Versions

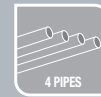
U-2T	electromechanical version for 2-pipe system
U-4T	electromechanical version for 4-pipe system

Features

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 30 bar;
Electrical power and control switchboard, complete with electronic air flow regulator and terminal board for connection to network and available remote controls;
Internal insulation in closed cell expanded polyethylene with suitable thick to limit heat loss and noise emission;
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;

Main accessories

- Air duct connection kit
- Main coil 2-way/3-way valve unit
- Additional coil 2-way/3-way valve unit

NEW!

CHD / U-2T

Modelli		506	606	706	809	1109	1209
Air flow rate							
Max speed	m3/h						
Med speed	m3/h						
Min speed	m3/h						
Total output cooling capacity (1)							
Max speed (1)	kW	2,45	3,50	4,62	4,96	9,05	9,36
Med speed (1)	kW	2,08				8,16	
Min speed (1)	kW	1,81				7,17	
Sensible output cooling capacity (1)							
Max speed (1)	kW	2,15				7,47	
Med speed (1)	kW	1,86				6,68	
Min speed (1)	kW	1,36				5,83	
Max Water flow (1)	l/h						
Max Pressure drop (1)	kPa	5				38	
Total output heating capacity (2)							
Max speed (2)	kW	3,38				11,8	
Med speed (2)	kW	2,83				10,3	
Min speed (2)	kW	2,43				9,08	
Water flow Max (2)	l/h						
Pressure drop Max (2)	kPa	4				33	
Sound power (3)							
Max speed (3)	dB(A)	54				63	
Med speed (3)	dB(A)	46				58	
Min speed (3)	dB(A)	41				54	
Water content	l						
Hot coil water content	l						
Hot water coil connection	inch						
Cool water coil connection	inch						
Max absorbed power	W	75				180	
Max absorbed current	A						
Electrical power supply	V-Ph-Hz	230-1-50				230-1-50	
DIMENSION							
L	(mm)	570	570	570	843	843	843
H	(mm)	310	310	310	314	314	314
P	(mm)	570	570	570	843	843	843
Weight	kg	22	22	22	27	30	30

Note:

- 1 Operation in cooling mode: room temperature 27°C d.b./19°C w.b., chilled water at inlet 7°C and at outlet 12°C
- 2 Operation in heating mode: room temperature 20°C d.b., hot water at inlet 50°C, with identical flow rate that in the cooling mode
- 3 Sound power on the basis of measurements made in compliance with Eurovent 8/2

CHD / U-4T

Modelli		506	606	706	909	1109	1209
Air flow rate							
Max speed	m3/h						
Med speed	m3/h						
Min speed	m3/h						
Total output cooling capacity (1)							
Max speed (1)	kW	2,69	2,75	4,01	6,97	8,29	9,30
Med speed (1)	kW		2,31				
Min speed (1)	kW		1,93				
Sensible output cooling capacity (1)							
Max speed (1)	kW		2,46				
Med speed (1)	kW		2,10				
Min speed (1)	kW		1,70				
Max Water flow (1)	l/h						
Max Pressure drop (1)	kPa		8				
Total output heating capacity (2)							
Max speed (2)	kW		3,86				
Med speed (2)	kW		3,33				
Min speed (2)	kW		2,96				
Water flow Max (2)	l/h						
Pressure drop Max (2)	kPa		18				
Sound power (3)							
Max speed (3)	dB(A)		53				
Med speed (3)	dB(A)		47				
Min speed (3)	dB(A)		42				
Water content	l						
Hot coil water content	l						
Hot water coil connection	inch						
Cool water coil connection	inch						
Max absorbed power	W		80				
Max absorbed current	A						
Electrical power supply	V-Ph-Hz		230-1-50				
DIMENSION							
L	(mm)	570	570	570	843	843	843
H	(mm)	310	310	310	314	314	314
P	(mm)	570	570	570	843	843	843
Weight	kg	22	22	22	27	30	30

Note:

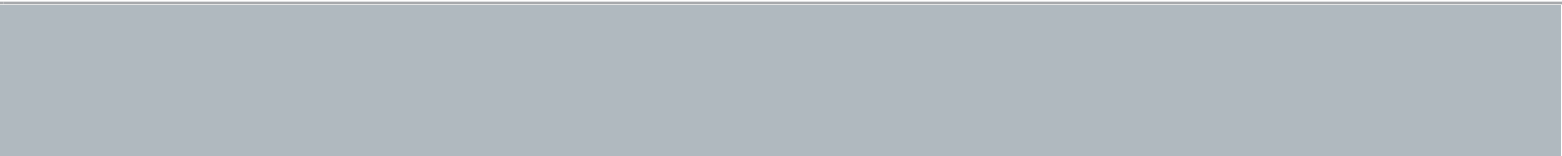
1 Operation in cooling mode: room temperature 27°C d.b./19°C w.b., chilled water at inlet 7°C and at outlet 12°C

2 Operation in heating mode: room temperature 20°C d.b., hot water at inlet 70°C and at outlet 60°C

3 Sound power on the basis of measurements made in compliance with Eurovent 8/2

Dimension





HWD 602÷1104



Ducted type terminal

4,8 - 15,1 kW

Unit Description

HWD are Climaveneta ducted hydronic terminal units. The fan units at available working pressures, through internal insulation, ensure excellent acoustic comfort levels. The compactness and ease of installation make HWD a suitable hydronic terminal unit for any type of setting.

Commands

NSW 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). Setting for minimum temperature thermostat.

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.

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 pipes installation), ON/OFF second valve unit control (winter for 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 Building Management System.

PCE wall-mounted

Off/summer/winter/auto selector switch. Room temperature control. Room temperature sensor. Coil temperature sensor. Three speed air flow control + Auto. Automatic summer/winter switching. Automatic ON/OFF valve control.

Versions

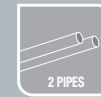
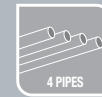
- base version
- E electronic regulation version with remote control

Features

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 30 bar;
 Electrical power and control switchboard complete with electronic air flow regulator and terminal blocks for connection to power supply and remote control;
 Internal insulation in closed cell expanded polyethylene with suitable thick to limit heat loss and noise emission;
 The fan unit high pressure are fitted with balanced impellers to guarantee minimum noise levels;
 Structure and base plate in hot-dip galvanised steel for maximum resistance to rust;
 Extra modules available as accessories to the standard unit;
 Remote control to manage main unit functions to provide a total environment comfort. Full Auto function;
 Arrangement for electronic control of two on/off or modulating valve unit in the water circuit;

Main accessories

- Interface SPB Kit
- Hot water coil kit
- Air purifier module with activated carbon filter
- Heating element module
- Humidifier module
- Delivery and intake plenum
- Delivery plenum for round ducts
- Two way intake plenum with air lock
- Condensate drain pump



HWD / -

Modelli		602	703	803	904	1003	1104
Air flow rate							
Max speed	m3/h	1300	1300	1600	1600	2200	2500
Med speed	m3/h	1171	1171	1357	1357	1985	2243
Min speed	m3/h	1021	1021	1057	1057	1585	1771
Useful head (basic unit with filter)	Pa	60	60	60	60	60	60
Total output cooling capacity (1)							
Max speed (1)	kW	4,80	6,20	8,00	9,70	11,5	15,1
Med speed (1)	kW	4,50	5,70	7,20	8,50	10,7	13,9
Min speed (1)	kW	4,10	5,20	6,00	7,00	9,10	11,7
Sensible output cooling capacity (1)							
Max speed (1)	kW	3,00	4,00	5,20	6,50	7,40	10,2
Med speed (1)	kW	2,80	3,70	4,60	5,90	6,90	9,70
Min speed (1)	kW	2,60	3,40	3,90	4,80	6,00	8,00
Max Pressure drop (1)	kPa	12	8	14	13	24	23
Total output heating capacity (2)							
Max speed (2)	kW	6,61	8,48	10,5	12,1	14,8	18,7
Med speed (2)	kW	6,19	7,88	9,34	10,7	13,7	17,3
Min speed (2)	kW	5,65	7,13	7,75	8,73	11,6	14,3
Pressure drop Max (2)	kPa	10	7	12	11	21	20
Output supplementary coil (3)							
Max speed (3)	kW	9,10	9,10	11,8	11,8	16,7	18,0
Pressure drop Max (3)	kPa	9	9	14	14	13	15
Sound power (4)							
Max speed (4)	dB(A)	68	68	72	72	78	80
Med speed (4)	dB(A)	65	65	69	69	76	77
Min speed (4)	dB(A)	62	62	63	63	70	72
Hydraulic connections main coil	inch	1/2"	1/2"	3/4"	3/4"	1"	1"
Hydraulic connections supplementary coil	inch	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
Max absorbed power	W	370	370	440	440	900	900
Max absorbed current	A	1,30	1,30	1,55	1,55	3,50	3,50
Electrical power supply	V-Ph~Hz	230V~50Hz	230V~50Hz	230V~50Hz	230V~50Hz	230V~50Hz	230V~50Hz
DIMENSION							
Built-in							
L	(mm)	900	900	1050	1050	1250	1250
H	(mm)	295	295	295	295	315	315
P	(mm)	695	695	695	695	750	750
Weight	kg	41	43	50	52	63	63

Note:

- 1 Operation in cooling mode: room temperature 27°C d.b./19°C w.b., chilled water at inlet 7°C and at outlet 12°C
- 2 Operation in heating mode: room temperature 20°C d.b., hot water at inlet 50°C, with identical flow rate that in the cooling mode
- 3 Operation in heating mode: room temperature 20°C d.b., hot water at inlet 70°C and at outlet 60°C
- 4 Sound power on the basis of measurements made in compliance with Eurovent 8/12

HWD / E

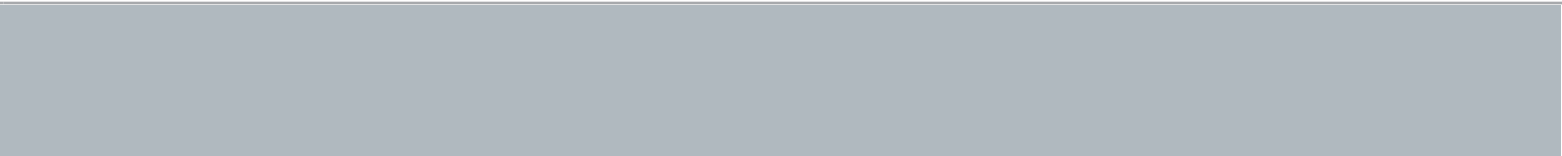
Modelli		602	703	803	904	1003	1104
Air flow rate							
Max speed	m ³ /h	1300	1300	1600	1600	2200	2500
Med speed	m ³ /h	1171	1171	1357	1357	1985	2243
Min speed	m ³ /h	1021	1021	1057	1057	1585	1771
Useful head (basic unit with filter)	Pa	60	60	60	60	60	60
Total output cooling capacity (1)							
Max speed (1)	kW	4,80	6,20	8,00	9,70	11,5	15,1
Med speed (1)	kW	4,50	5,70	7,20	8,50	10,7	13,9
Min speed (1)	kW	4,10	5,20	6,00	7,00	9,10	11,7
Sensible output cooling capacity (1)							
Max speed (1)	kW	3,00	4,00	5,20	6,50	7,40	10,2
Med speed (1)	kW	2,80	3,70	4,60	5,90	6,90	9,70
Min speed (1)	kW	2,60	3,40	3,90	4,80	6,00	8,00
Max Pressure drop (1)	kPa	12	8	14	13	24	23
Total output heating capacity (2)							
Max speed (2)	kW	6,61	8,48	10,5	12,1	14,8	18,7
Med speed (2)	kW	6,19	7,88	9,34	10,7	13,7	17,3
Min speed (2)	kW	5,65	7,13	7,75	8,73	11,6	14,3
Pressure drop Max (2)	kPa	10	7	12	11	21	20
Output supplementary coil (3)							
Max speed (3)	kW	9,10	9,10	11,8	11,8	16,7	18,0
Pressure drop Max (3)	kPa	9	9	14	14	13	15
Sound power (4)							
Max speed (4)	dB(A)	68	68	72	72	78	80
Med speed (4)	dB(A)	65	65	69	69	76	77
Min speed (4)	dB(A)	62	62	63	63	70	72
Hydraulic connections main coil	inch	1/2"	1/2"	3/4"	3/4"	1"	1"
Hydraulic connections supplementary coil	inch	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
Max absorbed power	W	370	370	440	440	900	900
Max absorbed current	A	1,30	1,30	1,55	1,55	3,50	3,50
Electrical power supply	V-Ph-Hz	230V~50Hz	230V~50Hz	230V~50Hz	230V~50Hz	230V~50Hz	230V~50Hz
DIMENSION							
Built-in							
L	(mm)	900	900	1050	1050	1250	1250
H	(mm)	295	295	295	295	315	315
P	(mm)	695	695	695	695	750	750
Weight	kg	41	43	50	52	63	63

Note:

- 1 Operation in cooling mode: room temperature 27°C d.b./19°C w.b., chilled water at inlet 7°C and at outlet 12°C
- 2 Operation in heating mode: room temperature 20°C d.b., hot water at inlet 50°C, with identical flow rate that in the cooling mode
- 3 Operation in heating mode: room temperature 20°C d.b., hot water at inlet 70°C and at outlet 60°C
- 4 Sound power on the basis of measurements made in compliance with Eurovent 8/12

Dimension





HWD-HP 0071÷0121



High head ducted type terminal

16,8 - 29,8 kW

Unit Description

HWD HP belongs to ducted type fan-coils high head of Climaveneta. The possibility of vertical or horizontal installation, airflow adjustment and attractive external panelling guarantees an ease installation and make the unit adaptable to any type of surroundings.

Commands

NSW 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). Setting for minimum temperature thermostat.

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.

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 pipes installation), ON/OFF second valve unit control (winter for 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 Building Management System.

PCE wall-mounted

Off/summer/winter/auto selector switch. Room temperature control. Room temperature sensor. Coil temperature sensor. Three speed air flow control + Auto. Automatic summer/winter switching. Automatic ON/OFF valve control.

Versions

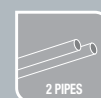
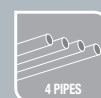
- base version

Features

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 30 bar; The electrical power and control switchboard includes electronic air flow regulator and terminal blocks for connection to power supply and remote control; Internal insulation in closed cell expanded polyethylene with suitable thick to limit heat loss and noise emission; The fan unit high pressure are fitted with balanced impellers to guarantee minimum noise levels; Cabinet in galvanised steel for maximum resistance to rust; Extra modules available as accessories to the standard unit;

Main accessories

- Interface SPB Kit
- Hot water coil kit
- Heating element module
- Delivery and intake plenum
- Intake grill
- Two way intake plenum with air lock
- Ceiling brackets
- Auxiliary condensate collecting tray



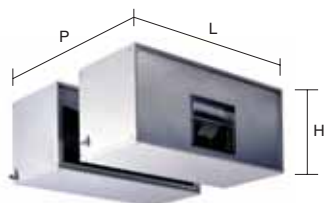
HWD-HP / -

Modelli		0071	0091	0101	0121
Total output cooling capacity (1)	kW	16,8	20	23,4	29,8
Sensitive output cooling capacity (1)	kW	12,3	14,4	17,3	21,7
Total output heating capacity (2)	kW	16,3	19,6	23	29,5
Heating capacity standard coil (3)	kW	34,6	40	47,8	60,4
Output supplementary coil (3)	kW	25	25	36	39
Pressure drop main coil (1)	kPa	24	22	14	12
Pressure drop additional coil (3)	kPa	14	14	19	22
Absorbed power	kW	0,68	0,68	1,75	2,24
Absorbed current at nominal conditions	A	2,9	2,9	7,9	9,5
Nominal air flow	m ³ /h	3200	3200	4400	5000
Useful head (basic unit with filter)	Pa	105	93	250	141
Hydraulic connections main coil	inch	1"1/4	1"1/4	1"1/2	1"1/2
Hydraulic connections supplementary coil	inch	3/4"	3/4"	1	1
Sound pressure level (4)	dB(A)	60	60	66	69
Electrical power supply	V-Ph~Hz	230V~50Hz	230V~50Hz	230V~50Hz	230V~50Hz
DIMENSION					
L	mm	1300	1300	1500	1500
H	mm	510	510	625	625
P	mm	1119	1119	1349	1349
Weight	kg	121	124	145	149

Note:

- 1 Operation in cooling mode: room temperature 27°C d.b./19°C w.b., chilled water at inlet 7°C and at outlet 12°C
- 2 Operation in heating mode: room temperature 20°C d.b., hot water at inlet 45°C and at outlet 40°C
- 3 Operation in heating mode: room temperature 20°C d.b., hot water at inlet 70°C and at outlet 60°C
- 4 Noise level measured at 1 m in open field conditions

Dimension



HRD 0021÷0151



Heat recuperator unit

290 - 4000 m³/h

Unit Description

HRD heat recuperator units for residential and commercial application allow maximum room comfort and energy saving. In modern systems is becoming necessary to create forced ventilation, which involves air conditioned expelling; thereby consuming more energy and consequent increasing costs. HRD heat recuperators have obviated such as problems using an aluminium static recovery unit that saves more than 50% energy, otherwise be lost with expelled stale air. HRD can be integrated in traditional systems with fan coils, chillers and radiators and may operate both in summer and winter. These units are recommended for suspended ceiling installation and may be suitably ducted to allow the fresh air intake and distribution.

Commands

NSW 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). Setting for minimum temperature thermostat.

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.

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 pipes installation), ON/OFF second valve unit control (winter for 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 Building Management System.

PCE wall-mounted

Off/summer/winter/auto selector switch. Room temperature control. Room temperature sensor. Coil temperature sensor. Three speed air flow control + Auto. Automatic summer/winter switching. Automatic ON/OFF valve control.

Versions

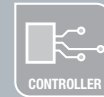
- base version

Features

Removable aluzink plate side panels;
Panels insulated and soundproofed with polyethylene/polyester with average thickness of 10 mm (mod. HRD 0021-0051) and 20 mm for the other models;
High efficiency aluminium plate static type heat recovery units, with airflow separated by special seals;
UE3 efficiency air filters, which may be easily removed from any side of the unit (bottom, side, top) for periodic cleaning;
Fan casings on vibration-isolation mountings;
Double inlet centrifugal fans for fresh air intake and used air extraction, which may be removed from any side of the unit for periodic maintenance;
Multi speed directly coupled electric motor;
A terminal block with a relay board is fitted on the unit to aid electrical connections and fan control;
Stainless steel condensate collecting tray, with condensate drain directed downwards;

Main accessories

- Interface SPB Kit
- Hot water coil kit
- Cool water coil kit
- Heating element kit



HRD / -

Modelli		0021	0031	0051	0071	0091	0101	0121	0151
Max air flow	m3/h	290	600	1000	1400	1900	2500	3200	4000
Sound level Max (1)	dB(A)	54	56	54	59,5	58	57,5	60,5	62
Axle power available	W	2x45	2x90	2x147	2x350	2x350	2x350	2x550	2x750
Poles	N°	4	2	4	4	4	4	4	4
Max absorption	A	1,3	1,8	3,0	5,8	6,2	6,0	11,4	6,2
N° fan speeds	N°	2	1	3	3	3	3	3	2
Efficiency	%	52,3	54,6	53,4	52,1	51,8	57,6	56,0	55,6
Recuperated thermal power	kW	1	3	5	6	8	12	15	19
Renewal air temperature	°C	8,10	8,70	8,30	8,00	7,90	9,40	9,00	8,90
Efficiency		G3	G3	G3	G3	G3	G3	G3	G3
Frontal air speed	m/s	1,7	3,6	2,9	4,1	4,5	3,8	4,3	4,3
Protection grade	IP	20	54	44	55	44	55	20	55
Isolation grade		B	F	F	F	F	F	F	F
ESP	Pa	40	80	90	140	120	110	170	170
Electrical power supply internal unit	V-Ph-Hz	230V~50Hz	230V~50Hz	230V~50Hz	230V~50Hz	230V~50Hz	230V~50Hz	230V~50Hz	400V-3N-50Hz
DIMENSION									
L	mm	990	990	1150	1350	1450	1700	1700	1700
H	mm	270	270	385	410	470	490	530	630
P	mm	750	750	860	900	900	1230	1230	1230
Net weight	kg	39	41	68	91	99	140	155	179

Note:

1 Sound pressure measured at 1 m in open field conditions

Dimension

