

FCZI-EUP

Fan coil unit for ducted installations

Cooling capacity 3.0 - 29.0 MBTU/h
 Heating capacity 3.4 - 58.3 MBTU/h

- Electric saving equal to 50% with respect to a fan coil with 3-speed motor
- Suitable for duct-type installations too
- Total comfort: reduced variations in temperature and relative humidity
- Vertical and horizontal installation
- Very quiet



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

Ventilation group

Centrifugal fans in anti-static plastic material with aerofoil profile designed to achieve high airflows and pressures whilst at the same time producing low noise.

Their characteristics permit energy savings compared to conventional fans.

They are statically and dynamically balanced and directly coupled to the motor shaft.

The Brushless electric motor with 0-100% continuous speed variation, which allows precise adaptation to the real demands of the internal environment without temperature fluctuations.

Heat exchanger coil

With copper pipes and aluminium fins, 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.

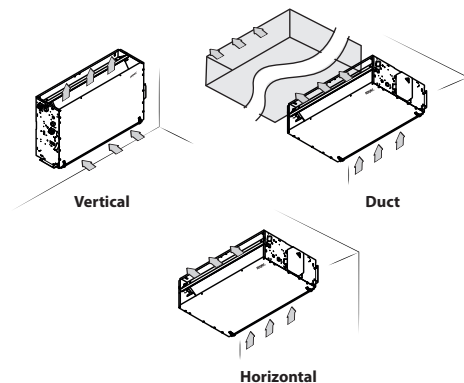
VERSIONS

EUPW: Eco universal 110-240 without shell and with electrical box on the same side of the water connections

EUP: Eco universal 110-240 without shell

EUPAF: Eco universal 110-240 without shell but with front intake

Flush-mounting and duct-type versions



In the standard configuration there is no useful static pressure available. If necessary for canaled installations, you must act on the engine dip switches, for more details refer to the technical documentation.

ACCESSORIES

Control panels

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.

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.

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-E24I: Thermostat for inverter unit to be fixed on the side of the fan coil, fitted as standard with an air and water probe.

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.

VMF-IR: User interface compatible with the AER503IR thermostat and with all the grids of cassettes equipped with the infrared receiver compatible with the VMF system.

Water valves

VCZ41: 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.

VCZ4124: 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.

VCZ42: 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.

VCZ4224: 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.

VCZ43: 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.

VCZ4324: 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.

(Heating only) additional coil

BV: Single row hot water heat exchanger.

Installation accessories

DSC: Condensate drainage device.

BC: Condensate drip.

BCZ: Condensate drip.

Ventilcassaforma: Galvanised sheet metal template. It makes it possible to obtain directly in the wall a space for housing the fan coil.

GA: Intake grid with fixed louvers

GAF: Intake grid with filter and fixed louvers

GM: Flow grid with adjustable louvers.

PA: Intake plenum in galvanised sheet metal, complete with suction couplings for circular-section ducts.

PAF: Intake plenum providing recovery and delivery on the same side, for all installations where the machine needs to be positioned outside the air conditioned rooms to minimise the noise levels and facilitate maintenance.

PM: Delivery plenum with circular flanges. Sandwich structure in hot galvanised steel, with interposed polyurethane foam (40 kg/m3). The panel is 15 mm thick. It is installed in place of the delivery panel with a rectangular flange, using the same 4 self-threading screws.

RD: Straight delivery coupling for canalisation.

RDA: Straight suction coupling for canalisation.

RP: 90° delivery coupling.

RPA: 90° suction coupling.

ACCESSORIES COMPATIBILITY

Control panels

Accessory	FCZ1200EUP	FCZ1250EUP	FCZ1300EUP	FCZ1350EUP	FCZ1400EUP	FCZ1450EUP	FCZ1500EUP	FCZ1550EUP	FCZ1700EUP	FCZ1750EUP	FCZ1900EUP	FCZ1950EUP
AER503IR	*	*	*	*	*	*	*	*	*	*	*	*
SA5	*	*	*	*	*	*	*	*	*	*	*	*
SW3	*	*	*	*	*	*	*	*	*	*	*	*
SW5	*	*	*	*	*	*	*	*	*	*	*	*
TX24	*	*	*	*	*	*	*	*	*	*	*	*

Accessory	FCZ1201EUP	FCZ1301EUP	FCZ1401EUP	FCZ1501EUP	FCZ1701EUP	FCZ1901EUP
AER503IR	*	*	*	*	*	*
SA5	*	*	*	*	*	*
SW3	*	*	*	*	*	*
SW5	*	*	*	*	*	*
TX24	*	*	*	*	*	*

VMF system

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

VMF system

Accessory	FCZ1200EUP	FCZ1250EUP	FCZ1300EUP	FCZ1350EUP	FCZ1400EUP	FCZ1450EUP	FCZ1500EUP	FCZ1550EUP	FCZ1700EUP	FCZ1750EUP	FCZ1900EUP	FCZ1950EUP
VMF-E24I	*	*	*	*	*	*	*	*	*	*	*	*
VMF-E4DX	*	*	*	*	*	*	*	*	*	*	*	*
VMF-E4X	*	*	*	*	*	*	*	*	*	*	*	*
VMF-IR	*	*	*	*	*	*	*	*	*	*	*	*
VMF-SW	*	*	*	*	*	*	*	*	*	*	*	*

Accessory	FCZI200EUP	FCZI250EUP	FCZI300EUP	FCZI350EUP	FCZI400EUP	FCZI450EUP	FCZI500EUP	FCZI550EUP	FCZI700EUP	FCZI750EUP	FCZI900EUP	FCZI950EUP
VMF-SW1	.	.	.	.	.	.	.	.	.	.	.	.

Accessory	FCZI201EUP	FCZI301EUP	FCZI401EUP	FCZI501EUP	FCZI701EUP	FCZI901EUP
VMF-E24I	.	.	.	.	.	.
VMF-E4DX	.	.	.	.	.	.
VMF-E4X	.	.	.	.	.	.
VMF-IR	.	.	.	.	.	.
VMF-SW	.	.	.	.	.	.
VMF-SW1	.	.	.	.	.	.

Water valves

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

Accessory	FCZI200EUP	FCZI250EUP	FCZI300EUP	FCZI350EUP	FCZI400EUP	FCZI450EUP	FCZI500EUP	FCZI550EUP	FCZI700EUP	FCZI750EUP	FCZI900EUP	FCZI950EUP
VCZ1X4L	.	.										
VCZ1X4R	.	.										
VCZ2X4L			.	.	.	.	.	.	.	.
VCZ2X4R			.	.	.	.	.	.	.	.
VCZ3X4L											.	.
VCZ3X4R											.	.

3 way valve kit

	200	201	202	250	300	301	302	350	400	401	402	450
Main coil	VCZ41 VCZ4124	VCZ41 VCZ4124	VCZ41 VCZ4124	VCZ41 VCZ4124	VCZ42 VCZ4224	VCZ42 VCZ4224	VCZ42 VCZ4224	VCZ42 VCZ4224	VCZ42 VCZ4224	VCZ42 VCZ4224	VCZ42 VCZ4224	VCZ42 VCZ4224
Secondary coil	-	VCF44 VCF4424	VCF44 VCF4424	-	-	VCF44 VCF4424	VCF44 VCF4424	-	-	VCF44 VCF4424	VCF44 VCF4424	-
Additional coil "BV"	VCF44 VCF4424	-	-	-	VCF44 VCF4424	-	-	-	VCF44 VCF4424	-	-	-

	500	501	502	550	700	701	702	750	900	901	950
Main coil	VCZ42 VCZ4224	VCZ42 VCZ4224	VCZ42 VCZ4224	VCZ42 VCZ4224	VCZ42 VCZ4224	VCZ42 VCZ4224	VCZ42 VCZ4224	VCZ42 VCZ4224	VCZ43 VCZ4324	VCZ43 VCZ4324	VCZ43 VCZ4324
Secondary coil	-	VCF44 VCF4424	VCF44 VCF4424	-	-	VCF44 VCF4424	VCF44 VCF4424	-	-	VCF45 VCF4524	-
Additional coil "BV"	VCF44 VCF4424	-	-	-	VCF44 VCF4424	-	-	-	VCF45 VCF4524	-	-

2 way valve kit

	200	201	202	250	300	301	302	350	400	401	402	450
Main coil	VCZD1 VCZD124	VCZD1 VCZD124	VCZD1 VCZD124	VCZD1 VCZD124	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224
Secondary coil	-	VCFD4 VCFD424	VCFD4 VCFD424	-	-	VCFD4 VCFD424	VCFD4 VCFD424	-	-	VCFD4 VCFD424	VCFD4 VCFD424	-
Additional coil "BV"	VCFD4 VCFD424	-	-	-	VCFD4 VCFD424	-	-	-	VCFD4 VCFD424	-	-	-

	500	501	502	550	700	701	702	750	900	901	950
Main coil	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD3 VCZD324	VCZD3 VCZD324	VCZD3 VCZD324
Secondary coil	-	VCFD4 VCFD424	VCFD4 VCFD424	-	-	VCFD4 VCFD424	VCFD4 VCFD424	-	-	VCFD4 VCFD424	-
Additional coil "BV"	VCFD4 VCFD424	-	-	-	VCFD4 VCFD424	-	-	-	VCFD4 VCFD424	-	-

Combined Adjustment and Balancing Valve Kit

Accessory	FCZI200EUP	FCZI250EUP	FCZI300EUP	FCZI350EUP	FCZI400EUP	FCZI450EUP	FCZI500EUP	FCZI550EUP	FCZI700EUP	FCZI750EUP	FCZI900EUP	FCZI950EUP
VJP060M	.	.	.	.				
VJP090M					.	.	.	.
VJP150M									.	.	.	.

Accessory	FCZI201EUP	FCZI301EUP	FCZI401EUP	FCZI501EUP	FCZI701EUP	FCZI901EUP
VJP060M	.	.	.	.	.	.
VJP090M						
VJP150M						

(Heating only) additional coil

Heating only additional coil

Accessory	FCZI200EUP	FCZI300EUP	FCZI400EUP	FCZI500EUP	FCZI700EUP	FCZI900EUP
BV122	.					
BV132		.				
BV142			.		.	

Accessory	FCZI200EUP	FCZI300EUP	FCZI400EUP	FCZI500EUP	FCZI700EUP	FCZI900EUP
BV162						.
BVZ800					.	

Installation accessories

Wall mounting kit

Accessory	FCZI200EUP	FCZI250EUP	FCZI300EUP	FCZI350EUP	FCZI400EUP	FCZI450EUP	FCZI500EUP	FCZI550EUP	FCZI700EUP	FCZI750EUP	FCZI900EUP	FCZI950EUP
AMP20				
AMPZ								

Accessory	FCZI201EUP	FCZI301EUP	FCZI401EUP	FCZI501EUP	FCZI701EUP	FCZI901EUP
AMP20		
AMPZ					.	.

Condensate drip

Accessory	FCZI200EUP	FCZI250EUP	FCZI300EUP	FCZI350EUP	FCZI400EUP	FCZI450EUP	FCZI500EUP	FCZI550EUP	FCZI700EUP	FCZI750EUP	FCZI900EUP	FCZI950EUP
BCZ4
BCZ5		
BCZ6											.	.

Accessory	FCZI201EUP	FCZI301EUP	FCZI401EUP	FCZI501EUP	FCZI701EUP	FCZI901EUP
BCZ4
BCZ5
BCZ6						.

Accessory	FCZI200EUP	FCZI250EUP	FCZI300EUP	FCZI350EUP	FCZI400EUP	FCZI450EUP	FCZI500EUP	FCZI550EUP	FCZI700EUP	FCZI750EUP	FCZI900EUP	FCZI950EUP
BC8
BC9											.	.

Accessory	FCZI201EUP	FCZI301EUP	FCZI401EUP	FCZI501EUP	FCZI701EUP	FCZI901EUP
BC8
BC9						.

Condensate recirculation device

Accessory	FCZI200EUP	FCZI250EUP	FCZI300EUP	FCZI350EUP	FCZI400EUP	FCZI450EUP	FCZI500EUP	FCZI550EUP	FCZI700EUP	FCZI750EUP	FCZI900EUP	FCZI950EUP
DSCZ4

Ventilcassaforma

Accessory	FCZI200EUP	FCZI250EUP	FCZI300EUP	FCZI350EUP	FCZI400EUP	FCZI450EUP	FCZI500EUP	FCZI550EUP	FCZI700EUP	FCZI750EUP	FCZI900EUP	FCZI950EUP
CHF22	.	.										
CHF32			.	.								
CHF42								
CHF62								

Accessory	FCZI201EUP	FCZI301EUP	FCZI401EUP	FCZI501EUP	FCZI701EUP	FCZI901EUP
CHF22	.					
CHF32		.				
CHF42		
CHF62					.	.

Wall mounting and duct type installation accessories

Lower intake grille

Accessory	FCZI200EUP	FCZI250EUP	FCZI300EUP	FCZI350EUP	FCZI400EUP	FCZI450EUP	FCZI500EUP	FCZI550EUP	FCZI700EUP	FCZI750EUP	FCZI900EUP	FCZI950EUP
GA22	.	.										
GA32			.	.								
GA42								
GA62								

Accessory	FCZI201EUP	FCZI301EUP	FCZI401EUP	FCZI501EUP	FCZI701EUP	FCZI901EUP
GA22	.					
GA32		.				
GA42		
GA62					.	.

Intake grilles with fixed fins and filter

Accessory	FCZI200EUP	FCZI250EUP	FCZI300EUP	FCZI350EUP	FCZI400EUP	FCZI450EUP	FCZI500EUP	FCZI550EUP	FCZI700EUP	FCZI750EUP	FCZI900EUP	FCZI950EUP
GAF22	.	.										
GAF32			.	.								
GAF42								
GAF62								

Accessory	FCZI201EUP	FCZI301EUP	FCZI401EUP	FCZI501EUP	FCZI701EUP	FCZI901EUP
GAF22	.					
GAF32		.				
GAF42			.	.		
GAF62					.	.

Delivery grilles with adjustable fins

Accessory	FCZI200EUP	FCZI250EUP	FCZI300EUP	FCZI350EUP	FCZI400EUP	FCZI450EUP	FCZI500EUP	FCZI550EUP	FCZI700EUP	FCZI750EUP	FCZI900EUP	FCZI950EUP
GM22	.	.										
GM32			.	.								
GM42								
GM62								

Accessory	FCZI201EUP	FCZI301EUP	FCZI401EUP	FCZI501EUP	FCZI701EUP	FCZI901EUP
GM22	.					
GM32		.				
GM42			.	.		
GM62					.	.

Intake plenum in sheet metal complete with connectors for circular channels

Accessory	FCZI200EUP	FCZI250EUP	FCZI300EUP	FCZI350EUP	FCZI400EUP	FCZI450EUP	FCZI500EUP	FCZI550EUP	FCZI700EUP	FCZI750EUP	FCZI900EUP	FCZI950EUP
PA22	.	.										
PA32			.	.								
PA42								
PA62								

Accessory	FCZI201EUP	FCZI301EUP	FCZI401EUP	FCZI501EUP	FCZI701EUP	FCZI901EUP
PA22	.					
PA32		.				
PA42			.	.		
PA62					.	.

Intake plenum providing recovery and delivery on the same side

Accessory	FCZI200EUP	FCZI300EUP	FCZI350EUP	FCZI400EUP	FCZI450EUP	FCZI500EUP	FCZI550EUP	FCZI700EUP	FCZI750EUP	FCZI900EUP	FCZI950EUP
PA22F	.										
PA32F		.	.								
PA42F							
PA62F							

Accessory	FCZI201EUP	FCZI301EUP	FCZI401EUP	FCZI501EUP	FCZI701EUP	FCZI901EUP
PA22F	.					
PA32F		.				
PA42F			.	.		
PA62F					.	.

Delivery plenum with circular flanges.

Accessory	FCZI200EUP	FCZI300EUP	FCZI350EUP	FCZI400EUP	FCZI450EUP	FCZI500EUP	FCZI550EUP	FCZI700EUP	FCZI750EUP	FCZI900EUP	FCZI950EUP
PM22	.										
PM32		.	.								
PM42							
PM62							

Accessory	FCZI201EUP	FCZI301EUP	FCZI401EUP	FCZI501EUP	FCZI701EUP	FCZI901EUP
PM22	.					
PM32		.				
PM42			.	.		
PM62					.	.

Straight delivery coupling

Accessory	FCZI200EUP	FCZI250EUP	FCZI300EUP	FCZI350EUP	FCZI400EUP	FCZI500EUP	FCZI550EUP	FCZI700EUP	FCZI750EUP	FCZI900EUP	FCZI950EUP
RD22	.	.									
RD32			.	.							
RD42					.	.	.				
RD62							

Accessory	FCZI201EUP	FCZI301EUP	FCZI401EUP	FCZI501EUP	FCZI701EUP	FCZI901EUP
RD22	.					
RD32		.				
RD42			.	.		
RD62					.	.

Straight suction coupling

Accessory	FCZI200EUP	FCZI250EUP	FCZI300EUP	FCZI350EUP	FCZI400EUP	FCZI450EUP	FCZI500EUP	FCZI550EUP	FCZI700EUP	FCZI750EUP	FCZI900EUP	FCZI950EUP
RDA22	.	.										
RDA32			.	.								

Accessory	FCZI200EUP	FCZI250EUP	FCZI300EUP	FCZI350EUP	FCZI400EUP	FCZI450EUP	FCZI500EUP	FCZI550EUP	FCZI700EUP	FCZI750EUP	FCZI900EUP	FCZI950EUP
RDA42								
RDA62								
Accessory	FCZI201EUP	FCZI301EUP	FCZI401EUP	FCZI501EUP	FCZI701EUP	FCZI901EUP						
RDA22	.											
RDA32		.										
RDA42				.		.						
RDA62							.				.	

90° delivery coupling.

Accessory	FCZI200EUP	FCZI250EUP	FCZI300EUP	FCZI350EUP	FCZI400EUP	FCZI450EUP	FCZI550EUP	FCZI700EUP	FCZI750EUP	FCZI900EUP	FCZI950EUP
RP22	.	.									
RP32			.								
RP42							
RP62							
Accessory	FCZI201EUP	FCZI301EUP	FCZI401EUP	FCZI501EUP	FCZI701EUP	FCZI901EUP					
RP22	.										
RP32		.									
RP42				.		.					
RP62							.			.	

90° suction coupling.

Accessory	FCZI200EUP	FCZI250EUP	FCZI300EUP	FCZI350EUP	FCZI400EUP	FCZI450EUP	FCZI500EUP	FCZI550EUP	FCZI700EUP	FCZI750EUP	FCZI900EUP	FCZI950EUP
RPA22	.	.										
RPA32			.	.								
RPA42								
RPA62								
Accessory	FCZI201EUP	FCZI301EUP	FCZI401EUP	FCZI501EUP	FCZI701EUP	FCZI901EUP						
RPA22	.											
RPA32		.										
RPA42				.		.						
RPA62							.			.		

PERFORMANCE SPECIFICATIONS

2-pipe

	FCZ1200EUP			FCZ1250EUP			FCZ1300EUP			FCZ1350EUP			FCZ1400EUP			FCZ1450EUP		
	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

Heating performance 158 °F / 140 °F (1)

Heating capacity	MBTU/h	6.9	10.1	12.6	7.5	10.9	13.8	11.8	15.2	18.8	12.9	16.8	21.0	14.7	19.6	24.4	15.6	21.5	26.7
Water flow rate system side	gpm	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	2,3	3,0
Pressure drop system side	ft H ₂ O	1,00	1,90	2,90	1,60	2,90	4,50	1,00	1,70	2,50	1,70	2,80	4,10	1,60	3,00	4,60	1,30	1,90	3,20

Heating performance 113 °F / 104 °F (2)

Heating capacity	MBTU/h	3.4	5.0	6.3	3.7	5.4	6.9	5.9	7.5	9.3	6.4	8.3	10.4	7.3	9.7	12.1	7.7	10.6	13.2
Water flow rate system side	gpm	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
Pressure drop system side	ft H ₂ O	0,90	1,70	2,50	1,20	2,20	3,20	1,20	1,70	2,50	1,20	2,00	2,90	1,30	2,30	3,30	0,90	1,60	2,30

Cooling performances 44.6 °F / 53.6 °F (3)

Cooling capacity	MBTU/h	3.0	4.4	5.5	3.6	5.3	6.6	5.7	7.4	9.0	6.4	8.4	10.3	7.5	10.0	12.3	8.2	11.0	13.8
Sensible cooling capacity	MBTU/h	2.4	3.6	4.5	2.7	4.1	5.2	4.3	5.6	7.0	4.5	6.0	7.4	5.4	7.3	9.1	5.8	7.8	9.9
Water flow rate system side	gpm	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
Pressure drop system side	ft H ₂ O	0,90	1,70	2,60	1,20	2,50	3,60	1,20	1,70	2,60	1,60	2,50	3,60	1,50	2,30	3,50	1,30	2,20	3,20

Fan

Type	type	Centrifugal																	
Fan motor	type	Inverter																	
Number	no.	1			1			2			2			2			2		
Air flow rate	cfm	82	129	171	82	129	171	153	206	265	153	206	265	194	271	353	194	271	353
Input power	W	7	8	14	7	8	14	5	7	13	5	7	13	5	10	18	5	10	18

Fan coil sound data (4)

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	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

Diameter hydraulic fittings

Main coil	∅	1/2"			1/2"			3/4"			3/4"			3/4"			3/4"		
-----------	---	------	--	--	------	--	--	------	--	--	------	--	--	------	--	--	------	--	--

Power supply

Power supply	110-240V~60Hz																	
--------------	---------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

	FCZ1500EUP			FCZ1550EUP			FCZ1700EUP			FCZ1750EUP			FCZ1900EUP			FCZ1950EUP		
	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

Heating performance 158 °F / 140 °F (1)

Heating capacity	MBTU/h	18.0	24.9	29.0	19.9	28.5	33.3	27.6	33.4	37.5	31.1	38.6	42.7	36.7	45.6	51.7	38.2	49.2	58.3
Water flow rate system side	gpm	2,0	2,8	3,2	2,2	3,2	3,7	3,1	3,7	4,2	3,4	4,3	4,7	4,2	5,2	5,8	4,3	5,7	6,6
Pressure drop system side	ft H ₂ O	6,10	6,10	6,10	2,00	3,60	4,80	3,00	4,40	5,40	1,60	2,30	2,90	1,60	2,30	3,00	2,20	3,30	4,60

Heating performance 113 °F / 104 °F (2)

Heating capacity	MBTU/h	8.9	12.4	14.4	9.9	14.1	16.5	13.8	16.6	18.7	15.4	19.2	21.9	18.3	22.7	25.7	19.0	24.5	29.0
Water flow rate system side	gpm	2,0	2,8	3,2	2,2	3,2	3,7	3,1	3,7	4,2	3,5	4,3	4,8	4,1	5,1	5,8	4,3	5,5	6,5
Pressure drop system side	ft H ₂ O	1,70	3,00	4,10	1,50	2,80	3,60	2,30	3,30	4,20	1,50	2,00	2,50	1,70	2,50	3,00	2,20	3,50	4,80

Cooling performances 44.6 °F / 53.6 °F (3)

Cooling capacity	MBTU/h	9.1	12.6	14.5	9.9	14.1	16.3	13.4	16.7	18.8	14.6	18.2	21.0	14.6	17.1	23.6	19.7	25.0	29.3
Sensible cooling capacity	MBTU/h	6.6	9.3	10.9	7.1	10.2	11.9	10.2	12.8	14.7	10.9	13.8	16.1	10.1	12.9	19.4	13.0	16.6	19.7
Water flow rate system side	gpm	2,0	2,8	3,2	2,2	3,1	3,6	3,0	3,7	4,2	3,2	4,0	4,6	3,2	3,8	5,2	4,4	5,5	6,5
Pressure drop system side	ft H ₂ O	1,90	3,20	4,20	1,60	3,00	4,10	2,30	3,50	4,40	1,50	2,00	2,60	1,30	1,70	3,20	2,20	3,20	4,40

Fan

Type	type	Centrifugal																	
Fan motor	type	Inverter																	
Number	no.	2			2			3			3			3			3		
Air flow rate	cfm	235	353	424	235	353	424	412	547	671	412	547	671	412	547	671	412	547	671
Input power	W	7	18	31	7	18	31	30	40	80	30	40	80	30	40	80	30	40	80

Fan coil sound data (4)

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	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

Diameter hydraulic fittings

Main coil	∅	3/4"																	
-----------	---	------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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

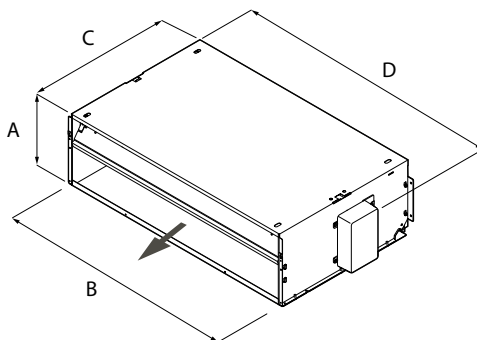
	FCZI201EUP			FCZI301EUP			FCZI401EUP			FCZI501EUP			FCZI701EUP			FCZI901EUP			
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	
	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	
Heating performance 149 °F / 131 °F (1)																			
Heating capacity	MBTU/h	3.5	4.6	5.5	6.1	7.4	8.7	7.5	9.0	10.6	8.8	11.4	12.7	12.5	14.6	16.9	16.1	19.2	19.5
Water flow rate system side	gpm	0,4	0,5	0,6	0,7	0,8	1,0	0,8	1,0	1,2	1,0	1,3	1,4	1,4	1,7	1,9	1,8	2,2	2,2
Pressure drop system side	ft H ₂ O	1,50	2,49	3,39	4,75	6,73	8,91	1,42	2,10	2,83	1,76	2,78	3,39	3,63	4,83	6,23	2,86	3,90	4,02
Cooling performances 44.6 °F / 53.6 °F (2)																			
Cooling capacity	MBTU/h	3.0	4.4	5.5	5.7	7.4	9.0	7.5	10.0	12.3	9.1	12.6	14.5	13.4	16.7	18.8	14.6	17.1	23.6
Sensible cooling capacity	MBTU/h	2.4	3.6	4.5	4.3	5.6	7.0	5.4	7.3	9.1	6.6	9.3	10.9	10.2	12.8	14.7	10.1	12.9	19.4
Water flow rate system side	gpm	0,7	1,0	1,2	1,3	1,6	2,0	1,7	2,2	2,7	2,0	2,8	3,2	3,0	3,7	4,2	3,2	3,8	5,2
Pressure drop system side	ft H ₂ O	0,90	1,70	2,60	1,20	1,70	2,60	1,50	2,30	3,50	1,90	3,20	4,20	2,30	3,50	4,40	1,30	1,70	3,20
Fan																			
Type	type	Centrifugal																	
Fan motor	type	-																	
Number	no.	1			2			2			2			3			3		
Air flow rate	cfm	82	129	171	153	206	265	194	271	353	235	353	424	412	547	671	412	547	671
Input power	W	7	8	14	5	7	13	5	10	18	7	18	31	30	40	80	30	40	80
Diameter hydraulic fittings																			
Type	type	-																	
Main coil	∅	1/2"																	
Secondary coil	∅	1/2"			3/4"			3/4"			3/4"			3/4"			3/4"		
Fan coil sound data (3)																			
Sound power level	dB(A)	35,0	46,0	51,0	34,0	41,0	48,0	37,0	44,0	51,0	42,0	51,0	56,0	50,0	57,0	62,0	51,0	57,0	62,0
Sound pressure	dB(A)	27,0	38,0	43,0	26,0	33,0	40,0	29,0	36,0	43,0	34,0	43,0	48,0	42,0	49,0	54,0	43,0	49,0	54,0
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



		FCZI200EUP	FCZI250EUP	FCZI300EUP	FCZI350EUP	FCZI400EUP	FCZI450EUP	
Dimensions and weights								
A	in	9	9	9	9	9	9	
B	in	21	21	30	30	38	38	
C	in	18	18	18	18	18	18	
D	in	22,0	22,0	31,0	31,0	40,0	40,0	
		FCZI500EUP	FCZI550EUP	FCZI700EUP	FCZI750EUP	FCZI900EUP	FCZI950EUP	
Dimensions and weights								
A	in	9	9	9	9	9	9	
B	in	38	38	44	44	44	44	
C	in	18	18	18	18	22	22	
D	in	40,0	40,0	45,0	45,0	45,0	45,0	
		FCZI201EUP	FCZI301EUP	FCZI401EUP	FCZI501EUP	FCZI701EUP	FCZI901EUP	
Dimensions and weights								
A	in	9						
B	in	21	30			38		44
C	in	18			22			
D	in	22,0	31,0	40,0	40,0	45,0	45,0	

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.

Aermec S.p.A.

Via Roma, 996 - 37040 Bevilacqua (VR) - Italia
Tel. 0442633111 - Telefax 044293577
www.aermec.com