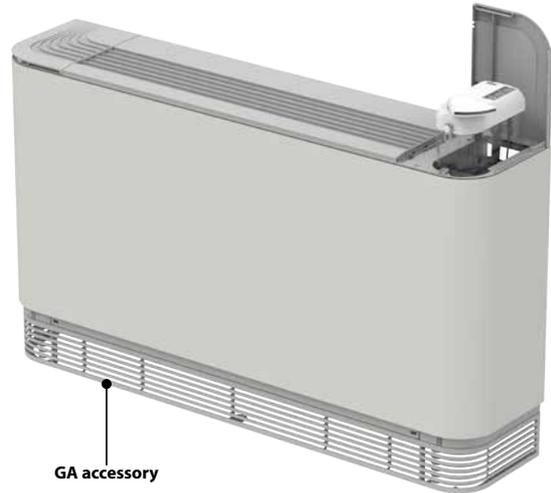


# FCZ-ASW FCZI-ASW

## Fan coil for vertical wall-mounting or free-standing installation

Cooling capacity 0,65 ÷ 7,62 kW  
Heating capacity 1,45 ÷ 17,02 kW

- **Adiabatic "retractable stand-alone" ultrasonic humidifier**
- **Fully silent operation**
- **Total comfort in every season**



GA accessory



### DESCRIPTION

The FCZ-ASW series adds winter air humidity control to the typical functions of a fan coil, guaranteeing the best degree of thermo-hygrometric comfort without any impact on acoustic performance and with extremely low electricity consumption.

### INTEGRATED ULTRASONIC HUMIDIFIER: EFFICIENCY AND SILENCE

Our "stand-alone" adiabatic ultrasonic humidifier, which disappears from view because it is perfectly integrated into the fan coil cabinet, guarantees precise and silent humidification of the environment.

It consists of a transparent tank, a feeding unit with a three-speed micro-fan and a piezoelectric transducer.

**The latter, thanks to ultrasonic technology, nebulizes the demineralised water into microparticles, creating a fine mist that evaporates quickly once in contact with the ambient air.**

The electronic control makes it possible to set three humidity levels, adapting to any need, the integrated level sensor promptly signals the need to top up **only demineralised water**.



### Case

Metallic micro-perforated cabinet with rustproofing polyester paint RAL 9003. Head with plastic air distribution grille RAL 7047.

### Ventilation group

Consisting of double suction centrifugal fans that are particularly silent, statically and dynamically balanced, and directly coupled with the motor shaft.

The motor is wired for single phase and has three speeds, with capacitor. The motor is fitted on sealed for life bearings and is secured on anti-vibration and self-lubricating mountings.

Extractable shrouds for easy, effective cleaning

### Finned pack heat exchanger

With copper pipes and aluminium louvers, the main heat exchanger has female gas water connections on the left side and the manifolds have air vents.

The coil is not suitable for use in corrosive atmosphere or in environments where aluminium may be subject to corrosion.

**Specify the position of the water connections at the time of ordering.**

### Air filter

Air filter class Coarse 25% for all versions easy to pull out and clean.

### ACCESSORIES

#### Control panels

**Please note that only wall-mounted control panels are compatible with this unit.**

**AER503IR:** Flush-mounting thermostat with backlit display, capacitive keypad and infrared receiver, for controlling both brushless fan coils and those with an asynchronous motor. In 2-pipe systems, the thermostat can control standard fan coils or those equipped with an electric heater, with air purifying devices (Cold Plasma and germicidal lamp), with radiant plate or with FCZ-D twin delivery (Dualjet). In addition, it can control systems with radiant panels or mixed (fan coil and radiant floor) systems. Being equipped with an infrared receiver, it can, in turn, be controlled by the VMF-IR remote control.

**SA5:** air probe kit (L = 15 m) with probe-locking cable grommet.

**SA503:** Wall-mountable ambient sensor, compatible with AER503IR.

**SW3:** Water probe (L = 2.5 m) for controlling the minimum and maximum and to allow automatic seasonal switching for electronic thermostats fitted with water side changeover.

**SW5:** water probe kit (L = 15m) with probe-holder connection point, fixing clip and probe-holder from heat exchanger.

**TX:** Wall-mounting thermostat for controlling either brushless fan coils or those with asynchronous motors for 2/4 pipe. In 2-pipe systems, the thermostat can control standard fan coils or those equipped with an electric heater, with air purifying devices, radiant plate or FCZ-D twin delivery (Duljet).

**WMT16:** Electronic thermostat with thermostated ventilation.

## Installation accessories

**Below, you will find the description and compatibility of some of the available accessories. For a complete overview, please refer to the product sheets FCZ FCZI.**

**PCZ:** Metal panel for the unit rear closing. SPCZ brackets are necessary to fix floor standing fan coils.

**GA:** Lower intake grille for encapsulated fan coils. Can also be used in wall-mounted or floor installations, the FIKIT accessory is needed only in the case of floor installation.

**FIKIT:** Structural bracket in floor installation.

**ZXZ:** Pair of stylish and structural feet.

## ACCESSORIES COMPATIBILITY

### Control panels

Accessory	FCZ100ASW	FCZ150ASW	FCZ200ASW	FCZ250ASW	FCZ300ASW	FCZ350ASW	FCZ400ASW	FCZ450ASW	FCZ500ASW	FCZ550ASW
AER503IR (1)	*	*	*	*	*	*	*	*	*	*
SA5 (2)	*	*	*	*	*	*	*	*	*	*
SA503 (3)	*	*	*	*	*	*	*	*	*	*
SW3 (2)	*	*	*	*	*	*	*	*	*	*
SW5 (2)	*	*	*	*	*	*	*	*	*	*
TX (4)	*	*	*	*	*	*	*	*	*	*
WMT16 (4)	*	*	*	*	*	*	*	*	*	*

Accessory	FCZ600ASW	FCZ650ASW	FCZ700ASW	FCZ750ASW	FCZ800ASW	FCZ850ASW	FCZ900ASW	FCZ950ASW	FCZ1000ASW
AER503IR (1)	*	*	*	*	*	*	*	*	*
SA5 (2)	*	*	*	*	*	*	*	*	*
SA503 (3)	*	*	*	*	*	*	*	*	*
SW3 (2)	*	*	*	*	*	*	*	*	*
SW5 (2)	*	*	*	*	*	*	*	*	*
TX (4)	*	*	*	*	*	*	*	*	*
WMT16 (4)	*	*	*	*	*	*	*	*	*

(1) Wall-mount installation.

(2) Probe for AER503IR-TX thermostats, if fitted.

(3) Thermostat probe for AER503IR if available.

(4) Wall-mounting. If the unit intake exceeds 0.7A, or several units need to be managed with a single thermostat, board SIT3 and/or SIT5 is required.

Accessory	FCZ1200ASW	FCZ1250ASW	FCZ1300ASW	FCZ1350ASW	FCZ1400ASW	FCZ1450ASW
AER503IR (1)	*	*	*	*	*	*
SA5 (2)	*	*	*	*	*	*
SA503 (3)	*	*	*	*	*	*
SW3 (2)	*	*	*	*	*	*
SW5 (2)	*	*	*	*	*	*
TX (4)	*	*	*	*	*	*
WMT16 (4)	*	*	*	*	*	*

Accessory	FCZ1500ASW	FCZ1550ASW	FCZ1700ASW	FCZ1750ASW	FCZ1900ASW	FCZ1950ASW
AER503IR (1)	*	*	*	*	*	*
SA5 (2)	*	*	*	*	*	*
SA503 (3)	*	*	*	*	*	*
SW3 (2)	*	*	*	*	*	*
SW5 (2)	*	*	*	*	*	*
TX (4)	*	*	*	*	*	*
WMT16 (4)	*	*	*	*	*	*

(1) Wall-mount installation.

(2) Probe for AER503IR-TX thermostats, if fitted.

(3) Thermostat probe for AER503IR if available.

(4) Wall-mounting. If the unit intake exceeds 0.7A, or several units need to be managed with a single thermostat, board SIT3 and/or SIT5 is required.

### Installation accessories

#### Panel closing the rear of the unit

Accessory	FCZ100ASW	FCZ150ASW	FCZ200ASW	FCZ250ASW	FCZ300ASW	FCZ350ASW	FCZ400ASW	FCZ450ASW	FCZ500ASW	FCZ550ASW
PCZ100	*	*								
PCZ1000										
PCZ200			*	*						
PCZ300					*	*				
PCZ500							*	*	*	*
PCZ800										

Accessory	FCZ600ASW	FCZ650ASW	FCZ700ASW	FCZ750ASW	FCZ800ASW	FCZ850ASW	FCZ900ASW	FCZ950ASW	FCZ1000ASW
PCZ100									
PCZ1000							*	*	*
PCZ200									
PCZ300									
PCZ500									
PCZ800	*	*	*	*	*	*			

Accessory	FCZ1200ASW	FCZ1250ASW	FCZ1300ASW	FCZ1350ASW	FCZ1400ASW	FCZ1450ASW
PCZ200	.	.				
PCZ300			.	.		
PCZ500					.	.
PCZ800						

Accessory	FCZ1500ASW	FCZ1550ASW	FCZ1700ASW	FCZ1750ASW	FCZ1900ASW	FCZ1950ASW
PCZ200						
PCZ300						
PCZ500	.	.				
PCZ800			.	.	.	.

**Ornamental grille**

Accessory	FCZ100ASW	FCZ150ASW	FCZ200ASW	FCZ250ASW	FCZ300ASW	FCZ350ASW	FCZ400ASW	FCZ450ASW	FCZ500ASW	FCZ550ASW
GA100	.	.								
GA200			.	.						
GA300					.	.				
GA500							.	.	.	.
GA800										

Accessory	FCZ600ASW	FCZ650ASW	FCZ700ASW	FCZ750ASW	FCZ800ASW	FCZ850ASW	FCZ900ASW	FCZ950ASW	FCZ1000ASW
GA100									
GA200									
GA300									
GA500									
GA800	.	.	.	.	.	.	.	.	.

Accessory	FCZ1200ASW	FCZ1250ASW	FCZ1300ASW	FCZ1350ASW	FCZ1400ASW	FCZ1450ASW
GA200	.	.				
GA300			.	.		
GA500					.	.
GA800						

Accessory	FCZ1500ASW	FCZ1550ASW	FCZ1700ASW	FCZ1750ASW	FCZ1900ASW	FCZ1950ASW
GA200						
GA300						
GA500	.	.				
GA800			.	.	.	.

**Supports to be combined with the ornamental grille (GA) for floor installation of the fan coil**

Accessory	FCZ100ASW	FCZ150ASW	FCZ200ASW	FCZ250ASW	FCZ300ASW	FCZ350ASW	FCZ400ASW	FCZ450ASW	FCZ500ASW	FCZ550ASW
FIKIT100	.	.								
FIKIT200			.	.						
FIKIT300					.	.				
FIKIT500							.	.	.	.
FIKIT800										

Accessory	FCZ600ASW	FCZ650ASW	FCZ700ASW	FCZ750ASW	FCZ800ASW	FCZ850ASW	FCZ900ASW	FCZ950ASW	FCZ1000ASW
FIKIT100									
FIKIT200									
FIKIT300									
FIKIT500									
FIKIT800	.	.	.	.	.	.	.	.	.

Accessory	FCZ1200ASW	FCZ1250ASW	FCZ1300ASW	FCZ1350ASW	FCZ1400ASW	FCZ1450ASW
FIKIT200	.	.				
FIKIT300			.	.		
FIKIT500					.	.
FIKIT800						

Accessory	FCZ1500ASW	FCZ1550ASW	FCZ1700ASW	FCZ1750ASW	FCZ1900ASW	FCZ1950ASW
FIKIT200						
FIKIT300						
FIKIT500	.	.				
FIKIT800			.	.	.	.

## PERFORMANCE SPECIFICATIONS

### FCZ-ASW

#### 2-pipe

	FCZ100ASW			FCZ150ASW			FCZ200ASW			FCZ250ASW			FCZ300ASW			FCZ350ASW			FCZ400ASW			FCZ450ASW			FCZ500ASW			FCZ550ASW								
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3			
	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H
<b>Heating performance 70 °C / 60 °C (1)</b>																																				
Heating capacity	kW			1,45	2,00	2,40	1,55	2,19	2,65	2,02	2,95	3,70	2,20	3,18	4,05	3,47	4,46	5,50	3,77	4,92	6,15	4,32	5,74	7,15	4,57	6,29	7,82	5,27	7,31	8,50	5,82	8,34	9,75			
Water flow rate system side	l/h			125	172	206	136	192	232	177	258	324	193	278	355	304	391	482	330	431	539	379	503	627	400	551	685	462	641	745	510	731	855			
Pressure drop system side	kPa			4	7	9	5	9	12	6	12	18	7	15	23	7	12	18	8	14	20	9	16	24	6	11	16	12	21	28	10	20	26			
<b>Heating performance 45 °C / 40 °C (2)</b>																																				
Heating capacity	kW			0,72	0,99	1,19	0,77	1,09	1,31	1,00	1,46	1,84	1,09	1,58	2,01	1,72	2,21	2,73	1,87	2,44	3,06	2,14	2,85	3,55	2,27	3,12	3,88	2,62	3,63	4,22	2,89	4,14	4,85			
Water flow rate system side	l/h			126	173	207	134	189	229	174	254	319	190	274	350	299	385	475	325	425	531	373	495	617	394	543	675	455	631	734	502	720	842			
Pressure drop system side	kPa			4	7	10	5	9	12	6	12	18	8	15	22	8	12	18	8	14	20	10	16	24	6	11	16	12	21	28	10	20	26			
<b>Cooling performance 7 °C / 12 °C</b>																																				
Cooling capacity	kW			0,65	0,84	1,00	0,80	1,06	1,27	0,89	1,28	1,60	1,06	1,55	1,94	1,68	2,17	2,65	1,89	2,46	3,02	2,20	2,92	3,60	2,41	3,21	4,03	2,68	3,69	4,25	2,91	4,13	4,79			
Sensible cooling capacity	kW			0,51	0,69	0,83	0,57	0,80	0,97	0,71	1,05	1,33	0,79	1,20	1,52	1,26	1,65	2,04	1,33	1,76	2,18	1,59	2,14	2,67	1,69	2,30	2,90	1,94	2,73	3,18	2,07	2,98	3,49			
Water flow rate system side	l/h			112	144	172	138	182	219	153	221	275	182	267	334	288	374	456	350	460	560	379	503	619	414	552	694	460	634	731	501	711	824			
Pressure drop system side	kPa			4	6	8	6	12	13	6	12	18	8	17	25	8	13	18	11	18	25	10	16	24	9	15	22	13	22	29	12	22	28			
<b>Fan</b>																																				
Type	type			Centrifugal																																
Fan motor	type			Asynchronous																																
Number	no.			3			1			1			1			2			2			2			2			2			2					
Air flow rate	m <sup>3</sup> /h			110	160	200	110	160	200	140	220	290	140	220	290	260	350	450	260	350	450	330	460	600	330	460	600	400	600	720	400	600	720			
Input power	W			19	29	35	19	29	35	25	29	33	25	29	33	25	33	44	25	33	44	30	43	57	30	43	57	38	52	76	38	52	76			
Electrical wiring				V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3
<b>Fan coil sound data (3)</b>																																				
Sound power level	dB(A)			31,0	38,0	45,0	31,0	38,0	45,0	35,0	46,0	51,0	35,0	46,0	51,0	34,0	41,0	48,0	34,0	41,0	48,0	37,0	44,0	51,0	37,0	44,0	51,0	42,0	51,0	56,0	42,0	51,0	56,0			
Sound pressure level	dB(A)			23,0	30,0	37,0	23,0	30,0	37,0	27,0	38,0	43,0	27,0	38,0	43,0	26,0	33,0	40,0	26,0	33,0	40,0	29,0	36,0	43,0	29,0	36,0	43,0	34,0	43,0	48,0	34,0	43,0	48,0			
<b>Diametre hydraulic fittings</b>																																				
Main heat exchanger	Ø			1/2"			1/2"			1/2"			1/2"			3/4"			3/4"			3/4"			3/4"			3/4"			3/4"					
<b>Power supply</b>																																				
Power supply	V/Ph/Hz			230V~50Hz																																
	FCZ600ASW			FCZ650ASW			FCZ700ASW			FCZ750ASW			FCZ800ASW			FCZ850ASW			FCZ900ASW			FCZ950ASW			FCZ1000ASW											
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3			
	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H			
<b>Heating performance 70 °C / 60 °C (1)</b>																																				
Heating capacity	kW			6,50	8,10	10,00	7,19	9,15	11,50	8,10	9,80	11,00	9,10	11,30	12,50	9,80	10,80	12,00	11,30	12,35	14,00	10,77	13,35	15,14	11,20	14,42	17,10	12,53	15,24	17,02						
Water flow rate system side	l/h			570	710	877	631	802	1008	710	860	964	798	991	1096	859	947	1052	991	1083	1227	945	1171	1328	982	1264	1500	1101	1337	1493						
Pressure drop system side	kPa			12	18	26	14	21	31	17	24	29	10	15	18	22	27	32	17	20	25	12	17	22	16	24	33	22	32	38						
<b>Heating performance 45 °C / 40 °C (2)</b>																																				
Heating capacity	kW			3,32	4,03	4,97	3,57	4,55	5,72	4,03	4,87	5,47	4,52	5,62	6,21	4,87	5,37	5,97	5,62	6,14	6,96	5,35	6,64	7,53	5,57	7,17	8,50	6,24	7,58	8,46						
Water flow rate system side	l/h			561	699	863	621	790	993	699	846	950	786	975	1079	846	932	1036	975	1066	1209	930	1152	1307	967	1245	1476	1084	1316	1469						
Pressure drop system side	kPa			12	18	26	14	20	31	16	24	29	10	14	18	22	26	32	6	20	25	12	17	22	15	24	33	22	31	38						
<b>Cooling performance 7 °C / 12 °C</b>																																				
Cooling capacity	kW			3,22	3,90	4,65	3,95	4,80	5,67	3,92	4,89	5,50	4,27	5,34	6,14	4,84	5,66	6,10	5,26	6,29	6,91	4,29	5,00	6,91	5,77	7,32	8,60	5,69	6,88	7,62						
Sensible cooling capacity	kW			2,56	3,17	3,92	2,78	3,43	4,12	2,99	3,76	4,30	3,20	4,05	4,72	3,72	4,42	4,83	4,00	4,83	5,36	2,97	3,78	5,68	3,80	4,87	5,78	4,42	5,34	5,53						
Water flow rate system side	l/h			554	671	800	595	825	975	675	841	946	734	918	1056	833	974	1049	904	1082	1189	738	860	1189	992	1259	1479	979	1183	1311						
Pressure drop system side	kPa			14	19	26	15	21	28	16	24	30	10	14	18	20	26	30	14	20	23	10	12	22	15	22	30	22	31	36						
<b>Fan</b>																																				
Type	type			Centrifugal																																
Fan motor	type			Asynchronous																																
Number	no.			3			3			3			3			3			3			3			3			3								
Air flow rate	m <sup>3</sup> /h			520	720	920	520	720	920	700	930	1140	700	930	1140	900	1120	1300	900	1120	1300	700	930	1140	700	930	1140	900	1120	1300						
Input power	W			38	60	91	38	60	91	59	80	106	59	80	106	80	100	131	80	100	131	59	80	106	59	80	106	80	100	131						
Electrical wiring				V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3			
<b>Fan coil sound data (3)</b>																																				
Sound power level	dB(A)			42,0	51,0	57,0	42,0	51,0	57,0	50,0	57,0	62,0	50,0	57,0	62,0	56,0	61,0	66,0	56,0	61,0	66,0	51,0	57,0	62,0	51,0	57,0	62,0	56,0	61,0	66,0						
Sound pressure level	dB(A)			34,0	43,0	49,0	34,0	43,0	49,0	42,0	49,0	54,0	42,0	49,0	54,0	48,0	53,0	58,0	48,0	53,0	58,0	43,0	49,0	54,0	43,0	49,0	54,0	48,0	53,0	58,0						
<b>Diametre hydraulic fittings</b>																																				
Main heat exchanger	Ø			3/4"																																
<b>Power supply</b>																																				
Power supply	V/Ph/Hz			230V~50Hz																																

(1) Room air temperature 20 °C d.b.; Water (in/out) 70 °C/60 °C

(2) Room air temperature 20 °C d.b.; Water (in/out) 45 °C/40 °C; EUROVENT

(3) Aermec determines the sound power value on the basis of measurements taken in accordance with standard UNI EN 16583:15, respecting the Eurovent certification.

## FCZI-ASW

### 2-pipe

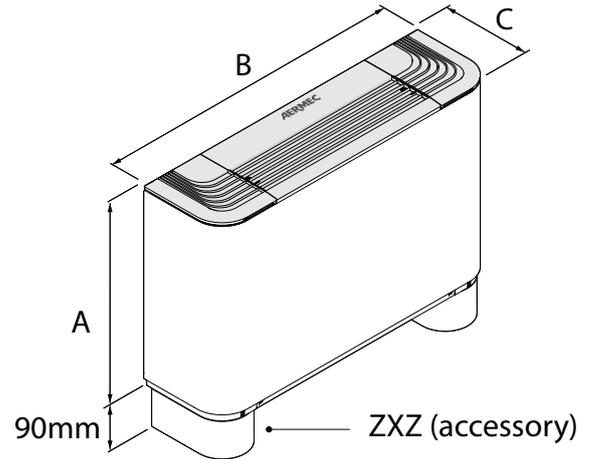
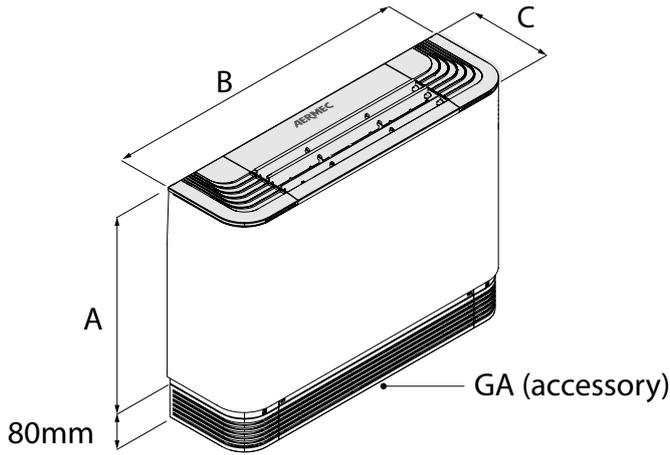
	FCZI200ASW			FCZI250ASW			FCZI300ASW			FCZI350ASW			FCZI400ASW			FCZI450ASW					
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3			
	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H			
<b>Heating performance 70 °C / 60 °C (1)</b>																					
Heating capacity	kW			2,02	2,95	3,70	2,20	3,18	4,05	3,47	4,46	5,50	3,77	4,92	6,15	4,32	5,74	7,15	4,57	6,29	7,82
Water flow rate system side	l/h			177	258	324	193	278	355	304	391	482	330	431	539	379	503	627	400	551	685
Pressure drop system side	kPa			6	12	18	7	15	23	7	12	18	8	14	20	9	16	24	6	11	16
<b>Heating performance 45 °C / 40 °C (2)</b>																					
Heating capacity	kW			1,00	1,46	1,84	1,09	1,58	2,01	1,72	2,21	2,73	1,87	2,44	3,06	2,14	2,85	3,55	2,27	3,12	3,88
Water flow rate system side	l/h			174	254	319	190	274	350	299	385	475	325	425	531	373	495	617	394	543	675
Pressure drop system side	kPa			6	12	18	8	15	22	8	12	18	9	14	21	10	16	24	6	11	16
<b>Cooling performance 7 °C / 12 °C</b>																					
Cooling capacity	kW			0,89	1,28	1,60	1,06	1,55	1,94	1,68	2,17	2,65	1,89	2,46	3,02	2,20	2,92	3,60	2,41	3,21	4,03
Sensible cooling capacity	kW			0,71	1,05	1,33	0,79	1,20	1,52	1,26	1,65	2,04	1,33	1,76	2,18	1,59	2,14	2,67	1,69	2,30	2,90
Water flow rate system side	l/h			153	221	275	182	267	334	288	374	456	350	460	560	379	503	619	414	552	694
Pressure drop system side	kPa			6	12	18	8	17	25	8	13	18	11	18	25	10	17	24	9	15	22
<b>Fan</b>																					
Type	type	Centrifugal			Centrifugal			Centrifugal			Centrifugal			Centrifugal			Centrifugal				
Fan motor	type	Inverter			Inverter			Inverter			Inverter			Inverter			Inverter				
Number	no.	1			1			2			2			2			2				
Air flow rate	m <sup>3</sup> /h	140	220	290	140	220	290	260	350	450	260	350	450	330	460	600	330	460	600		
Input power	W	5	8	14	5	8	14	5	7	13	5	7	13	5	10	18	5	10	18		
Signal 0-10V	%	44	68	90	44	68	90	52	70	90	52	70	90	49	68	90	49	68	90		
<b>Fan coil sound data (3)</b>																					
Sound power level	dB(A)	35,0	46,0	51,0	35,0	46,0	51,0	34,0	41,0	48,0	34,0	41,0	48,0	37,0	44,0	51,0	37,0	44,0	51,0		
Sound pressure level	dB(A)	27,0	38,0	43,0	27,0	38,0	43,0	26,0	33,0	40,0	26,0	33,0	40,0	29,0	36,0	43,0	29,0	36,0	43,0		
<b>Diameter hydraulic fittings</b>																					
Main heat exchanger	Ø	1/2"			1/2"			3/4"			3/4"			3/4"			3/4"				
<b>Power supply</b>																					
Power supply	V/Ph/Hz	230V~50Hz			230V~50Hz			230V~50Hz			230V~50Hz			230V~50Hz			230V~50Hz				
	FCZI500ASW			FCZI550ASW			FCZI700ASW			FCZI750ASW			FCZI900ASW			FCZI950ASW					
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3			
	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H			
<b>Heating performance 70 °C / 60 °C (1)</b>																					
Heating capacity	kW			5,27	7,31	8,50	5,82	8,34	9,75	8,10	9,80	11,00	9,10	11,30	12,50	10,77	13,35	15,14	11,20	14,42	17,10
Water flow rate system side	l/h			462	641	745	510	731	855	710	860	964	798	991	1096	945	1171	1328	982	1264	1500
Pressure drop system side	kPa			12	21	28	10	20	26	17	23	29	10	15	18	12	17	22	16	25	33
<b>Heating performance 45 °C / 40 °C (2)</b>																					
Heating capacity	kW			2,62	3,63	4,22	2,89	4,14	4,85	4,03	4,87	5,47	4,50	5,60	6,20	5,35	6,64	7,53	5,57	7,17	8,50
Water flow rate system side	l/h			455	631	734	502	720	842	699	846	950	786	975	1079	930	1152	1307	967	1245	1476
Pressure drop system side	kPa			12	21	28	10	20	26	17	24	29	10	15	18	12	17	22	15	24	33
<b>Cooling performance 7 °C / 12 °C</b>																					
Cooling capacity	kW			2,68	3,69	4,25	2,91	4,13	4,79	3,92	4,89	5,50	4,27	5,34	6,14	4,29	5,00	6,91	5,77	7,32	8,60
Sensible cooling capacity	kW			1,94	2,73	3,18	2,07	2,98	3,49	2,99	3,76	4,30	3,20	4,05	4,72	2,97	3,78	5,68	3,80	4,87	5,78
Water flow rate system side	l/h			460	634	731	501	711	824	675	841	946	734	918	1056	738	860	1189	992	1259	1479
Pressure drop system side	kPa			13	23	29	12	22	28	17	25	30	10	15	19	10	13	22	15	23	30
<b>Fan</b>																					
Type	type	Centrifugal			Centrifugal			Centrifugal			Centrifugal			Centrifugal			Centrifugal				
Fan motor	type	Inverter			Inverter			Inverter			Inverter			Inverter			Inverter				
Number	no.	2			2			3			3			3			3				
Air flow rate	m <sup>3</sup> /h	400	600	720	400	600	720	700	930	1140	700	930	1140	700	930	1140	700	930	1140		
Input power	W	7	18	34	7	18	38	30	40	80	30	40	80	30	40	80	30	40	80		
Signal 0-10V	%	50	74	90	50	74	90	56	72	90	56	72	90	56	72	90	56	72	90		
<b>Fan coil sound data (3)</b>																					
Sound power level	dB(A)	42,0	51,0	56,0	42,0	51,0	56,0	50,0	57,0	62,0	50,0	57,0	62,0	51,0	57,0	62,0	51,0	57,0	62,0		
Sound pressure level	dB(A)	34,0	43,0	48,0	34,0	43,0	48,0	42,0	49,0	54,0	42,0	49,0	54,0	43,0	49,0	54,0	43,0	49,0	54,0		
<b>Diameter hydraulic fittings</b>																					
Main heat exchanger	Ø	3/4"			3/4"			3/4"			3/4"			3/4"			3/4"				
<b>Power supply</b>																					
Power supply	V/Ph/Hz	230V~50Hz			230V~50Hz			230V~50Hz			230V~50Hz			230V~50Hz			230V~50Hz				

(1) Room air temperature 20 °C d.b.; Water (in/out) 70 °C/60 °C

(2) Room air temperature 20 °C d.b.; Water (in/out) 45 °C/40 °C; EUROVENT

(3) Aermec determines the sound power value on the basis of measurements taken in accordance with standard UNI EN 16583:15, respecting the Eurovent certification.

## DIMENSIONS



## FCZ-ASW

		FCZ100ASW	FCZ150ASW	FCZ200ASW	FCZ250ASW	FCZ300ASW	FCZ350ASW	FCZ400ASW
<b>Dimensions and weights</b>								
A	mm	486	486	486	486	486	486	486
B	mm	640	640	750	750	980	980	1200
C	mm	220	220	220	220	220	220	220
Empty weight	kg	13	14	15	16	17	19	23

		FCZ450ASW	FCZ500ASW	FCZ550ASW	FCZ600ASW	FCZ650ASW	FCZ700ASW	FCZ750ASW
<b>Dimensions and weights</b>								
A	mm	486	486	486	486	486	486	486
B	mm	1200	1200	1200	1320	1320	1320	1320
C	mm	220	220	220	220	220	220	220
Empty weight	kg	24	22	24	29	33	29	33

		FCZ800ASW	FCZ850ASW	FCZ900ASW	FCZ950ASW	FCZ1000ASW
<b>Dimensions and weights</b>						
A	mm	486	486	591	591	591
B	mm	1320	1320	1320	1320	1320
C	mm	220	220	220	220	220
Empty weight	kg	29	33	34	34	34

## FCZI-ASW

		FCZI200ASW	FCZI250ASW	FCZI300ASW	FCZI350ASW	FCZI400ASW	FCZI450ASW
<b>Dimensions and weights</b>							
A	mm	486	486	486	486	486	486
B	mm	750	750	980	980	1200	1200
C	mm	220	220	220	220	220	220
Empty weight	kg	15	16	17	18	22	24

		FCZI500ASW	FCZI550ASW	FCZI700ASW	FCZI750ASW	FCZI900ASW	FCZI950ASW
<b>Dimensions and weights</b>							
A	mm	486	486	486	486	591	591
B	mm	1200	1200	1320	1320	1320	1320
C	mm	220	220	220	220	220	220
Empty weight	kg	22	24	29	31	34	34

Aermec reserves the right to make any modifications deemed necessary. All data is subject to change without notice. Aermec does not assume responsibility or liability for errors or omissions.

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