

redge[®] FORMERLY
LENNOX



ARMONIA ARMONIA ECM

Cassette Fan Coil Unit



CWC

MODEL
ARMOMIA
ARMONIA ECM

2

PIPE SYSTEM
2 - 2 pipes
4 - 4 pipes

EC

MOTOR
-- - AC motor
EC - ECM motor

MB

POWER BOARD
ST - Basic
MB - MB board

EH

ACCESSORIES
-- - None
EH - Electrical heater

1

SIZE
0
1
2
3
4
5
6
7
8

20

COIL COMPOSITION
20 - 2 Pipes
40 - 4 Pipes
60 - 4 Pipes (thicker coil for higher cooling emission)

AIR DIFFUSER

Intake grids, frame and adjustable air distribution louvers on each side, made from ABS.

Several Versions are available as options:

- # PLASTIC DIFFUSER - WHITE - NOT FITTED
- # PLASTIC DIFFUSER WITHOUT MOTORIZED FLAPS - WHITE - NOT FITTED
- # PLASTIC DIFFUSER WITH MOTORIZED FLAPS - WHITE - NOT FITTED
- # METALLIC DIFFUSER - WHITE - NOT FITTED
- # PLASTIC DIFFUSER IN DIFFERENT RAL COLOURS (Min. qty 20 pcs)
- # PLASTIC DIFFUSER IN DIFFERENT RAL COLOURS WITHOUT MOTORIZED FLAPS (Min. qty 20 pcs)
- # PLASTIC DIFFUSER IN DIFFERENT RAL COLOURS WITH MOTORIZED FLAPS (Min. qty 20 pcs)

INNER CASING

- # It is made of galvanized steel with internal thermal insulation with polyolefin (PO) foam (B-s2-d0 EN 13501-01) and external anti-condensate lining.

CONTROL DEVICES

- # Made of an external box with the control electronic board with an easily accessible terminal board.

VALVE SET

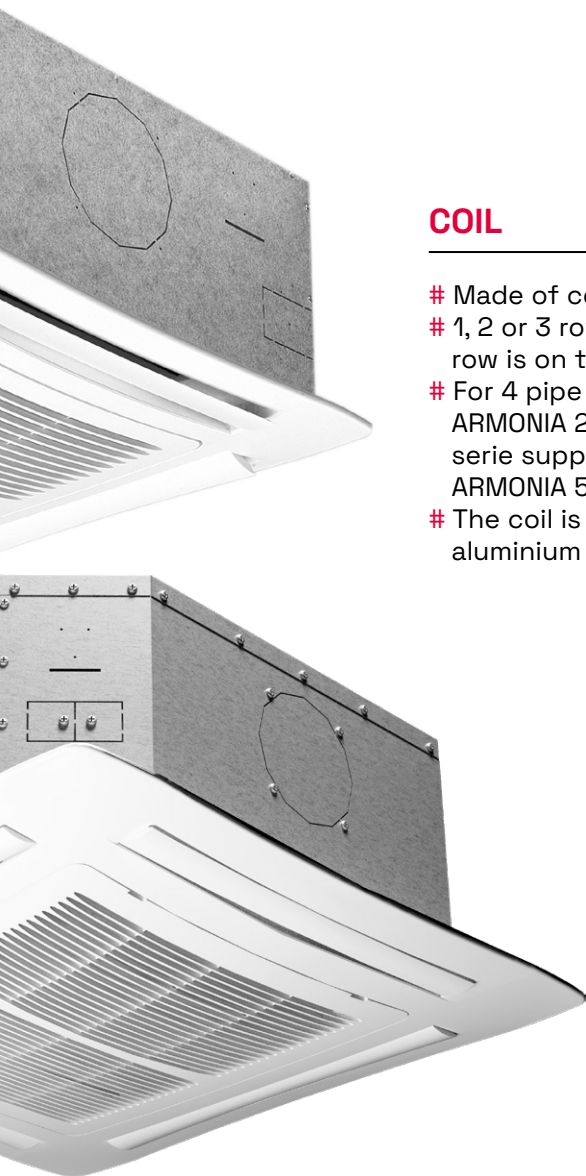
- # Two or three way valves for ON/OFF operation, with pipe mounting kit and lockshields.



600 X 600 VERSION

FAN ASSEMBLY

- # The fan assembly, which is mounted on anti-vibrating supports, is extremely silent.
- # The radial fan has been designed to optimise performance, using wing profile blades with a shape that reduces turbulence, increasing efficiency and reducing noise.
- # The motor is single phase 230 V / 50 Hz supply, class B insulation and integrated Klaxon thermal contact for motor protection.
- # The units are supplied with 3 standard speeds connected and it is possible to change them on site if necessary.



800 X 800 VERSION

COIL

- # Made of copper tubes with bonded aluminium fins for maximum transfer contact.
- # 1, 2 or 3 row coil for 2 pipe models and 2+1 row coil for 4 pipe models (the heating row is on the inside part of the coil).
- # For 4 pipe systems two versions are available: the ARMONIA 0.4T, ARMONIA 1.4T, ARMONIA 2.4T, ARMONIA 3.4T, ARMONIA 4.4T, ARMONIA 5.4T, ARMONIA 6.4T serie supply an higher heating emission; and the ARMONIA 2.6T, ARMONIA 3.6T, ARMONIA 5.6T, ARMONIA 6.6T serie supply an higher cooling emission.
- # The coil is not suitable for use in corrosive atmosphere or in environments where aluminium may be subject to corrosion.

CONDENSATE COLLECTION TRAY

- # High density ABS polystyrene foam condensate tray, shaped in order to optimize the air diffusion.
- # Fire retardant rating B1 to DIN 4102.

FILTER

- # Synthetic washable filter, easily removable.

CONDENSATE DRAIN PUMP

- # Float switch centrifugal pump with 650 mm of maximum head, integral to the unit and wired to the control panel on the outside of the casing.
- # The version with available pressure 1000 mm can be supplied on demand.

2 PIPE SYSTEM

The following standard rating conditions are used:

COOLING

Entering air temperature: + 27 °C d.b. + 19 °C w.b.

Water temperature: +7 °C E.W.T. +12 °C L.W.T.

HEATING

Entering air temperature: + 20 °C

Water temperature: +45 °C E.W.T. +40 °C L.W.T.

MODEL		ARMONIA 0.2T			ARMONIA 1.2T			ARMONIA 2.2T			ARMONIA 3.2T		
SPEED		1	2	3	1	2	3	1	2	3	1	2	3
Air flow	m³/h	310	420	610	310	420	520	320	500	710	430	610	880
Cooling total emission	kW	1,25	1,60	1,92	1,82	2,31	2,64	2,23	3,30	4,26	2,91	3,82	4,93
Cooling sensible emission	kW	0,99	1,29	1,58	1,33	1,72	2,00	1,55	2,35	3,11	2,05	2,75	3,65
Heating emission	kW	1,38	1,80	2,24	1,85	2,42	2,80	2,12	3,28	4,37	2,85	3,85	5,15
Dp Cooling	kPa	4,5	7,0	10,0	4,9	7,6	9,7	6,4	13,0	20,9	7,5	12,4	19,7
Dp Heating	kPa	4,4	7,2	10,7	4,3	6,9	9,0	2,8	6,1	10,2	6,2	10,6	17,8
Sound power (Lw)	dB(A)	33	40	49	33	40	45	33	45	53	41	49	59
Sound pressure (Lp) (1)	dB(A)	24	31	40	24	31	36	24	36	44	32	40	50
Fan	W	25	32	57	25	32	44	25	44	68	32	57	90
Current absorbed	A	0,11	0,15	0,27	0,11	0,15	0,20	0,11	0,20	0,32	0,15	0,27	0,45
Condensate drain pump power absorption	W	10	10	10	10	10	10	10	10	10	10	10	10
Water content	l	0,8	0,8	0,8	1,4	1,4	1,4	2,1	2,1	2,1	2,1	2,1	2,1
Length	mm	575	575	575	575	575	575	575	575	575	575	575	575
Depth	mm	575	575	575	575	575	575	575	575	575	575	575	575
Height	mm	275	275	275	275	275	275	275	275	275	275	275	275

MODEL		ARMONIA 4.2T			ARMONIA 5.2T			ARMONIA 6.2T		
SPEED		1	2	3	1	2	3	1	2	3
Air flow	m³/h	630	820	1140	710	970	1500	710	1280	1820
Cooling total emission	kW	4,18	4,86	6,08	5,27	6,72	9,39	5,27	8,36	10,93
Cooling sensible emission	kW	3,00	3,53	4,51	3,42	4,42	6,36	3,67	6,00	8,08
Heating emission	kW	4,27	5,03	6,50	4,92	6,40	9,23	5,12	8,55	11,72
Dp Cooling	kPa	10,9	14,3	21,6	9,4	14,7	26,9	9,4	21,8	35,6
Dp Heating	kPa	7,0	9,4	15,0	7,1	11,4	22,0	7,6	19,2	33,8
Sound power (Lw)	dB(A)	33	40	48	34	40	53	34	48	58
Sound pressure (Lp) (1)	dB(A)	24	31	39	25	31	44	25	39	49
Fan	W	33	48	77	42	63	120	42	95	170
Current absorbed	A	0,15	0,23	0,36	0,18	0,28	0,53	0,18	0,42	0,74
Condensate drain pump power absorption	W	10	10	10	10	10	10	10	10	10
Water content	l	3,0	3,0	3,0	4,0	4,0	4,0	4,0	4,0	4,0
Length	mm	820	820	820	820	820	820	820	820	820
Depth	mm	820	820	820	820	820	820	820	820	820
Height	mm	303	303	303	303	303	303	303	303	303

(1) The sound pressure levels are 9 dB (A) lower than the sound power levels, apply to the reverberant field of a 100 m³ room and a reverberation time of 0.5 sec.

4 PIPE SYSTEM

The following standard rating conditions are used:

COOLING

Entering air temperature: + 27 °C d.b. + 19 °C w.b.

Water temperature: +7 °C E.W.T. +12 °C L.W.T.

HEATING

Entering air temperature: + 20 °C

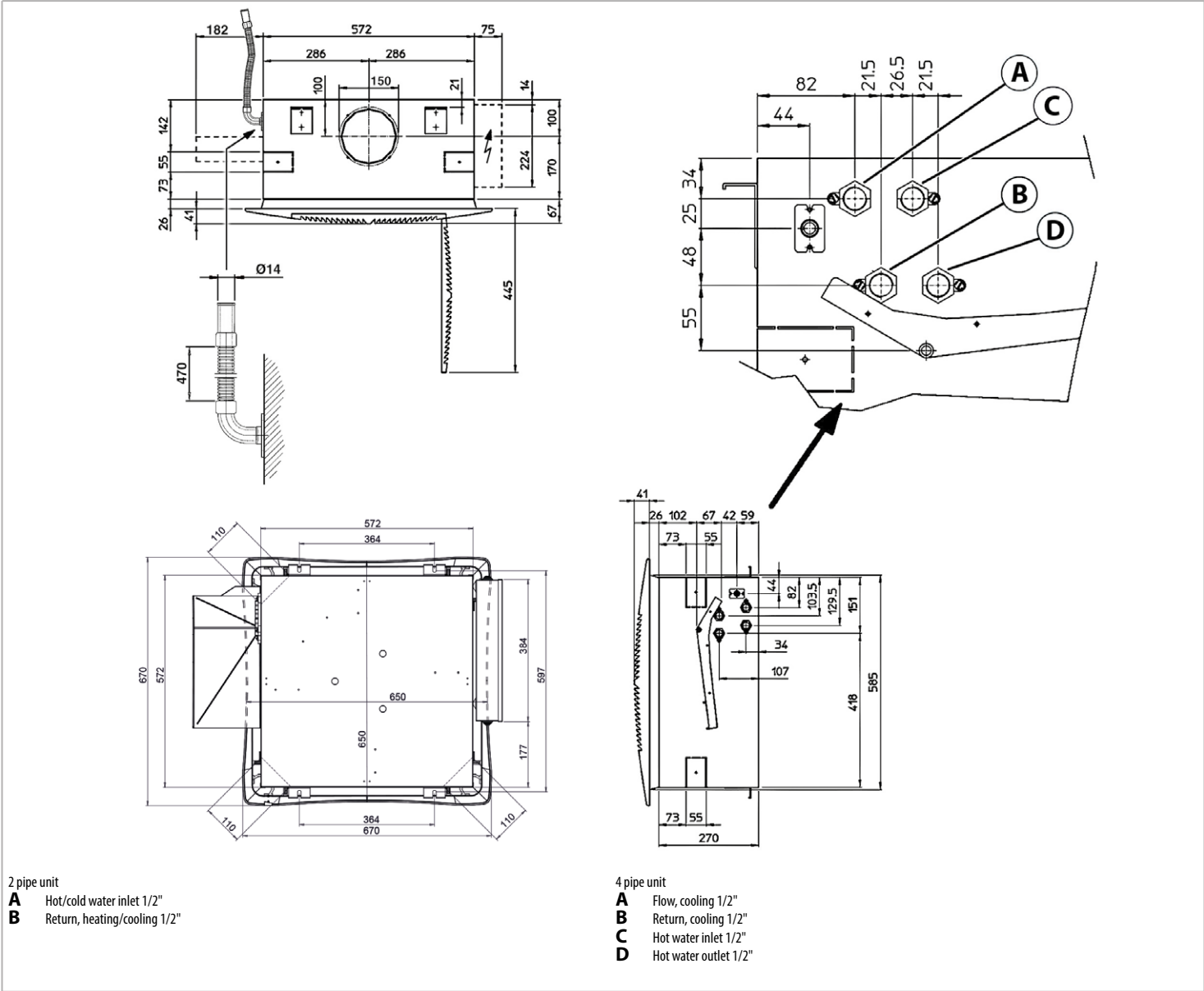
Water temperature: +65 °C E.W.T. +55 °C L.W.T.

MODEL		ARMONIA 0.4T			ARMONIA 1.4T			ARMONIA 2.4T			ARMONIA 2.6T			ARMONIA 3.4T			ARMONIA 3.6T		
SPEED		1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
Air flow	m³/h	310	420	610	310	420	520	320	500	710	320	500	710	430	610	880	430	610	880
Cooling total emission	kW	1,49	1,93	2,27	1,83	2,33	2,66	1,83	2,61	3,27	2,07	3,02	3,86	2,33	2,96	3,72	2,69	3,47	4,44
Cooling sensible emission	kW	1,13	1,52	1,84	1,32	1,68	1,94	1,32	1,94	2,49	1,47	2,20	2,88	1,72	2,23	2,88	1,94	2,56	3,37
Heating emission	kW	1,72	2,23	2,66	2,13	2,66	3,04	2,13	3,04	3,86	1,73	2,71	2,91	2,61	3,33	4,19	2,14	2,66	3,29
Dp Cooling	kPa	6,0	10,0	13,5	4,6	6,9	8,8	4,6	8,8	13,4	4,0	7,0	10,5	7,2	11,2	17,0	6,0	9,0	14,0
Dp Heating	kPa	5,2	8,3	11,4	4,6	6,8	8,7	4,6	8,7	13,3	2,6	4,6	6,7	6,4	9,9	15,0	3,9	5,7	8,4
Sound power (Lw)	dB(A)	33	40	49	33	40	45	33	45	53	33	45	53	41	49	59	41	49	59
Sound pressure (Lp) ⁽¹⁾	dB(A)	24	31	40	24	31	36	24	36	44	24	36	44	32	40	50	32	40	50
Fan	W	25	32	57	25	32	44	25	44	68	25	44	68	32	57	90	32	57	90
Current absorbed	A	0,11	0,15	0,27	0,11	0,15	0,20	0,11	0,20	0,32	0,11	0,20	0,32	0,15	0,27	0,45	0,15	0,27	0,45
Condensate drain pump power absorption	W	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Cooling water content	l	1,0	1,0	1,0	1,4	1,4	1,4	1,4	1,4	1,4	1,7	1,7	1,7	1,4	1,4	1,4	1,7	1,7	1,7
Heating water content	l	0,6	0,6	0,6	0,7	0,7	0,7	0,7	0,7	0,7	0,5	0,5	0,5	0,7	0,7	0,7	0,5	0,5	0,5
Length	mm	575	575	575	575	575	575	575	575	575	575	575	575	575	575	575	575	575	575
Depth	mm	575	575	575	575	575	575	575	575	575	575	575	575	575	575	575	575	575	575
Height	mm	275	275	275	275	275	275	275	275	275	275	275	275	275	275	275	275	275	275

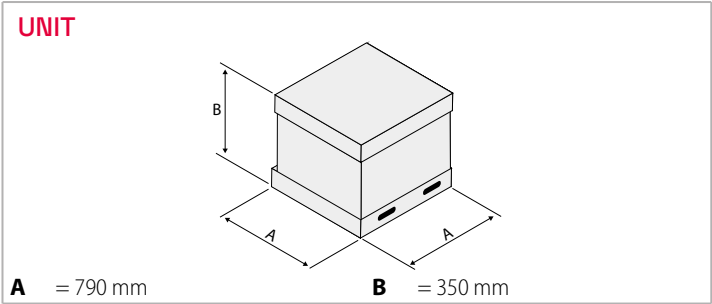
MODEL		ARMONIA 4.4T			ARMONIA 5.4T			ARMONIA 5.6T			ARMONIA 6.4T			ARMONIA 6.6T		
SPEED		1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
Air flow	m³/h	630	820	1140	710	970	1500	710	970	1500	710	1280	1820	710	1280	1820
Cooling total emission	kW	4,11	4,98	6,26	4,48	5,60	7,59	4,95	6,27	8,65	4,48	6,84	8,72	4,95	7,75	10,03
Cooling sensible emission	kW	2,93	3,60	4,61	3,21	4,09	5,71	3,49	4,49	6,37	3,21	5,09	6,67	3,49	5,64	7,51
Heating emission	kW	5,21	6,33	8,02	5,69	7,15	9,66	4,59	5,63	7,50	5,69	8,80	11,16	4,59	6,78	8,58
Dp Cooling	kPa	8,8	12,5	18,9	10,3	15,4	26,9	9,0	14,0	25,0	10,3	22,1	34,7	9,0	20,0	32,0
Dp Heating	kPa	7,9	11,2	17,2	9,3	14,0	24,0	4,9	7,0	11,8	9,3	20,3	31,2	4,9	9,9	15,0
Sound power (Lw)	dB(A)	33	40	48	34	40	53	34	40	53	34	48	58	34	48	58
Sound pressure (Lp) ⁽¹⁾	dB(A)	24	31	39	25	31	44	25	31	44	25	39	49	25	39	49
Fan	W	33	48	77	42	63	120	42	63	120	42	95	170	42	95	170
Current absorbed	A	0,15	0,23	0,36	0,18	0,28	0,53	0,18	0,28	0,53	0,18	0,42	0,74	0,18	0,42	0,74
Condensate drain pump power absorption	W	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Cooling water content	l	3,0	3,0	3,0	3,0	3,0	3,0	3,6	3,6	3,6	3,0	3,0	3,0	3,6	3,6	3,6
Heating water content	l	1,4	1,4	1,4	1,4	1,4	1,4	1,0	1,0	1,0	1,4	1,4	1,4	1,1	1,1	1,1
Length	mm	820	820	820	820	820	820	820	820	820	820	820	820	820	820	820
Depth	mm	820	820	820	820	820	820	820	820	820	820	820	820	820	820	820
Height	mm	303	303	303	303	303	303	303	303	303	303	303	303	303	303	303

⁽¹⁾ The sound pressure levels are 9 dB (A) lower than the sound power levels, apply to the reverberant field of a 100 m³ room and a reverberation time of 0.5 sec.

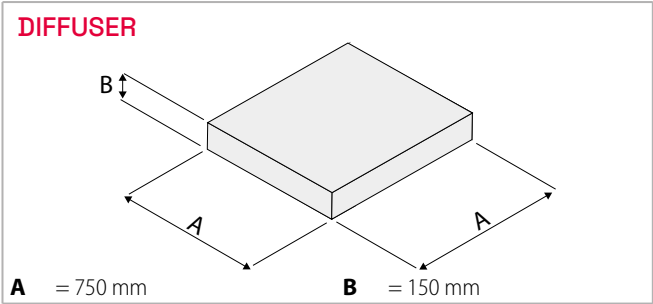
ARMONIA 0.2T-0.4T / ARMONIA 1.2T-1.4T / ARMONIA 2.2T-2.4T-2.6T / ARMONIA 3.2T-3.4T-3.6T (600 X 600 VERSION)



PACKED UNIT

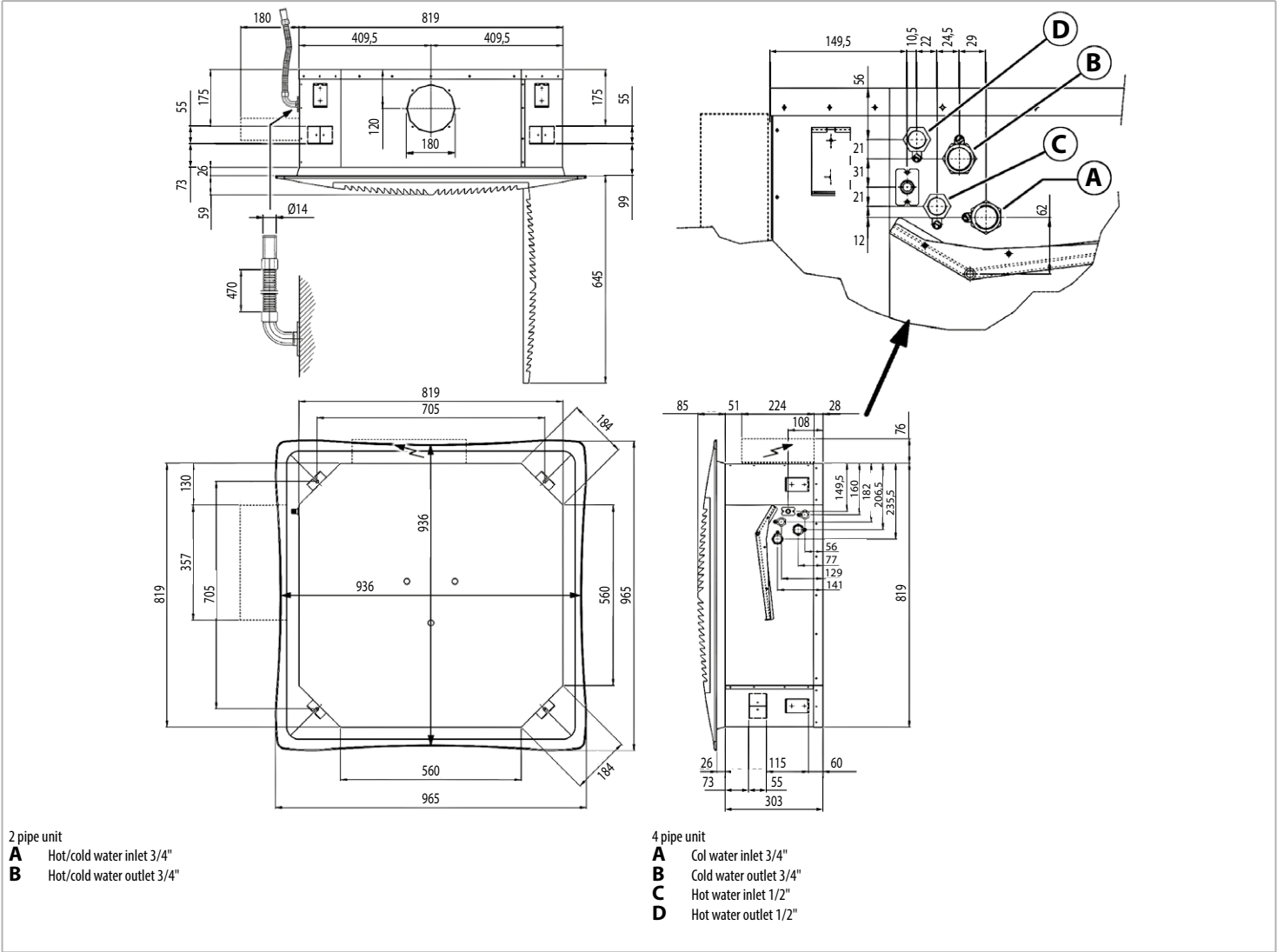


WEIGHT/MODEL		0.2T-1.2T	0.4T-1.4T	2.2T-2.4T-2.6T	3.2T-3.4T-3.6T
With packaging	kg	21,0	22,5		22,0
Without packaging	kg	18,0	19,5		19,0

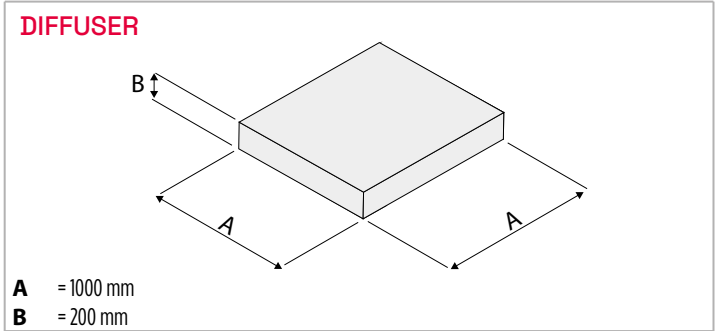
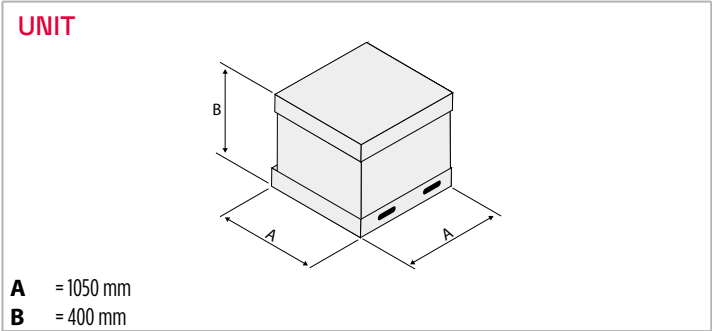


WEIGHT/MODEL		0.2T-1.2T	0.4T-1.4T	2.2T-2.4T-2.6T	3.2T-3.4T-3.6T
With packaging	kg	3,5			
Without packaging	kg	2,5			

ARMONIA 4.2T-4.4T / ARMONIA 5.2T-5.4T-5.6T / ARMONIA 6.2T-6.4T-6.6T (800 X 800 VERSION)



PACKED UNIT



WEIGHT/MODEL		4.2T	4.4T	5.2T-5.4T-5.6T	6.2T-6.4T-6.6T
With packaging	kg	40		44	
Without packaging	kg	35		39	

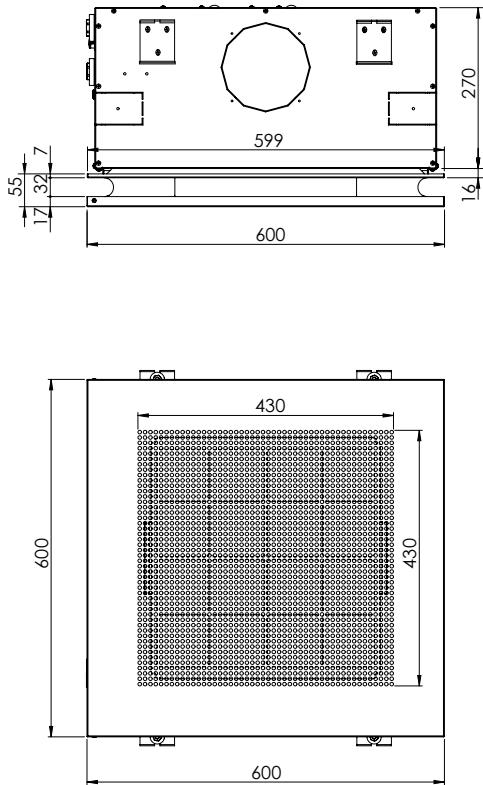
WEIGHT/MODEL		4.2T	4.4T	5.2T-5.4T-5.6T	6.2T-6.4T-6.6T
With packaging	kg			7,0	
Without packaging	kg			5,5	

METAL AIR INLET GRID MD 600 / MD 800

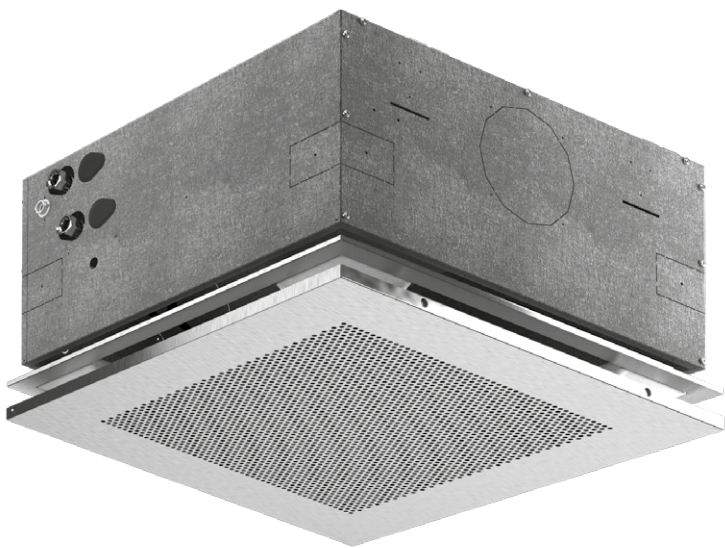
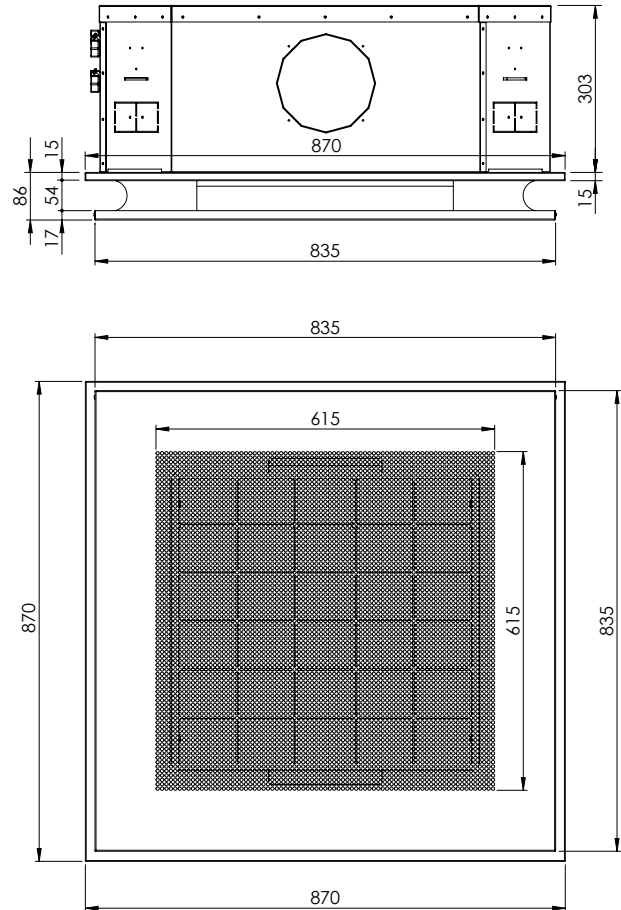
(RS receiver, Code 9066338, for metal diffuser for MB units)
Not suitable with electronic electrostatic filter.

MODEL	CODE
MD-600	9079420
MD-800	9079417

MD-600



MD-800



2 PIPE SYSTEM

The following standard rating conditions are used:

COOLING

Entering air temperature: + 27 °C d.b. + 19 °C w.b.

Water temperature: +7 °C E.W.T. +12 °C L.W.T.

HEATING

Entering air temperature: + 20 °C

Water temperature: +45 °C E.W.T. +40 °C L.W.T.

MODEL		ARMONIA-ECM 1.2T					ARMONIA-ECM 2.2T					ARMONIA-ECM 3.2T				
INVERTER SPEED SIGNAL (VDC)		1	3	5	7,5	10	1	3	5	7,5	10	1	3	5	7,5	10
Air flow	m³/h	310	345	380	457	535	310	377	445	577	710	360	485	610	745	880
Cooling total emission	kW	1,84	2,01	2,16	2,47	2,73	2,24	2,65	3,04	3,71	4,30	2,55	3,25	3,85	4,45	4,96
Cooling sensible emission	kW	1,35	1,47	1,60	1,84	2,07	1,57	1,87	2,16	2,67	3,15	1,80	2,31	2,79	3,25	3,68
Heating emission	kW	1,85	2,04	2,22	2,55	2,87	2,12	2,56	2,98	3,68	4,36	2,46	3,17	3,85	4,52	5,15
Dp Cooling	kPa	4,9	5,8	6,6	8,4	10,1	4,6	6,3	9,4	11,6	15,1	5,9	9,1	12,4	16,2	19,7
Dp Heating	kPa	4,3	5,1	5,9	7,6	9,4	3,6	5,1	6,6	9,7	13,2	4,7	7,5	10,6	14,1	17,8
Sound power (Lw)	dB(A)	33,0	36,0	39,0	43,0	47,0	33,0	38,0	43,0	48,5	54,0	37,0	43,5	50,0	55,0	60,0
Sound pressure (Lp) (1)	dB(A)	24,0	27,0	30,0	34,0	38,0	24,0	29,0	34,0	39,5	45,0	28,0	34,5	41,0	46,0	51,0
Fan	W	5,0	6,5	8,0	12,0	16,0	5,0	8,0	11,0	21,0	31,0	7,0	14,0	21,0	41,5	62,0
Condensate drain pump power absorption	W	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Water content	l	1,4	1,4	1,4	1,4	1,4	2,1	2,1	2,1	2,1	2,1	2,1	2,1	2,1	2,1	2,1
Length	mm	575	575	575	575	575	575	575	575	575	575	575	575	575	575	575
Depth	mm	575	575	575	575	575	575	575	575	575	575	575	575	575	575	575
Height	mm	275	275	275	275	275	275	275	275	275	275	275	275	275	275	275

MODEL		ARMONIA-ECM 4.2T					ARMONIA-ECM 5.2T				
INVERTER SPEED SIGNAL (VDC)		1	3	5	7,5	10	1	3	5	7,5	10
Air flow	m³/h	630	750	870	1017	1165	710	920	1130	1450	1770
Cooling total emission	kW	4,20	4,70	5,13	5,76	6,30	5,28	6,54	7,69	9,28	10,69
Cooling sensible emission	kW	3,02	3,39	3,75	4,23	4,69	3,68	4,62	5,50	6,71	7,83
Heating emission	kW	4,27	4,78	5,30	6,02	6,70	4,90	6,18	7,34	9,00	10,56
Dp Cooling	kPa	10,9	13,3	15,6	19,3	22,7	9,4	13,8	18,5	26,1	33,0
Dp Heating	kPa	9,6	11,8	14,2	17,9	21,6	7,0	10,7	14,6	21,1	28,1
Sound power (Lw)	dB(A)	33,0	36,0	39,0	43,5	48,0	34,0	40,5	47,0	52,0	57,0
Sound pressure (Lp) (1)	dB(A)	24,0	27,0	30,0	34,5	39,0	25,0	31,5	38,0	43,0	48,0
Fan	W	10,0	13,5	17,0	25,0	33,0	10,0	21,0	32,0	70,0	108,0
Condensate drain pump power absorption	W	10	10	10	10	10	10	10	10	10	10
Water content	l	3,0	3,0	3,0	3,0	3,0	4,0	4,0	4,0	4,0	4,0
Length	mm	820	820	820	820	820	820	820	820	820	820
Depth	mm	820	820	820	820	820	820	820	820	820	820
Height	mm	303	303	303	303	303	303	303	303	303	303

(1) The sound pressure levels are 9 dB (A) lower than the sound power levels, apply to the reverberant field of a 100 m³ room and a reverberation time of 0.5 sec.

4 PIPE SYSTEM

The following standard rating conditions are used:

COOLING

Entering air temperature: + 27 °C d.b. + 19 °C w.b.

Water temperature: +7 °C E.W.T. +12 °C L.W.T.

HEATING

Entering air temperature: + 20 °C

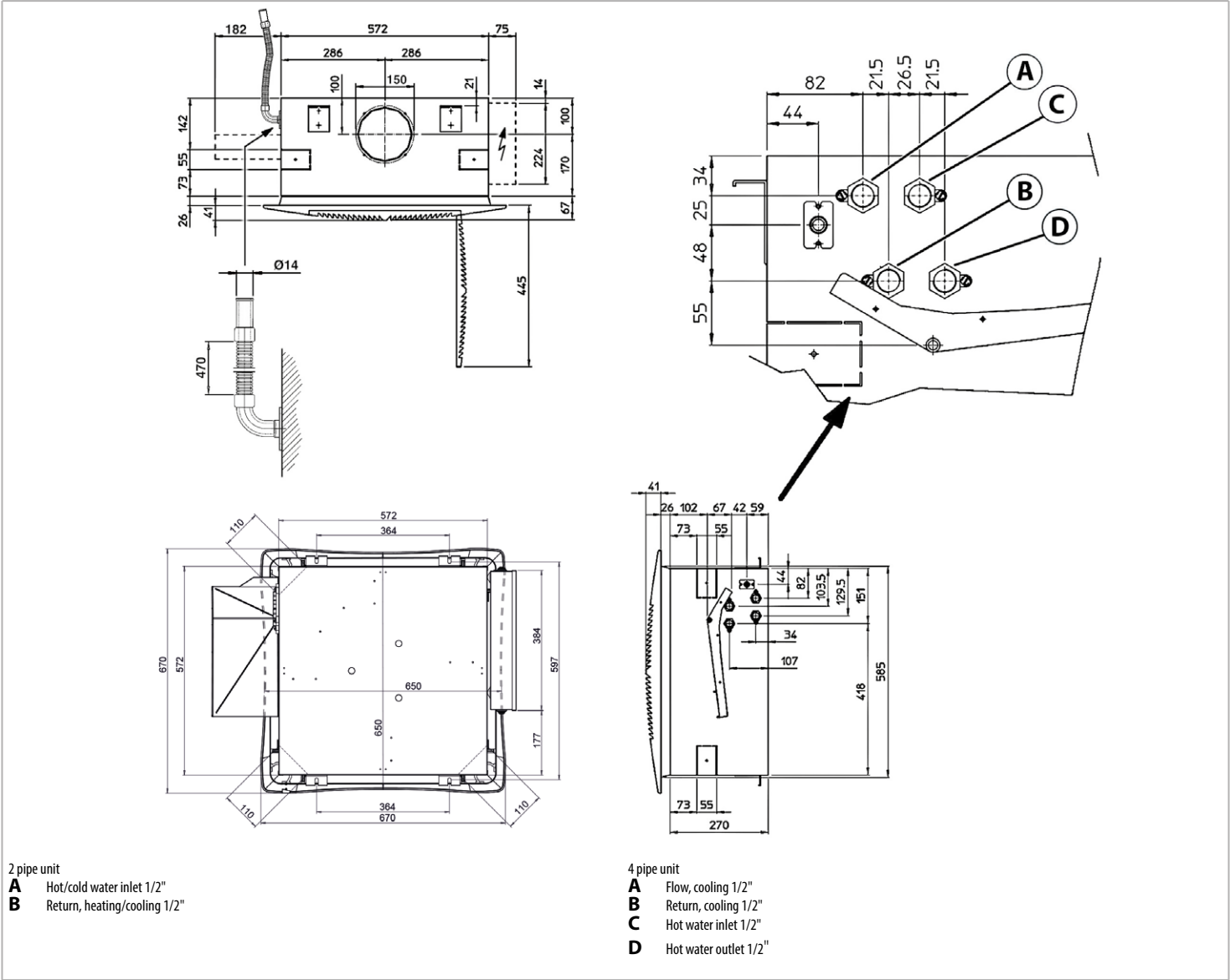
Water temperature: +65 °C E.W.T. +55 °C L.W.T.

MODEL		ARMONIA-ECM 1.4T					ARMONIA-ECM 2.6T					ARMONIA-ECM 3.6T				
INVERTER SPEED SIGNAL (VDC)		1	3	5	7,5	10	1	3	5	7,5	10	1	3	5	7,5	10
Air flow	m³/h	310	345	380	457	535	310	377	445	577	710	360	485	610	745	880
Cooling total emission	kW	1,85	2,02	2,17	2,48	2,75	2,09	2,46	2,81	3,39	3,90	2,37	2,99	3,51	4,03	4,47
Cooling sensible emission	kW	1,34	1,31	1,59	1,64	2,06	1,49	1,76	2,03	2,49	2,92	1,70	2,17	2,60	3,01	3,40
Heating emission	kW	2,13	2,32	2,51	2,85	3,18	1,73	1,97	2,20	2,57	2,91	1,92	2,31	2,66	2,99	3,29
Dp Cooling	kPa	4,6	5,4	6,2	7,9	9,5	3,3	4,4	5,6	7,9	10,3	4,1	6,3	8,4	10,9	13,1
Dp Heating	kPa	4,6	5,3	6,1	7,7	9,4	2,6	3,3	4,1	5,4	6,7	3,2	4,4	5,7	7,1	8,4
Sound power (Lw)	dB(A)	33,0	36,0	39,0	43,0	47,0	33,0	38,0	43,0	48,5	54,0	37,0	43,5	50,0	55,0	60,0
Sound pressure (Lp) (1)	dB(A)	24,0	27,0	30,0	34,0	38,0	24,0	29,0	34,0	39,5	45,0	28,0	34,5	41,0	46,0	51,0
Fan	W	5,0	6,5	8,0	12,0	16,0	5,0	8,0	11,0	21,0	31,0	7,0	14,0	21,0	41,5	62,0
Condensate drain pump power absorption	W	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Cooling water content	l	1,4	1,4	1,4	1,4	1,4	1,7	1,7	1,7	1,7	1,7	1,7	1,7	1,7	1,7	1,7
Heating water content	l	0,7	0,7	0,7	0,7	0,7	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5
Length	mm	575	575	575	575	575	575	575	575	575	575	575	575	575	575	575
Depth	mm	575	575	575	575	575	575	575	575	575	575	575	575	575	575	575
Height	mm	275	275	275	275	275	275	275	275	275	275	275	275	275	275	275

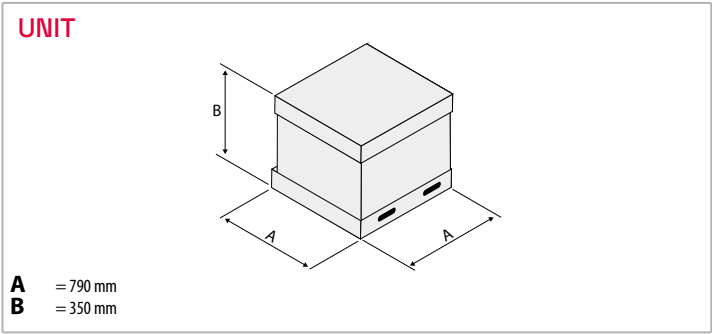
MODEL		ARMONIA-ECM 4.4T					ARMONIA-ECM 5.6T				
INVERTER SPEED SIGNAL (VDC)		1	3	5	7,5	10	1	3	5	7,5	10
Air flow	m³/h	630	750	870	1017	1165	710	920	1130	1450	1770
Cooling total emission	kW	4,29	4,81	5,29	5,92	6,48	4,97	6,13	7,14	8,56	9,76
Cooling sensible emission	kW	3,07	3,46	3,82	4,32	4,80	3,51	4,37	5,17	6,27	7,29
Heating emission	kW	5,41	6,04	6,65	7,46	8,24	4,58	5,47	6,27	7,36	8,33
Dp Cooling	kPa	9,4	11,6	13,6	16,8	19,8	8,8	12,9	17,0	23,7	30,1
Dp Heating	kPa	8,5	10,3	12,3	15,1	18,1	4,9	6,7	8,6	11,4	14,3
Sound power (Lw)	dB(A)	33,0	36,0	39,0	43,5	48,0	34,0	40,5	47,0	52,0	57,0
Sound pressure (Lp) (1)	dB(A)	24,0	27,0	30,0	34,5	39,0	25,0	31,5	38,0	43,0	48,0
Fan	W	10,0	13,5	17,0	25,0	33,0	10,0	21,0	32,0	70,0	108,0
Condensate drain pump power absorption	W	10	10	10	10	10	10	10	10	10	10
Cooling water content	l	3,0	3,0	3,0	3,0	3,0	3,6	3,6	3,6	3,6	3,6
Heating water content	l	1,4	1,4	1,4	1,4	1,4	1,1	1,1	1,1	1,1	1,1
Length	mm	820	820	820	820	820	820	820	820	820	820
Depth	mm	820	820	820	820	820	820	820	820	820	820
Height	mm	303	303	303	303	303	303	303	303	303	303

(1) The sound pressure levels are 9 dB (A) lower than the sound power levels, apply to the reverberant field of a 100 m³ room and a reverberation time of 0.5 sec.

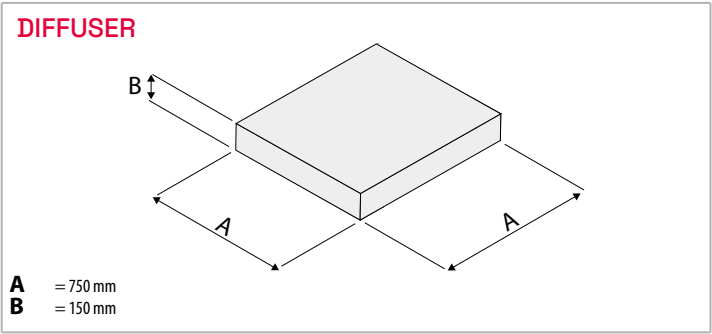
ARMONIA-ECM 1.2T-1.4T / ARMONIA-ECM 2.2T-2.6T / ARMONIA-ECM 3.2T-3.6T (600 X 600 VERSION)



PACKED UNIT

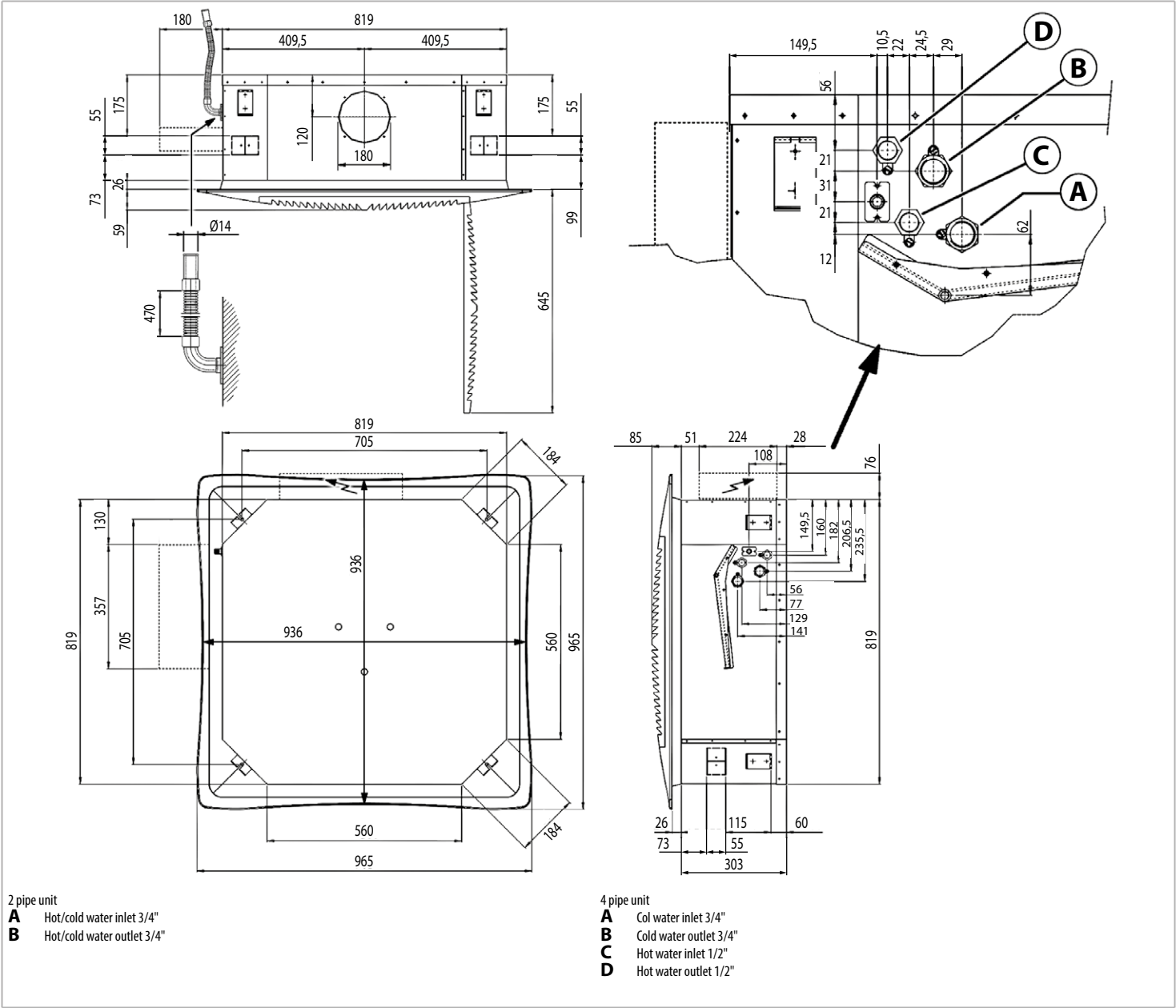


WEIGHT/MODEL		1.2T	1.4T	2.2T-2.6T	3.2T-3.6T
With packaging	kg	20,0	22,0	21,5	21,0
Without packaging	kg	17,0	19,0	18,5	18,0

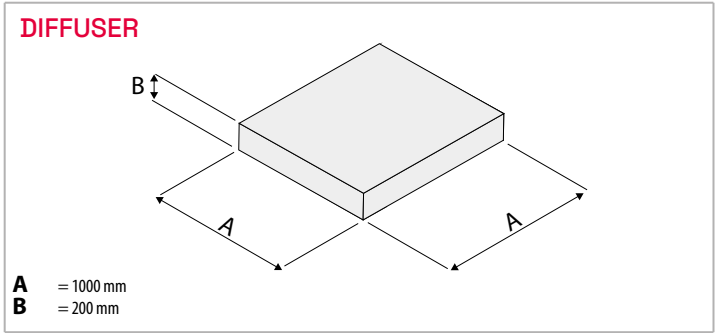
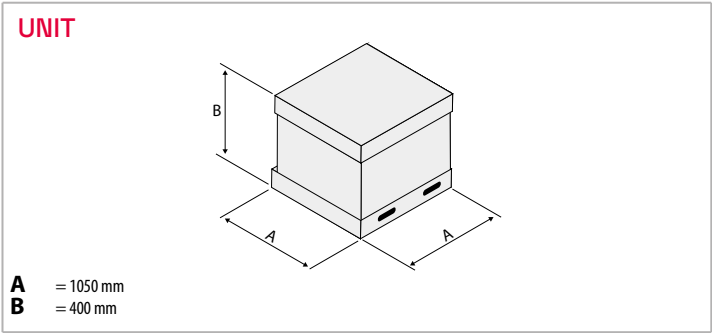


WEIGHT/MODEL		1.2T	1.4T	2.2T-2.6T	3.2T-3.6T
With packaging	kg	3,5			
Without packaging	kg	2,5			

ARMONIA-ECM 4.2T-4.4T / ARMONIA-ECM 5.2T-5.6T (800 X 800 VERSION)



PACKED UNIT



WEIGHT/MODEL		4.2T	4.4T	5.2T-5.6T
With packaging	kg	35	40	
Without packaging	kg	31	35	

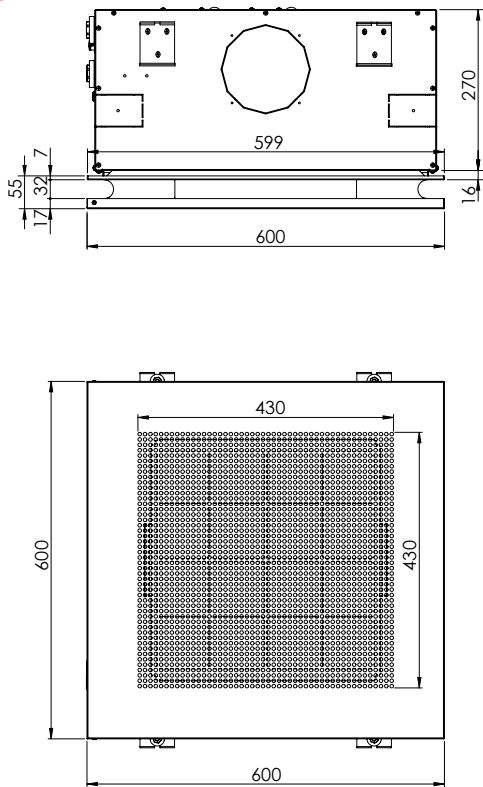
WEIGHT/MODEL		4.2T	4.4T	5.2T-5.6T
With packaging	kg		7,0	
Without packaging	kg		5,5	

METAL AIR INLET GRID MD 600 / MD 800

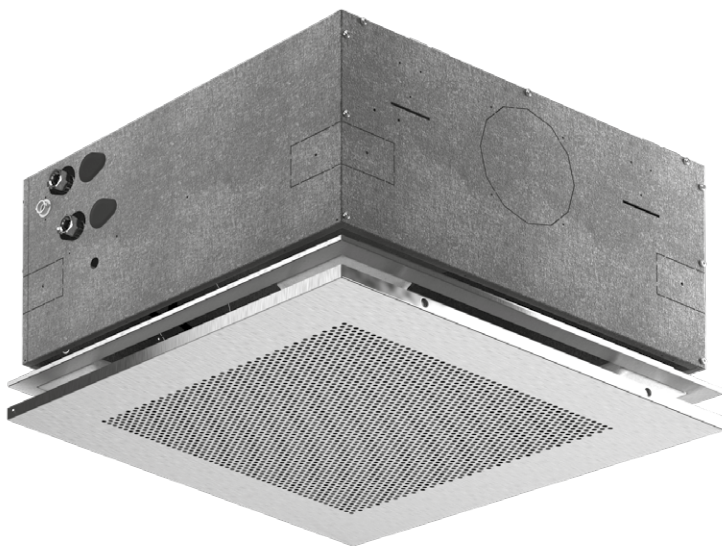
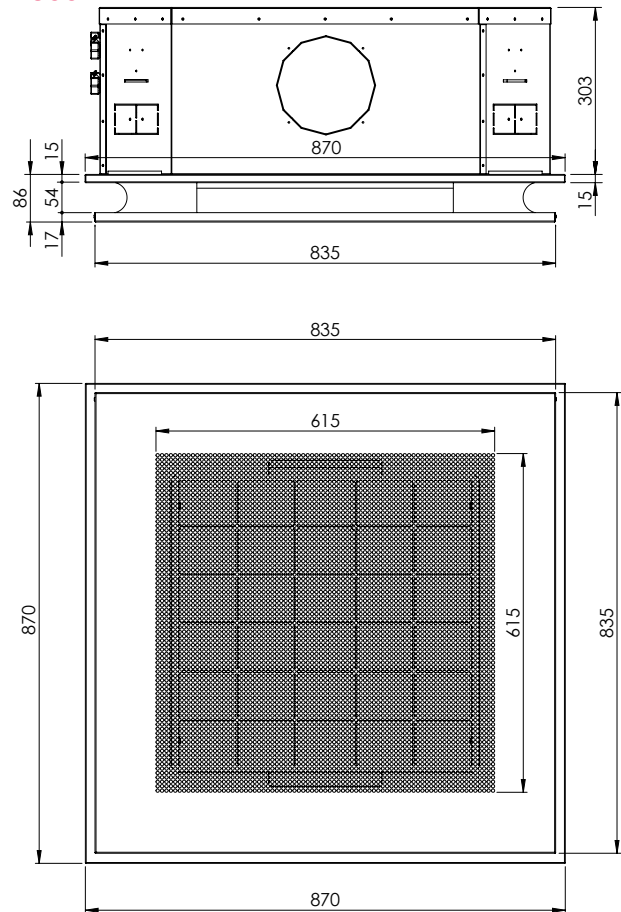
(RS receiver, Code 9066338, for metal diffuser for MB units)
Not suitable with electronic electrostatic filter.

MODEL	CODE
MD-600	9079420
MD-800	9079417

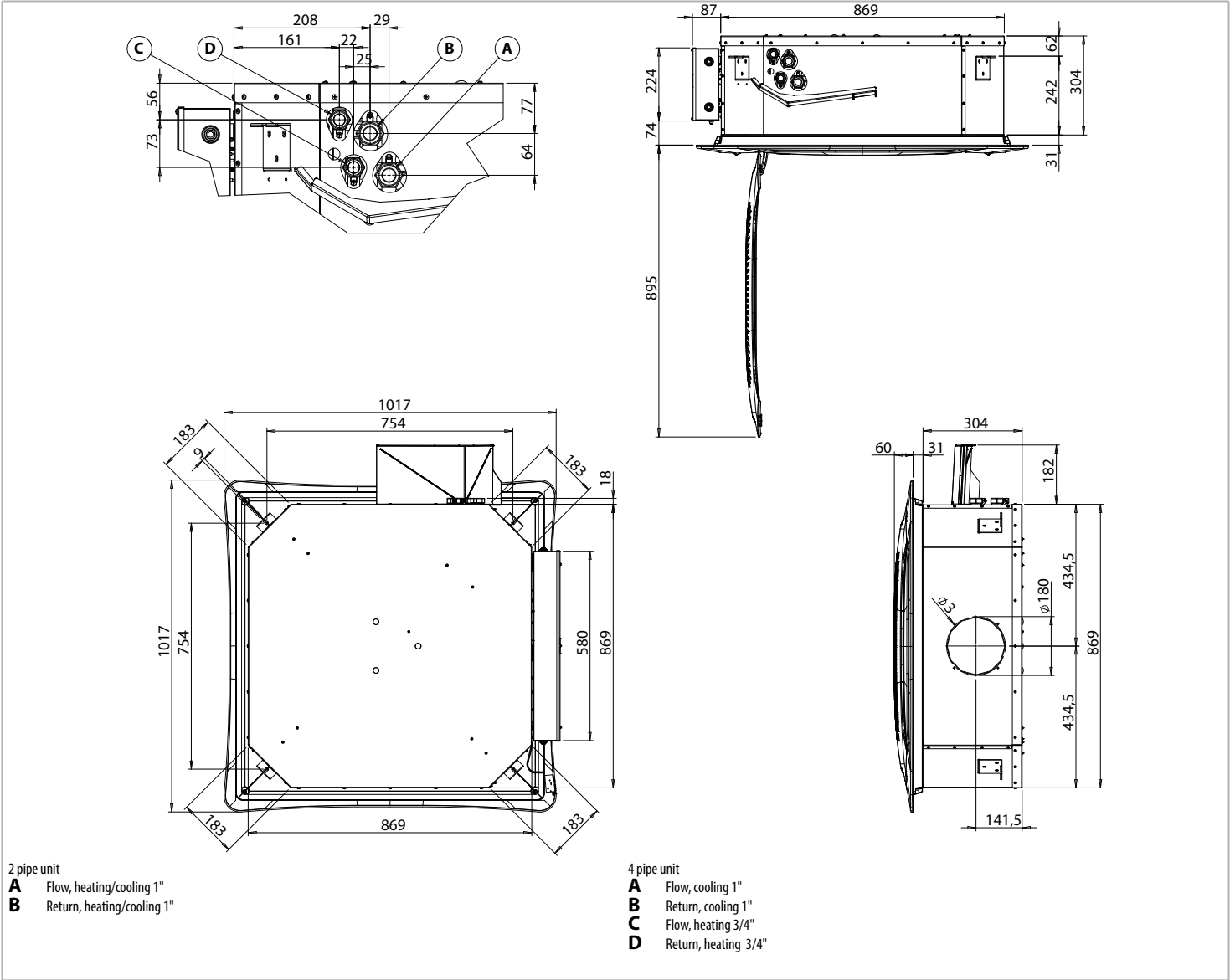
MD-600



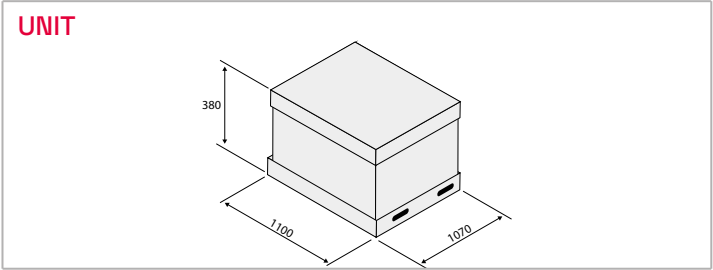
MD-800



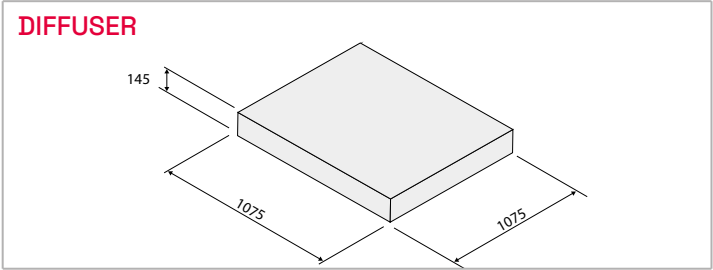
ARMONIA-ECM 7.2T-7.6T / ARMONIA-ECM 8.2T-8.6T (900 X 900 VERSION)



PACKED UNIT



WEIGHT/MODEL		7.2T	7.6T	8.2T	8.6T
With packaging	kg			52	
Without packaging	kg			42	



WEIGHT/MODEL		7.2T	7.6T	8.2T	8.6T
With packaging	kg			9,4	
Without packaging	kg			7,5	

2 PIPE SYSTEM

The following standard rating conditions are used:

COOLING

Entering air temperature: + 27 °C d.b. + 19 °C w.b.

Water temperature: +7 °C E.W.T. +12 °C L.W.T.

HEATING

Entering air temperature: + 20 °C

Water temperature: +45 °C E.W.T. +40 °C L.W.T.

MODEL		ARMONIA-ECM 7-8 7.2T					ARMONIA-ECM 7-8 8.2T				
Inverter speed signal (Vdc)		1	3	5	7,5	10	1	3	5	7,5	10
Air flow	m³/h	790	1040	1290	1600	1905	1025	1340	1650	2060	2480
Cooling total emission	kW	6,36	7,95	9,43	11,10	12,60	7,86	9,72	11,38	13,35	15,13
Cooling sensible emission	kW	4,45	5,65	6,77	8,09	9,31	5,58	7,00	8,30	9,88	11,41
Heating emission	kW	6,18	7,93	9,59	11,55	13,39	8,72	9,91	11,86	14,29	16,40
Dp Cooling	kPa	6,6	9,8	13,4	18,0	22,7	9,6	14,1	18,8	25,2	31,8
Dp Heating	kPa	5,4	8,4	11,8	16,5	21,5	8,2	12,5	17,3	24,2	31,0
Sound power (Lw)	dB(A)	38	44	49	54	58	47	50	55	60	64
Sound pressure (Lp) (1)	dB(A)	29	35	40	45	49	38	41	46	51	55
Fan	W	13	22	35	59	93	21	38	64	113	183
Condensate drain pump power absorption	W	10	10	10	10	10	10	10	10	10	10
Water content	l	4,6	4,6	4,6	4,6	4,6	4,6	4,6	4,6	4,6	4,6
Length	mm	869	869	869	869	869	869	869	869	869	869
Depth	mm	869	869	869	869	869	869	869	869	869	869
Height	mm	304	304	304	304	304	304	304	304	304	304

(1) The sound pressure levels are 9 dB (A) lower than the sound power levels, apply to the reverberant field of a 100 m³ room and a reverberation time of 0.5 sec.

4 PIPE SYSTEM

The following standard rating conditions are used:

COOLING

Entering air temperature: + 27 °C d.b. + 19 °C w.b.

Water temperature: +7 °C E.W.T. +12 °C L.W.T.

HEATING

Entering air temperature: + 20 °C

Water temperature: +65 °C E.W.T. +55 °C L.W.T.

MODEL		ARMONIA-ECM 7-8 7.6T					ARMONIA-ECM 7-8 8.6T				
Inverter speed signal (Vdc)		1	3	5	7,5	10	1	3	5	7,5	10
Air flow	m³/h	790	1040	1290	1600	1905	1025	1340	1650	2060	2480
Cooling total emission	kW	6,07	7,53	8,86	10,35	11,61	7,45	9,10	10,59	12,30	13,59
Cooling sensible emission	kW	4,33	5,46	6,53	7,74	8,87	5,40	6,73	7,96	9,44	10,68
Heating emission	kW	6,01	7,27	8,40	9,63	10,55	7,19	8,62	9,80	11,05	12,17
Dp Cooling	kPa	7,0	10,3	13,8	18,3	22,6	10,1	14,5	19,1	25,2	30,4
Dp Heating	kPa	7,2	10,2	13,2	16,9	19,9	10,0	13,8	17,4	21,6	25,7
Sound power (Lw)	dB(A)	38	44	49	54	58	47	50	55	60	64
Sound pressure (Lp) (1)	dB(A)	29	35	40	45	49	38	41	46	51	55
Fan	W	13	22	35	59	93	21	38	64	113	183
Condensate drain pump power absorption	W	10	10	10	10	10	10	10	10	10	10
Cooling water content	l	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6	3,6
Heating water content	l	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2
Length	mm	869	869	869	869	869	869	869	869	869	869
Depth	mm	869	869	869	869	869	869	869	869	869	869
Height	mm	304	304	304	304	304	304	304	304	304	304

(1) The sound pressure levels are 9 dB (A) lower than the sound power levels, apply to the reverberant field of a 100 m³ room and a reverberation time of 0.5 sec.