

**High head ducted type terminal
5,87-21,9 kW**

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

Version

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

Features

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

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

Configurations for 2 and 4 pipe Systems.

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

Incorporated electrical heater, or electrical heater sections

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

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

Plastic drain pan for all Vertical versions.

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

Accessory

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

Controls

ATW wall mounted

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

MTW wall mounted

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

PSW wall mounted

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

a-HWD2 / DLIV-DFIV			102	202	302	402	502	602	702	802	902
ELECTRICAL DATA											
Power supply		V/ph/Hz	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
2 PIPES SYSTEM CONFIGURATION											
ENERGY EFFICIENCY											
COOLING (EN14511 VALUE)											
FCEER	(1)(6)	kW/kW	34	34	43	30	31	42	0	0	0
FCEER Class			D	D	C	D	D	C	G	G	G
HEATING ONLY (EN14511 VALUE)											
FCCOP	(2)(6)	kW/kW	41	42	49	37	39	49	0	0	0
FCCOP Class			C	C	C	D	D	C	G	G	G
PERFORMANCE											
MIN SPEED											
ESP External Static Pressure	(6)	Pa	24	26	29	18	20	21	27	35	36
Fan Power Input	(6)	W	128	149	149	175	222	222			
Air flow rate	(6)	m ³ /h	720	840	835	960	1280	1270	2400	2830	2800
Total capacity in cooling mode		kW	4,36	5,25	6,54	5,52	7,34	9,82			
Total Net Cooling Capacity	(1)(6)(7)	kW	4,23	5,10	6,39	5,35	7,12	9,60			
Sensible capacity in cooling mode		kW	3,57	4,35	4,65	4,49	6,11	6,83	9,05	12,0	13,6
Net sensible cooling capacity	(1)(6)(7)	kW	3,44	4,20	4,50	4,31	5,89	6,61			
Net latent power in cooling	(1)(6)(7)	kW	0,79	0,90	1,89	1,03	1,23	2,99			
Max water flow		l/s	0,21	0,25	0,31	0,26	0,35	0,47	0,54	0,73	0,89
Pressure Drop in cooling mode	(1)	kPa	15	20	20	7	11	13			
Total capacity (heating mode)		kW	4,40	5,34	6,18	5,57	7,47	9,39	12,3	16,7	18,9
Total Net Heating Capacity	(2)(6)	kW	4,53	5,49	6,33	5,75	7,69	9,62			
Water flow in heating mode		l/s	0,21	0,26	0,30	0,27	0,36	0,45	0,60	0,81	0,91
Pressure drop in heating mode	(2)	kPa	16	21	18	7	12	12			
Sound Pressure on inlet side Lp (IR)		dB(A)	37	42	44	38	43	45	39	47	48
Sound Power on inlet side Lw (IR)		dB(A)	48	53	55	49	54	56			
Sound Pressure on outlet side Lp (OD)		dB(A)	36	40	41	33	37	41	35	43	44
Sound Power on outlet side Lw (OD)		dB(A)	47	51	52	44	48	52			
MED SPEED											
ESP External Static Pressure	(6)	Pa	50	50	50	50	50	50	50	50	50
Fan Power Input	(6)	W	170	193	193	280	344	344			
Air flow rate	(6)	m ³ /h	1040	1160	1145	1620	1980	1960	3220	3380	3330
Total capacity in cooling mode		kW	5,66	6,35	7,96	8,17	10,0	13,4	14,1	17,5	21,0
Total Net Cooling Capacity	(1)(6)(7)	kW	5,49	6,16	7,77	7,89	9,68	13,0			
Sensible capacity in cooling mode		kW	4,74	5,38	5,78	6,94	8,69	9,57	11,5	13,9	15,6
Net sensible cooling capacity	(1)(6)(7)	kW	4,57	5,19	5,59	6,66	8,35	9,23			
Net latent power in cooling	(1)(6)(7)	kW	0,92	0,97	2,18	1,23	1,33	3,82			
Max water flow		l/s	0,27	0,30	0,38	0,39	0,48	0,64	0,68	0,84	1,00
Pressure Drop in cooling mode	(1)	kPa	26	30	30	15	22	24			
Total capacity (heating mode)		kW	5,82	6,59	7,67	8,39	10,4	13,1	15,6	19,4	21,7
Total Net Heating Capacity	(2)(6)	kW	5,99	6,78	7,86	8,67	10,7	13,5			
Water flow in heating mode		l/s	0,28	0,32	0,37	0,41	0,50	0,63	0,75	0,94	1,05
Pressure drop in heating mode	(2)	kPa	28	32	28	16	24	23			
Sound Pressure on inlet side Lp (IR)		dB(A)	47	49	50	49	51	52	51	53	54
Sound Power on inlet side Lw (IR)		dB(A)	58	60	61	60	62	63			
Sound Pressure on outlet side Lp (OD)		dB(A)	46	47	48	46	47	48	48	50	51
Sound Power on outlet side Lw (OD)		dB(A)	57	58	59	57	58	59			
MAX SPEED											
ESP External Static Pressure	(6)	Pa	66	59	59	76	64	61	63	56	56
Fan Power Input	(6)	W	193	212	212	344	390	390			
Air flow rate	(6)	m ³ /h	1190	1260	1240	2000	2200	2180	3690	3660	3640
Total capacity in cooling mode		kW	6,00	6,70	8,45	9,36	10,8	14,4	15,4	18,2	21,9
Total Net Cooling Capacity	(1)(6)(7)	kW	5,81	6,49	8,24	9,02	10,4	14,0			
Sensible capacity in cooling mode		kW	5,09	5,87	6,17	8,12	9,53	10,4	12,6	14,5	16,4
Net sensible cooling capacity	(1)(6)(7)	kW	4,90	5,66	5,96	7,78	9,14	9,99			
Net latent power in cooling	(1)(6)(7)	kW	0,91	0,83	2,28	1,24	1,28	4,03			
Max water flow		l/s	0,29	0,32	0,40	0,45	0,52	0,69	0,74	0,87	1,05
Pressure Drop in cooling mode	(1)	kPa	29	33	34	20	25	28			
Total capacity (heating mode)		kW	6,22	7,01	8,16	9,70	11,3	14,2	17,2	20,5	22,9
Total Net Heating Capacity	(2)(6)	kW	6,41	7,22	8,37	10,0	11,7	14,6			
Water flow in heating mode		l/s	0,30	0,34	0,39	0,47	0,55	0,68	0,83	0,99	1,11
Pressure drop in heating mode	(2)	kPa	32	37	32	22	28	27			
Sound Pressure on inlet side Lp (IR)		dB(A)	50	51	52	53	54	55	54	54	55
Sound Power on inlet side Lw (IR)		dB(A)	61	62	63	64	65	66			
Sound Pressure on outlet side Lp (OD)		dB(A)	49	50	50	49	50	51	51	51	52
Sound Power on outlet side Lw (OD)		dB(A)	60	61	61	60	61	62			
SIZE AND WEIGHT											
A	(5)	mm	880	880	880	1280	1280	1280	1680	1680	1680
B	(5)	mm	630	630	630	630	630	630	630	630	630
H	(5)	mm	275	275	275	275	275	275	275	275	275
Operating weight	(5)	kg	37	38	40	52	54	57	68	70	73

Notes:

- 1 Room temperature 27 °C d.b./19 °C w.b.; Chilled water (in/out) 7/12 °C.
- 2 Room temperature 20 °C d.b.; Hot water (in/out) 45/40 °C
- 5 Unit in standard configuration/execution, without optional accessories.
- 6 Values in compliance with EN14511-3:2013.
- 7 Values in compliance with [REGULATION (EU) N. 2016/2281]
- Certified data in EUROVENT

a-HWD2 / DLIO-DFIO			102	202	302	402	502	602	702	802	902
ELECTRICAL DATA											
Power supply		V/ph/Hz	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
2 PIPES SYSTEM CONFIGURATION											
ENERGY EFFICIENCY											
COOLING (EN14511 VALUE)											
FCEER	(1)(6)	kW/kW	34	34	43	30	31	42	0	0	0
FCEER Class			D	D	C	D	D	C	G	G	G
HEATING ONLY (EN14511 VALUE)											
FCCOP	(2)(6)	kW/kW	41	42	49	37	39	49	0	0	0
FCCOP Class			C	C	C	D	D	C	G	G	G
PERFORMANCE											
MIN SPEED											
ESP External Static Pressure	(6)	Pa	24	26	29	18	20	21	27	35	36
Fan Power Input	(6)	W	128	149	149	175	222	222			
Air flow rate	(6)	m³/h	720	840	835	960	1280	1270	2400	2830	2800
Total capacity in cooling mode		kW	4,36	5,25	6,54	5,52	7,34	9,82	11,4	15,3	18,5
Total Net Cooling Capacity	(1)(6)(7)	kW	4,23	5,10	6,39	5,35	7,12	9,60			
Sensible capacity in cooling mode		kW	3,57	4,35	4,65	4,49	6,11	6,83	9,05	12,0	13,6
Net sensible cooling capacity	(1)(6)(7)	kW	3,44	4,20	4,50	4,31	5,89	6,61			
Net latent power in cooling	(1)(6)(7)	kW	0,79	0,90	1,89	1,03	1,23	2,99			
Max water flow		l/s	0,21	0,25	0,31	0,26	0,35	0,47	0,54	0,73	0,89
Pressure Drop in cooling mode	(1)	kPa	15	20	20	7	11	13			
Total capacity (heating mode)		kW	4,40	5,34	6,18	5,57	7,47	9,39	12,3	16,7	18,9
Total Net Heating Capacity	(2)(6)	kW	4,53	5,49	6,33	5,75	7,69	9,62			
Water flow in heating mode		l/s	0,21	0,26	0,30	0,27	0,36	0,45	0,60	0,81	0,91
Pressure drop in heating mode	(2)	kPa	16	21	18	7	12	12			
Sound Pressure on inlet side Lp (IR)		dB(A)	37	42	44	38	43	45	39	47	48
Sound Power on inlet side Lw (IR)		dB(A)	48	53	55	49	54	56			
Sound Pressure on outlet side Lp (OD)		dB(A)	36	40	41	33	37	41	35	43	44
Sound Power on outlet side Lw (OD)		dB(A)	47	51	52	44	48	52			
MED SPEED											
ESP External Static Pressure	(6)	Pa	50	50	50	50	50	50	50	50	50
Fan Power Input	(6)	W	170	193	193	280	344	344			
Air flow rate	(6)	m³/h	1040	1160	1145	1620	1980	1960	3220	3380	3330
Total capacity in cooling mode		kW	5,66	6,35	7,96	8,17	10,0	13,4	14,1	17,5	21,0
Total Net Cooling Capacity	(1)(6)(7)	kW	5,49	6,16	7,77	7,89	9,68	13,0			
Sensible capacity in cooling mode		kW	4,74	5,38	5,78	6,94	8,69	9,57	11,5	13,9	15,6
Net sensible cooling capacity	(1)(6)(7)	kW	4,57	5,19	5,59	6,66	8,35	9,23			
Net latent power in cooling	(1)(6)(7)	kW	0,92	0,97	2,18	1,23	1,33	3,82			
Max water flow		l/s	0,27	0,30	0,38	0,39	0,48	0,64	0,68	0,84	1,00
Pressure Drop in cooling mode	(1)	kPa	26	30	30	15	22	24			
Total capacity (heating mode)		kW	5,82	6,59	7,67	8,39	10,4	13,1	15,6	19,4	21,7
Total Net Heating Capacity	(2)(6)	kW	5,99	6,78	7,86	8,67	10,7	13,5			
Water flow in heating mode		l/s	0,28	0,32	0,37	0,41	0,50	0,63	0,75	0,94	1,05
Pressure drop in heating mode	(2)	kPa	28	32	28	16	24	23			
Sound Pressure on inlet side Lp (IR)		dB(A)	47	49	50	49	51	52	51	53	54
Sound Power on inlet side Lw (IR)		dB(A)	58	60	61	60	62	63			
Sound Pressure on outlet side Lp (OD)		dB(A)	46	47	48	46	47	48	48	50	51
Sound Power on outlet side Lw (OD)		dB(A)	57	58	59	57	58	59			
MAX SPEED											
ESP External Static Pressure	(6)	Pa	66	59	59	76	64	61	63	56	56
Fan Power Input	(6)	W	193	212	212	344	390	390			
Air flow rate	(6)	m³/h	1190	1260	1240	2000	2200	2180	3690	3660	3640
Total capacity in cooling mode		kW	6,00	6,70	8,45	9,36	10,8	14,4	15,4	18,2	21,9
Total Net Cooling Capacity	(1)(6)(7)	kW	5,81	6,49	8,24	9,02	10,4	14,0			
Sensible capacity in cooling mode		kW	5,09	5,87	6,17	8,12	9,53	10,4	12,6	14,5	16,4
Net sensible cooling capacity	(1)(6)(7)	kW	4,90	5,66	5,96	7,78	9,14	9,99			
Net latent power in cooling	(1)(6)(7)	kW	0,91	0,83	2,28	1,24	1,28	4,03			
Max water flow		l/s	0,29	0,32	0,40	0,45	0,52	0,69	0,74	0,87	1,05
Pressure Drop in cooling mode	(1)	kPa	29	33	34	20	25	28			
Total capacity (heating mode)		kW	6,22	7,01	8,16	9,70	11,3	14,2	17,2	20,5	22,9
Total Net Heating Capacity	(2)(6)	kW	6,41	7,22	8,37	10,0	11,7	14,6			
Water flow in heating mode		l/s	0,30	0,34	0,39	0,47	0,55	0,68	0,83	0,99	1,11
Pressure drop in heating mode	(2)	kPa	32	37	32	22	28	27			
Sound Pressure on inlet side Lp (IR)		dB(A)	50	51	52	53	54	55	54	54	55
Sound Power on inlet side Lw (IR)		dB(A)	61	62	63	64	65	66			
Sound Pressure on outlet side Lp (OD)		dB(A)	49	50	50	49	50	51	51	51	52
Sound Power on outlet side Lw (OD)		dB(A)	60	61	61	60	61	62			
SIZE AND WEIGHT											
A	(5)	mm	880	880	880	1280	1280	1280	1680	1680	1680
B	(5)	mm	605	605	605	605	605	605	605	605	605
H	(5)	mm	275	275	275	275	275	275	275	275	275
Operating weight	(5)	kg	37	38	40	52	54	57	68	70	73

Notes:

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

2 Room temperature 20 °C d.b.; Hot water (in/out) 45/40 °C

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

6 Values in compliance with EN14511-3:2013.

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

Certified data in EUROVENT

a-HWD2 / DLIV-DFIV			104	204	404	504	704	804
ELECTRICAL DATA								
Power supply		V/ph/Hz	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
4 PIPES SYSTEM CONFIGURATION								
ENERGY EFFICIENCY								
COOLING (EN14511 VALUE)								
FCEER	(1)(6)	kW/kW	33	33	30	30	0	0
FCEER Class			D	D	D	D	G	G
HEATING ONLY (EN14511 VALUE)								
FCCOP	(2)(6)	kW/kW	31	31	30	30	0	0
FCCOP Class			D	D	D	D	G	G
PERFORMANCE								
MIN SPEED								
ESP External Static Pressure	(6)	Pa	24	26	18	20	27	35
Fan Power Input	(6)	W	128	149	175	222		
Air flow rate	(6)	m³/h	700	810	930	1240	2330	2750
Total capacity in cooling mode		kW	4,27	5,13	5,40	7,18	11,1	15,0
Total Net Cooling Capacity	(1)(6)(7)	kW	4,14	4,98	5,23	6,96		
Sensible capacity in cooling mode		kW	3,48	4,25	4,38	5,96	8,83	11,7
Net sensible cooling capacity	(1)(6)(7)	kW	3,35	4,10	4,20	5,74		
Net latent power in cooling	(1)(6)(7)	kW	0,79	0,88	1,02	1,22		
Max water flow		l/s	0,20	0,25	0,26	0,34	0,53	0,72
Pressure Drop in cooling mode	(1)	kPa	15	19	7	11		
Total capacity (heating mode)		kW	3,60	4,19	4,87	6,09	10,4	11,9
Total Net Heating Capacity	(2)(6)	kW	3,73	4,34	5,05	6,31		
Water flow in heating mode		l/s	0,09	0,10	0,12	0,15	0,25	0,29
Pressure drop in heating mode	(2)	kPa	5	7	4	7		
Sound Pressure on inlet side Lp (IR)		dB(A)	37	45	38	43	39	47
Sound Power on inlet side Lw (IR)		dB(A)	48	56	49	54		
Sound Pressure on outlet side Lp (OD)		dB(A)	36	43	33	37	35	0
Sound Power on outlet side Lw (OD)		dB(A)	47	54	44	48		
MED SPEED								
ESP External Static Pressure	(6)	Pa	50	50	50	50	50	50
Fan Power Input	(6)	W	170	193	280	344		
Air flow rate	(6)	m³/h	1010	1130	1570	1920	3130	3280
Total capacity in cooling mode		kW	5,53	6,21	7,99	9,80	13,8	17,1
Total Net Cooling Capacity	(1)(6)(7)	kW	5,36	6,02	7,71	9,46		
Sensible capacity in cooling mode		kW	4,63	5,25	6,77	8,48	11,2	13,5
Net sensible cooling capacity	(1)(6)(7)	kW	4,46	5,06	6,49	8,14		
Net latent power in cooling	(1)(6)(7)	kW	0,90	0,96	1,22	1,32		
Max water flow		l/s	0,26	0,30	0,38	0,47	0,66	0,82
Pressure Drop in cooling mode	(1)	kPa	25	28	15	21		
Total capacity (heating mode)		kW	4,72	5,33	7,23	8,57	13,1	13,7
Total Net Heating Capacity	(2)(6)	kW	4,89	5,53	7,51	8,91		
Water flow in heating mode		l/s	0,11	0,13	0,18	0,21	0,32	0,33
Pressure drop in heating mode	(2)	kPa	9	11	9	13		
Sound Pressure on inlet side Lp (IR)		dB(A)	47	49	49	51	51	53
Sound Power on inlet side Lw (IR)		dB(A)	58	60	60	62		
Sound Pressure on outlet side Lp (OD)		dB(A)	46	47	46	47	48	0
Sound Power on outlet side Lw (OD)		dB(A)	57	58	57	58		
MAX SPEED								
ESP External Static Pressure	(6)	Pa	66	59	76	64	63	56
Fan Power Input	(6)	W	193	212	344	390		
Air flow rate	(6)	m³/h	1150	1220	1940	2130	3620	3610
Total capacity in cooling mode		kW	5,87	6,56	9,15	10,6	15,2	18,0
Total Net Cooling Capacity	(1)(6)(7)	kW	5,68	6,35	8,81	10,2		
Sensible capacity in cooling mode		kW	4,96	5,73	7,92	9,30	12,4	14,4
Net sensible cooling capacity	(1)(6)(7)	kW	4,77	5,52	7,58	8,91		
Net latent power in cooling	(1)(6)(7)	kW	0,91	0,83	1,23	1,28		
Max water flow		l/s	0,28	0,31	0,44	0,51	0,73	0,86
Pressure Drop in cooling mode	(1)	kPa	28	32	19	24		
Total capacity (heating mode)		kW	5,24	5,69	8,47	9,39	14,4	14,4
Total Net Heating Capacity	(2)(6)	kW	5,43	5,90	8,81	9,78		
Water flow in heating mode		l/s	0,13	0,14	0,21	0,23	0,35	0,35
Pressure drop in heating mode	(2)	kPa	11	13	12	15		
Sound Pressure on inlet side Lp (IR)		dB(A)	50	51	53	54	54	54
Sound Power on inlet side Lw (IR)		dB(A)	61	62	64	65		
Sound Pressure on outlet side Lp (OD)		dB(A)	49	50	49	50	51	0
Sound Power on outlet side Lw (OD)		dB(A)	60	61	60	61		
SIZE AND WEIGHT								
A	(5)	mm	880	880	1280	1280	1680	1680
B	(5)	mm	630	630	630	630	630	630
H	(5)	mm	275	275	275	275	275	275
Operating weight	(5)	kg	39	40	55	57	72	74

Notes:

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

2 Room temperature 20 °C d.b.; Hot water (in/out) 45/40 °C

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

6 Values in compliance with EN14511-3:2013.

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

Certified data in EUROVENT

a-HWD2 / DLIO-DFIO

104

204

404

504

704

804

ELECTRICAL DATA

	V/ph/Hz	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
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4 PIPES SYSTEM CONFIGURATION

ENERGY EFFICIENCY

COOLING (EN14511 VALUE)

FCEER	(1)(6)	kW/kW	33	33	30	30	0	0
FCEER Class			D	D	D	D	G	G

HEATING ONLY (EN14511 VALUE)

FCCOP	(2)(6)	kW/kW	31	31	30	30	0	0
FCCOP Class			D	D	D	D	G	G

PERFORMANCE

MIN SPEED

ESP External Static Pressure	(6)	Pa	24	26	18	20	27	35
Fan Power Input	(6)	W	128	149	175	222		
Air flow rate	(6)	m ³ /h	700	810	930	1240	2330	2750
Total capacity in cooling mode		kW	4,27	5,13	5,40	7,18	11,1	15,0
Total Net Cooling Capacity	(1)(6)(7)	kW	4,14	4,98	5,23	6,96		
Sensible capacity in cooling mode		kW	3,48	4,25	4,38	5,96	8,83	11,7
Net sensible cooling capacity	(1)(6)(7)	kW	3,35	4,10	4,20	5,74		
Net latent power in cooling	(1)(6)(7)	kW	0,79	0,88	1,02	1,22		
Max water flow		l/s	0,20	0,25	0,26	0,34	0,53	0,72
Pressure Drop in cooling mode	(1)	kPa	15	19	7	11		
Total capacity (heating mode)		kW	3,60	4,19	4,87	6,09	10,4	11,9
Total Net Heating Capacity	(2)(6)	kW	3,73	4,34	5,05	6,31		
Water flow in heating mode		l/s	0,09	0,10	0,12	0,15	0,25	0,29
Pressure drop in heating mode	(2)	kPa	5	7	4	7		
Sound Pressure on inlet side Lp (IR)		dB(A)	37	45	38	43	39	47
Sound Power on inlet side Lw (IR)		dB(A)	48	56	49	54		
Sound Pressure on outlet side Lp (OD)		dB(A)	36	43	33	37	35	0
Sound Power on outlet side Lw (OD)		dB(A)	47	54	44	48		

MED SPEED

ESP External Static Pressure	(6)	Pa	50	50	50	50	50	50
Fan Power Input	(6)	W	170	193	280	344		
Air flow rate	(6)	m ³ /h	1010	1130	1570	1920	3130	3280
Total capacity in cooling mode		kW	5,53	6,21	7,99	9,80	13,8	17,1
Total Net Cooling Capacity	(1)(6)(7)	kW	5,36	6,02	7,71	9,46		
Sensible capacity in cooling mode		kW	4,63	5,25	6,77	8,48	11,2	13,5
Net sensible cooling capacity	(1)(6)(7)	kW	4,46	5,06	6,49	8,14		
Net latent power in cooling	(1)(6)(7)	kW	0,90	0,96	1,22	1,32		
Max water flow		l/s	0,26	0,30	0,38	0,47	0,66	0,82
Pressure Drop in cooling mode	(1)	kPa	25	28	15	21		
Total capacity (heating mode)		kW	4,72	5,33	7,23	8,57	13,1	13,7
Total Net Heating Capacity	(2)(6)	kW	4,89	5,53	7,51	8,91		
Water flow in heating mode		l/s	0,11	0,13	0,18	0,21	0,32	0,33
Pressure drop in heating mode	(2)	kPa	9	11	9	13		
Sound Pressure on inlet side Lp (IR)		dB(A)	47	49	49	51	51	53
Sound Power on inlet side Lw (IR)		dB(A)	58	60	60	62		
Sound Pressure on outlet side Lp (OD)		dB(A)	46	47	46	47	48	0
Sound Power on outlet side Lw (OD)		dB(A)	57	58	57	58		

MAX SPEED

ESP External Static Pressure	(6)	Pa	66	59	76	64	63	56
Fan Power Input	(6)	W	193	212	344	390		
Air flow rate	(6)	m ³ /h	1150	1220	1940	2130	3620	3610
Total capacity in cooling mode		kW	5,87	6,56	9,15	10,6	15,2	18,0
Total Net Cooling Capacity	(1)(6)(7)	kW	5,68	6,35	8,81	10,2		
Sensible capacity in cooling mode		kW	4,96	5,73	7,92	9,30	12,4	14,4
Net sensible cooling capacity	(1)(6)(7)	kW	4,77	5,52	7,58	8,91		
Net latent power in cooling	(1)(6)(7)	kW	0,91	0,83	1,23	1,28		
Max water flow		l/s	0,28	0,31	0,44	0,51	0,73	0,86
Pressure Drop in cooling mode	(1)	kPa	28	32	19	24		
Total capacity (heating mode)		kW	5,24	5,69	8,47	9,39	14,4	14,4
Total Net Heating Capacity	(2)(6)	kW	5,43	5,90	8,81	9,78		
Water flow in heating mode		l/s	0,13	0,14	0,21	0,23	0,35	0,35
Pressure drop in heating mode	(2)	kPa	11	13	12	15		
Sound Pressure on inlet side Lp (IR)		dB(A)	50	51	53	54	54	54
Sound Power on inlet side Lw (IR)		dB(A)	61	62	64	65		
Sound Pressure on outlet side Lp (OD)		dB(A)	49	50	49	50	51	0
Sound Power on outlet side Lw (OD)		dB(A)	60	61	60	61		

SIZE AND WEIGHT

A	(5)	mm	880	880	1280	1280	1680	1680
B	(5)	mm	605	605	605	605	605	605
H	(5)	mm	275	275	275	275	275	275
Operating weight	(5)	kg	39	40	55	57	72	74

Notes:

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

2 Room temperature 20 °C d.b.; Hot water (in/out) 45/40 °C

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