

# 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.

**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.**

*For data with high static pressure, refer to the selection program.*

#### Heat exchanger coil

With copper pipes and aluminium louvers, the standard or oversized heat exchanger and the possible secondary heat exchanger 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.

The unit is supplied with nipple adapters with male gas type thread on the exchanger side and NPT female type on the system side.

**Reversibility of hydraulic connections when ordering.**

#### Condensate drip

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

#### Air filter

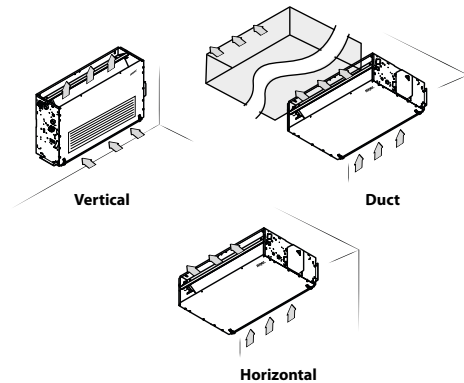
Air filter easily removed and cleaned.

### VERSIONS

**EUP** Concealed ceiling or duct installation with or without static pressure

**EUPAF** Recessed wall installation, with frontal return air

### 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.**

### OPTIONS

Without options

**W** Electric connection and water connection on the same side

**TL** Electronic control board for 120V power supply

**TH** Electronic control board for 240V power supply

### TYPES OF INSTALLATION

HORIZONTAL INSTALLATION	VERTICAL INSTALLATION
EUP	EUPAF
EUPTH	EUPAFTH
EUPTL	EUPAFTL
EUPW	

## CONFIGURATOR

Field	Description
1,2,3,4	<b>FCZI</b>
5	<b>Size</b> 2, 3, 4, 5, 6, 7, 8, 9
6	<b>main heat exchanger</b>
0	Standard 3-row
5	Oversized 4-row (1)
7	<b>Secondary heat exchanger</b>
0	Absent
1	Standard 1-row (only heating) (2)
8,9,10	<b>Version</b>
EUP	Concealed ceiling or duct installation with or without static pressure
EUPAF	Recessed wall installation, with frontal return air (3)
11	<b>Options</b>
.	Without options
TH	Electronic control board for 240V power supply (not compatible with "W" version).
TL	Electronic control board for 120V power supply (not compatible with "W" version). Horizontal installation only.
W	Electric connection and water connection on the same side (4)

(1) Units with an oversize main exchanger cannot be configured with the standard secondary exchanger.  
 (2) 1-row secondary coil is available with the standard 3-row main coil only

(3) Horizontal mounting not possible for safety issue regarding the electrical motor.  
 (4) The W option is not available with the TL, TH options and with the EUPAF version

## ACCESSORIES

### Control panels

**TX24:** Wall-mounting thermostat for controlling 2/4 tube fan coils with brushless motors.

### Water valves

**VCZ4124:** 3-way motorised valve kit for the main coil. The kit is made up of a valve with its insulating shell, actuator and relative hydraulic fittings. It can be installed on fan coils with both right and left connections. If the valve is combined with the BCZ5 or BCZ6 condensate drain pan, to ensure a better housing it is possible to remove the insulating shell.

**VCZ4224:** 3-way motorised valve kit for the main coil. The kit is made up of a valve with its insulating shell, actuator and relative hydraulic fittings. It can be installed on fan coils with both right and left connections. If the valve is combined with the BCZ5 or BCZ6 condensate drain pan, to ensure a better housing it is possible to remove the insulating shell.

**VCZ4324:** 3-way motorised valve kit for the main coil. The kit is made up of a valve with its insulating shell, actuator and relative hydraulic fittings. It can be installed on fan coils with both right and left connections. If the valve is combined with the BCZ5 or BCZ6 condensate drain pan, to ensure a better housing it is possible to remove the insulating shell.

**VCZD124:** 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.

**VCZD224:** 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.

**VCZD324:** 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.

**VCF4424:** The 3-way motorised valve kit for the secondary coil heat only. 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.

**VCF4524:** The 3-way motorised valve kit for the secondary coil heat only. 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.

**VCFD124:** Motorized 2-way valve kit without insulating shell, can be installed on the main or secondary battery or a battery that is only warm. The kit is made up of a valve, actuator and relative hydraulic fittings. It can be installed on fan coils with connections on the right and on the left.

**VCFD224:** Motorized 2-way valve kit without insulating shell, can be installed on the main or secondary battery or a battery that is only warm. The kit is made up of a valve, actuator and relative hydraulic fittings. It can be installed on fan coils with connections on the right and on the left.

**VCFD324:** Motorized 2-way valve kit without insulating shell, can be installed on the main or secondary battery or a battery that is only warm. The kit is made up of a valve, actuator and relative hydraulic fittings. It can be installed on fan coils with connections on the right and on the left.

**VCFD424:** Motorized 2-way valve kit without insulating shell, can be installed on the main or secondary battery or a battery that is only warm. The kit is made up of a valve, actuator and relative hydraulic fittings. It can be installed on fan coils with connections on the right and on the left.

**The actuator is 24 Volt for all valves.**

### Installation accessories

**BC:** Condensate drip.

**BCZ:** Condensate drip. If the valve is paired with the BCZ5 or BCZ6 condensate drip tray, the insulating shell can be removed to ensure better housing.

**RD:** Straight delivery coupling for canalisation.

**RDA:** Straight suction coupling for canalisation.

**RPA:** 90° suction coupling.

**FIKIT200:** Structural bracket in floor installation.

**FIKIT300:** Structural bracket in floor installation.

**FIKIT500:** Structural bracket in floor installation.

**FIKIT800:** Structural bracket in floor installation.

## ACCESSORY COMPATIBILITY (WITH EUP AND EUPAF VERSIONS AND/OR TH AND TL OPTIONS)

### Control panels

Accessory	FCZI200EUP	FCZI250EUP	FCZI300EUP	FCZI350EUP	FCZI400EUP	FCZI450EUP	FCZI500EUP	FCZI550EUP	FCZI700EUP	FCZI750EUP	FCZI900EUP	FCZI950EUP
TX24	.	.	.	.	.	.	.	.	.	.	.	.
Accessory	FCZI201EUP	FCZI301EUP	FCZI401EUP	FCZI501EUP	FCZI701EUP	FCZI901EUP						
TX24	.	.	.	.	.	.						

### Water valves

#### 3 way valve kit

	FCZI200EUP	FCZI201EUP	FCZI250EUP	FCZI300EUP	FCZI301EUP	FCZI350EUP
<b>3 way valve kit</b>						
Main heat exchanger	VCZ4124	VCZ4124	VCZ4124	VCZ4224	VCZ4224	VCZ4224
Secondary heat exchanger for four pipes	-	VCF4424	-	-	VCF4424	-

	FCZI400EUP	FCZI401EUP	FCZI450EUP	FCZI500EUP	FCZI501EUP	FCZI550EUP
<b>3 way valve kit</b>						
Main heat exchanger	VCZ4224	VCZ4224	VCZ4224	VCZ4224	VCZ4224	VCZ4224
Secondary heat exchanger for four pipes	-	VCF4424	-	-	VCF4424	-

	FCZI700EUP	FCZI701EUP	FCZI750EUP	FCZI900EUP	FCZI901EUP	FCZI950EUP
<b>3 way valve kit</b>						
Main heat exchanger	VCZ4224	VCZ4224	VCZ4224	VCZ4324	VCZ4324	VCZ4324
Secondary heat exchanger for four pipes	-	VCF4424	-	-	VCF4524	-

VCF4124 - 4224 - 4324; VCF4424 - 4524 (24V)

### 2 way valve kit

	FCZI200EUP	FCZI201EUP	FCZI250EUP	FCZI300EUP	FCZI301EUP	FCZI350EUP
<b>2 way valve kit</b>						
Main heat exchanger	VCZD124	VCZD124	VCZD124	VCZD224	VCZD224	VCZD224
Secondary heat exchanger for four pipes	-	VCFD424	-	-	VCFD424	-

	FCZI400EUP	FCZI401EUP	FCZI450EUP	FCZI500EUP	FCZI501EUP	FCZI550EUP
<b>2 way valve kit</b>						
Main heat exchanger	VCZD224	VCZD224	VCZD224	VCZD224	VCZD224	VCZD224
Secondary heat exchanger for four pipes	-	VCFD424	-	-	VCFD424	-

	FCZI700EUP	FCZI701EUP	FCZI750EUP	FCZI900EUP	FCZI901EUP	FCZI950EUP
<b>2 way valve kit</b>						
Main heat exchanger	VCZD224	VCZD224	VCZD224	VCZD324	VCZD324	VCZD324
Secondary heat exchanger for four pipes	-	VCFD424	-	-	VCFD424	-

VCZD124 - 224 - 324; VCFD424 (24V)

## Installation accessories

### 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						*

### FIKIT

Accessory	FCZI200EUP	FCZI250EUP	FCZI300EUP	FCZI350EUP	FCZI400EUP	FCZI450EUP	FCZI500EUP	FCZI550EUP	FCZI700EUP	FCZI750EUP	FCZI900EUP	FCZI950EUP
FIKIT200	*	*										
FIKIT300			*	*								
FIKIT500					*	*	*	*				
FIKIT800									*	*	*	*

Accessory	FCZI201EUP	FCZI301EUP	FCZI401EUP	FCZI501EUP	FCZI701EUP	FCZI901EUP
FIKIT200	*					
FIKIT300		*				
FIKIT500			*	*	*	*
FIKIT800					*	*

## Wall mounting and duct type installation accessories

### 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						.

**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			.	.								
RDA42					.	.	.	.				
RDA62									.	.	.	.

Accessory	FCZI201EUP	FCZI301EUP	FCZI401EUP	FCZI501EUP	FCZI701EUP	FCZI901EUP
RDA22	.					
RDA32		.				
RDA42			.	.	.	
RDA62					.	.

**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					.	.

**ACCESSORY COMPATIBILITY (WITH EUP VERSION AND W OPTION)**

**Wall mounting and duct type installation accessories**

**Straight delivery coupling**

Accessory	FCZI200EUPW	FCZI250EUPW	FCZI300EUPW	FCZI350EUPW	FCZI400EUPW	FCZI450EUPW	FCZI500EUPW	FCZI550EUPW	FCZI700EUPW	FCZI750EUPW	FCZI900EUPW	FCZI950EUPW
RD22	.	.										
RD32			.	.								
RD42					.	.	.	.				
RD62									.	.	.	.

Accessory	FCZI201EUPW	FCZI301EUPW	FCZI401EUPW	FCZI501EUPW	FCZI701EUPW	FCZI901EUPW
RD22	.					
RD32		.				
RD42			.	.	.	
RD62					.	.

**Straight suction coupling**

Accessory	FCZI200EUPW	FCZI250EUPW	FCZI300EUPW	FCZI350EUPW	FCZI400EUPW	FCZI450EUPW	FCZI500EUPW	FCZI550EUPW	FCZI700EUPW	FCZI750EUPW	FCZI900EUPW	FCZI950EUPW
RDA22	.	.										
RDA32			.	.								
RDA42					.	.	.	.				
RDA62									.	.	.	.

Accessory	FCZI201EUPW	FCZI301EUPW	FCZI401EUPW	FCZI501EUPW	FCZI701EUPW	FCZI901EUPW
RDA22	.					
RDA32		.				
RDA42			.	.	.	
RDA62					.	.

**90° suction coupling.**

<b>Accessory</b>	FCZI200EUPW	FCZI250EUPW	FCZI300EUPW	FCZI350EUPW	FCZI400EUPW	FCZI450EUPW	FCZI500EUPW	FCZI550EUPW	FCZI700EUPW	FCZI750EUPW	FCZI900EUPW	FCZI950EUPW
RPA22	.	.										
RPA32			.	.								
RPA42					.	.	.	.				
RPA62									.	.	.	.

<b>Accessory</b>	FCZI201EUPW	FCZI301EUPW	FCZI401EUPW	FCZI501EUPW	FCZI701EUPW	FCZI901EUPW
RPA22	.					
RPA32		.				
RPA42			.	.		
RPA62					.	.

**PERFORMANCE SPECIFICATIONS (VALID FOR ALL VERSIONS AND OPTIONS)**

**2-pipe**

	FCZI200EUP			FCZI250EUP			FCZI300EUP			FCZI350EUP			FCZI400EUP			FCZI450EUP		
	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	MBH	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	1.6	1.3	1.7	2.1	1.5	1.9	2.4	1.7	2.2	2.8	1.8	2.4	3.0
Pressure drop system side	ft H <sub>2</sub> O	2.01	4.01	6.02	2.34	5.02	7.69	2.34	4.01	6.02	2.68	4.68	6.69	3.01	5.35	8.03	2.01	3.68	5.35

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

Heating capacity	MBH	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 <sub>2</sub> O	2.01	4.01	6.02	2.68	5.02	7.36	2.68	4.01	6.02	3.01	4.68	7.03	3.35	5.35	8.03	2.01	3.68	5.35

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

Cooling capacity	MBH	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	MBH	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 <sub>2</sub> O	2.01	4.01	6.02	2.68	5.69	8.36	2.68	4.35	6.02	3.68	6.02	8.36	3.35	5.69	8.03	3.01	5.02	7.36

**Fan**

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	cfm	82	129	171	82	129	171	153	206	265	153	206	265	194	271	353	194	271	353
Fan 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 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
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

**Diameter hydraulic fittings**

Type	type	Gas F	Gas F	Gas F	Gas F	Gas F	Gas F
Main heat exchanger	Ø	1/2"	1/2"	3/4"	3/4"	3/4"	3/4"

**Power supply**

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

	FCZI500EUP			FCZI550EUP			FCZI700EUP			FCZI750EUP			FCZI900EUP			FCZI950EUP		
	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	MBH	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	3.3	2.2	3.2	3.8	3.1	3.8	4.2	3.4	4.4	4.8	4.2	5.2	5.8	4.3	5.6	6.6
Pressure drop system side	ft H <sub>2</sub> O	4.01	7.03	9.37	3.35	6.69	8.70	5.69	7.69	9.70	3.60	5.02	6.02	4.01	5.69	7.36	5.35	8.36	11.04

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

Heating capacity	MBH	8.9	12.4	14.4	9.9	14.1	16.5	13.8	16.6	18.7	15.4	19.1	21.2	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 <sub>2</sub> O	4.01	7.03	9.37	3.35	6.69	8.70	5.69	8.03	9.70	3.35	5.02	6.02	4.01	5.69	7.36	5.02	8.03	11.04

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

Cooling capacity	MBH	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	MBH	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 <sub>2</sub> O	4.35	7.69	9.70	4.01	7.36	9.37	5.69	8.36	10.04	3.35	5.02	6.36	3.35	4.35	7.36	5.02	7.69	10.04

**Fan**

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	cfm	235	353	424	235	353	424	412	547	671	412	547	671	412	547	671	412	547	671
Fan 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 pressure level	dB(A)	48.0	48.0	48.0	34.0	43.0	48.0	54.0	54.0	54.0	42.0	49.0	54.0	54.0	54.0	54.0	43.0	49.0	54.0
Sound power level	dB(A)	48.0	48.0	48.0	42.0	51.0	56.0	54.0	54.0	54.0	50.0	57.0	62.0	54.0	54.0	54.0	51.0	57.0	62.0

**Diameter hydraulic fittings**

Type	type	Gas F	Gas F	Gas F	Gas F	Gas F	Gas F
------	------	-------	-------	-------	-------	-------	-------

	FCZI500EUP	FCZI550EUP	FCZI700EUP	FCZI750EUP	FCZI900EUP	FCZI950EUP
Main heat exchanger	Ø	3/4"	3/4"	3/4"	3/4"	3/4"
<b>Power supply</b>						
Power supply	110-240V~60Hz	110-240V~60Hz	110-240V~60Hz	110-240V~60Hz	110-240V~60Hz	110-240V~60Hz

- (1) Room air temperature 68 °F d.b.; Water (in/out) 158 °F/140 °F  
(2) Room air temperature 68 °F d.b.; Water (in/out) 113 °F/104 °F  
(3) Room air temperature 80.6 °F d.b./66.2 °F w.b.; 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.

**The unit is supplied with nipples for hydraulic connections.**

**The TL option only has 120V power supply.**

**The TH option only has 240V power supply.**

#### 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	MBH	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 <sub>2</sub> O	1.67	2.68	3.68	5.69	7.69	10.37	1.67	2.34	3.01	2.01	3.01	3.68	3.68	5.02	6.36	3.01	4.01	4.01

#### Cooling performances 44.6 °F / 53.6 °F (2)

Cooling capacity	MBH	3.0	4.4	5.5	5.7	7.4	9	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	MBH	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 <sub>2</sub> O	2.34	4.35	6.02	2.68	4.35	6.02	4.68	8.03	11.37	4.35	7.69	9.70	5.69	8.36	10.04	3.35	4.01	7.36

#### Fan

Type	type	Centrifugal			Centrifugal			Centrifugal			Centrifugal			Centrifugal					
Fan motor	type	Inverter			Inverter			Inverter			Inverter			Inverter					
Number	no.	1			2			2			2			3					
Air flow rate	cfm	82	129	171	153	206	265	194	271	353	235	353	424	412	547	671	412	547	671
Fan input power	W	7	8	14	5	7	13	5	10	18	7	18	31	30	40	80	30	40	80

#### Fan coil sound data (3)

Sound pressure level	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
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

#### Diameter hydraulic fittings

Type	type	Gas F			Gas F			Gas F			Gas F			Gas F		
Main heat exchanger	Ø	1/2"			3/4"			3/4"			3/4"			3/4"		
Secondary heat exchanger	Ø	1/2"			1/2"			1/2"			1/2"			1/2"		

#### Power supply

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

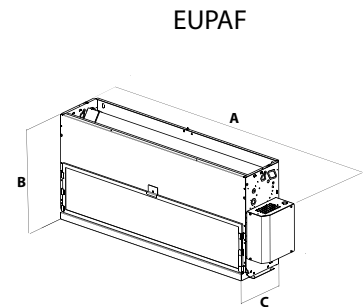
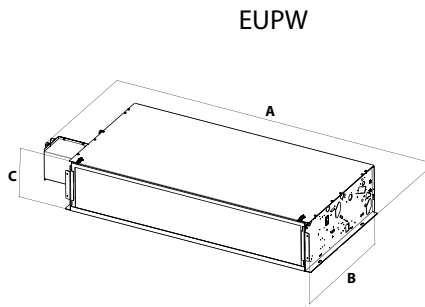
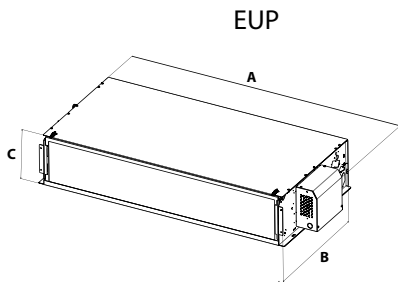
- (1) Room air temperature 68 °F d.b.; Water (in/out) 149 °F/131 °F  
(2) Room air temperature 80.6 °F d.b./66.2 °F w.b.; Water (in/out) 44.6 °F/53.6 °F  
(3) Aermec determines the sound power value on the basis of measurements taken in accordance with standard UNI EN 16583.

**The unit is supplied with nipples for hydraulic connections.**

**The TH option only has 240V power supply.**

**The TL option only has 120V power supply.**

## DIMENSIONS - 2 PIPE



		FCZI200EUP	FCZI200EUPW	FCZI200EUPAF
<b>Dimensions and weights</b>				
A	in	24.0	28.0	24.0
B	in	17.8	17.8	17.8
C	in	8.5	8.5	8.7
Empty weight	lbs	31	35	31

		FCZI250EUP	FCZI250EUPW	FCZI250EUPAF
<b>Dimensions and weights</b>				
A	in	24.0	28.0	24.0
B	in	17.8	17.8	17.8
C	in	8.5	8.5	8.7
Empty weight	lbs	33	37	33

		FCZI300EUP	FCZI300EUPW	FCZI300EUPAF
<b>Dimensions and weights</b>				
A	in	33.1	37.0	33.1
B	in	17.8	17.8	17.8
C	in	8.5	8.5	8.7
Empty weight	lbs	37	42	37

		FCZI350EUP	FCZI350EUPW	FCZI350EUPAF
<b>Dimensions and weights</b>				
A	in	33.1	37.0	33.1
B	in	17.8	17.8	17.8
C	in	8.5	8.5	8.7
Empty weight	lbs	40	44	40

		FCZI400EUP	FCZI400EUPW	FCZI400EUPAF
<b>Dimensions and weights</b>				
A	in	41.7	45.7	41.7
B	in	17.8	17.8	17.8
C	in	8.5	8.5	8.7
Empty weight	lbs	49	53	49

		FCZI450EUP	FCZI450EUPW	FCZI450EUPAF
<b>Dimensions and weights</b>				
A	in	41.7	45.7	41.7
B	in	17.8	17.8	17.8
C	in	8.5	8.5	8.7
Empty weight	lbs	53	55	53

		FCZI500EUP	FCZI500EUPW	FCZI500EUPAF
<b>Dimensions and weights</b>				
A	in	41.7	45.7	41.7
B	in	17.8	17.8	17.8
C	in	8.5	8.5	8.7
Empty weight	lbs	49	53	49

		FCZI550EUP	FCZI550EUPW	FCZI550EUPAF
<b>Dimensions and weights</b>				
A	in	41.7	45.7	41.7
B	in	17.8	17.8	17.8
C	in	8.5	8.5	8.7
Empty weight	lbs	53	55	53

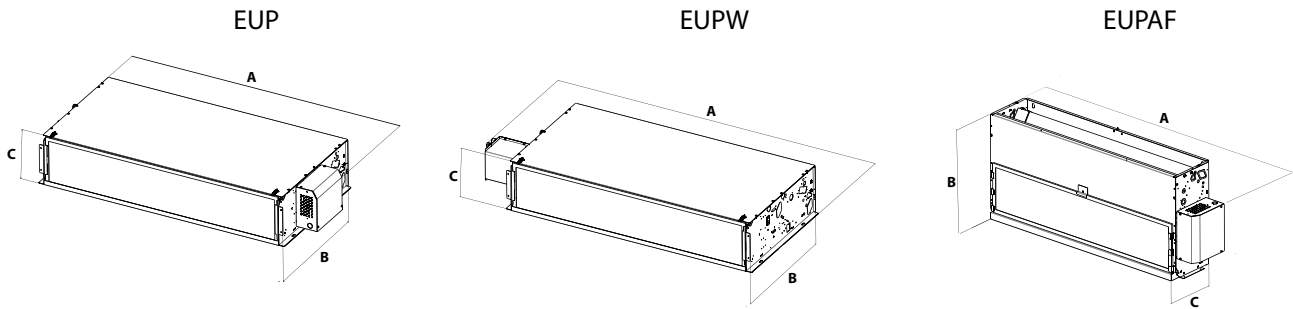
		FCZI700EUP	FCZI700EUPW	FCZI700EUPAF
<b>Dimensions and weights</b>				
A	in	47.6	51.6	47.6
B	in	17.8	17.8	17.8
C	in	8.5	8.5	8.7
Empty weight	lbs	62	66	62

		FCZI750EUP	FCZI750EUPW	FCZI750EUPAF
<b>Dimensions and weights</b>				
A	in	47.6	51.6	47.6
B	in	17.8	17.8	17.8
C	in	8.5	8.5	8.7
Empty weight	lbs	66	68	66

		FCZI900EUP	FCZI900EUPW	FCZI900EUPAF
<b>Dimensions and weights</b>				
A	in	47.1	51.0	47.1
B	in	22.0	22.0	22.0
C	in	8.5	8.5	8.7
Empty weight	lbs	73	77	73

		FCZI950EUP	FCZI950EUPW	FCZI950EUPAF
<b>Dimensions and weights</b>				
A	in	47.1	51.0	47.1
B	in	22.0	22.0	22.0
C	in	8.5	8.5	8.7
Empty weight	lbs	77	82	77

## DIMENSIONS - 4 PIPE



		FCZI201EUP	FCZI201EUPW	FCZI201EUPAF
<b>Dimensions and weights</b>				
A	in	24.0	28.0	24.0
B	in	17.8	17.8	17.8
C	in	8.5	8.5	8.7
Empty weight	lbs	33	37	33
<b>FCZI301EUP</b>				
<b>Dimensions and weights</b>				
A	in	33.1	37.0	33.1
B	in	17.8	17.8	17.8
C	in	8.5	8.5	8.7
Empty weight	lbs	40	44	40
<b>FCZI401EUP</b>				
<b>Dimensions and weights</b>				
A	in	41.7	45.7	41.7
B	in	17.8	17.8	17.8
C	in	8.5	8.5	8.7
Empty weight	lbs	53	55	53
<b>FCZI501EUP</b>				
<b>Dimensions and weights</b>				
A	in	41.7	45.7	41.7
B	in	17.8	17.8	17.8
C	in	8.5	8.5	8.7
Empty weight	lbs	53	55	53
<b>FCZI701EUP</b>				
<b>Dimensions and weights</b>				
A	in	47.6	51.6	47.6
B	in	17.8	17.8	17.8
C	in	8.5	8.5	8.7
Empty weight	lbs	66	68	66
<b>FCZI901EUP</b>				
<b>Dimensions and weights</b>				
A	in	47.1	51.0	47.1
B	in	22.0	22.0	22.0
C	in	8.5	8.5	8.7
Empty weight	lbs	77	82	77

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



A series of horizontal dotted lines spanning the width of the page, providing a guide for handwriting practice.



A series of horizontal dotted lines spanning the width of the page, providing a guide for handwriting practice.



A series of horizontal dotted lines spanning the width of the page, providing a guide for handwriting practice.