

FCZ_120US

Fan coil for universal and floor installation

Cooling capacity 4.9 ÷ 58.0 MBTU/h
Heating capacity 2.2 ÷ 26 MBTU/h



- Very quiet
- Vertical and horizontal installation



DESCRIPTION

fan coil can be installed in any 2/4 pipe system and operates with any heat generator even at low temperatures, and thanks to varied versions and settings, it is easy to pick the ideal solution for any need.

FEATURES

Case

Protective metal cabinet with anti-corrosion polyester RAL 9003 paint, whereas the head with the air distribution grille is in RAL 7047 plastic.

Air distribution grille with fixed fins.

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

Heat exchanger coil

With copper pipes and aluminium louvers, the standard or oversized main coil and the possible secondary coil have 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.

Reversibility of the water connections during installation only for units with a standard or boosted main coil, or standard with BV accessory. Not reversible in all other configurations. In any case, units with the coil water connections on the right are available at the time of ordering.

Condensate drip

Provided standard in plastic and fixed to the interior structure; with external condensate discharge.

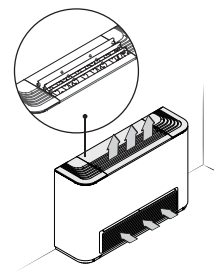
Air filter

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

VERSIONS

UA Universal, with fixed air distribution grille but without built-in thermostat

Versions with fixed grille (high cabinet)



FCZ_UA

- Compatibility with VMF system.
- Without installed switch
- Air distribution grille with fixed louvers.
- Vertical and horizontal installation for 2-pipe and 4-pipe systems.

GUIDE TO SELECTING THE POSSIBLE CONFIGURATIONS

Field	Description
1,2,3	FCZ
4	Size 1, 2, 3, 4, 5, 6, 7, 8, 9, 10
5	Main coil
0	Standard
5	Oversized
6	Secondary coil
0	Without coil
1	Standard

ACCESSORIES

Control panels

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

SW3: Water temperature probe (L = 2.5 m).

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

TX24: Wall-mounting thermostat for controlling either brushless fan coils. 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 (Dualjet).

VMF system

VMF-E24: Thermostat to be secured to the side of the fan coil, fitted as standard with an air probe and a water probe, it controls systems with 2 pipes, 4 pipes, 2 pipes + Cold Plasma, 2 pipes + UV lamps, 2 pipes + Heating element. Equipped with an external contact to be used as a remote ON-OFF at low voltage. By means of 2-wire serial communication, this thermostat allows for the creation of a single fan coil area (1 master + maximum 5 slaves). Thanks to a different dip switch configuration, it allows implementing new features: In systems with two pipes and a heating element - the latter can be activated as a complete replacement - allowing you to warm the environment exclusively with this accessory - Dualjet features are available in standard software and can be set via dip switch - Economy contact/presence sensor - Additional water sensor for overall control in 4-pipe systems (with VMF-SW1 accessory) - Serial RS485, ModBus RTU protocol, for centralised control - Possibility of inserting expansion boards for future developments. The VMF-E19 accessory must be therefore used in masters in the presence of multiple zones, or for communication with the chiller/heat pump - Compatibility with the VMF-IO accessory - Compatibility with VMF-LON expansion board. The thermostat is protected by a fuse.

VMF-E2Z: User interface on the machine, to be combined with the VMF-E0X, VMF-E19 or VMF-E19I accessory.

VMF-E3: Wall mounted user interface, to be combined with accessories VMF-E19, VMF-E19I, VMF-E0X with grids GLF_N/M and GLL_N, can be controlled with VMF-IR control.

VMF-E4DX: Wall-mounted user interface. Grey front panel PANTONE 425C (METAL).

VMF-E4X: Wall-mounted user interface. Light grey front panel PANTONE COOL GRAY 1C.

ACCESSORIES COMPATIBILITY

Control panels

Model	Ver	100	101	150	200	201	250	300	301	350	400	401	450	500	501	550
SA5 (1)	UA	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SW3 (1)	UA	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SW5 (1)	UA	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TX24 (2)	UA	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

Model	Ver	600	601	650	700	701	750	800	801	850	900	901	950	1000	1001
SA5 (1)	UA	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SW3 (1)	UA	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SW5 (1)	UA	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TX24 (2)	UA	.	.	.	.	.	.	.	.	.	.	.	.	.	.

(1) Probe for AERS03IR-TX thermostats, if fitted.

(2) Wall-mount installation.

Field	Description
7,8	Version
UA	Universal, with fixed air distribution grille but without built-in thermostat
9,10,11,12	Power supply
/120	Power supply 120V
13	Options
°	Without options
M	Unit with transformer for power supplies 208/220/277V
MT	Unit with transformer and on-board control
T	Units with on-board control

VMF-IR: User interface compatible with the AERS03IR thermostat and with all the grids of cassettes equipped with the infrared receiver compatible with the VMF system.

Water valves

VCZ_X: 3-way valve kit for single-coil fan coil, RH connections, for 4-pipe systems. With totally separate "heating" and "cooling" circuits. This kit consists of two 3-way insulated valves and four connections, complete with electrothermal actuators, insulating shells for the valves, and the relative hydraulic couplings. X4L version for fan coils with LH connections, and X4R for fan coils with RH connections. 230V~50Hz power supply.

VCZ: 3-way motorised valve kit. The kit consists of a valve with its insulating shell, an actuator and the relative pipe fittings. It can be installed on fan coils with both right and left connections.

VCF44 - 45 - for the secondary coil: The 3-way motorised valve kit for the secondary coil or an optional heat only coil. The kit consists of a valve with its insulating shell, actuator and relevant water fittings; it is suitable to be installed on the fan coils with right and left water connections.

VCZD: 2-way motorised valve kit. The kit consists of a valve, an actuator and the relative pipe fittings. It can be installed on fan coils with both right and left connections.

VJP: Control and balancing combination valve for 2 and 4 pipe systems to install outside the unit, supplied without fittings and hydraulic components. The valve, which can guarantee a constant water flow rate in the terminal, within its operating range.

(Heating only) additional coil

BV: Single row hot water heat exchanger.

RX: Armoured electric coil with safety thermostat.

Installation accessories

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 FKIT accessory is needed only in the case of floor installation.

FIKIT: Metal supports for vertical installation of the GA grille.

DSCZ4: Condensate drainage device.

BCZ: Condensate drip.

AMP: Wall mounting kit

VMF system

For more information about VMF system, refer to the dedicated documentation.

VMF system

Model	Ver	100	101	150	200	201	250	300	301	350	400	401	450	500	501	550
VMF-E24	UA	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
VMF-E2Z	UA	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
VMF-E3	UA	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
VMF-E4DX	UA	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
VMF-E4X	UA	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
VMF-IR	UA	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

Model	Ver	600	601	650	700	701	750	800	801	850	900	901	950	1000	1001
VMF-E24	UA	.	.	.	.	.	.	.	.	.	.	.	.	.	.
VMF-E2Z	UA	.	.	.	.	.	.	.	.	.	.	.	.	.	.
VMF-E3	UA	.	.	.	.	.	.	.	.	.	.	.	.	.	.
VMF-E4DX	UA	.	.	.	.	.	.	.	.	.	.	.	.	.	.
VMF-E4X	UA	.	.	.	.	.	.	.	.	.	.	.	.	.	.
VMF-IR	UA	.	.	.	.	.	.	.	.	.	.	.	.	.	.

Water valves

3 way valve kit

		100	101	150	200	201	250	300	301	350	400	401	450
Main coil	VCZ4124	VCZ4124	VCZ4124	VCZ4124	VCZ4124	VCZ4124	VCZ4124	VCZ4224	VCZ4224	VCZ4224	VCZ4224	VCZ4224	VCZ4224
Secondary coil	-	VCF4424	-	-	VCF4424	-	-	VCF4424	-	-	-	VCF4424	-
Additional coil "BV"	VCF4424	-	-	VCF4424	-	-	-	VCF4424	-	-	VCF4424	-	-

		500	501	550	600	601	650	700	701	750	800	801	850
Main coil	VCZ4224	VCZ4224	VCZ4224	VCZ4224	VCZ4224	VCZ4224	VCZ4224	VCZ4224	VCZ4224	VCZ4224	VCZ4224	VCZ4224	VCZ4224
Secondary coil	-	VCF4424	-	-	VCF4424	-	-	VCF4424	-	-	-	VCF4424	-
Additional coil "BV"	VCF4424	-	-	VCF4424	-	-	-	VCF4424	-	-	VCF4424	-	-

		900	901	950	1000	1001
Main coil	VCZ4324	VCZ4324	VCZ4324	VCZ4324	VCZ4324	VCZ4324
Secondary coil	-	VCF4524	-	-	VCF4524	-
Additional coil "BV"	VCF4524	-	-	VCF4524	-	-

2 way valve kit

		100	101	150	200	201	250	300	301	350	400	401	450	500	501	550
Main coil	VCZD124	VCZD124	VCZD124	VCZD124	VCZD124	VCZD124	VCZD124	VCZD224	VCZD224	VCZD224	VCZD224	VCZD224	VCZD224	VCZD224	VCZD224	VCZD224
Secondary coil	-	VCFD424	-	-	VCFD424	-	-	VCFD424	-	-	VCFD424	-	-	VCFD424	-	-
Additional coil "BV"	VCFD424	-	-	VCFD424	-	-	-	VCFD424	-	-	VCFD424	-	-	VCFD424	-	-

		600	601	650	700	701	750	800	801	850	900	901	950	1000	1001
Main coil	VCZD224	VCZD224	VCZD224	VCZD224	VCZD224	VCZD224	VCZD224	VCZD224	VCZD224	VCZD224	VCZD324	VCZD324	VCZD324	VCZD324	VCZD324
Secondary coil	-	VCFD424	-	-	VCFD424	-	-	VCFD424	-	-	VCFD424	-	-	VCFD424	-
Additional coil "BV"	VCFD424	-	-	VCFD424	-	-	-	VCFD424	-	-	VCFD424	-	-	VCFD424	-

Valve Kit for 4 pipe systems - Requires a thermostat with valve management

Model	Ver	100	101	150	200	201	250	300	301	350	400	401	450	500	501	550
VCZ1X4L (1)	UA	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
VCZ1X4R (1)	UA	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
VCZ2X4L (1)	UA	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
VCZ2X4R (1)	UA	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

Model	Ver	600	601	650	700	701	750	800	801	850	900	901	950	1000	1001
VCZ2X4L (1)	UA	.	.	.	.	.	.	.	.	.	.	.	.	.	.
VCZ2X4R (1)	UA	.	.	.	.	.	.	.	.	.	.	.	.	.	.
VCZ3X4L (1)	UA	.	.	.	.	.	.	.	.	.	.	.	.	.	.
VCZ3X4R (1)	UA	.	.	.	.	.	.	.	.	.	.	.	.	.	.

(1) The valves can be combined with the units if there is a control panel for managing them.

Combined Adjustment and Balancing Valve Kit

Model	Ver	100	101	150	200	201	250	300	301	350	400	401	450	500	501	550
VJP060M (1)	UA	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
VJP090M (1)	UA	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
VJP150M (1)	UA	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

Model	Ver	600	601	650	700	701	750	800	801	850	900	901	950	1000	1001
VJP090M (1)	UA	.	.	.	.	.	.	.	.	.	.	.	.	.	.
VJP150M (1)	UA	.	.	.	.	.	.	.	.	.	.	.	.	.	.

(1) 24V

(Heating only) additional coil

Heating only additional coil

Model	Ver	100	101	150	200	201	250	300	301	350	400	401	450	500	501	550
BV117 (1)	UA	.														
BV122 (1)	UA				.											
BV132 (1)	UA							.								
BV142 (1)	UA										.			.		
Model	Ver	600	601	650	700	701	750	800	801	850	900	901	950	1000	1001	
BV162 (1)	UA										.				.	
BVZ800 (1)	UA	.			.			.								

(1) Not available for sizes with oversized main coil.

Installation accessories

Wall mounting kit

Model	Ver	100	101	150	200	201	250	300	301	350	400	401	450	500	501	550
AMP20	UA	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Model	Ver	600	601	650	700	701	750	800	801	850	900	901	950	1000	1001	
AMPZ	UA	.	.	.	.	.	.	.	.	.	.	.	.	.	.

Condensate recirculation device

Model	Ver	100	101	150	200	201	250	300	301	350	400
DSCZ4 (1)	UA	.	.	.	.	.	.	.	.	.	.
Model	Ver	401	450	500	501	550	600	601	650	700	701
DSCZ4 (1)	UA	.	.	.	.	.	.	.	.	.	.
Model	Ver	750	800	801	850	900	901	950	1000	1001	
DSCZ4 (1)	UA	.	.	.	.	.	.	.	.	.

(1) DSC4 cannot be mounted if even just one of these accessories is also installed: AMP - AMPZ valve VCZ1-2-3-4 X4L/R and all the condensate collection trays.

Condensate drip

Model	Ver	100	101	150	200	201	250	300	301	350	400	401	450	500	501	550
BCZ4 (1)	UA	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
BCZ5 (2)	UA	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Model	Ver	600	601	650	700	701	750	800	801	850	900	901	950	1000	1001	
BCZ4 (1)	UA	.	.	.	.	.	.	.	.	.	.	.	.	.	.
BCZ5 (2)	UA	.	.	.	.	.	.	.	.	.	.	.	.	.	.

(1) For vertical installation.
(2) For horizontal installation.

Panel closing the rear of the unit

Model	Ver	100	101	150	200	201	250	300	301	350	400	401	450	500	501	550
PCZ100	UA	.	.	.												
PCZ200	UA				.	.	.									
PCZ300	UA							.	.	.						
PCZ500	UA										.	.	.	.	.	.
Model	Ver	600	601	650	700	701	750	800	801	850	900	901	950	1000	1001	
PCZ1000	UA										.	.	.	.	.
PCZ800	UA	.	.	.	.	.	.	.	.	.

Lower intake grille

Model	Ver	100	101	150	200	201	250	300	301	350	400	401	450	500	501	550
GA100	UA	.	.	.												
GA200	UA				.	.	.									
GA300	UA							.	.	.						
GA500	UA										.	.	.	.	.	.
Model	Ver	600	601	650	700	701	750	800	801	850	900	901	950	1000	1001	
GA800	UA	.	.	.	.	.	.	.	.	.	.	.	.	.	.

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

Model	Ver	100	101	150	200	201	250	300	301	350	400	401	450	500	501	550
FIKIT100	UA	.	.	.												
FIKIT200	UA				.	.	.									
FIKIT300	UA							.	.	.						
FIKIT500	UA										.	.	.	.	.	.
Model	Ver	600	601	650	700	701	750	800	801	850	900	901	950	1000	1001	
FIKIT800	UA	.	.	.	.	.	.	.	.	.	.	.	.	.	.

Pair of stylish structural feet

Model	Ver	100	101	150	200	201	250	300	301	350	400
ZXZ	UA	.	.	.	.	.	.	.	.	.	.

Model	Ver	401	450	500	501	550	600	601	650	700	701
ZXZ	UA	.	.	.	.	.	.	.	.	.	.
Model	Ver	750	800	801	850	900	901	950	1000	1001	
ZXZ	UA	.	.	.	.	.	.	.	.	.

PERFORMANCE SPECIFICATIONS

2-pipe

	FCZ100UA			FCZ150UA			FCZ200UA			FCZ250UA			FCZ300UA			FCZ350UA			FCZ400UA			FCZ450UA			FCZ500UA			FCZ550UA					
	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			
Heating performance 158 °F / 140 °F (1)																																	
Heating capacity	MBTU/h			4.9	6.8	8.1	5.2	7.4	9.0	6.8	10.0	12.6	7.5	10.8	13.8	11.8	15.2	18.7	12.8	16.7	20.9	14.7	19.5	24.3	15.5	21.4	26.6	17.9	24.9	29.0	19.8	28.4	33.2
Water flow rate system side	gpm			0,6	0,8	0,9	0,6	0,8	1,0	0,8	1,1	1,4	0,8	1,2	1,6	1,3	1,7	2,1	1,5	1,9	2,4	1,7	2,2	2,8	1,8	2,4	3,0	2,0	2,8	3,3	2,2	3,2	3,8
Pressure drop system side	ft H ₂ O			1,28	2,26	3,14	1,59	2,96	4,10	1,99	3,92	5,92	2,58	4,99	7,73	2,57	4,04	5,91	2,87	4,65	6,95	3,23	5,37	7,99	2,05	3,65	5,39	3,97	7,15	9,39	3,44	6,56	8,70
Heating performance 113 °F / 104 °F (2)																																	
Heating capacity	MBTU/h			2.4	3.4	4.1	2.6	3.7	4.5	3.4	4.9	6.2	3.7	5.3	6.8	5.8	7.5	9.3	6.3	8.3	10.4	7.3	9.7	12.1	7.7	10.6	13.2	8.9	12.4	14.4	9.8	14.1	16.5
Water flow rate system side	gpm			0,6	0,8	0,9	0,6	0,8	1,0	0,8	1,1	1,4	0,8	1,2	1,5	1,3	1,7	2,1	1,4	1,9	2,3	1,6	2,2	2,7	1,7	2,4	3,0	2,0	2,8	3,2	2,2	3,2	3,7
Pressure drop system side	ft H ₂ O			1,25	2,22	3,09	1,56	2,91	4,10	1,96	3,85	5,81	2,53	4,90	7,79	2,53	3,97	5,81	2,82	4,57	6,83	3,17	5,28	7,85	2,02	3,58	5,29	3,90	7,03	9,22	3,38	6,45	8,55
Cooling performances 44.6 °F / 53.6 °F (3)																																	
Cooling capacity	MBTU/h			2.2	2.9	3.4	2.7	3.6	4.3	3	4.4	5.5	3.6	5.3	6.6	5.7	7.4	9	6.4	8.4	10.3	7.5	10	12.3	8.2	11	13.8	9.1	12.6	14.5	9.9	14.1	16.3
Sensible cooling capacity	MBTU/h			1.7	2.4	2.8	1.9	2.7	3.3	2.4	3.6	4.5	2.7	4.1	5.2	4.3	5.6	7	4.5	6	7.4	5.4	7.3	9.1	5.8	7.8	9.9	6.6	9.3	10.9	7.1	10.2	11.9
Water flow rate system side	gpm			0,5	0,6	0,8	0,6	0,8	1,0	0,7	1,0	1,2	0,8	1,2	1,5	1,3	1,6	2,0	1,5	2,0	2,5	1,7	2,2	2,7	1,8	2,4	3,1	2,0	2,8	3,2	2,2	3,1	3,6
Pressure drop system side	ft H ₂ O			1,23	1,96	2,68	1,90	3,13	4,33	2,10	4,07	6,03	2,81	5,61	8,35	2,65	4,22	6,02	3,59	5,77	8,38	3,33	5,53	8,04	2,91	4,88	7,36	4,23	7,53	9,71	3,82	7,17	9,39
Fan																																	
Type	type																																
Fan motor	type																																
Number	no.																																
Air flow rate	cfm																																
Fan coil sound data (4)																																	
Sound power level	dB(A)																																
Sound pressure	dB(A)																																
Diameter hydraulic fittings																																	
Main coil	Ø																																
Power supply																																	
Power supply	110-240V~60Hz																																
	FCZ600UA			FCZ650UA			FCZ800UA			FCZ850UA			FCZ900UA			FCZ950UA			FCZ1000UA														
	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			
Heating performance 158 °F / 140 °F (1)																																	
Heating capacity	MBTU/h			22.2	27.6	34.1	24.5	31.2	39.2	33.4	36.8	40.9	38.5	42.1	47.7	36.7	45.5	51.6	38.2	49.2	58.3	42.8	52.0	58.0									
Water flow rate system side	gpm			2,5	3,1	3,9	2,8	3,5	4,4	3,8	4,2	4,6	4,4	4,8	5,4	4,2	5,2	5,8	4,3	5,6	6,6	4,8	5,9	6,6									
Pressure drop system side	ft H ₂ O			4,01	5,95	8,69	4,48	6,91	10,43	7,48	8,91	10,78	5,67	6,66	8,34	3,97	5,84	7,32	5,19	8,18	11,12	7,44	10,54	12,86									
Heating performance 113 °F / 104 °F (2)																																	
Heating capacity	MBTU/h			11.0	13.7	16.9	12.2	15.5	19.5	16.6	18.3	20.3	19.1	20.9	23.7	18.2	22.6	25.7	19.0	24.4	29.0	21.3	25.8	28.8									
Water flow rate system side	gpm			2,5	3,1	3,8	2,7	3,5	4,4	3,7	4,1	4,6	4,3	4,7	5,3	4,1	5,1	5,8	4,3	5,5	6,5	4,8	5,8	6,5									
Pressure drop system side	ft H ₂ O			3,94	5,84	8,54	4,40	6,79	10,20	7,35	8,76	10,59	5,57	6,54	8,20	3,90	5,73	7,19	5,10	8,04	10,92	7,31	10,36	12,63									
Cooling performances 44.6 °F / 53.6 °F (3)																																	
Cooling capacity	MBTU/h			11	13.3	15.9	13.5	16.4	19.3	16.5	19.3	20.8	17.9	21.5	23.6	14.6	17.1	23.6	19.7	25	29.3	19.4	23.5	26									
Sensible cooling capacity	MBTU/h			8.7	10.8	13.4	9.5	11.7	14.1	12.7	15.1	16.5	13.6	16.5	18.3	10.1	12.9	19.4	13	16.6	19.7	15.1	18.2	18.9									
Water flow rate system side	gpm			2,4	3,0	3,5	2,6	3,6	4,3	3,7	4,3	4,6	4,0	4,8	5,2	3,2	3,8	5,2	4,4	5,5	6,5	4,3	5,2	5,8									
Pressure drop system side	ft H ₂ O			4,49	6,34	8,70	4,90	6,95	9,37	6,62	8,79	10,04	4,71	6,49	7,69	3,12	4,11	7,36	4,90	7,51	10,04	7,32	10,30	12,38									
Fan																																	
Type	type																																
Fan motor	type																																
Number	no.																																
Air flow rate	cfm																																
Fan coil sound data (4)																																	
Sound power level	dB(A)																																
Sound pressure	dB(A)																																
Diameter hydraulic fittings																																	
Main coil	Ø																																
Power supply																																	
Power supply	110-240V~60Hz																																

(1) Room air temperature 68 °F d.b.; Water (in/out) 158 °F/140 °F

(2) Room air temperature 68 °F b.s.; Water (in/out) 113 °F/104 °F

(3) Room air temperature 80.6 °F b.s./66.2 °F b.u.; Water (in/out) 44.6 °F/53.6 °F

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

4-pipe

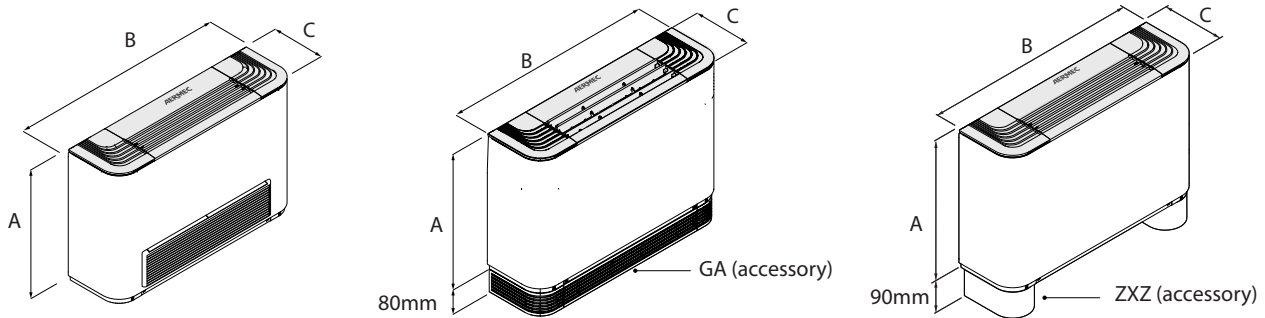
	FCZ101UA			FCZ201UA			FCZ301UA			FCZ401UA			FCZ501UA			FCZ601UA			FCZ701UA			FCZ801UA			FCZ901UA			FCZ1001UA								
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3			
	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H
Heating performance 149 °F / 131 °F (1)																																				
Heating capacity	MBTU/h			1.4	1.9	2.2	1.9	2.5	3.0	3.4	4.1	4.8	4.0	5.0	5.9	4.9	6.3	7.0	5.6	6.9	8.2	6.9	8.1	9.3	7.9	9.0	10.1	8.9	10.6	10.8	9.2	10.5	11.5			
Water flow rate system side	gpm			0,3	0,4	0,5	0,4	0,6	0,7	0,8	0,9	1,1	0,9	1,1	1,3	1,1	1,4	1,6	1,3	1,6	1,9	1,6	1,8	2,1	1,8	2,0	2,3	2,0	2,4	2,4	2,1	2,4	2,6			
Pressure drop system side	ft H ₂ O			0,76	1,32	1,70	1,81	3,00	4,09	5,73	8,11	10,74	1,71	2,53	3,42	2,12	3,35	4,09	3,24	4,78	6,51	4,38	5,82	7,51	6,25	7,89	9,58	3,44	4,70	4,85	4,18	5,36	6,29			
Cooling performances 44.6 °F / 53.6 °F (2)																																				
Cooling capacity	MBTU/h			2.2	2.8	3.4	3.0	4.3	5.4	5.7	7.4	9.0	7.5	9.9	12.2	9.1	12.5	14.5	10.9	13.3	15.8	13.3	16.6	18.7	16.5	19.3	20.8	14.6	17.0	23.5	19.4	23.4	26.0			
Sensible cooling capacity	MBTU/h			1.7	2.3	2.8	2.4	3.5	4.5	4.3	5.6	6.9	5.4	7.3	9.1	6.6	9.3	10.8	8.7	10.8	13.3	10.2	12.8	14.6	12.6	15.0	16.4	10.1	12.8	19.3	15.0	18.2	18.8			
Water flow rate system side	gpm			0,5	0,6	0,8	0,7	1,0	1,2	1,3	1,6	2,0	1,7	2,2	2,7	2,0	2,8	3,2	2,4	3,0	3,5	3,0	3,7	4,2	3,7	4,3	4,6	3,2	3,8	5,2	4,3	5,2	5,8			
Pressure drop system side	ft H ₂ O			1,23	1,96	2,68	2,10	4,07	6,03	2,65	4,22	6,02	3,88	6,45	9,38	4,23	7,53	9,71	4,49	6,34	8,70	5,47	8,13	10,04	6,62	8,79	10,04	3,12	4,11	7,36	7,32	10,30	12,38			
Fan																																				
Type	Centrifugal																																			
Fan motor	Asynchronous																																			
Number	no.			1	1	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3						
Air flow rate	cfm			65	94	118	82	129	171	153	206	265	194	271	353	235	353	424	306	424	541	412	547	671	530	659	765	412	547	671	530	659	765			
Fan coil sound data (3)																																				
Sound power level	dB(A)			31,0	38,0	45,0	35,0	46,0	51,0	34,0	41,0	48,0	37,0	44,0	51,0	42,0	51,0	56,0	42,0	51,0	57,0	50,0	57,0	62,0	56,0	61,0	66,0	51,0	57,0	62,0	56,0	61,0	66,0			
Sound pressure	dB(A)			23,0	30,0	37,0	27,0	38,0	43,0	26,0	33,0	40,0	29,0	36,0	43,0	34,0	43,0	48,0	34,0	43,0	49,0	42,0	49,0	54,0	48,0	53,0	58,0	43,0	49,0	54,0	48,0	53,0	58,0			
Diameter hydraulic fittings																																				
Main coil	Ø 1/2"																																			
Secondary coil	Ø 1/2"			1/2"			3/4"			3/4"			3/4"			3/4"			3/4"			3/4"			3/4"			3/4"								
Power supply																																				
Power supply	110-240V~60Hz																																			

(1) Room air temperature 68 °F d.b.; Water (in/out) 149 °F/131 °F

(2) Room air temperature 80.6 °F b.s./66.2 °F b.u.; Water (in/out) 44.6 °F/53.6 °F

(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



		FCZ100UA	FCZ150UA	FCZ200UA	FCZ250UA	FCZ300UA	FCZ350UA	FCZ400UA	FCZ450UA	FCZ500UA	FCZ550UA	FCZ600UA	FCZ650UA	FCZ800UA	FCZ850UA	FCZ900UA	FCZ950UA	FCZ1000UA	
Dimensions and weights																			
A	in	19	19	19	19	19	19	19	19	19	19	19	19	19	19	23	23	23	
B	in	25	25	30	30	39	39	47	47	47	47	52	52	52	52	52	52	52	
C	in	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
Empty weight	lb	29	31	33	35	37	42	51	53	49	53	64	73	64	73	75	75	75	

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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