





















# **FCZ**



- Very quiet
- Touch controller mounted on-board. allows remote control with smart devices

# Fan coil for universal and floor installation

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





# **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. Depending on the version, the distribution grille may be adjustable.

# **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 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 class Coarse 25% for all versions easy to pull out and clean.

#### In the APC version, air purification is guaranteed by the Cold Plasma purifier.

The purifier is able to reduce pollutants, decomposing their molecules using electrical charges, causing the water molecules in the air to split into positive and negative ions. These ions neutralise the molecules in the gaseous pollutants, obtaining products normally present in clean air. The device is able to eliminate 90% of the bacteria. The result is clean, ionized air, free of foul odours.

#### **VERSIONS**

A High, with fixed air distribution grille and built-in command

**ACT** High, with air distribution grille and electronic thermostat

**AF** High, without built-in command but with front intake

APC High, with air distribution grille, electronic thermostat and Cold Plasma purifier

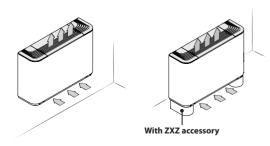
AS High, with air distribution grille and built-in command

**U** Universal, with adjustable air distribution grille but without built-in thermostat

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

**UF** Universal, with adjustable air distribution grille but without built-in thermostat and with front intake grille

# Versions with fixed grille (high cabinet)



FCZ\_A

— With built-in selector.

#### FCZ AS

- Compatibility with VMF system.
- Without installed switch

#### FCZ\_ACT

— With electronic thermostat for 2-pipe systems only.

#### FCZ APC

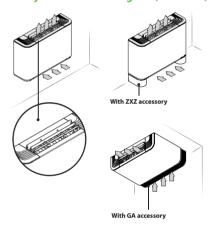
- With electronic thermostat for 2-pipe systems only.
- Cold Plasma purifier



#### FCZ AF

- Without installed switch
- Compatibility with VMF system.
- Front intake grille.

#### Versions with adjustable and fixed grille (universal)



#### FCZ\_U

- Compatibility with VMF system.
- Without installed switch
- Distribution grille with adjustable fins. Sizes 1, 2 and 3 have a single grille, whereas sizes 4, 5, 6, 7, 8, 9 and 10 have three grilles fully independent of each other. When all the fins have closed, the unit switches off.
- Vertical and horizontal installation for 2-pipe and 4-pipe systems.



# FCZ\_UF

- Compatibility with VMF system.
- Without installed switch
- Air delivery grille with adjustable fins.
- Front intake grille.

#### FCZ\_UA

- Compatibility with VMF system.
- Without installed switch

- Air distribution grille with fixed fins.
- Vertical and horizontal installation for 2-pipe and 4-pipe systems.

#### ThermApp

In units with a **T-Touch-I** electronic thermostat and the **ThermApp** application, the operating mode can be set and the weekly timer programmed by simply resting the smart device on the fan coil. The graphic interface of the app also gives access to a lot more information such as the alarm list, the closest SAT, etc.

# Available for Android operating systems.



#### **GUIDE TO SELECTING THE POSSIBLE CONFIGURATIONS**

Fie	ld	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
	2	Oversized
7		Version
		Only vertical installation.
	Α	High, with fixed air distribution grille and built-in command
	ACT	High, with air distribution grille and electronic thermostat
	AF	High, without built-in command but with front intake
	APC	High, with air distribution grille, electronic thermostat and Cold Plasma purifier
	AS	Free standing without installed switch
		Vertical and horizontal installation.
	U	Universal, with adjustable air distribution grille but without built-in thermostat
	UA	Universal, with fixed air distribution grille but without built-in thermostat
	UF	Universal, with adjustable air distribution grille but without built-in thermostat and with front intake grille

#### SIZE AVAILABLE FOR VERSION

Size		100	101	102	150	200	201	202	250	300	301	302	350	400	401	402	450	500	501	502	550
Versions produced	(by size)																				
V!	A,AS,U,UA		•	•		•	•	•	•	•	•		•		•		•	•		•	
Versions available	ACT,APC		-	-	•	•	-	-		•	-	-	•	•	-	-	•	•	-	-	•
(by size)	AF,UF	•	-	-	•	•	-	-	•	•	-	-	•	•	-	-	•	٠	-	-	•
Size		600	601	602	650	700	701	702	750	800	801	802	850	900	901	950	1000	1001			
Versions produced	(by size)																				
V!!!	A,AS,U,UA		•	•	•				•	•	•		•	•	•	•	•				
Versions available	ACT,APC		-	-	•	•	-	-	•	•	-	-	•	•	-	•	•	-			
(by size)	AF,UF	-	-	-	-	-	-	-	-	-	-	-	-	•	-	•		-			

#### **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.

PX2Z: On-board electromechanical switch.

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

**SIT3:** Thermostat Interface Card allowing the creation of a network of fan coils (max. 10) commanded by a central control panel (selector or thermostat). Commands the 3 fan speeds and must be installed on each fan coil within the network; receives the commands from the selector or the SIT5 card.

**SIT5:** Thermostat Interface Card allowing the creation of a network of fan coils (max. 10) commanded by a central control panel. Commands the 3 fan speeds and up to 2 valves (four pipe systems); sends the thermostat's commands to the fan coil network.

**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.

**T-TOUCH:** Touch control on board the machine, for controlling fan coils with asynchronous motors. In 2-pipe systems, it can control standard fan coils or those equipped with an electric heater, with air purifying devices or with FCZ-D twin delivery (Dualjet). In 4-pipe systems, only standard fan coils. The ThermApp application is also available for remote control with smart devices with the Android operating system.

**TX:** Wall-mounting thermostat for controlling either brushless fan coils or those with asynchronous motors. 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). **TXB:** Wall-mounting thermostat for controlling either brushless fan

**TXB:** Wall-mounting thermostat for controlling either brushless fan coils or those with asynchronous motors. 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).

**WMT05:** Electronic thermostat with thermostated ventilation.

**WMT06:** Electronic thermostat with continuous ventilation.

**WMT10:** Electronic thermostat, white, with thermostated or continuous ventilation.

#### **VMF** system

**SIT32:** Interface card that permits connecting the VMF-E19 thermostats to a fan coil with a high power motor.

**VMF-EOX:** Thermostat to be secured to the side of the fan coil, fitted as standard with an air probe and a water probe.

**VMF-E19:** Thermostat to be secured to the side of the fan coil, fitted as standard with an air probe and a water probe.

**VMF-E22:** 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 PAN-TONE 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.

**VMF-SIT3:** Interface card that permits connecting the VMF-E19 thermostats to a fan coil with a high power motor.

VMF-SW: Water temperature probe.

VMF-SW1: Extra water probe to be used for 4-pipe systems.

#### **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.

**VDP:** Combined adjustment and balancing valve, for 2 and 4 pipe systems to be installed outside the unit. It is comprised of a valve body without nipples with Ø 3/4'M water connections, a 230 V powered actuator with On-Off function and a 5 m power supply cable. The valve is supplied without connections or hydraulic components.

#### (Heating only) additional coil

**BV:** Single row hot water heat exchanger.

**RX:** Armoured electric coil with safety thermostat.

#### **Installation accessories**

**PCZ:** Sheet metal panel closing the rear of the unit.

**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

# **ACCESSORIES COMPATIBILITY**

# Control panels Model

Model	Ver	100	101	102	150	200	201	202	250
	AF,UF	•			•	•			•
AER503IR (1)	AS,U,UA	•	•	•					
DV27	AF,UF	•			•	•			•
PX2Z	AS,U	•	•	•					
	AF,UF					•			
SA5 (2)	AS,U,UA	•	•	•	•	•	•	•	•
SIT3 (3)	AS,U,UA	•	•	•	•	•	•	•	•
SIT5 (4)	AS,U,UA	•	•	•	•	•	•	•	•
	AF,AS,UF	•			•	•			•
SW3 (2)	U,UA	•	•	•	•	•	•	•	•
	AF,UF	•			•	•			•
SW5 (2)	AS,U,UA	•	•	•	•	•	•	•	•
	AF,UF	•			•	•			•
T-TOUCH	AS,U	•	•	•	•	•	•	•	
	AF,UF	•			•	•			•
TX (1)	AS,U,UA	•	•	•	•	•	•	•	•
	AF,UF	•			•	•			•
TXB (5)	AS,U,UA	•	•	•	•	•	•	•	•
WMT05	AF,AS,U,UA,UF	•			•	•		-	•
	AF,UF	•			•	•			•
WMT06	AS,U	•	•	•	•	•		•	•
	AF,UF	· ·	•	· · · · · · · · · · · · · · · · · · ·	· ·	· ·	•	•	· ·
WMT10	AS,U,UA	•	•	•	•	•		•	•
Model	Ver	300	301	302	350	400	401	402	450
AER503IR (1)	AF,UF	•			•	•			•
	AS,U,UA	•	•	•	•	•	•	•	•
PX2Z	AF,UF	•			•	•			•
	AS,U	•	•	•	•	•	•	•	•
SA5 (2)	AF,UF	•			•	•			•
	AS,U,UA	•	•	•	•	•	•	•	•
SIT3 (3)	AS,U,UA	•	•	•	•	•	•	•	•
SIT5 (4)	AS,U,UA	•	•	•	•	•	•	•	•
SW3 (2)	AF,AS,UF	•			•	•			•
JWJ (2)	U,UA	•	•	•	•	•	•	•	•
SW5 (2)	AF,UF	•			•	•			•
JWJ (2)	AS,U,UA	•	•	•	•	•	•	•	•
T-TOUCH	AF,UF					•			•
1-100011	AS,U	•	•	•	•	•	•	•	•
TX (1)	AF,UF	•			•	•			•
IX (1)	AS,U,UA	•	•	•	•	•	•	•	•
TXB (5)	AF,UF	•			•	•			•
	AS,U,UA	•	•	•	•	•	•	•	•
WMT05	AF,AS,U,UA,UF	•			•	•			•
WMT06	AF,UF	•			•	•			•
WIVIIUO	AS,U	•	•	•	•	•	•	•	•
WMT10	AF,UF	•			•	•			•
WINITIO	AS,U,UA		•	•	•	•	•		•
Model	Ver	500	501	502	550	600	601	602	650
	AF,UF	•			•				
AER503IR (1)	AS,U,UA	•	•	•	•	•		•	•
	AF,UF	•			•				
PX2Z	AS,U	•	•	•	•	•	•	•	•
	AF,UF	•			•				
SA5 (2)	AS,U,UA	•	•	•	•	•	•	•	•
SIT3 (3)	AS,U,UA	•	•	•	•	•	•	•	•
SIT5 (4)	AS,U,UA	•	•	•	•	•	•	•	•
/	AF,UF	•			•				
SW3 (2)	AS	•			•	•	•	•	•
\-/	U,UA	•	•	•	•	•	•	•	•
	AF,UF	•			•				
SW5 (2)	AS,U,UA	•	•	•	•	•	•	•	•
	AF,UF	•	<u> </u>	-	•	<u>-</u>	<u> </u>	<u> </u>	-
T-TOUCH	AS,U	· ·	•	•	•	•	•	•	•
	AF,UF	•	•	•	•	•	•	•	•
TX (1)	AS,U,UA	•	•		•			•	•
	AS,U,UA AF,UF		•	•		•	•	•	•
TXB (5)		•			•				
	AS,U,UA	•	•	•	•	•	•	•	•

WMT05	AF,UF	•			•				
WINIIOS	AS,U,UA	•			•	•			•
MATOC	AF,UF				•				
WMT06	AS,U	•	•	•	•	•	•	•	•
MAT10	AF,UF	•			•				
WMT10	AS,U,UA	•	•	•	•	•	•	•	•
Model	Ver	700	701	702	750	800	801	802	850
AER503IR (1)	AS,U,UA	•	•	•	•	•	•	•	•
PX2Z	AS,U	•		•	•	•	•	•	•
SA5 (2)	AS,U,UA	•		•	•	•	•		•
SIT3 (3)	AS,U,UA	•		•	•	•	•	•	
SIT5 (4)	AS,U,UA	•		•	•	•	•	•	•
SW3 (2)	AS,U,UA	•		•	•	•	•	•	•
SW5 (2)	AS,U,UA	•		•	•	•	•	•	•
T-TOUCH	AS,U	•		•	•	•	•	•	•
TX (1)	AS,U,UA	•		•	•	•	•	•	•
TXB (5)	AS,U,UA	•		•	•	•	•		•
WMT05	AS,U,UA	•			•				
WMT06	AS,U	•	•		•		•	•	
WMT10	AS,U,UA	•			•	•		•	
Model	Ver	900		901	91	50	1000		1001
	AF,UF	700		741		•	•		1001
AER503IR (1)	AS,U,UA	•		•		•	•		•
	AF,UF				,		•		
PX2Z	AS,U			•		•	•		•
	AS,U	•		•		•			•
	AS,U AF,UF								•
SA5 (2)	AS,U AF,UF AS,U,UA					•	•		
	AS,U AF,UF AS,U,UA AF,UF				,	•	•		
SA5 (2) SIT3 (3)	AS,U AF,UF AS,U,UA AF,UF AS,U,UA	•		•	,	•	•		
SA5 (2) SIT3 (3)	AS,U AF,UF AS,U,UA AF,UF AS,U,UA AF,UF	•		•		•	•		
SA5 (2)	AS,U AF,UF AS,U,UA AF,UF AS,U,UA					•	•		
SA5 (2) SIT3 (3) SIT5 (4)	AS,U AF,UF AS,U,UA AF,UF AS,U,UA AF,UF AS,U,UA AF,UF AS,U,UA AF,UF								
SA5 (2) SIT3 (3) SIT5 (4)	AS,U  AF,UF  AS,U,UA  AF,UF  AS,U,UA  AF,UF  AS,U,UA								
SA5 (2) SIT3 (3) SIT5 (4)	AS,U  AF,UF  AS,U,UA  AF,UF  AS,U,UA  AF,UF  AS,U,UA  AF,UF  AS  U,UA  AF,UF								
SA5 (2) SIT3 (3) SIT5 (4)	AS,U  AF,UF  AS,U,UA  AF,UF  AS,U,UA  AF,UF  AS,U,UA  AF,UF  AS  U,UA  AF,UF  AS								
SA5 (2) SIT3 (3) SIT5 (4) SW3 (2)	AS,U  AF,UF  AS,U,UA  AF,UF  AS,U,UA  AF,UF  AS,U,UA  AF,UF  AS  U,UA  AF,UF								
SA5 (2) SIT3 (3)	AS,U  AF,UF  AS,U,UA  AF,UF  AS,U,UA  AF,UF  AS,U,UA  AF,UF  AS  U,UA  AF,UF  AS,U,UA  AF,UF  AS,U,UA								
SA5 (2) SIT3 (3) SIT5 (4) SW3 (2) SW5 (2)	AS,U  AF,UF  AS,U,UA  AF,UF  AS,U,UA  AF,UF  AS,U,UA  AF,UF  AS  U,UA  AF,UF  AS,U,UA  AF,UF  AS,U,UA  AF,UF  AS,U,UA  AF,UF  AS,U,UA  AF,UF  AS,U,UA								
SA5 (2) SIT3 (3) SIT5 (4) SW3 (2) SW5 (2)	AS,U  AF,UF  AS,U,UA  AF,UF  AS,U,UA  AF,UF  AS,U,UA  AF,UF  AS  U,UA  AF,UF  AS,U,UA  AF,UF  AS,U,UA  AF,UF  AS,U,UA  AF,UF  AS,U,UA								
SA5 (2) SIT3 (3) SIT5 (4) SW3 (2) SW5 (2) T-TOUCH TX (1)	AS,U  AF,UF  AS,U,UA  AF,UF  AS,U,UA  AF,UF  AS,U,UA  AF,UF  AS  U,UA  AF,UF  AS,U,UA  AF,UF  AS,U,UA  AF,UF  AS,U,UA  AF,UF  AS,U,UA  AF,UF  AS,U  AF,UF  AS,U  AF,UF								
SA5 (2)  SIT3 (3)  SIT5 (4)  SW3 (2)  T-TOUCH  TX (1)	AS,U  AF,UF  AS,U,UA  AF,UF  AS,U,UA  AF,UF  AS,U,UA  AF,UF  AS  U,UA  AF,UF  AS,U,UA  AF,UF  AS,U,UA  AF,UF  AS,U,UA  AF,UF  AS,U,UA  AF,UF  AS,U  AF,UF  AS,U  AF,UF  AS,U,UA								
SA5 (2) SIT3 (3) SIT5 (4) SW3 (2) T-TOUCH TX (1) TXB (5)	AS,U  AF,UF  AS,U,UA  AF,UF  AS,U,UA  AF,UF  AS,U,UA  AF,UF  AS  U,UA  AF,UF  AS,U,UA  AF,UF  AS,U,UA  AF,UF  AS,U,UA  AF,UF  AS,U,UA  AF,UF  AS,U  AF,UF  AS,U  AF,UF  AS,U,UA								
SA5 (2) SIT3 (3) SIT5 (4) SW3 (2) SW5 (2) T-TOUCH TX (1) TXB (5) WMT05	AS,U  AF,UF  AS,U,UA  AF,UF  AS,U,UA  AF,UF  AS,U,UA  AF,UF  AS  U,UA  AF,UF  AS,U,UA  AF,UF  AS,U,UA  AF,UF  AS,U,UA  AF,UF  AS,U,UA  AF,UF  AS,U  AF,UF  AS,U,UA  AF,UF  AS,U,UA  AF,UF  AS,U,UA								
SA5 (2) SIT3 (3) SIT5 (4) SW3 (2) T-TOUCH TX (1) TXB (5)	AS,U AF,UF AS,U,UA AF,UF AS,U,UA,UF AS,U,UA,UF AS,U,UA,UF AS,U,UA,UF								
SA5 (2)  SIT3 (3)  SIT5 (4)  SW3 (2)  SW5 (2)  T-TOUCH  TX (1)  TXB (5)  WWIT05	AS,U  AF,UF  AS,U,UA  AF,UF  AS,U,UA  AF,UF  AS,U,UA  AF,UF  AS  U,UA  AF,UF  AS,U,UA  AF,UF  AS,U,UA  AF,UF  AS,U,UA  AF,UF  AS,U,UA  AF,UF  AS,U  AF,UF  AS,U,UA  AF,UF  AS,U,UA  AF,UF  AS,U,UA								

Model

Ver

500

501

502

550

600

601

602

650

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

# VMF system

Model	Ver	100	101	102	150	200	201	202	250	300	301
VMF FOV (1)	AF,UF	•				•				•	
VMF-EOX (1)	AS,U,UA	•	•	•	•	•	•	•	•	•	
VMF-E19	AF,UF	•			•	•			•	•	
VIVIF-E 19	AS,U,UA	•	•	•	•	•	•	•	•	•	
VMF-E2Z	AF,UF	•			•	•			•	•	
VIVIF-EZZ	AS,U,UA	•	•	•	•	•	•	•	•	•	•
VME E2	AF,UF	•			•	•			•	•	
VMF-E3	U,UA	•	•	•	•	•	•	•	•	•	•
VMF-E4DX	AF,UF				•				•		
VIVIF-E4DX	AS,U,UA	•	•	•	•	•	•	•	•	•	•
VMF-E4X	AF,UF	•			•	•			•	•	
VIVIT-E4A	AS,U,UA	•	•	•	•	•	•	•	•	•	•

Wall-mount installation.
 Probe for AERSO3IR-TX thermostats, if fitted.
 Cards for AERSO3IR-TX thermostats, if present, to be installed if the unit absorption exceeds 0,7 Ampere.
 Probe for AERSO3IR-TX thermostats, if fitted.
 Installation on the fan coil.

Model	Ver	100	101	102	150	200	201	202	250	300	301
	AF,UF	•	101	102	. 130	. 200	201	202	. 230	•	301
VMF-IR	U,UA	•	•			•	•	•	•	•	•
VMF-SW	AF,UF	•			•	•			•	•	
VIVI - JVV	AS,U	•	•	•	•	•	•	•	•	•	•
VMF-SW1	AF,UF	•			•	•			•	•	
	AS,U	•	•	•	•	•	•	•	•	•	•
Model	Ver AF,UF	302	350	400	401	402	450	500	501	502	550
VMF-EOX (1)	AF,UF AS,U,UA	•	•	•	•	•	•	•	•	•	•
	AF,UF	•	•	•	•	•	•	•	•	•	•
VMF-E19	AS,U,UA	•			•	•	•	•	•		•
VMF-E2Z	AF,UF		•	•			•	•			•
VIVII -LZZ	AS,U,UA	•	•	•	•	•	•	•	•	•	•
VMF-E3	AF,UF		•	•			•	•			•
	U,UA AF,UF	•	•	•	•	•	•	•	•	•	•
VMF-E4DX	AS,U,UA	•	•	•	•	•	•	•	•	•	•
VALE E 4V	AF,UF										•
VMF-E4X	AS,U,UA	•		•	•	•	•	•	•	•	•
VMF-IR	AF,UF		•	•			•	•			•
	U,UA	•	•	•	•	•	•	•	•	•	•
VMF-SW	AF,UF		•	•			•	•			•
	AS,U AF,UF	•	•	•	•	•	•	•	•	•	•
VMF-SW1	AS,U	•	•	•	•	•	•	•	•	•	•
Model	Ver	600	601	602	650	700	701	702	750	800	801
	AF,UF	•	001	002	•	•	/01	102	. 730	•	001
SIT3Z	U,UA	•	•	•	•	•	•	•	•	•	•
VMF-E0X (1)	AS,UA	•	•		•	•	•	•	•	•	
VIVIT-EUX (I)	U		•	•			•	•			•
VMF-E19	AS,UA	•	•	•	•	•	•	•	•	•	•
	U AS,UA		•	•			•	•			•
VMF-E2Z	U AS,UA	•	•	•	•	•	•	•	•	•	•
	AF,UF				•						
VMF-E3	U,UA	•	•		•	•	•		•	•	•
VMF-E4DX	AS,UA	•	•	•	•	•	•	•	•	•	•
	U		•	•			•	•			•
VMF-E4X	AS,UA U	•	•	•	•	•	•	•	•	•	•
	AF,UF	•			•	•		•	•	•	•
VMF-IR	U,UA		•		•	•	•	•			•
VMF-SIT3 (2)	AF,UF	•			•	•				•	
VIVIT-3113 (2)	U,UA	•	•	•	•	•	•	•	•	•	•
VMF-SW	AS	•	•	•	•	•	•	•	•	•	•
	U AS	•	•	•			•	•			•
VMF-SW1	U NS	•	•	· ·	•	•	· ·	•	•	•	· ·
Model	Ver	802		850	900		01	950	1000		1001
	AF,UF	002		•	•	9	VI	•	1000		1001
SIT3Z	U,UA	•		•	•		•	•			
	AF,UF							•			
VMF-E0X (1)	AS,UA	•		•	•		•	•	•		•
	U AFUE	•			•		•	•	•		•
VMF-E19	AF,UF AS,UA	•			•		•	•	•		
VIVIF-E17	U AS,UA	•		•	•		•	•	•		•
	AF,UF							•			
VMF-E2Z	AS,UA	•		•	•		•	•	•		•
	U	•			•		•	•	•		•
VMF F2	AF			•	•			•			
VMF-E3	U,UA UF	•		•	•		•	•	•		•
	AF,UF			•	•			•	•		
VMF-E4DX	AS,UA	•		•	•		•	•	•		•
	U	•			•		•	•	•		•
	AF,UF							•			
VMF-E4X	AS,UA	•		•	•		•	•	•		•
	U	•			•		•	•	•		•

Model	Ver	802	850	900	901	950	1000	1001
	AF		•	•		•		
VMF-IR	U,UA	•	•	•	•	•	•	•
	UF		•	•		•	•	
VME CITA (2)	AF,UF		•	•		•		
VMF-SIT3 (2)	U,UA	•	•	•	•	•		
	AF,UF					•		
VMF-SW	AS	•	•	•	•	•	•	•
	U	•		•	•	•	•	•
	AF,UF					•		
VMF-SW1	AS	•	•	•	•	•	•	•
	U							

Water valves																
3 way valve kit																
	100	101	102	150	200	201	202	250	300	301	302	350	400	401	402	450
Main coil	VCZ41	VCZ41	VCZ41	VCZ41	VCZ41	VCZ41	VCZ41	VCZ41	VCZ42	VCZ42	VCZ42	VCZ42	VCZ42	VCZ42	VCZ42	VCZ42
Maili Coli	VCZ4124	VCZ4124	VCZ4124	VCZ4124	VCZ4124	VCZ4124	VCZ4124	VCZ4124	VCZ4224	VCZ4224	VCZ4224	VCZ4224	VCZ4224	VCZ4224	VCZ4224	VCZ4224
Secondary coil		VCF44	VCF44			VCF44	VCF44			VCF44	VCF44			VCF44	VCF44	
Secondary con		VCZ4424	VCZ4424			VCZ4424	VCZ4424			VCZ4424	VCZ4424			VCZ4424	VCZ4424	
Additional coil "BV"	VCF44		_	_	VCF44	_	_	_	VCF44	_	_	_	VCF44	_	_	
	VCZ4424				VCZ4424				VCZ4424				VCZ4424			
	500	501	502	550	600	601	602	650	700	701	702	750	800	801	802	850
Main coil	VCZ42	VCZ42	VCZ42	VCZ42	VCZ42	VCZ42	VCZ42	VCZ42	VCZ42	VCZ42	VCZ42	VCZ42	VCZ42	VCZ42	VCZ42	VCZ42
	VCZ4224	VCZ4224	VCZ4224	VCZ4224	VCZ4224	VCZ4224	VCZ4224	VCZ4224	VCZ4224	VCZ4224	VCZ4224	VCZ4224	VCZ4224	VCZ4224	VCZ4224	VCZ4224
Secondary coil	-	VC74424	VC74424	-	-	VC74424	VCF44	-	-	VCF44	VCF44	-	-	VCF44	VCF44	-
	VCF44	VCZ4424	VCZ4424		VCEAA	VCZ4424	VCZ4424		VCF44	VCZ4424	VCZ4424		VCEAA	VCZ4424	VCZ4424	
Additional coil "BV"	VCF44 VCZ4424	-	-	-	VCF44 VCZ4424	-	-	-	VCZ4424	-	-	-	VCF44 VCZ4424	-	-	-
	VCZ44Z4				VCZ44Z4				VCZ44Z4			-	VCZ44Z4			
	900	901	950	1000	1001	-										
	VCZ43	VCZ43	VCZ43	VCZ43	VCZ43	-										
Main coil	VCZ4324	VCZ4324	VCZ4324	VCZ4324	VCZ4324											
	VC21321	VCF45	VCZ-13Z-1	VCLTSLT	VCF45	-										
Secondary coil	-	VCZ4524	-	-	VCZ4524											
	VCF45			VCF45		-										
Additional coil "BV"	VCZ4524	-	-	VCZ4524	-											
													'			
2 way valve kit																
	100	101	102	150	200	201	202	250	300	301	302	350	400	401	402	450
Main coil	VCZD1	VCZD1	VCZD1	VCZD1	VCZD1	VCZD1	VCZD1	VCZD1	VCZD2	VCZD2	VCZD2	VCZD2	VCZD2	VCZD2	VCZD2	VCZD2
	VCZD124	VCZD124	VCZD124	VCZD124	VCZD124	VCZD124	VCZD124	VCZD124	VCZD224	VCZD224	VCZD224	VCZD224	VCZD224	VCZD224	VCZD224	VCZD224
Secondary coil	-	VCFD4	VCFD4	-	-	VCFD4	VCFD4	-	-	VCFD4	VCFD4	-	-	VCFD4	VCFD4	-
	VICED 4	VCZD424	VCZD424		VICED I	VCZD424	VCZD424		LICED 4	VCZD424	VCZD424		VICED 1	VCZD424	VCZD424	
Additional coil "BV"	VCFD4	-	-	-	VCFD4	-	-	-	VCFD4	-	-	-	VCFD4	-	-	-
	VCZD424				VCZD424				VCZD424				VCZD424			
		F01					(0)	<b>(FA</b>	700	701	703	750	000	001	003	050
	<b>500</b> VCZD2	<b>501</b> VCZD2	VCZD2	VCZD2	VCZD2	601 VCZD2	VCZD2	650 VCZD2	700 VCZD2	<b>701</b> VCZD2	<b>702</b> VCZD2	<b>750</b> VCZD2	800 VCZD2	<b>801</b> VCZD2	<b>802</b> VCZD2	850
Main coil	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2 VCZD224	VCZD2
	VCZUZZ4	VCZDZZ4 VCFD4	VCZDZZ4 VCFD4	VCLUZZ4	VCLUZZ4	VCZDZZ4 VCFD4	VCZDZZ4 VCFD4	VCZDZZ4	VCLUZZ4	VCZDZZ4 VCFD4	VCZDZZ4 VCFD4	VCLUZZ4	VCZDZZ4	VCZDZZ4 VCFD4	VCZDZZ4 VCFD4	VCZD224
Secondary coil	-	VCZD424	VCZD424	-	-	VCZD424	VCZD424	-	-	VCZD424	VCZD424	-	-	VCZD424	VCZD424	-
	VCFD4	¥CZD4Z4	VCLD424		VCFD4	¥ (LD424	v CLU424		VCFD4	VCLU424	v CLD424		VCFD4	VCLU424	vCLD424	
Additional coil "BV"	VCZD424	-	-	-	VCZD424	-	-	-	VCZD424	-	-	-	VCZD424	-	-	-
	VCLU424				v (LD424				VCZD4Z4				vCZD4Z4			
	900	901	950	1000	1001	-										

	900	901	950	1000	1001
Main coil	VCZD3	VCZD3	VCZD3	VCZD3	VCZD3
Main con	VCZD324	VCZD324	VCZD324	VCZD324	VCZD324
Casandanysail		VCFD4			VCFD4
Secondary coil	-	VCZD424	-	-	VCZD424
Additional call // DW//	VCFD4			VCFD4	
Additional coil "BV"	VCZD424	-	-	VCZD424	-

# Valve Kit for 4 pipe systems - Requires a thermost at with valve management

Model	Ver	100	101	102	150	200	201	202	250
VCZ1X4L (1)	AF,AS,U,UA,UF	•			•	•			•
VCZ1X4R (1)	AF,AS,U,UA,UF	•			•	•			•
Model	Ver	300	301	302	350	400	401	402	450
VCZ2X4L (1)	AF,AS,U,UA,UF	•			•	•			•

<sup>(1)</sup> Also the accessory VMF-SIT3 is mandatory if the unit exceeds 0.7 Amperes.
(2) For the selection, consult the documentation for the thermostat and the fan coil.

Model	Ver	300	301	302	350	400	401	402	450
VCZ2X4R (1)	AF,AS,U,UA,UF	•			•	•			•
Model	Ver	500	501	502	550	600	601	602	650
VCZ2X4L (1)	AF,UF AS,U,UA	•			•	•			•
VCZ2X4R (1)	AF,UF	•			•				
VCZZA4N (1)	AS,U,UA	•			•	•			•
Model	Ver	700	701	702	750	800	801	802	850
VCZ2X4L (1) VCZ2X4R (1)	AS,U,UA AS,U,UA	•	,		•	•			•
Model	Ver	900		901	9:		1000		1001
VCZ3X4L (1)	AF,AS,U,UA,UF	•		701		•	•		1001
VCZ3X4R (1)	AF,AS,U,UA,UF	•				•	•		
	with the units if there is a control par		hem.						
	nt and Balancing Valve								
Model	Ver ACT,APC	100	101	102	150	200	201	202	250
VJP060 (1)	ACI,APC AS,U,UA	•			•	•	•	•	•
VJP060M (2)	ACT,APC	•			•	•			•
131 000NI (Z)	AS,U,UA	•	•	•	•	•	•	•	•
Model	Ver	300	301	302	350	400	401	402	450
VJP060 (1)	ACT,APC AS,U,UA	•	•	•	•				
VIDOCOM (2)	ACT,APC	•	•	•	•				
VJP060M (2)	AS,U,UA	•	•	•	•				
VJP090 (1)	ACT,APC AS,U,UA					•			•
	ACT,APC					•	•	•	•
VJP090M (2)	AS,U,UA					•	•	•	•
Model	Ver	500	501	502	550	600	601	602	650
VJP090 (1)	ACT,APC	•			•	•			•
	AS,U,UA ACT,APC	•	•	•	•	•	•	•	•
VJP090M (2)	AS,U,UA	•	•	•	•	•	•	•	•
VJP150 (1)	ACT,APC					•			•
	AS,U,UA ACT,APC					•	•	•	•
VJP150M (2)	AS,U,UA					•	•	•	•
Model	Ver	700	701	702	750	800	801	802	850
VJP150 (1)	ACT,APC				•				•
	AS,U,UA ACT,APC		•	•	•		•	•	•
VJP150M (2)	AS,U,UA		•	•	•		•	•	•
Model	Ver	900		901	9:	50	1000		1001
VJP150 (1)	ACT,APC					•	•		
	AS,U,UA ACT,APC			•		•	•		•
VJP150M (2)	AS,U,UA			•		•	•		•
(1) 230V~50Hz									
(2) 24V Model	Ver	100	101	102	150	200	201	202	250
	A,AS,U,UA	•	•	•	•	. 200		•	. 250
VDP15HF (1)	ACT,AF,APC,UF	•			•	•			•
VDP15HF24 (1)	A,AS,U,UA	•	•	•	•	•	•	•	•
	ACT,AF,APC,UF A,AS,U,UA	•	•	•	•	•	•	•	•
VDP15HFM (1)	ACT,AF,APC,UF	•			•	•			•
Model	Ver	300	301	302	350	400	401	402	450
VDP15HF (1)	A,AS,U,UA	•	•	•	•	•	•	•	•
	ACT,AF,APC,UF A,AS,U,UA	•	•	•	•	•	•	•	•
VDP15HF24 (1)	ACT,AF,APC,UF	•			•	•			•
VDP15HFM (1)	A,AS,U,UA	•	•	•	•	•	•	•	•
	ACT,AF,APC,UF	•			•	•			•

Model	Ver	500	501	502	550	600	601	602	650
	A,AS,U,UA	•	•	•	•	•	•	•	
VDP15HF (1)	ACT,APC	•			•	•			•
	AF,UF								
	A,AS,U,UA	•	•	•	•	•	•	•	•
VDP15HF24 (1)	ACT,APC	•			•	•			•
	AF,UF	•			•				
	A,AS,U,UA	•	•	•	•	•	•	•	•
VDP15HFM (1)	ACT,APC					•			
	AF,UF	•			•				
Model	Ver	700	701	702	750	800	801	802	850
VDD4.EUE /4)	A,AS,U,UA		•	•		•		•	
VDP15HF (1)	ACT,APC	•			•	•			•
VDD15U524 (1)	A,AS,U,UA	•	•	•	•	•	•		
VDP15HF24 (1)	ACT,APC	•				•			•
VDD4 FUEM /4\	A,AS,U,UA		•	•		•	•		•
VDP15HFM (1)	ACT,APC	•			•	•			•
Model	Ver	900		901	9	50	1000		1001
V/DD1 CUE (1)	A,AS,U,UA	•		•		•	•		•
VDP15HF (1)	ACT,AF,APC,UF	•				•	•		
VDD15U534 (1)	A,AS,U,UA	•		•		•	•		•
VDP15HF24 (1)	ACT,AF,APC,UF	•				•	•	,	
VDD1FUEM (1)	A,AS,U,UA	•		•		•	•		
VDP15HFM (1)	ACT,AF,APC,UF	•				•	•		

<sup>(1)</sup> The compatibility of the valves with the unit must be checked using the project capacity.

# (Heating only) additional coil

#### Heating only additional coil

пеанну он	iy additional con								
Model	Ver	100	101	102	150	200	201	202	250
BV117 (1)	A,AF,AS,U,UA,UF	•							
BV122 (1)	A,AF,AS,U,UA,UF	-				•			
Model	Ver	300	301	302	350	400	401	402	450
BV132 (1)	A,AF,AS,U,UA,UF	•							
BV142 (1)	A,AF,AS,U,UA,UF					•			
Model	Ver	500	501	502	550	600	601	602	650
BV142 (1)	A,AF,AS,U,UA,UF	•							
BVZ800 (1)	A,AS,U,UA	-				•			
Model	Ver	700	701	702	750	800	801	802	850
BVZ800 (1)	A,AS,U,UA	•				•			
Model	Ver	900		901	9	50	1000		1001
BV162 (1)	A,AF,AS,U,UA,UF	•					•		

<sup>(1)</sup> Not available for sizes with oversized main coil.

# ${\it Electric\,coil-Requires\,a\,thermost at\,with\,heater\,management.\,Not\,available\,for\,sizes\,with\,an\,over sized\,main\,coil.}$

Licciiic coi	i neganes a tileini	ostat with nea	ici manage	memento uvan	idoic for sizes	with an oversi	cca mam com		
Model	Ver	100	101	102	150	200	201	202	250
RX17 (1)	AF,AS,U,UA,UF	•							
RX22 (1)	AF,AS,U,UA,UF			1		•			
Model	Ver	300	301	302	350	400	401	402	450
RX32 (1)	AF,AS,U,UA,UF	•							
RX42 (1)	AF,AS,U,UA,UF			1		•			
Model	Ver	500	501	502	550	600	601	602	650
RX52 (1)	AF,AS,U,UA,UF	•							
RXZ800 (1)	AS,U,UA			1		•			
Model	Ver	700	701	702	750	800	801	802	850
RXZ800 (1)	AS,U,UA	•				•			
Model	Ver	900		901	9	50	1000		1001
RX62 (1)	AF,AS,U,UA,UF	•					•		

 $<sup>(1) \ \</sup> Requires a thermostat with heater management. Not available for sizes with an oversized main coil.$ 

# Installation accessories

#### Wall mountina kit

wan moanting	y Kit							
Ver	100	101	102	150	200	201	202	250
U,UA	AMP20	AMP20	AMP20	AMP20	AMP20	AMP20	AMP20	AMP20
UF	AMP20	-	-	AMP20	AMP20	-	-	AMP20
The accessory cannot l	be fitted on the configurat	ions indicated with -						
Ver	300	301	302	350	400	401	402	450
U,UA	AMP20	AMP20	AMP20	AMP20	AMP20	AMP20	AMP20	AMP20

Sectionary   American flooring   American	Ver	300	)	301	302	350	400	401	402	450
Mart   Sub				-	-				-	AMP20
MAPPE   MAPP	The accessory	y cannot be fitted on the	configurations indi	cated with -						
Maria   Mari										
Part										
Ver					-	AMP20	-	-	-	-
Mary										
Mary										
Mary				AMPZ			AMPZ	'	AMPZ	
Condensate recirculation device   Section										
March   Marc	U,U <i>i</i>	4	AMPZ		AMPZ	AMPZ		AMPZ		AMPZ
AASLUIA   AASLUIA   AASLUIA   ABSUM   AASLUIA   ABSUM   ABSU	Condens	sate recirculatio	on device							
March   Marc	Model	Ver	10	00 10	1 102	150	200	201	202	250
March   Marc	DSC74 (1)				•	•	•	•	•	•
MASUJIA   MASU	D3CE1 (1)	ACT,AP	( .			•	•			•
March   Marc	Model			0 30	1 302	350	400	401	402	450
Mathematical Content	DSCZ4 (1)				•			•	•	
AASUUK										
MASULIA   MASU	Model									
Social   Ver   700   701   702   750   800   801   802   850   852   8	DSCZ4 (1)				•			•	•	
SCZ4(1)										
MCLAPC   MASUUM   MCLAPC   MASUUM   MCLAPC   MASUUM   MCLAPC   MASUUM   MCLAPC   MASUUM   MCLAPC   MCLAPC   MCLAPC   MASUUM   MCLAPC   M	Model									
Machine   Ver   900   901   950   1000   1001	DSCZ4 (1)				•			•	•	
ASSUMA   ACAPE   ACA	Model		-	-	001			1000		
NSCREDITION   NATURE   NATUR			JA							
Decided   Ver   Soo   Soi	DSCZ4 (1)					,				
Total   Ver   100   101   102   150   200   201   202   250	1) DSC4 can			cessories is also installe	d: AMP - AMPZ valve VCZ1-2	2-3-4 X4L/R and all the	condensate collection tr	avs.		
Machine   Mach			,					.,		
C24(1)	Model		100	101	102	150	200	201	202	250
ACLAPIC   ALCAPIC   ACTAPIC   ACTA										
MCTAPC   MCTAPC   MCTAPC   MASUUM   MASUUM   MASUUM   MCTAPC   MASUUM   M	BCZ4(1) —	ACT,APC	•			•	•			•
MCLAPC   NASJUJA   NASJU	BCZ5 (2) —			•	•			•	•	
CZ4(1)						•				•
ACLAPC   AASJUJA   ACLAPC   ACLAPC   AASJUJA   AC	Model		300	301	302	350	400	401	402	450
ACTAPC   AAS,UJA   ACTAPC   ACTAPC   ACTAPC   AAS,UJA   ACTAPC	BCZ4 (1) —			•	•			•	•	
ACTAPC   A										
Node    Ver   S00   S01   S02   S50   600   601   602   650   602   600   601   602   650   602   600   601   600   601   600   600   601   600   600   600   601   600   60	BCZ5 (2) —			· · · · · · · · · · · · · · · · · · ·	<u> </u>			<u> </u>	•	
CZ4(1)	Model		500	501	502	550	600	601	602	650
ACT,APC										
AAS,U,UA	3CZ4 (1) —									
Model   Ver   700   701   702   750   800   801   802   850     CZ4 (1)	R(75 (2) —	A,AS,U,UA	•	•	•	•	•	•	•	•
CZ4(1) A,AS,U,UA	(4)	ACT,APC	•			•	•			•
CZ4(1)	Model		700	701	702	750	800	801	802	850
A,AS,U,UA	3CZ4 (1) —			•	•			•	•	
ACT,APC										
Node   Ver   900   901   950   1000   1001	BCZ5 (2) —			•	•			•	•	
CZ4(1) A,AS,U,UA · · · · · · · · · · · · · · · · · · ·	Model				001			1000		
ACT,APC										
CZ6(2) A,AS,U,UA · · · · · · · · · · · · · · · · · · ·	BCZ4 (1) —				•					•
ACT,APC	2(76/2)				<u> </u>					•
2) For horizontal installation.    Canal closing the rear of the unit   Canal closing th	DCZ0 (Z) —		•					•		
Panel closing the rear of the unit    Node    Ver   100   101   102   150   200   201   202   250	1) For vertic	al installation.								
Model         Ver         100         101         102         150         200         201         202         250           CZ100         A,AS,I,UJA         ·										
CZ100 A,AS,U,UA · · · · · · · · · · · · · · · · · · ·										
ACT, APC	Model						200	201	202	250
C7200 A,AS,U,UA · · · ·	PCZ100				•					
						•		•		•
	PCZ200								·	

Model	Ver	300	301	302	350	400	401	402	450
CZ300	A,AS,U,UA ACT,APC	•	•	•	•				
	A,AS,U,UA					•	•		•
CZ500	ACT,APC					•			•
lodel	Ver	500	501	502	550	600	601	602	650
CZ500	A,AS,U,UA	•	•	•	•				
CESOO	ACT,APC	•			•				
PCZ800	A,AS,U,UA ACT,APC					•	•	•	•
4.4.1		700	701	703	750		001	003	
Model	Ver A,AS,U,UA	700	701	702	750	800	801	802	850
PCZ800	ACT,APC	•	•	•	•	•	•	•	•
Model	Ver	900		901	950		1000		1001
	A,AS,U,UA	•			•		•		•
PCZ1000	ACT,APC				•		•		
	!!! -								
ower intak		100	101	103	150	200	201	202	350
Aodel A100	Ver U,UA	100	101	102	150	200	201	202	250
iA200	U,UA	-	•	<u> </u>	·	•	•	•	•
Aodel	Ver	300	301	302	350	400	401	402	450
A300	U,UA	300	. 301	. 302		400	401	402	430
A500	U,UA			<u> </u>		•	•		•
Nodel	Ver	500	501	502	550	600	601	602	650
A500	U,UA	•	•	•	•				334
A800	U,UA					•	•	•	•
Model	Ver	700	701	702	750	800	801	802	850
A800	U,UA	•	•	•	•	•	•	•	•
Nodel	Ver	900		901	950		1000		1001
	U,UA  be combined with the	the ornam	ental arille (	GA) for floor instal	lation of the fa	n coil	•		•
Supports to Model	U,UA  be combined with to  Ver  A,AS,U,U	the ornam	ental grille (1			n coil 200	201	202	250
Supports to Model	be combined with to Ver A,AS,U,U ACT,AF,APC	the ornam	100	GA) for floor instal	lation of the fa	200	201		250
Supports to Model FIKIT100	be combined with a  Ver  A,AS,U,U  ACT,AF,APC  A,AS,U,U	the ornam A JUF	100	GA) for floor instal	lation of the fai 150	200		202	,
Supports to Model FIKIT100	be combined with a  Ver	A ,UF A	100	GA) for floor instal 101 102 · ·	lation of the fai 150	200	201	•	250
Supports to Model IKIT100 IKIT200 Model	be combined with to  Ver  A,AS,U,U  ACT,AF,APC  A,AS,U,U  ACT,AF,APC  Ver	A ,UF ,UF		GA) for floor instal.  101 102  301 302	150 	200	201		250
Supports to Model	be combined with to  Ver  A,AS,U,U  ACT,AF,APC  A,AS,U,U  ACT,AF,APC  Ver  A,AS,U,U	A A ,,UF A	100	GA) for floor instal 101 102 · ·	lation of the fai 150	200	201	•	250
Supports to Model IKKT200  Model IKKT300	be combined with to  Ver  A,AS,U,U  ACT,AF,APC  A,AS,U,U  ACT,AF,APC  Ver	A ,UF ,UF A ,UF	300	GA) for floor instal.  101 102  301 302	150	200	201	•	250
Supports to Model IKKT200  Model IKKT300	be combined with a  Ver  A,AS,U,U  ACT,AF,APC  A,AS,U,U  ACT,AF,APC  Ver  A,AS,U,U  ACT,AF,APC	A ,UF A ,UF A ,UF	300	GA) for floor instal.  101 102  301 302	150	200	201 401	402	
Supports to Model IKIT100  Model IKIT300  Model IKIT300	be combined with a  Ver  A,AS,U,U  ACT,AF,APC  A,AS,U,U  ACT,AF,APC  Ver  A,AS,U,U  ACT,AF,APC  A,AS,U,U  ACT,AF,APC	A ,UF A ,UF A ,UF	300	GA) for floor instal.  101 102  301 302	150	200	201 401	402	250
Supports to Model IIKIT200 Model IIKIT300 IIKIT300 Model Model	be combined with a  Ver  A,AS,U,U  ACT,AF,APC  A,AS,U,U  ACT,AF,APC  A,AS,U,U  ACT,AF,APC  A,AS,U,U  ACT,AF,APC  A,AS,U,U  ACT,AF,APC  A,AS,U,U  ACT,AF,APC  A,AS,U,U	A ,UF A ,UF A ,UF	300	GA) for floor instal.  101 102   301 302	350	200	201 401	402	250 
Supports to Model IIKIT200 Model IIKIT300 IIKIT300 Model Model	be combined with a  Ver  A,AS,U,U  ACT,AF,APC	A ,UF A ,UF A ,UF A ,UF	3300	GA) for floor install  101 102   301 302   501 502	350 	200 	201 401	. 402	250 
Aodel IKIT500  Aodel IKIT500  Aodel IKIT500	be combined with a  Ver  A,AS,U,U  ACT,AF,APC	A ,UF A ,UF A ,UF A ,UF A ,UF A ,UF A	3300	GA) for floor install  101 102   301 302   501 502	350 	200 	201 401	402	250 
Supports to Model IIKIT200  Model IIKIT300  Model IIKIT500  Model IIKIT500	be combined with a  Ver  A,AS,U,U  ACT,AF,APC  A,AS,U,U  ACT,AF,APC  A,AS,U,U  ACT,AF,APC  Ver  A,AS,U,U  ACT,AF,APC  ACT,AF,APC  ACT,AF,APC  AAS,U,U  ACT,AF,APC  ACT,AF,APC  ACT,AF,APC  AAS,U,U  ACT,AF,APC  AAS,U,U  ACT,AF,APC	A CALLER OF THE	3300	GA) for floor install  101 102   301 302   501 502	350 	200 400	201 401 601	. 402 . 602	250
Supports to Model HKIT200  Model HKIT300  Model HKIT500  Model HKIT500  Model	be combined with a Ver           A,AS,U,U           ACT,AF,APC           A,AS,U,U           ACT,AF,APC           A,AS,U,U           ACT,AF,APC           A,AS,U,U           ACT,AF,APC           Ver           A,AS,U,U           ACT,AF,APC           ACT,AF,APC           Ver           A,AS,U,U           ACT,AF,APC           Ver           Ver           Ver	A CALLER OF THE	100 	GA) for floor install  101 102   301 302   501 502	350 	200 	201 401	. 402	250
Addel  IKKIT200  Model  IKKIT300  IKKIT500  Model  IKKIT500  Model  IKKIT500	be combined with a  Ver  A,AS,U,U  ACT,AF,APC  A,AS,U,U  ACT,AF,APC  ACT,AF,APC  ACT,AF,APC  ACT,AF,APC  Ver  A,AS,U,U  ACT,AF,APC  Ver  A,AS,U,U  ACT,AF,APC  Ver  A,AS,U,U  ACT,AF,APC  AAS,U,U  ACT,AF,APC  Ver  AAS,U,U  ACT,AF,APC  Ver  ACT,APC	A CALLER OF THE	3300	GA) for floor install  101 102   301 302   501 502	350 	200 400	201 401 601	. 402 . 602	250
Supports to Model HKIT200  Model HKIT300  Model HKIT500  Model HKIT500  Model HKIT800	be combined with the Ver           A,AS,U,U         A,CT,AF,APC           A,AS,U,U         ACT,AF,APC           Ver         A,AS,U,U           ACT,AF,APC         A,AS,U,U           ACT,AF,APC         A,AS,U,U           ACT,AF,APC         A,AS,U,U           ACT,AF,APC         A,AS,U,U           ACT,APC         Ver           ACT,APC         U,UA	A CALLER OF THE	3300 · · · · · · · · · · · · · · · · · ·	GA) for floor install  101 102  301 302  501 502  701 702	150	200	201 401 601	. 402 . 602	250 450 650
Supports to Model FIKIT200  Model FIKIT500  Model FIKIT500  Model FIKIT800  Model FIKIT800  Model	be combined with a Ver           A,AS,U,U         ACT,AF,APC           A,AS,U,U         ACT,APC           Ver         ACT,APC           U,UA         Ver	A CALLER OF THE	100 	GA) for floor install  101 102   301 302   501 502   701 702	150	200 	201	. 402 . 602	250
Supports to Model FIKIT200  Model FIKIT500  Model FIKIT500  Model FIKIT800  Model FIKIT800  Model	be combined with the Ver           A,AS,U,U         A,CT,AF,APC           A,AS,U,U         ACT,AF,APC           Ver         A,AS,U,U           ACT,AF,APC         A,AS,U,U           ACT,AF,APC         A,AS,U,U           ACT,AF,APC         A,AS,U,U           ACT,AF,APC         A,AS,U,U           ACT,APC         Ver           ACT,APC         U,UA	AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	100 	GA) for floor install  101 102  301 302  501 502  701 702  901	150	200	201	. 402 . 602	250 450 650 850
Supports to Model IIKIT200  Model IIKIT300  Model IIKIT500  Model IIKIT500  Model IIKIT800  Model IIKIT800  Model IIKIT800	be combined with the Ver           A,AS,U,U         ACT,AF,APC           A,AS,U,U         ACT,AF,APC           A,AS,U,U         ACT,AF,APC           A,AS,U,U         ACT,AF,APC           A,AS,U,U         ACT,AF,APC           A,AS,U,U         ACT,APC           Ver         ACT,APC           U,UA         Ver           A,AS,U,U         ACT,APC           U,UA         Ver           A,AS,U,U         ACT,AF,APC	AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	100 	GA) for floor install  101 102  301 302  501 502  701 702  901	150	200	201 401 601 801 1000	. 402 	250 450 650 850 1001
Supports to Model HKIT200  Model HKIT500  Model HKIT500  Model HKIT800  Model HKIT800  Model HKIT800  Model HKIT800  Model	be combined with a Ver           A,AS,U,U         ACT,AF,APC           A,AS,U,U         ACT,AF,APC           A,AS,U,U         ACT,AF,APC           A,AS,U,U         ACT,AF,APC           A,AS,U,U         ACT,AF,APC           A,AS,U,U         ACT,AF,APC           ACT,APC         Ver           ACT,APC         U,UA           Ver         ACT,APC           ACT,APC         U,UA           Ver         A,AS,U,U           ACT,AF,APC         ACT,AF,APC	A CONTRACTOR OF THE PROPERTY O	100 	GA) for floor install  101 102   301 302   501 502   701 702	150	200	201 401 601 801 1000		250 450 650 850 1001
Supports to Model	be combined with a Ver           A,AS,U,U         ACT,AF,APC           A,AS,U,U         ACT,AF,APC           A,AS,U,U         ACT,AF,APC           A,AS,U,U         ACT,AF,APC           A,AS,U,U         ACT,AF,APC           A,AS,U,U         ACT,APC           Ver         ACT,APC           A,AS,U,U         ACT,AF,APC           A,AS,U,U         ACT,AF,APC	AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	100 	GA) for floor install  101 102  301 302  501 502  701 702  901	150	200	201 401 601 801 1000	. 402 	250
Supports to Model HKIT200  Model HKIT300  Model HKIT500  Model HKIT800  Model HKIT800  Model HKIT800  Model HKIT800  Model HKIT800  Model	be combined with the Ver           A,AS,U,U         A,CT,AF,APC           A,AS,U,U         A,CT,AF,APC           Ver         A,AS,U,U           A,AS,U,U         ACT,AF,APC           A,AS,U,U         ACT,AF,APC           A,AS,U,U         ACT,AF,APC           Ver         A,CT,APC           U,UA         Ver           A,AS,U,U         ACT,AF,APC           Sth structural feet         Ver           A,AS,U,UA         ACT,APC	A CONTRACTOR OF THE PROPERTY O	100 	GA) for floor install  101 102   301 302   501 502   701 702   102	150	200	201 401 601 801 1000		250 450 650 1001
Supports to Model IIKIT200  Model IIKIT300  Model IIKIT500  Model IIKIT500  Model IIKIT800  Model IIKIT800	be combined with the Ver           A,AS,U,U         A,CT,AF,APC           A,AS,U,U         A,CT,AF,APC           A,AS,U,U         A,CT,AF,APC           A,AS,U,U         A,CT,AF,APC           A,AS,U,U         A,CT,AF,APC           A,AS,U,U         A,CT,APC           U,UA         Ver           A,AS,U,U         A,CT,AF,APC           C,AF,APC         A,AS,U,U           ACT,AF,APC         Ver           A,AS,U,UA         ACT,APC           Ver         A,AS,U,UA           ACT,APC         Ver	A CALLER OF THE	100 	GA) for floor install  101 102   301 302   501 502   701 702	150	200	201 401 601 801 1000		250
Supports to Model IIKIT200  Model IIKIT300  Model IIKIT500  Model IIKIT800	be combined with the Ver           A,AS,U,U         A,CT,AF,APC           A,AS,U,U         A,CT,AF,APC           Ver         A,AS,U,U           A,AS,U,U         ACT,AF,APC           A,AS,U,U         ACT,AF,APC           A,AS,U,U         ACT,AF,APC           Ver         A,CT,APC           U,UA         Ver           A,AS,U,U         ACT,AF,APC           Sth structural feet         Ver           A,AS,U,UA         ACT,APC	A CONTRACTOR OF THE PROPERTY O	100 	GA) for floor install  101 102   301 302   501 502   701 702   102   302	150	200	201 401 601 801 1000 201		250 450 650 1001 250 450
Supports to Model HKIT200  Model HKIT500  Model HKIT500  Model HKIT800	Ver	A CONTRACTOR OF THE CONTRACTOR	100 	GA) for floor install  101 102  301 302  501 502  701 702  102  302	150	200	201 401 601 801 1000 201		250 450 850 1001 450
Model FIKIT100  Model FIKIT300  Model FIKIT500  Model FIKIT500  Model FIKIT800  Model FIKIT800	be combined with the Ver           A,AS,U,U         A,CT,AF,APC           A,AS,U,U         A,CT,AF,APC           A,AS,U,U         ACT,AF,APC           A,AS,U,U         ACT,AF,APC           A,AS,U,U         ACT,AF,APC           A,AS,U,U         ACT,APC           U,UA         Ver           A,AS,U,U         ACT,AF,APC           Sth structural feet         Ver           A,AS,U,UA         ACT,APC           Ver         A,AS,U,UA           ACT,APC         Ver           A,AS,U,UA         ACT,APC	A CONTRACTOR OF THE PROPERTY O	100 	GA) for floor install  101 102   301 302   501 502   701 702   102   302	150	200 400 800 950 400	201 401 601 801 1000 201		250 450 650 1001 250

Model	Ver	700	701	702	750	800	801	802	850
777	A,AS,U,UA	•	•	•	•	•	•	•	•
LXL	ACT,APC	•			•	•			•
Model	Ver	900		901	9.	50	1000		1001
777	A,AS,U,UA	•		•		•	•		•

# **PERFORMANCE SPECIFICATIONS**

#### 2-pipe

			FCZ10	0		FCZ15	0		CZ20	)		CZ25	0		FCZ30	0		FCZ35	0		CZ40	0		FCZ45	0	ı	CZ50	0		FCZ55	0
		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	М	Н	L	М	Н	L	М	Н	L	М	Н	L	М	Н	L	М	Н	L	М	Н	L	М	Н	L	М	Н	L	М	Н
Heating performance 70 °C / 60	°C (1)																														
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	9,7
Water flow rate system side	I/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	85.
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
Heating performance 45 °C / 40	°C (2)																														
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	4,8
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	84
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
Cooling performance 7 °C / 12 °	C (3)																														
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	4,7
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	3,4
Water flow rate system side	I/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	82
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
Fan																															
Туре	type															Centr	ifugal														
Fan motor	type															Asynch	ironou	IS													
Number	no.		1			1			1			1			2			2			2			2			2			2	
Air flow rate	m³/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	72
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	٧1	V2	V3	٧1	V2	٧3	V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3
Fan coil sound data (4)																															
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,
Sound pressure	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,
Diametre hydraulic fittings																															
Main coil	Ø		1/2"			1/2"			1/2"			1/2"			3/4"			3/4"			3/4"			3/4"			3/4"			3/4"	
Power supply																															
Power supply																230V~	~50Hz	!													

			FCZ600	)		FCZ65	0		FCZ700	0		FCZ75	0		FCZ800	0		FCZ850	)		FCZ900	)		FCZ950	0	F	CZ100	0
		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	М	Н	L	М	Н	L	М	Н	L	М	Н	L	М	Н	L	М	Н	L	М	Н	L	М	Н	L	М	Н
Heating performance 70 °C / 60 °C	(1)																											
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	I/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
Heating performance 45 °C / 40 °C	(2)																											
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
Cooling performance 7 °C / 12 °C (	3)																											
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
Fan																												
Туре	type													C	entrifug	jal												
Fan motor	type													Asy	/nchron	ous												
Number	no.		3			3			3			3			3			3			3			3			3	
Air flow rate	m³/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	٧1	V2	V3	V1	V2	V3	V1	V2	V3	٧1	V2	V3	V1	V2	V3	V1	V2	V3	٧1	V2	V3	V1	V2	V3
Fan coil sound data (4)																												
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	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
Diametre hydraulic fittings																												
Main coil	Ø														3/4"													
Power supply																												
Power supply														23	30V~50	)Hz												

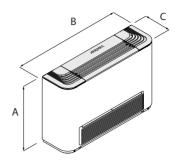
(1) Room air temperature 20 °C d.b.; Water (in/out) 70 °C/60 °C
(2) Room air temperature 20 °C d.b.; Water (in/out) 45 °C/40 °C; EUROVENT
(3) Room air temperature 27 °C d.b./19 °C w.b.; Water (in/out) 7 °C/12 °C; EUROVENT
(4) Aermec determines the sound power value on the basis of measurements taken in accordance with standard UNI EN 16583:15, respecting the Eurovent certification.

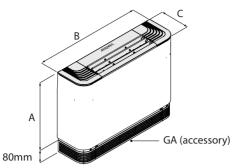
#### 4-pipe

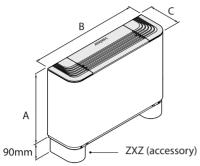
тріре		F	FCZ10	1		FCZ20	1		CZ30	1		FCZ40	1		FCZ50	1		FCZ60	1		CZ70	1		FCZ80	1	ı	CZ90	1	F	CZ100	1
		1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
		L	М	Н	L	М	Н	L	М	Н	L	М	Н	L	М	Н	L	М	Н	L	М	Н	L	М	Н	L	М	Н	L	М	Н
Heating performance 65 °C / 55 °	C (1)										•															•					
Heating capacity	kW	0,75	1,01	1,17	1,02	1,35	1,60	1,80	2,18	2,56	2,21	2,65	3,12	2,59	3,34	3,73	2,96	3,67	4,36	3,66	4,29	4,94	4,20	4,79	5,35	4,73	5,63	5,72	4,85	5,56	6,08
Water flow rate system side	l/h	65	89	102	89	118	140	158	191	224	186	232	273	227	293	327	259	321	381	320	375	437	368	419	467	414	492	501	424	487	532
Pressure drop system side	kPa	2	4	4	4	8	10	16	23	30	4	6	8	6	8	10	8	12	16	11	14	18	16	20	24	8	12	12	10	14	16
Cooling performance 7 °C / 12 °C	(2)																														
Cooling capacity	kW	0,65	0,84	1,00	0,89	1,28	1,60	1,68	2,17	2,65	2,20	2,92	3,60	2,68	3,69	4,25	3,22	3,90	4,65	3,92	4,89	5,50	4,84	5,66	6,10	4,29	5,00	6,91	5,69	6,88	7,62
Sensible cooling capacity	kW	0,51	0,69	0,83	0,71	1,05	1,33	1,26	1,65	2,04	1,59	2,14	2,67	1,94	2,73	3,18	2,56	3,17	3,92	2,99	3,76	4,30	3,72	4,42	4,83	2,97	3,78	5,68	4,42	5,34	5,53
Water flow rate system side	l/h	112	144	172	153	221	275	288	374	456	379	503	619	460	634	731	554	671	800	675	841	946	833	974	1049	738	860	1189	979	1183	1311
Pressure drop system side	kPa	4	6	8	6	12	18	8	13	18	10	16	24	13	22	29	14	19	26	16	24	30	20	26	30	10	12	22	22	31	36
Fan																															
Туре	type															Centr	ifugal														
Fan motor	type															Asynch	ronou	IS													
Number	no.		1			1			2			2			2			3			3			3			3			3	
Air flow rate	m³/h	110	160	200	140	220	290	260	350	450	330	460	600	400	600	720	520	720	920	700	930	1140	900	1120	1300	700	930	1140	900	1120	1300
Input power	W	19	29	35	25	29	33	25	33	44	30	43	57	38	52	76	38	60	91	59	80	106	80	100	131	59	80	106	80	100	131
Electrical wiring		٧1	V2	٧3	V1	V2	V3	V1	V2	٧3	V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3	٧1	V2	V3	٧1	V2	V3
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
Diametre hydraulic fittings																															
Main coil	Ø		1/2"			1/2"			3/4"			3/4"			3/4"			3/4"			3/4"			3/4"			3/4"			3/4"	
Secondary coil	Ø															1/	/2"														
Power supply																															
Power supply																230V	~50Hz														

(1) Room air temperature 20°C d.b.; Water (in/out) 65 °C/55 °C; EUROVENT
(2) Room air temperature 27°C d.b./19°C w.b.; Water (in/out) 7 °C/12 °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**







		FCZ100	FCZ101	FCZ102	FCZ150	FCZ200	FCZ201	FCZ202	FCZ250	FCZ300	FCZ301	FCZ302	FCZ350	FCZ400	FCZ401	FCZ402	FCZ450
Dimensions and weights																	
A	mm	486	486	486	486	486	486	486	486	486	486	486	486	486	486	486	486
В	mm	640	640	640	640	750	750	750	750	980	980	980	980	1200	1200	1200	1200
C	mm	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220
Empty weight	kg	13	14	14	14	15	15	16	16	17	18	19	19	33	23	23	24
		FCZ500	FCZ501	FCZ502	FCZ550	FCZ600	FCZ601	FCZ602	FCZ650	FCZ700	FCZ701	FCZ702	FCZ750	FCZ800	FCZ801	FCZ802	FCZ850
Dimensions and weights																	
A	mm	486	486	486	486	486	486	486	486	486	486	486	486	486	486	486	486
В	mm	1200	1200	1200	1200	1200	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320	1320
C	mm	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220
Empty weight	kg	24	22	23	24	24	29	31	33	29	31	33	33	29	29	31	33
			FCZ900			FCZ90	)1		FCZ	950		FC	Z1000			FCZ1001	
Dimensions and weights																	
A	mm		591			591			5	91			591			591	
В	mm		1320			1320	)		13	20			1320			1320	
C	mm		220			220			2	20			220			220	
Empty weight	kg		34			34			3	4			34			34	

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# **FCZI**

# Fan coil with brushless inverter motor, for universal and floor installation

Cooling capacity 0,89 ÷ 6,91 kW Heating capacity 2,02 ÷ 17,10 kW



- Electric saving equal to 50% with respect to a fan coil with 3-speed motor
- Touch controller mounted on-board. allows remote control with smart devices
- 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**

#### Case

Protective metal cabinet with anti-corrosion polyester RAL 9003 paint, whereas the head with the air distribution grille is in RAL 7047 plastic. **Depending on the version, the distribution grille may be adjustable.** 

# **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

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.

The air flow can be continuously changed through a 1-10 V signal, coming from adjustment and control commands Aermec or from independent adjustment systems.

This lowers noise and generates a better response to heat loads and a higher stability in the desired temperature inside the room.

The high efficiency even with low speed, makes it possible to reduce power consumption (more than 50% less than fan coils with traditional motors).

The plastic augers are extractable for easy and efficient cleaning.

## 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

**ACT** High, with air distribution grille and electronic thermostat

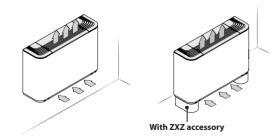
**AF** High, without built-in command but with front intake

**AS** High, with air distribution grille and built-in command

 $\boldsymbol{\mathsf{U}}$  Universal, with adjustable air distribution grille but without built-in thermostat

**UF** Universal, with adjustable air distribution grille but without built-in thermostat and with front intake grille

# Versions with fixed grille (high cabinet)



CZI\_AS

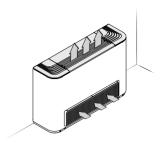
Compatibility with VMF system.

27

# — Without installed switch

#### FCZI ACT

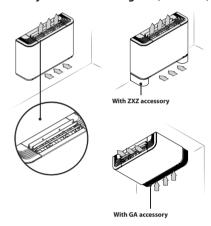
— With electronic thermostat for 2-pipe systems only.



#### FCZI AF

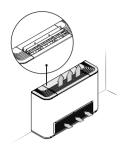
- Without installed switch
- Compatibility with VMF system.
- Front intake grille.

#### Versions with adjustable and fixed grille (universal)



# FCZI\_U

- Compatibility with VMF system.
- Without installed switch
- Distribution grille with adjustable fins. Sizes 2 and 3 have a single grille, whereas sizes 4, 5, 7 and 9 have three grilles fully independent of each other. When all the fins have closed, the unit switches off.
- Vertical and horizontal installation for 2-pipe and 4-pipe systems.



#### FCZI\_UF

- Compatibility with VMF system.
- Without installed switch
- Air delivery grille with adjustable fins.

# **ThermApp**

In units with a **T-Touch-I** electronic thermostat and the **ThermApp** application, the operating mode can be set and the weekly timer programmed by simply resting the smart device on the fan coil. The graphic interface of the app also gives access to a lot more information such as the alarm list, the closest SAT, etc.

Available for Android operating systems.



# **GUIDE TO SELECTING THE POSSIBLE CONFIGURATIONS**

Field	Description
1,2,3,4	FCZI
5	<b>Size</b> 2, 3, 4, 5, 7, 9
6	Main coil
0	Standard
5	Oversized
7	Secondary coil
0	Without coil
1	Standard
2	Oversized
8,9,10	Version
	Only vertical installation.
ACT	High, with air distribution grille and electronic thermostat
AF	High, without built-in command but with front intake
AS	Free standing without installed switch
	Vertical and horizontal installation.
U	Universal, with adjustable air distribution grille but without built-in thermostat
	Universal, with adjustable air distribution grille but without built-in thermostat and
	with front intake grille
UF	Universal, with adjustable air distribution grille but without built-in thermostat and with front intake grille

# **SIZE AVAILABLE FOR VERSION**

		1011											
Size		200	201	202	250	300	301	302	350	400	401	402	450
Versions produced (by size)													
Varriana available (by sine)	AS,ACT,U	•	•					•	•	•	•	•	•
Versions available (by size)	AF,UF	•	-	-	•	•	-	-	•	•	-	-	•
		500	501	502	550	700	701	702	750	900	901	950	
Versions produced (by size)													
Varaiana availahla (hv. sira)	A,AS,U,UA					•		•	•	•	•	•	
Versions available (by size)	AF,UF	•	-	-		-	-	-	-		-		

#### **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.

PRO503: Wall box for AER503IR and VMF-E4 thermostats.

**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.

**T-TOUCH-I:** Touch control on board the machine, for controlling fan coils with brushless motors. In 2-pipe systems, it can control standard fan coils or those equipped with an electric heater, with air purifying devices or with FCZI-D twin delivery (Dualjet). In 4-pipe systems, only standard fan coils. The ThermApp application is also available for remote control with smart devices with the Android operating system.

**TX:** Wall-mounting thermostat for controlling either brushless fan coils or those with asynchronous motors. 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). **TXBI:** Thermostat on board the machine, for FCZI fan coils with brushless motor, complete with water probe and air probe to be positioned in the relative housings. 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), radiant plate or FCZI-D twin delivery (Dualjet).

# **VMF** system

VMF-E191: 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). Compared to the previous model, 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-E22:** User interface on the fan coil, with two selectors, one for temperature and the other for speed control; to be combined with accessories VMF-E0,VMF-E19, VMF-E19I.

**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-E4X: Wall-mounted user interface, to be combined with accessories VMF-E19 and VMF-E19I for the box grilles. Innovative design, extremely thin and with a reasonable price, it makes it possible to control functions using the capacitive touch keypad, with LCD display. It is possible to select whether to regulate the environment using the panel sensor (standard) or the fancoil sensor to which it is connected, or by means of the averaged reading. It also permits activating the air purifier accessory (Cold Plasma / UV lamp) and the electric resistor. Light grey front panel PANTONE COOL GRAY 1C.

**VMF-IO:** Manage the unit exclusively from a centralized VMF control panel without area control panel.

**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.

**VMF-LON:** Expansion allowing the thermostat to interface with BMS systems that use the LON protocol.

**VMF-SW:** Water probe used if required in place of the standard unit supplied with the VMF-E0X, VMF-E19 and VMF-E19I thermostats for mounting it upstream of the valve.

**VMF-SW1:** Additional water probe to be used if required for 4-pipe systems with the VMF-E19 and VMF-E19I thermostats for maximum control in the cold range

#### **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.

**VDP:** Combined adjustment and balancing valve, for 2 and 4 pipe systems to be installed outside the unit. It is comprised of a valve body without nipples with Ø 3/4'M water connections, a 230 V powered actuator with On-Off function and a 5 m power supply cable. The valve is supplied without connections or hydraulic components.

### **Additional coil**

**BV:** Single row hot water heat exchanger.

### Installation accessories

**PCZ:** Sheet metal panel closing the rear of the unit.

**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

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

# **ACCESSORIES COMPATIBILITY**

# **Control panels**

Model	Ver	200	201	202	250	300	301	302	350	400	401	402	450
AER503IR (1)	AF,UF	•			•	•			•	•			•
HENOUSIN (1)	AS,U	•	•	•	•	•	•	•	•	•	•	•	•
PR0503	AF,UF	•			•	•			•				•
rkubub	AS,U	•	•	•	•	•	•	•	•	•	•	•	•
SA5 (2)	AF,UF	•			•	•			•	•			•
אט (ב)	AS,U	•	•	•	•	•	•	•	•	•	•	•	•
SW3 (2)	AF,UF	•			•	•			•	•			•
3VV3 (Z)	AS,U	•	•	•	•	•	•	•	•	•	•	•	•
SW5 (2)	AF,UF	•			•	•			•	•			•
3W3 (2)	AS,U	•	•	•	•	•	•	•	•	•	•	•	•
T TOLICH I	AF,UF	•			•	•			•	•			•
T-TOUCH-I	AS,U							•			•	•	
TV /1\	AF,UF	•			•	•			•	•			•
TX (1)	AS,U			•		•					•	•	
										•			
TVDI (2)	AF,UF	•			•	•			•	•			
TXBI (3)	AF,UF AS,U	•	•	•	•	•	•	•	<u>:</u>	<u> </u>			•
TXBI (3)			501	502			. 70				900	901	
Model	AS,U <b>Ver</b> AF,UF	•			•	•			•	•			•
	AS,U <b>Ver</b>	500			550	•		1	•	•	900		950
Model AER503IR (1)	AS,U <b>Ver</b> AF,UF	500	501	502	550	700	70	1	702	750	900	901	950
Model AER503IR (1)	AS,U  Ver  AF,UF  AS,U	500	501	502	550	700	70	1	702	750	900	901	950 •
Model AER503IR (1) PR0503	AS,U  Ver  AF,UF  AS,U  AF,UF	500	501	502	550	700	70	1	702	750	900	901	950
Model AER503IR (1) PR0503	AS,U  Ver  AF,UF  AS,U  AF,UF  AS,U	500	501	502	550	700	70	1	702	750	900	901	950
Model  AER503IR (1)  PR0503  5A5 (2)	AS,U  Ver  AF,UF  AS,U  AF,UF  AS,U  AF,UF  AS,U	500			550	700		1	702	750	900	901	950
Model  AER503IR (1)  PR0503  5A5 (2)	AS,U  Ver  AF,UF  AS,U  AF,UF  AS,U  AF,UF  AS,U  AF,UF  AS,U	500			550	700		1	702	750	900	901	950
Model  AERSO3IR (1)  PRO503  SA5 (2)  SW3 (2)	AS,U  Ver  AF,UF  AS,U  AF,UF  AS,U  AF,UF  AS,U  AF,UF  AS,U  AF,UF	500			. 550	. 700		1		750	900	901	950
Model  AERS03IR (1)  PR0503  SA5 (2)  SW3 (2)	AS,U  Ver  AF,UF  AS,U  AF,UF  AS,U  AF,UF  AS,U  AF,UF  AS,U  AF,UF  AS,U	500			. 550	. 700		1		750	900	901	950
Model  AERSO3IR (1)  PRO503  SA5 (2)  SW3 (2)  SW5 (2)	AS,U  Ver  AF,UF  AS,U  AF,UF  AS,U  AF,UF  AS,U  AF,UF  AS,U  AF,UF  AS,U  AF,UF	500			550	. 700		1		. 750	900	901	950
Model  AERSO3IR (1)  PRO503  SA5 (2)  SW3 (2)  SW5 (2)	AS,U  Ver  AF,UF  AS,U  AF,UF  AS,U  AF,UF  AS,U  AF,UF  AS,U  AF,UF  AS,U  AF,UF  AS,U	500			550	. 700		1		. 750	900	901	950
Model  AERSO3IR (1)  PRO503  SAS (2)  SW3 (2)  SW5 (2)  T-TOUCH-I	AS,U  Ver  AF,UF  AS,U  AF,UF  AS,U  AF,UF  AS,U  AF,UF  AS,U  AF,UF  AS,U  AF,UF  AS,U  AF,UF	500			. 550 	700		1		. 750	900	901	950
Model  AERSO3IR (1)  PRO503  SA5 (2)  SW3 (2)	AS,U  Ver  AF,UF  AS,U	500			. 550 	700		1		. 750	900	901	950
Model  AER503IR (1)  PR0503  SA5 (2)  SW3 (2)  SW5 (2)  T-TOUCH-I	AS,U  Ver  AF,UF  AS,U  AF,UF	500			. 550 	. 700		1		. 750	900	901	950

# VMF system

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

Model	Ver	200	201	202	250	300	301	302	350	400	401	402	450
	AF,UF	•	'		•	•				•	'		•
VMF-E19I	AS,U	•	•	•	•	•	•	•	•	•	•	•	•
VMF-E2Z	AF,UF	•			•	•			•	•			•
VIVIF-EZZ	AS,U	•	•		•	•		•	•		•	•	•
VMF-E3	AF,UF	•			•	•			•	•			•
VIVIC-E3	AS,U	•	•	•	•	•	•	•	•	•	•	•	•
VME EAV	AF,UF	•			•	•			•	•			•
VMF-E4X	AS,U	•	•	•	•	•		•	•	•	•	•	•
VMF-IO	AF,UF	•			•	•			•	•			•
VIVIT-IU	AS,U	•	•	•	•	•	•	•	•	•	•	•	•
VMF-IR	AF,UF	•			•	•			•	•			•
VIVIT-IN	AS,U	•	•	•	•	•		•	•	•	•	•	•
VMF-LON	AF,UF	•			•	•			•	•			•
VIVIT-LOIN	AS,U	•	•	•	•	•	•	•	•	•	•	•	•
VMF-SW	AF,UF	•			•	•			•	•			•
VIVIC-2VV	AS,U	•	•	•	•	•	•	•	•	•	•	•	•
VMF-SW1	AF,UF	•			•	•			•	•			•
I AAC-JIAIA	AS,U	•	•	•	•	•	•	•	•	•	•	•	•
Model	Ver	500	501	502	550	700	70	1	702	750	900	901	950
	AF,UF	•			•						•		•
VMF-E19I	AS,U			•	•		•			•		•	•
V/ME E27	AF,UF	•			•						•		•
VMF-E2Z	AS,U	•		•	•		•			•		•	•
VME E2	AF,UF	•			•	•				•			•
VMF-E3	AS,U	•	•	•	•	•	•		•	•	•	•	•
VMF EAV	AF,UF	•			•						•		•
VMF-E4X	AS,U	•	•	•	•	•	•		•	•	•	•	•

Wall-mount installation.
 Probe for AER503IR-TX thermostats, if fitted.
 Installation on the fan coil.

Model	Ver	500	501	502	550	700	701	702	750	900	901	950
VMF-I0	AF,UF	•			•					•		
VIMIT-IU	AS,U		•			•	•		•	•	•	•
VMF-IR	AF,UF	•			•	•			•	•		•
VIVIT-IN	AS,U	•	•	•		•	•		•	•	•	•
VMF-LON	AF,UF	•			•					•		•
VIVIF-LUIV	AS,U	•	•	•	•	•	•	•	•	•	•	•
VMF-SW	AF,UF	•			•					•		•
VIVIT-2VV	AS,U	•	•	•	•	•	•	•	•	•	•	•
VMF CW1	AF,UF	•								•		•
VMF-SW1	AS,U	•		•	•	•	•	•	•	•	•	

# **Water valves**

# 3 way valve kit

	200	201	202	250	300	301	302	350	400	401	402	450
Main coil	VCZ41	VCZ41	VCZ41	VCZ41	VCZ42							
Main coll	VCZ4124	VCZ4124	VCZ4124	VCZ4124	VCZ4224							
C		VCF44	VCF44		-	VCF44	VCF44			VCF44	VCF44	
Secondary coil	-	VCZ4424	VCZ4424	-	-	VCZ4424	VCZ4424	-	-	VCZ4424	VCZ4424	-
A 1.1241 1 11//DV//	VCF44				VCF44				VCF44			
Additional coil "BV"	VCZ4424	-	-	-	VCZ4424	-	-	-	VCZ4424	-	-	-
	500	501	502	550	700	701	702	750	900	901	950	
Mata anti	VCZ42	VCZ43	VCZ43	VCZ43								
Main coil	VCZ4224	VCZ4324	VCZ4324	VCZ4324								
C		VCF44	VCF44			VCF44	VCF44			VCF45		
Secondary coil	-	VCZ4424	VCZ4424	-	-	VCZ4424	VCZ4424	-	-	VCZ4524	-	
A 1 12-22   1 12 17 18 17 17 18 17 18 17 18 17 18 17 18 17 18 17 18 17 18 17 18 17 18 17 18 17 18 17 18 17 18 18 18 18 18 18 18 18 18 18 18 18 18	VCF44				VCF44				VCF45			
Additional coil "BV"	VC74424	-	-	-	VC74424	-	-	-	VC74524	-	-	

2 way valve kit												
	200	201	202	250	300	301	302	350	400	401	402	450
Main coil	VCZD1	VCZD1	VCZD1	VCZD1	VCZD2							
Main coil	VCZD124	VCZD124	VCZD124	VCZD124	VCZD224							
Casandamissail		VCFD4	VCFD4			VCFD4	VCFD4			VCFD4	VCFD4	
Secondary coil	-	VCZD424	VCZD424	-	-	VCZD424	VCZD424	-	-	VCZD424	VCZD424	-
Additional coil "BV"	VCFD4				VCFD4				VCFD4			
Additional Coll DV	VCZD424	-	-	-	VCZD424	-	-	-	VCZD424	-	-	-
	500	501	502	550	700	701	702	750	900	901	950	
Main coil	VCZD2	VCZD3	VCZD3	VCZD3								
Main Coll	VCZD224	VCZD324	VCZD324	VCZD324								
Carandami sail		VCFD4	VCFD4			VCFD4	VCFD4			VCFD4		
Secondary coil	-	VCZD424	VCZD424	-	-	VCZD424	VCZD424	-	-	VCZD424	-	
Additional cail#DV#	VCFD4				VCFD4				VCFD4			
Additional coil "BV"	VCZD424	-	-	-	VCZD424	-	-	-	VCZD424	-	-	

# Valve Kit for 4 pipe systems - Requires a thermost at with valve management

Model	Ver	200	201	202	250	300	301	302	350	400	401	402	450
VCZ1X4L (1)	AF,AS,U,UF	•											
VCZ1X4R (1)	AF,AS,U,UF	•			•								
VCZ2X4L (1)	AF,AS,U,UF												•
VCZ2X4R (1)	AF,AS,U,UF					•			•				•
Model	Ver	500	501	502	550	700	7(	)1	702	750	900	901	950
\(C72\V.(1.\)	AF,UF	•			•								
VCZ2X4L (1)	AS,U				•					•			
V(72V4D (1)	AF,UF	•			•								
VCZ2X4R (1)	AS,U												
VCZ3X4L (1)	AF,AS,U,UF										•		•
VCZ3X4R (1)	AF,AS,U,UF										•		•

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

# Combined Adjustment and Balancing Valve Kit

		. 9											
Model	Ver	200	201	202	250	300	301	302	350	400	401	402	450
VIDOCO (1)	ACT,AS,U	•	•	•	•	•	•	•	•		•	•	
VJP060 (1)	AF,UF	•			•	•			•				
VIDOCOM (2)	ACT,AS,U	•	•	•	•	•	•	•	•		•	•	
VJP060M (2)	AF,UF	•			•	•			•				
VJP090 (1)	ACT,AF,AS,U,UF												
VJP090M (2)	ACT,AF,AS,U,UF												

Model	Ver	500	501	502	550	700	701		702	750	900	901	950
VJP060 (1)	ACT,AS,U		•	•					•				
VJP060M (2)	ACT,AS,U								•				
VJP090 (1)	ACT,AF,AS,U,UF	•			•								
VJP090M (2)	ACT,AF,AS,U,UF				•								
VID150 (1)	ACT,AS,U					•				•	•	•	•
VJP150 (1)	AF,UF										•		•
VID1EOM (2)	ACT,AS,U					•				•	•	•	•
VJP150M (2)	AF,UF												•
(1) 230V~50Hz (2) 24V													
Model	Ver	200	201	202	250	300	301	302	350	400	401	402	450
UDD1FIIF (1)	ACT,AS,U	•				•		•					•
VDP15HF (1)	AF,UF	•			•	•			•	•			•
VDD45U524 /4\	ACT,AS,U	•	•	•	•	•	•	•	•	•	•		•
VDP15HF24 (1)	AF,UF	•			•	•			•	•			
VDD1EUEM (1)	ACT,AS,U	•	•		•		•	•			•	•	
VDP15HFM (1)	AF,UF	•			•	•			•	•			
Model	Ver	500	501	502	550	700	701		702	750	900	901	950
UDD4 FUE (4)	ACT,AS,U			•		•						•	
VDP15HF (1)	AF,UF												
1/DD451152.4./4\	ACT,AS,U												•
VDP15HF24 (1)	AF,UF	•											•
UDD4 FUEN (4)	ACT,AS,U	•			•				•		•		
/DP15HFM (1)	AF,UF				•						•		•

<sup>(1)</sup> The compatibility of the valves with the unit must be checked using the project capacity.

# (Heating only) additional coil

Model	Ver	200	201	202	250	300	301	302	350	400	401	402	450
BV122 (1)	ACT,AF,AS,U,UF	•											
BV132 (1)	ACT,AF,AS,U,UF					•							
BV142 (1)	ACT,AF,AS,U,UF									•			
Model	Ver	500	501	502	550	700	701		702	750	900	901	950
BV142 (1)	ACT,AF,AS,U,UF	•											
BV162 (1)	ACT,AF,AS,U,UF										•		
BVZ800 (1)	ACT,AS,U												

<sup>(1)</sup> Not available for sizes with oversized main coil.

# Installation accessories

Model	Ver	200	201	202	250	300	301	302	350	400	401	402	450
AMP20	U	•	•	•		•	•	•		•	•	•	•
AMPZ	U	•	•	•	•	•	•	•	•	•	•		
Model	Ver	500	501	502	550	700	70	1	702	750	900	901	950
AMP20	U	•	•	•	•								
AMPZ	U	•	•	•	•				•	•	•	•	•
Model	Ver	200	201	202	250	300	301	302	350	400	401	402	450
)CC74 (1)	ACT,AS,U	•	•	•	•	•	•	•		•	•	•	•
OSCZ4 (1)	AF,UF	•			•	•			•	•			•
Nodel	Ver	500	501	502	550	700	70	1	702	750	900	901	950
)(C74 (1)	ACT,AS,U	•	•	•	•	•	•		•	•	•	•	•
OSCZ4 (1)	ACT,AS,U AF,UF	•	•	•	•	•	•		•	•	•	•	•
		•			•					•		•	•
1) DSC4 cannot be mou	AF,UF	•			•					400		402	450
1) DSC4 cannot be mou	AF,UF nted if even just one of these a	ccessories is als	o installed: AM	NP - AMPZ valve	• • VCZ1-2-3-4 X4	L/R and all the	condensate	collection	trays.		•		•
1) DSC4 cannot be mou	AF,UF nted if even just one of these a <b>Ver</b>	ccessories is als	o installed: AM <b>201</b>	IP - AMPZ valve <b>202</b>	• VCZ1-2-3-4 X4 <b>250</b>	L/R and all the	condensate	collection 302	trays.	400	401	402	450
<b>Model</b> BCZ4 (1)	AF,UF nted if even just one of these a <b>Ver</b> ACT,AS,U	ccessories is als	o installed: AM <b>201</b>	IP - AMPZ valve <b>202</b>	• VCZ1-2-3-4 X4 250	L/R and all the	condensate	collection 302	trays. 350	400	401	402	450
1) DSC4 cannot be mou <b>Aodel</b> CCZ4 (1)	AF,UF  nted if even just one of these a  Ver  ACT,AS,U  AF,UF	ccessories is als	o installed: AM <b>201</b> •	AP - AMPZ valve	• VCZ1-2-3-4 X4  250 •	L/R and all the	condensate 301	collection 302	350 •	400	401	402	450
1) DSC4 cannot be mou <b>Aodel</b> CZ4 (1) CZ5 (2)	AF,UF  nted if even just one of these a  Ver  ACT,AS,U  AF,UF  ACT,AS,U	ccessories is als	o installed: AM <b>201</b> •	AP - AMPZ valve	• VCZ1-2-3-4 X4 250 •	300 •	condensate 301	302	trays.  350  .	400	401	402	450
1) DSC4 cannot be mou <b>Nodel</b> CC24 (1)  CC25 (2) <b>Model</b>	AF,UF  nted if even just one of these a  Ver  ACT,AS,U  AF,UF  ACT,AS,U  AF,UF	ccessories is als	o installed: AM 201 .	IP - AMPZ valve	250 •	300 • •	condensate 301	302 •	350 • •	400	401	402	450
1) DSC4 cannot be mou <b>Aodel</b> CZ4 (1) CZ5 (2)	AF,UF  nted if even just one of these a  Ver  ACT,AS,U  AF,UF  ACT,AS,U  AF,UF  Ver	ccessories is als  200  500	o installed: AM 201 .	1P - AMPZ valve 202 .	250 •	300 • • • • •	condensate 301 .	302 •	350 • • •	400	401	402	45
) DSC4 cannot be mou lodel CZ4 (1) CZ5 (2)	AF,UF  nted if even just one of these a  Ver  ACT,AS,U  AF,UF  ACT,AS,U  AF,UF  Ver  ACT,AS,U	ccessories is als	o installed: AM 201 .	1P - AMPZ valve 202 .	250	300 • • • • •	condensate 301 .	302 •	350 • • •	400	401	402	450

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BCZ6 (2)

ACT,AS,U

AF,UF

<sup>(1)</sup> For vertical installation.(2) For horizontal installation.

Model	Ver	200	201	202	250	300	301	302	350	400	401	402	450
PCZ200	ACT,AS,U	•	•	•	•								
FC2200	AF,UF	•			•								
PCZ300	ACT,AS,U		,			•	•	•	•				
1 (2300	AF,UF					•			•				
PCZ500	ACT,AS,U									•	•	•	•
T CE500	AF,UF									•			•
Model	Ver	500	501	502	550	700	70	)1	702	750	900	901	950
PCZ1000	ACT,AS,U										•	•	•
1 (2 1000	AF,UF										•		•
PCZ500	ACT,AS,U	•	•	•	•								
	AF,UF	•			•								
PCZ800	ACT,AS,U					•			•	•			
Model	Ver	200	201	202	250	300	301	302	350	400	401	402	450
CA200	AF,UF	•											
GA200	AS,U	•	•	•									
GA300	AF,UF					•			•				
UUCAD	AS,U					•	•	•	•				
GA500	AF,UF									•			•
UNJUU	AS,U									•	•	•	•
Model	Ver	500	501	502	550	700	70	)1	702	750	900	901	950
CATOO	AF,UF	•			•								
GA500	AS,U	•			•								
CA000	AF,UF										•		•
GA800	AS,U					•			•	•	•	•	•
Model	Ver	200	201	202	250	300	301	302	350	400	401	402	450
FIKIT200	AF,UF	•											
FINI1200	AS,U	•	•	•	•								
FIKIT300	AF,UF					•			•				
111111111111111111111111111111111111111	AS,U					•	•	•	•				
FIKIT500	AF,UF									•			•
TIMITOOO	AS,U									•	•	•	•
Model	Ver	500	501	502	550	700	70	)1	702	750	900	901	950
FIVITCOO	AF,UF	•								'			
FIKIT500	AS,U		•	•	•								
FIKIT800	AF,UF										•		•
FINITOUU	AS,U					•			•	•	•	•	•
Model	Ver	200	201	202	250	300	301	302	350	400	401	402	450
	ACT,AS,U	•	•	•	•	•	•	•	•	•	•	•	
ZXZ	AF,UF	•			•	•							
	_												
Model	Ver	500	501	502	550	700	70	)1	702	750	900	901	950
<b>Model</b> ZXZ	<b>Ver</b> ACT,AS,U	500	501	502	550	700	70		702	750	900	901	950

# **PERFORMANCE SPECIFICATIONS**

# **Technical data - 2-pipe systems (main coil)**

2-pipe			CZI20	0		CZI25	0		FCZI300	0		CZ1350	)	F	CZ1400	)	F	CZ145	0	F	CZI50	0	r	CZISS	0
		<del>'</del>	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
		÷		 H	Ė	M	 H	i	M	 H	i	 M	H	÷	M	H	Ĺ	M	 H	Ė	M	 H	Ė	 M	H
Heating performance 70 °C / 60 °C (1)				-"-			-"-	_			-						_								
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	5,27	7,31	8,50	5,82	8,34	9,75
Water flow rate system side	I/h	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	6	12	18	7	15	23	7	12	18	8	14	20	9	16	24	6	11	16	12	21	28	10	20	26
Heating performance 45 °C / 40 °C (2)	iii u				,			,														20			
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	2,62	3,63	4,22	2,89	4,14	4,85
Water flow rate system side	I/h	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	6	12	18	8	15	22	8	12	18	9	14	21	10	16	24	6	11	16	12	21	28	10	20	26
Cooling performance 7 °C / 12 °C (3)	Ki u		-12	-10		13			- 12	10			21	10	10	21	0		-10	12	21	20	10		20
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	2,68	3,69	4,25	2,91	4,13	4,79
Sensible cooling capacity	kW	0,71	1,05	1,33	0,79	1,20	1,52	1,26		2,04	1,33		2,18	1,59		2,67	1,69	2,30		1,94	2,73	3,18	_	2,98	
Water flow rate system side	I/h	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	6	12	18	8	17	25	8	13	18	11	18	25	10	17	24	9	15	22	13	23	29	12	22	28
Fan	NI a	- 0	- 12	10	0	- 17	23	0	13	10	11	10	23	10	17	24	7	נו		13	23	2)	12		20
Туре	type												Centri	ifunal											_
Fan motor													Inve												
Number	type		1			1			2				iiive	ונכו	2			2			2			2	
	no. m³/h	1//0	220	290	140	220	290	260	350	450	260	350	450	330	460	600	330	460	600	400	600	720	400	600	720
Air flow rate		140			_			_			260			_		600	_			_			400		
Input power	W	5	8	14	5 44	8	14	5	7	13	5	7	13	5	10	18	5	10	18	7	18	34	7	18	38
Signal 0-10V	%	44	68	90	44	68	90	52	70	90	52	70	90	49	68	90	49	68	90	50	74	90	50	74	90
Fan coil sound data (4)	ID/A)	25.0	46.0		25.0	46.0	F1.0	240		40.0	240	44.0	40.0	27.0	44.0	F4.0	27.0	44.0		120	F4.0		12.0		
Sound power level	dB(A)	35,0		51,0		46,0	51,0	_	_	_	34,0	41,0	_	_	44,0	51,0	37,0	_	51,0		51,0	56,0			
Sound pressure	dB(A)	27,0	38,0	43,0	2/,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
Diametre hydraulic ÿttings					_															_					
Main coil	Ø		1/2"			1/2"			3/4"			3/4"		L	3/4"			3/4"			3/4"		L	3/4"	
Power supply																									
Power supply													230V~	~50Hz											
				FCZ	700					FCZI	750					FCZI	900					FCZ	1950		
		1	1		2		3		1			3		1		2				1			2	3	3
		l	_	Λ	Л		Н		L		И		1	L		Λ	1	ŀ	1	l	-	<u> </u>	M		Н
Heating performance 70 °C / 60 °C (1)																									
Heating capacity	kW	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	I/h	71	10	86	60	9	64	7	98	99	91	10	96	94	5	11	71	13	28	98	32	12	264	15	00
Pressure drop system side	kPa	1	7	2	3	2	19	1	10	1	5	1	8	1.	2	1	7	2	2	1	6	2	25	3	33
Heating performance 45 °C / 40 °C (2)																									
Heating capacity																									
	kW	4,0	03	4,	87	5,	47	4,	,50	5,0	60	6,2	20	5,3	35	6,	54	7,	53	5,5	57	7,	17	8,	,50
Water flow rate system side	kW I/h	4,0 69		4,			47 50	_	,50 86	5,i		6,2		5,3 93		6, 11		7,:		5,5 96			17 !45		,50 176
			99		16	9		7			75		79		0		52		07	-	57		145	14	
Water flow rate system side	l/h	69	99	84	16	9	50	7	86	97	75	10	79	93	0	11	52	13	07	96	57	12	145	14	176
Water flow rate system side Pressure drop system side	l/h	69	99 7	84	16 4	9.	50	7	86	97	75 5	10	79 8	93	2	11	52 7	13	07 2	96	57 5	12	145	14	176
Water flow rate system side Pressure drop system side Cooling performance 7 °C/12 °C (3)	I/h kPa	3,9	99 7	2 4,	16 4	5,	50 !9	7	10	97	75 5 34	10	79 8 14	93	2	11	52 7 00	13	07 2 91	96	57 5 77	12 2	245 24	14 3 8,	176 33
Water flow rate system side Pressure drop system side Cooling performance 7 °C / 12 °C (3) Cooling capacity	I/h kPa kW	3,9	99 7 92 99	2 4,	16 4 89 76	9, 2, 5, 4,	50	7 1 4,	.27	97 1 5,	75 5 34 05	10	79 8 14 72	93	22 29 97	11 1 5,	52 7 00 78	13 2 6,	07 2 91 68	96	57 5 77 80	12 2 7,:	245 24 32	14 3 8,0 5,2	476 33 ,60
Water flow rate system side Pressure drop system side Cooling performance 7 °C/12 °C(3) Cooling capacity Sensible cooling capacity	I/h kPa kW kW	3,9 2,9	99 7 92 99 75	4,	89 76	9, 2 5, 4,	50 29 50 30	7, 1 4, 3,	.27 ,20	97 1 5,:	75 5 34 05	10 11 6,7	79 8 14 72 56	93 12 4,2 2,9	0 2 29 97 8	11 1 5,1	52 7 00 78 60	13 2 6,	07 2 91 68 89	96 1 5,7 3,8	57 5 77 80 92	7,; 4,;	245 24 32 87	14 3 8,0 5,7	176 33 .60 .78
Water flow rate system side Pressure drop system side Cooling performance 7 °C / 12 °C (3) Cooling capacity Sensible cooling capacity Water flow rate system side	I/h kPa kW kW	3,9 3,9 2,9 67	99 7 92 99 75	4,1	89 76	9, 2 5, 4,	50 29 50 30 46	7, 1 4, 3,	,27 ,20	97 1 5,: 4,1	75 5 34 05	6, 4, 10	79 8 14 72 56	93 11 4,2 2,9 73	0 2 29 97 8	5,, 3,, 86	52 7 00 78 60	6,5 5,1	07 2 91 68 89	96 1 5,7 3,4	57 5 77 80 92	7,; 4,;	245 24 32 87 259	8,0 5,7 14	176 33 .60 .78
Water flow rate system side Pressure drop system side Cooling performance 7 °C / 12 °C (3) Cooling capacity Sensible cooling capacity Water flow rate system side Pressure drop system side Fan	I/h kPa kW kW	3,9 3,9 2,9 67	99 7 92 99 75	4,1	89 76	9, 2 5, 4,	50 29 50 30 46	7, 1 4, 3,	,27 ,20	97 1 5,: 4,1	75 5 34 05	6, 4, 10	79 8 14 72 56	93 1. 4,2 2,9 73	0 2 29 97 8	5,, 3,, 86	52 7 00 78 60	6,5 5,1	07 2 91 68 89	96 1 5,7 3,4	57 5 77 80 92	7,; 4,;	245 24 32 87 259	8,0 5,7 14	176 33 .60 .78
Water flow rate system side Pressure drop system side Cooling performance 7 °C / 12 °C (3) Cooling capacity Sensible cooling capacity Water flow rate system side Pressure drop system side	kW kW kW I/h kPa	3,9 3,9 2,9 67	99 7 92 99 75	4,1	89 76	9, 2 5, 4,	50 29 50 30 46	7, 1 4, 3,	,27 ,20	97 1 5,: 4,1	75 5 34 05	6, 4, 10	79 8 14 72 56	93 1,2 4,2 2,9 73 10	0 2 29 97 8	5,, 3,, 86	52 7 00 78 60	6,5 5,1	07 2 91 68 89	96 1 5,7 3,4	57 5 77 80 92	7,: 4,:	245 24 32 87 259	8,0 5,7 14	176 33 .60 .78
Water flow rate system side Pressure drop system side Cooling performance 7 °C / 12 °C (3) Cooling capacity Sensible cooling capacity Water flow rate system side Pressure drop system side Fan Type	kW kW kW I/h	3,9 3,9 2,9 67	99 7 92 99 75	4,i 3,i 8 <sup>2</sup>	89 76	9, 2 5, 4,	50 29 50 30 46	7, 1 4, 3,	,27 ,20	97 1 5,3 4,0 91	75 5 34 05	6, 4, 10	79 8 14 72 56 9	93 1,2 4,2 2,9 73 10	0 2 29 97 8	5,/ 3,: 86	52 7 00 78 60	6,5 5,1	07 2 91 68 89	96 1 5,7 3,4	57 5 77 80 92	7,; 4,; 12 2	245 24 32 87 259	8,0 5,7 14	176 33 .60 .78
Water flow rate system side Pressure drop system side Cooling performance 7 °C / 12 °C (3) Cooling capacity Sensible cooling capacity Water flow rate system side Pressure drop system side Fan Type Fan motor	kW kW I/h kPa type type no.	3,9 3,9 2,9 67	99 7 92 99 75 7	4,i 3,i 8 <sup>2</sup>	16 4 89 76 111 5	9, 2, 5, 4, 9, 3	50 29 50 30 46	7. 1 4, 3, 7	,27 ,20	97 1 5,3 4,0 91	75 5 34 05 18 5	6, 4, 10	79 8 14 72 56 9 Centri	93 1,2 4,2 2,9 73 10	29 27 28 29 29 27	5,/ 3,: 86	52 7 000 78 60 3	6,5 5,1	07 2 91 68 89 2	96 1 5,7 3,4	57 5 77 80 92 5	12 2 7,; 4,; 12 2	245 24 32 87 259 23	8,4 3 8,7 5,7 14	60 .78 .479
Water flow rate system side Pressure drop system side Cooling performance 7 °C / 12 °C (3) Cooling capacity Sensible cooling capacity Water flow rate system side Pressure drop system side Fan Type Fan motor Number Air flow rate	l/h kPa kW kW l/h kPa  type type	69 1 3,9 2,9 67 1	99 7 92 99 75 7	8 <sup>4</sup> 2 2 4,, 3,, 8 <sup>4</sup> 2 2 93	46 44 4889 776 411 55	9, 2, 5, 4, 9, 3	50 29 50 30 46 60	7, 1 4, 3, 7, 1	,27 ,20 ,34 10	97 1 5,: 4,l 91 1	75 5 34 05 18 5	100 11 6,7 4,7 10 11	79 8 14 72 56 9 Centri Inve	93 1. 4,2 2,9 73 10 ifugal	29 27 88 00	5,/ 3,/ 86 1	52 7 00 78 60 3	6,5 5,1 11	07 2 91 68 89 2	96 1 5,; 3,4 99 1	57 5 777 80 92 55	12 2 7,; 4,4 12 2	2.45 2.4 32 87 2.59 2.3	14 3 8,4 5,7 14 3	176 33 .60 .78
Water flow rate system side Pressure drop system side Cooling performance 7 °C / 12 °C (3) Cooling capacity Sensible cooling capacity Water flow rate system side Pressure drop system side Fan Type Fan motor Number Air flow rate Input power	kW kW l/h kPa type no. m³/h W	699 1 1 3,3,3,3,3,2,9,6,7,6,7,7,0,7,0,7,0,7,0,7,0,7,0,7,0,7,0	99 7 7 99 99 99 75 7	4,4,4,3,3,4,4,4,4,4,4,4,4,4,4,4,4,4,4,4	889 776 111 11 15 15	9,9 2,2 5,7 4,7 9,9 3,3	50 29 50 30 46 30	77 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	,27 ,20 ,34 ,10	97 1 5,: 4,0 91 1	75 5 34 38 8 3 8 0 0	10 1, 6, 4,; 10 11 8	779 88 114 172 556 99 Centri Inve	93 12 4,2 2,9 73 10 ifugal erter	0 2 29 99 88 0	111 1 1 5,,3 3,3,3 3,3,3 866 866 876 876 876 876 876 876 876 876 876	552 77 000 000 000 33 33	133 2 6,6,5,5,111 2 2 111 8	07 2 91 668 889 2 2	96 1 5,7 3,4 99 1 1	777 777 77880 80 80 92 55	12 2 7, 4,4 12 2 93 4	32 87 259 23 33 30 40	14 3 8,4 5,7 14 3	60 60 778 779 80
Water flow rate system side Pressure drop system side Cooling performance 7 °C / 12 °C (3) Cooling capacity Sensible cooling capacity Water flow rate system side Pressure drop system side Fan Type Fan motor Number Air flow rate Input power Signal 0-10V	kW kW I/h kPa type no. m³/h	69 1 3,9 2,9 67 1	99 7 7 99 99 99 75 7	8 <sup>4</sup> 2 2 4,, 3,, 8 <sup>4</sup> 2 2 93	889 776 111 11 15 15	9,9 2,2 5,7 4,7 9,9 3,3	50 29 50 30 46 30	77 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	,27 ,20 ,34 10	97 1 5,: 4,l 91 1	75 5 34 38 8 3 8 0 0	10 1, 6, 4,, 10 1,	779 88 114 172 556 99 Centri Inve	93 12 4,2 2,9 73 10 ifugal erter	0 2 29 99 88 0	5,/ 3,/ 86 1	552 77 000 000 000 33 33	13 2 6,5 5,1 11 2	07 2 91 668 889 2 2	96 1 5,; 3,4 99 1	777 777 77880 80 80 92 55	12 2 7, 4,4 12 2 93 4	245 24 32 87 259 23 3 3	14 3 8,4 5,7 14 3	176 33 .60 .78 179 30
Water flow rate system side Pressure drop system side Cooling performance 7 °C / 12 °C (3) Cooling capacity Sensible cooling capacity Water flow rate system side Pressure drop system side Fan Type Fan motor Number Air flow rate Input power Signal 0-10V Fan coil sound data (4)	kW kW l/h kPa type type no. m³/h W %	699 1 1 3,9,9 2,9,1 677 1 1 70 3 3 5	77 77 992 999 75 77 70 00 0	8 <sup>4</sup> 2 2 4,4,4,4 3,4 8 4 4 4 4 7 7	889 776 141 55 3 3 0 0	99.22 55,4,4,99.33	550 550 330 446 500	7, 1, 3, 7, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	86 10 ,,27 ,,20 ,334 110	977 1 1 5,-4,4,4,91 1 1 1 1 2 3 3 4 4 7	775 5 5 5 18 8 5 5 5 7 7 8 8 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10 10 10 10 10 10 10 10 10 10 10 10 10 1	779 8 8 Centric Invector	933 1: 4,2,9 73 10 10 11 10 10 10 10 10 10 10 10 10 10	0 2 2 9 9 77 8 8 0 0	111 1 5,,3 3,,3 866 1 1 3 93 4 4 7	52 77 7000 600 600 600 600 600	133 2 6,6,5,7 111 2 2 111 8 9	07 2 2 91 668 889 2 2 40 0	966 11 5,3,4 999 1	55 55 55 55 55 55 55 55 50 66	122 2 7,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	32 87 159 33 33 33 30 60	144 3 8,6 5,7 14 3 111 8 9	33 33 660 7,78 30 30
Water flow rate system side Pressure drop system side Cooling performance 7 °C / 12 °C (3) Cooling capacity Sensible cooling capacity Water flow rate system side Pressure drop system side Fan Type Fan motor Number Air flow rate Input power Signal 0-10V Fan coil sound data (4) Sound power level	kW kW I/h kPa type type no. m³/h W %	699 1 1 3,9,9 677 1 1 707 3 3 5 50	999 77 992 999 975 77 7000 00 00	844 2 2 4,4,3,3,3,4 2 2 2 3 3 4 4 7 7	389 389 380 00 22	99.55,75,4,4,99.33.33.33.33.33.33.33.33.33.33.33.33.3	550 550 330 446 600	77 11 4,, 3,, 77 11 11 3 5 5	86 10 27 27 27 20 33 4 10 6 6 6	977 1 1 5,, 4,4,4,4,4,4,4,4,4,4,4,4,4,4,4,4,4,4	775 55 55 56 57 57 57 57 57 57 57 57 57 57 57 57 57	10 10 11 11 11 11 11 11 11 11 11 11 11 1	779 88 144 1772 556 99 Centri Inve	933 1: 4,2,9 73 11 ifugal rerter 70 31 51	0 0 2 2 9 9 77 8 8 0 0 0 0 5 6	111 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	552 77 7000 778 600 33 800 00 22	133 2 2 6,6,7 5,7 111 2 2 111 8 8 9 622 622	07 2 2 91 91 668 889 2 2 40 0 0	969 969 1 1 5,3 4,4 5 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1	55 55 56 57 77 77 880 92 92 55 90 90 90 90 90 90 90 90 90 90 90 90 90	122 2 7,7,4,4,4,4,4,12 2 2 3 3 3 3 4 4 7 7 57	32 87 159 33 33 33 30 10 72	144 3 8,65,5,7 144 3 111 8 8 9	33 33 36 36 36 37 38 38 38 38 38 38 38 38 38 38 38 38 38
Water flow rate system side Pressure drop system side Cooling performance 7 °C / 12 °C (3) Cooling capacity Sensible cooling capacity Water flow rate system side Pressure drop system side Fan Type Fan motor Number Air flow rate Input power Signal 0-10V Fan coil sound data (4) Sound power level Sound pressure	kW kW l/h kPa type type no. m³/h W %	699 1 1 3,9,9 2,9,1 677 1 1 70 3 3 5	999 77 992 999 975 77 7000 00 00	8 <sup>4</sup> 2 2 4,4,4,4 3,4 8 4 4 4 4 7 7	389 389 380 00 22	99.55,75,4,4,99.33.33.33.33.33.33.33.33.33.33.33.33.3	550 550 330 446 500	77 11 4,, 3,, 77 11 11 3 5 5	86 10 ,,27 ,,20 ,334 110	977 1 1 5,-4,4,4,91 1 1 1 1 2 3 3 4 4 7	775 55 55 5334 55 55 83 80 00 22	10 10 10 10 10 10 10 10 10 10 10 10 10 1	779 88 144 1772 556 99 Centri Inve	933 1: 4,2,9 73 10 10 11 10 10 10 10 10 10 10 10 10 10	0 0 2 2 9 9 77 8 8 0 0 0 0 5 6	111 1 5,,3 3,,3 866 1 1	552 77 7000 778 600 33 800 00 22	133 2 2 6,6,7 5,7 111 2 2 111 8 8 9 622 622	07 2 2 91 668 889 2 2 40 0	966 11 5,3,4 999 1	55 55 56 57 77 77 880 92 92 55 90 90 90 90 90 90 90 90 90 90 90 90 90	122 2 7,7,4,4,4,4,4,12 2 2 3 3 3 3 4 4 7 7 57	32 87 159 33 33 33 30 60	144 3 8,65,5,7 144 3 111 8 8 9	33 33 660 7,78 30 30
Water flow rate system side Pressure drop system side Cooling performance 7 °C / 12 °C (3) Cooling capacity Sensible cooling capacity Water flow rate system side Pressure drop system side Fan Type Fan motor Number Air flow rate Input power Signal 0-10V Fan coil sound data (4) Sound power level Sound pressure Diametre hydraulic ÿttings	kW kW I/h kPa type type no. m³/h W % dB(A) dB(A)	699 1 1 3,9,9 677 1 1 707 3 3 5 50	999 77 992 999 975 77 7000 00 00	844 2 2 4,4,3,3,3,4 2 2 2 3 3 4 4 7 7	389 389 380 00 22	99.55,75,4,4,99.33.33.33.33.33.33.33.33.33.33.33.33.3	550 550 330 446 600	77 11 4,, 3,, 77 11 11 3 5 5	86 10 27 27 27 20 33 4 10 6 6 6	977 1 1 5,, 4,4,4,4,4,4,4,4,4,4,4,4,4,4,4,4,4,4	775 55 55 5334 55 55 83 80 00 22	10 10 11 11 11 11 11 11 11 11 11 11 11 1	779 88 114 14 172 100 100 100 100 100 100 100 10	93 1: 4,2 2,9 73 11 11 11 11 11 11 11 11 11 11 11 11 11	0 0 2 2 9 9 77 8 8 0 0 0 0 5 6	111 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	552 77 7000 778 600 33 800 00 22	133 2 2 6,6,7 5,7 111 2 2 111 8 8 9 622 622	07 2 2 91 91 668 889 2 2 40 0 0	969 969 1 1 5,3 4,4 5 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1	55 55 56 57 77 77 880 92 92 55 90 90 90 90 90 90 90 90 90 90 90 90 90	122 2 7,7,4,4,4,4,4,4,12 2 2 3 3 3 3 4 4 7 7 577	32 87 159 33 33 33 30 10 72	144 3 8,65,5,7 144 3 111 8 8 9	33 33 36 36 36 37 38 38 38 38 38 38 38 38 38 38 38 38 38
Water flow rate system side Pressure drop system side Cooling performance 7 °C / 12 °C (3) Cooling capacity Sensible cooling capacity Water flow rate system side Pressure drop system side Fan Type Fan motor Number Air flow rate Input power Signal 0-10V Fan coil sound data (4) Sound power level Sound pressure Diametre hydraulic ÿttings Main coil	kW kW I/h kPa type type no. m³/h W %	699 1 1 3,9,9 677 1 1 707 3 3 5 50	999 77 992 999 975 77 7000 00 00	844 2 2 4,4,3,3,3,4 2 2 2 3 3 4 4 7 7	389 389 380 00 22	99.55,75,4,4,99.33.33.33.33.33.33.33.33.33.33.33.33.3	550 550 330 446 600	77 11 4,, 3,, 77 11 11 3 5 5	86 10 27 27 27 20 33 4 10 6 6 6	977 1 1 5,, 4,4,4,4,4,4,4,4,4,4,4,4,4,4,4,4,4,4	775 55 55 5334 55 55 83 80 00 22	10 10 11 11 11 11 11 11 11 11 11 11 11 1	779 88 144 1772 556 99 Centri Inve	93 1: 4,2 2,9 73 11 11 11 11 11 11 11 11 11 11 11 11 11	0 0 2 2 9 9 77 8 8 0 0 0 0 5 6	111 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	552 77 7000 778 600 33 800 00 22	133 2 2 6,6,7 5,7 111 2 2 111 8 8 9 622 622	07 2 2 91 91 668 889 2 2 40 0 0	969 969 1 1 5,3 4,4 5 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1	55 55 56 57 77 77 880 92 92 55 90 90 90 90 90 90 90 90 90 90 90 90 90	122 2 7,7,4,4,4,4,4,4,12 2 2 3 3 3 3 4 4 7 7 577	32 87 159 33 33 33 30 10 72	144 3 8,65,5,7 144 3 111 8 8 9	33 33 36 36 36 37 38 38 38 38 38 38 38 38 38 38 38 38 38
Water flow rate system side Pressure drop system side Cooling performance 7 °C / 12 °C (3) Cooling capacity Sensible cooling capacity Water flow rate system side Pressure drop system side Fan Type Fan motor Number Air flow rate Input power Signal 0-10V Fan coil sound data (4) Sound power level Sound pressure Diametre hydraulic ÿttings	kW kW I/h kPa type type no. m³/h W % dB(A) dB(A)	699 1 1 3,9,9 677 1 1 707 3 3 5 50	999 77 992 999 975 77 7000 00 00	844 2 2 4,4,3,3,3,4 2 2 2 3 3 4 4 7 7	389 389 380 00 22	99.55,75,4,4,99.33.33.33.33.33.33.33.33.33.33.33.33.3	550 550 330 446 600	77 11 4,, 3,, 77 11 11 3 5 5	86 10 27 27 27 20 33 4 10 6 6 6	977 1 1 5,, 4,4,4,4,4,4,4,4,4,4,4,4,4,4,4,4,4,4	775 55 55 5334 55 55 83 80 00 22	10 10 11 11 11 11 11 11 11 11 11 11 11 1	779 88 114 772 556 99 Centric Inve	93 1: 4,2 2,9 73 11 11 11 11 11 11 11 11 11 11 11 11 11	0 0 2 2 9 9 77 8 8 0 0 0 0 5 6	111 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	552 77 7000 778 600 33 800 00 22	133 2 2 6,6,7 5,7 111 2 2 111 8 8 9 622 622	07 2 2 91 91 668 889 2 2 40 0 0	969 969 1 1 5,3 4,4 5 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1	55 55 56 57 77 77 880 92 92 55 90 90 90 90 90 90 90 90 90 90 90 90 90	122 2 7,7,4,4,4,4,4,12 2 2 3 3 3 3 4 4 7 7 57	32 87 159 33 33 33 30 100	144 3 8,65,5,7 144 3 111 8 8 9	33 33 36 36 36 37 38 38 38 38 38 38 38 38 38 38 38 38 38

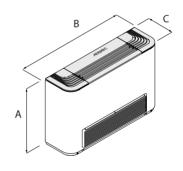
<sup>(1)</sup> Room air temperature 20 °C d.b.; Water (in/out) 70 °C/60 °C
(2) Room air temperature 20 °C d.b.; Water (in/out) 45 °C/40 °C; EUROVENT
(3) Room air temperature 27 °C d.b./19 °C w.b.; Water (in/out) 7 °C/12 °C; EUROVENT
(4) Aermec determines the sound power value on the basis of measurements taken in accordance with standard UNI EN 16583:15, respecting the Eurovent certification.

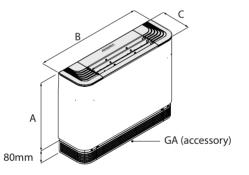
# Technical data - 4-pipe systems (main coil + secondary coil)

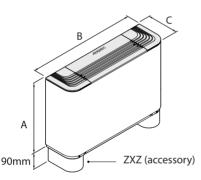
			FCZI201			FCZI301			FCZI401			FCZI501			FCZI701			FCZI901	
		1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
		L	М	Н	L	М	Н	L	М	Н	L	М	Н	L	М	Н	L	М	Н
Heating performance 65 °C / 55 °C (1)																			
Heating capacity	kW	1,02	1,35	1,60	1,80	2,18	2,56	2,21	2,65	3,12	2,59	3,34	3,73	3,66	4,29	4,94	4,73	5,63	5,72
Water flow rate system side	l/h	89	118	140	158	191	224	186	232	273	227	293	327	320	375	437	414	492	501
Pressure drop system side	kPa	5	8	11	17	23	31	5	7	9	6	9	11	11	15	19	9	12	12
Cooling performance 7 °C / 12 °C (2)																			
Cooling capacity	kW	0,89	1,28	1,60	1,68	2,17	2,65	2,20	2,92	3,60	2,68	3,69	4,25	3,92	4,89	5,50	4,29	5,00	6,91
Sensible cooling capacity	kW	0,71	1,05	1,33	1,26	1,65	2,04	1,59	2,14	2,67	1,94	2,73	3,18	2,99	3,76	4,30	2,97	3,78	5,68
Water flow rate system side	l/h	153	221	275	289	374	456	379	503	619	461	635	731	675	841	946	738	860	1188
Pressure drop system side	kPa	7	13	18	8	13	18	14	24	34	13	23	29	17	25	30	10	15	10
Fan																			
Туре	type									Centr	ifugal								
Fan motor	type									Inve	erter								
Number	no.		1			2			2			2			3			3	
Air flow rate	m³/h	140	220	290	260	350	450	330	460	600	400	600	720	700	930	1140	700	930	1140
Sound pressure level (10 m)	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
Diametre hydraulic ÿ ttings																			
Туре	type										-								
Main coil	Ø		1/2"			3/4"			3/4"			3/4"			3/4"			3/4"	
Fan																			
Input power	W	7	8	14	5	7	13	5	10	18	7	16	31	30	40	80	30	40	80
Signal 0-10V	%	44	68	90	52	70	90	49	68	90	50	74	90	56	72	90	56	72	90
Power supply																			
Power supply										230V	~50Hz								

<sup>(1)</sup> Room air temperature 20°C d.b.; Water (in/out) 65 °C/55 °C; EUROVENT (2) Room air temperature 27°C d.b./19°C w.b.; Water (in/out) 7 °C/12 °C; EUROVENT

# **DIMENSIONS**







#### 2-nino

z-pipe																																				
		FCZ	1200	Т	FCZ12	50	F	CZ1300	)	F	CZI35	0	I	CZI4	00	П	CZI4:	0	F	CZI50	00	П	CZ15:	50	F	CZI7	00	П	CZ175	50	F	CZ190	0	F	CZ195	0
		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	1	2	3
		L I	M H	ī	. M	Н	L	М	Н	L	М	Н	L	М	Н	L	М	Н	L	М	Н	L	М	Н	L	М	Н	L	М	Н	L	М	Н	L	М	Н
Dimensions and	weights																																			
A	mm	4	86		486			486			486			486			486			486			486			486			486			591			591	
В	mm	7.	50		750			980			980			1200	)		1200			1200	)		1200	)		1320	)		1320	)		1320			1320	_
C	mm	2	20		220			220			220			220			220			220			220			220			220			220			220	
D	mm	5	76		576			576			576			576	i		576			576			576			576			576			681			681	
Empty weight	kg	1	5		16			17			18			22			24			22			24			29			31			34			34	

#### 4-pipe

		,	FCZI201			FCZI301			FCZI401			FCZI501			FCZI701			FCZI901	
		1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
		L	М	Н	L	М	Н	L	M	Н	L	М	Н	L	М	Н	L	М	Н
Dimensions and	weights				•						•			•					
A	mm		486			486			486			486			486			591	
В	mm		750			980			1200			1200			1320			1320	
C	mm		220			220			220			220			220			220	
D	mm		576			576			576			576			576			681	
Empty weight	kg		15			17			23			23			30			34	

 $\label{lem:continuous} \mbox{Aermec reserves the right to make any modifications deemed necessary.}$ All data is subject to change without notice. Aermec does not assume responsibility or liability for errors or omissions.

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# FCZ-D

# Fan coil for universal and floor installation

Cooling capacity 0,89 ÷ 4,25 kW Heating capacity 2,02 ÷ 8,50 kW



- Fully silent operation
- Backlit touch command with programming via a smart device
- · Total comfort in every season





## **DESCRIPTION**

The perception of uneven temperature distribution in various settings, especially in the vertical direction, is one of the main factors leading to a drastic reduction in the well-being perceived by occupants.

FCZ D are able to provide a pleasant sensation of comfort by directing the air in a way that ensures uniform temperature distribution throughout the setting.

In winter, hot air is direct downwards; in summer, cool air is directed upwards.

Air supply switching at the front or from the top by operating directly on the orientable grille.

They can be installed in any type of 2 / 4 pipe system and in combination with any heat generator even at low temperatures. Thanks to the availability of several versions and configurations, it is easy to choose the optimal solution for every requirement.

#### FFATURES

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

#### Case

Protective metal cabinet with anti-corrosion polyester RAL 9003 paint, whereas the head with the air distribution grille is in RAL 7044 plastic.

# **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 fins, the main coil 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.

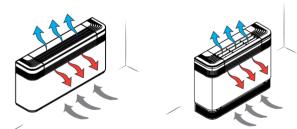
The hydraulic connections can be inverted during installation.

#### **Condensate drip**

#### Air filter

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

#### **VERSION WITH DOUBLE SUPPLY**



#### FCZ D

With on-board thermostat.

#### FCZ DS

- Compatibility with VMF system.
- Without installed switch

#### **ThermApp**

In units DS version with a **T-Touch-I** electronic thermostat (accessory) and the **ThermApp** application, the operating mode can be set and the weekly timer programmed by simply resting the smart device on the fan coil. The graphic interface of the app also gives access to a lot more information such as the alarm list, the closest SAT, etc.

Available for Android operating systems.



#### **GUIDE TO SELECTING THE POSSIBLE CONFIGURATIONS**

Field	Description
1,2,3	FCZ
4	<b>Size</b> 2, 3, 4, 5
5	Main coil
0	Standard
6	Secondary coil
0	Without coil
7	Version
D	Dualjet with thermostat TXB on-board the system
DS	Dualjet without on-board thermostat

#### **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.

PRO503: Wall box for AER503IR and VMF-E4 thermostats.

**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.

**T-TOUCH:** Touch control on board the machine, for controlling fan coils with asynchronous motors. In 2-pipe systems, it can control standard fan coils or those equipped with an electric heater, with air purifying devices or with FCZ-D twin delivery (Dualjet). In 4-pipe systems, only standard fan coils. The ThermApp application is also available for remote control with smart devices with the Android operating system.

**TX:** Wall-mounting thermostat for controlling either brushless fan coils or those with asynchronous motors. 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-EOX:** Thermostat to be secured to the side of the fan coil, fitted as standard with an air probe and a water probe.

VMF-E19: Thermostat to be secured to the side of the fan coil, fitted as standard with an air probe and a water probe.

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 PAN-TONE COOL GRAY 1C.

VMF-IO: Manage the unit exclusively from a centralized VMF control panel without area control panel.

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

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.

**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.

VDP: Combined adjustment and balancing valve, for 2 and 4 pipe systems to be installed outside the unit. It is comprised of a valve body without nipples with Ø 3/4'M water connections, a 230 V powered actuator with On-Off function and a 5 m power supply cable. The valve is supplied without connections or hydraulic components.

#### **Installation accessories**

**PCZ:** Sheet metal panel closing the rear of the unit.

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.

# **ACCESSORIES COMPATIBILITY**

#### Control nanels

doning or punion					
Model	Ver	200	300	400	500
AER503IR (1)	DS	•	•	•	•
PR0503	DS	•	•	•	•
SA5 (2)	DS	•	•	•	•
SW3 (2)	DS	•	•	•	•
SW5 (2)	DS	•	•	•	•
T-TOUCH	DS	•	•	•	•
TX (1)	DS	•	•	•	•

(1) Wall-mount installation.(2) Probe for AER503IR-TX thermostats, if fitted.

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

Model	Ver	200	300	400	500
VMF-E0X (1)	DS	•	•	•	•
VMF-E19	DS	•	•	•	•

Model	Ver	200	300	400	500
VMF-E2Z	DS	•	•	•	•
VMF-E3	DS	•	•	•	•
VMF-E4DX	DS	•	•	•	•
VMF-E4X	DS	•	•	•	•
VMF-IO	DS	•	•	•	•
VMF-IR	DS	•	•	•	•

(1) Also the accessory VMF-SIT3 is mandatory if the unit exceeds 0.7 Amperes.

#### **Water valves**

# 3 way valve kit

Model	Ver	200	300	400	500
VCZ41 (1)	D,DS	•			
VCZ4124 (2)	D,DS	•			
VCZ42 (1)	D,DS		•	•	•
VCZ4224 (2)	D.DS		•	•	•

(1) 230V~50Hz (2) 24V

#### 2 way valve kit

Model	Ver	200	300	400	500
VCZD1 (1)	DS	•			
VCZD124 (2)	DS	•			
VCZD2 (1)	DS		•	•	•
VCZD224 (2)	DS		•	•	•

(1) 230V~50Hz (2) 24V

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

Model	Ver	200	300	400	500
VCZ1X4L (1)	D,DS	•			
VCZ1X4R (1)	D,DS	•			
VCZ2X4L (1)	D,DS		•	•	
VCZ2X4R (1)	D,DS		•	•	•

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

#### **Installation accessories**

### Condensate recirculation device

Model	Ver	200	300	400	500
DSC74 (1)	D.DS		•		•

(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	200	300	400	500
BCZ4 (1)	D,DS	•	•	•	•

(1) For vertical installation.

# Panel closing the rear of the unit

Model	Ver	200	300	400	500
PCZ200	D,DS	•			
PCZ300	D,DS		•		
PCZ500	D,DS			•	•

# Ornamental grille

Model	Ver	200	300	400	500
GA200	D,DS	•			
GA300	D,DS		•		
GA500	D.DS			•	•

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

Model	Ver	200	300	400	500
FIKIT200	D,DS	•			
FIKIT300	D,DS		•		
FIKIT500	D,DS			•	•

# Pair of stylish structural feet

Model	Ver	200	300	400	500
ZXZ	D,DS	•	•	•	•

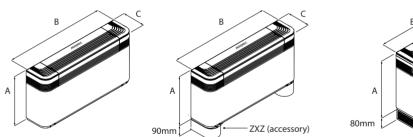
# **PERFORMANCE SPECIFICATIONS**

# 2-pipe

ri.			FCZ200D			FCZ300D			FCZ400D			FCZ500D	
		1	2	3	1	2	3	1	2	3	1	2	3
		L	М	Н	L	М	Н	L	М	Н	L	М	Н
Heating performance 70 °C / 60 °C (1)													
Heating capacity	kW	2,02	2,95	3,70	3,47	4,46	5,50	4,32	5,74	7,15	5,27	7,31	8,50
Water flow rate system side	l/h	177	258	324	304	391	482	379	503	627	462	641	745
Pressure drop system side	kPa	6	12	18	7	12	18	9	16	24	12	21	28
Heating performance 45 °C / 40 °C (2)													
Heating capacity	kW	1,00	1,46	1,84	1,72	2,21	2,73	2,14	2,85	3,55	2,62	3,63	4,22
Water flow rate system side	l/h	174	254	319	299	385	475	373	495	617	455	631	734
Pressure drop system side	kPa	6	12	18	8	12	18	10	16	24	12	21	28
Cooling performance 7 °C / 12 °C (3)													
Cooling capacity	kW	0,89	1,28	1,60	1,68	2,17	2,65	2,20	2,92	3,60	2,68	3,69	4,25
Sensible cooling capacity	kW	0,71	1,05	1,33	1,26	1,65	2,04	1,59	2,14	2,67	1,94	2,73	3,18
Water flow rate system side	l/h	153	221	275	288	374	456	379	503	619	460	634	731
Pressure drop system side	kPa	7	13	18	8	13	18	10	17	24	13	23	29
Fan							,						
Туре	type						Centr	ifugal					
Fan motor	type						Asynch	ronous					
Number	no.		1			2			2			2	
Air flow rate	m³/h	140	220	290	260	350	450	330	460	600	400	600	720
Input power	W	13	25	35	25	33	44	30	43	57	38	52	76
Electrical wiring		V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3
Fan coil sound data (4)													
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
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
Water coil													
Water content main coil	1		0,5			0,8			1,0			1,0	
Diametre hydraulic ÿttings													
Main coil	Ø		1/2"			3/4"			3/4"			3/4"	
Power supply													
Power supply							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) Room air temperature 27 °C d.b./19 °C w.b.; Water (in/out) 7 °C/12 °C; EUROVENT
(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.

# **DIMENSIONS**





		FCZ200D	FCZ300D	FCZ400D	FCZ500D
Dimensions and weights					
A	mm	486	486	486	486
В	mm	750	980	1200	1200
(	mm	220	220	220	220
Empty weight	kg	15	17	23	22

 $\label{lem:continuous} \mbox{Aermec reserves the right to make any modifications deemed necessary.}$ All data is subject to change without notice. Aermec does not assume responsibility or liability for errors or omissions.

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# **FCZI-D**

# Fan coil for universal and floor installation

Cooling capacity 0,89 ÷ 4,25 kW Heating capacity 2,02 ÷ 8,50 kW



- Total comfort in every season
- Electric saving equal to 50% with respect to a fan coil with 3-speed motor
- Fully silent operation
- Backlit Touch command with programming via a smart device (DT vesion)





# **DESCRIPTION**

The perception of uneven temperature distribution in various settings, especially in the vertical direction, is one of the main factors leading to a drastic reduction in the well-being perceived by occupants.

FCZI D are able to provide a pleasant sensation of comfort by directing the air in a way that ensures uniform temperature distribution throughout the setting.

In winter, hot air is direct downwards; in summer, cool air is directed upwards.

Air supply switching at the front or from the top by operating directly on the orientable grille.

They can be installed in any type of 2 / 4 pipe system and in combination with any heat generator even at low temperatures. Thanks to the availability of several versions and configurations, it is easy to choose the optimal solution for every requirement.

#### **FEATURES**

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

#### Case

Protective metal cabinet with anti-corrosion polyester RAL 9003 paint, whereas the head with the air distribution grille is in RAL 7044 plastic.

# **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 main coil 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.

The hydraulic connections can be inverted during installation.

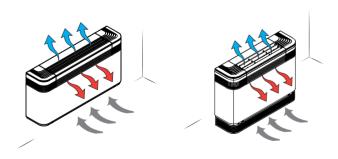
# Condensate drip

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.

#### **VERSION WITH DOUBLE SUPPLY**



## FCZI\_D

With on-board thermostat.

#### FCZI\_DT

— With thermostat T-TOUCH-I on-board the system

#### ThermApp

In units DT version with a **T-Touch-I** electronic thermostat and the **ThermApp** application, the operating mode can be set and the weekly

timer programmed by simply resting the smart device on the fan coil. The graphic interface of the app also gives access to a lot more information such as the alarm list, the closest SAT, etc.

# Available for Android operating systems.



## **GUIDE TO SELECTING THE POSSIBLE CONFIGURATIONS**

Fiel	d	Description
1,2,	3,4	FCZI
5		<b>Size</b> 2, 3, 4, 5
6		Main coil
	0	Standard
7		Secondary coil
	0	Without coil
8		Version
	D	Dualjet with on-board thermostat
	DT	Dualjet with T-Touch-I thermostat (1)

(1) Compatibility with VMF system

#### **ACCESSORIES**

#### 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.

**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.

VDP: Combined adjustment and balancing valve, for 2 and 4 pipe systems to be installed outside the unit. It is comprised of a valve body without nipples with Ø 3/4'M water connections, a 230 V powered actuator with On-Off function and a 5 m power supply cable. The valve is supplied without connections or hydraulic components.

#### **Installation accessories**

**PCZ:** Sheet metal panel closing the rear of the unit.

**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.

ZXZ: Pair of stylish and structural feet

#### **ACCESSORIES COMPATIBILITY**

#### **Water valves**

#### 3 way valve kit

,					
Model	Ver	200	300	400	500
VCZ41 (1)	D,DT	•			
VCZ4124 (2)	D,DT	•			
VCZ42 (1)	D,DT		•	•	•
V(74224 (2)	D.DT		•	•	•

(1) 230V~50Hz

# 2 way valve kit

Model	Ver	200	300	400	500
VCZD1 (1)	D,DT	•			
VCZD124 (2)	D,DT	•			
VCZD2 (1)	D,DT		•	•	•
VCZD224 (2)	D,DT		•	•	•

(1) 230V~50Hz (2) 24V

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

Model	Ver	200	300	400	500
VCZ1X4L (1)	D,DT	•			
VCZ1X4R (1)	D,DT	•			
VCZ2X4L (1)	D,DT		•	•	•
VCZ2X4R (1)	D,DT		•	•	•

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

#### **Installation accessories**

#### Condensate recirculation device

Model	Ver	200	300	400	500
DSCZ4 (1)	D,DT	•	•	•	•

(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

	<u> </u>				
Model	Ver	200	300	400	500
BCZ4 (1)	D,DT	•	•	•	•

(1) For vertical installation.

# Panel closing the rear of the unit

Model	Ver	200	300	400	500
PCZ200	D,DT	•			
PCZ300	D,DT		•		
PCZ500	D.DT			•	•

#### Ornamental grille

Model	Ver	200	300	400	500
GA200	D,DT	•			
GA300	D,DT		•		
GA500	D,DT		-	•	•

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

Model	Ver	200	300	400	500
FIKIT200	D,DT	•			
FIKIT300	D,DT		•		
FIKIT500	D.DT				•

# Pair of stylish structural feet

Model	Ver	200	300	400	500
ZXZ	D,DT	•	•	•	•

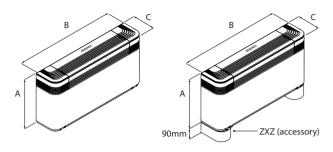
#### **PERFORMANCE SPECIFICATIONS**

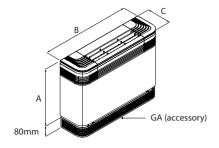
#### 2-pipe

z-hihe			FCZI200D			FCZI300D			FCZI400D			FCZI500D	
		1	2	3	1	2	3	1	2	3	1	2	3
		L	М	Н	L	М	Н	L	М	Н	L	М	Н
Heating performance 70 °C / 60 °C (1)													
Heating capacity	kW	2,02	2,95	3,70	3,47	4,46	5,50	4,32	5,74	7,15	5,27	7,31	8,50
Water flow rate system side	l/h	177	258	324	304	391	482	379	503	627	462	641	745
Pressure drop system side	kPa	6	12	18	7	12	18	9	16	24	12	21	28
Heating performance 45 °C / 40 °C (2)													
Heating capacity	kW	1,00	1,46	1,84	1,72	2,21	2,73	2,14	2,85	3,55	2,62	3,63	4,22
Water flow rate system side	l/h	174	254	319	299	385	475	373	495	617	455	631	734
Pressure drop system side	kPa	6	12	18	8	12	18	10	16	24	12	21	28
Cooling performance 7 °C / 12 °C (3)													
Cooling capacity	kW	0,89	1,28	1,60	1,68	2,17	2,65	2,20	2,92	3,60	2,68	3,69	4,25
Sensible cooling capacity	kW	0,71	1,05	1,33	1,26	1,65	2,04	1,59	2,14	2,67	1,94	2,73	3,18
Water flow rate system side	l/h	153	221	275	288	374	456	379	503	619	460	634	731
Pressure drop system side	kPa	7	13	18	8	13	18	10	17	24	13	23	29
Fan													
Туре	type						Centr	ifugal					
Fan motor	type						Inve	rter					
Number	no.		1			2			2			2	
Air flow rate	m³/h	140	220	290	260	350	450	330	460	600	400	600	720
Input power	W	5	8	14	5	7	13	5	10	18	8	18	34
Signal 0-10V	%	44	68	90	52	70	90	49	68	90	50	74	90
Fan coil sound data (4)													
Sound power level	dB(A)	31,0	43,0	50,0	34,0	41,0	48,0	37,0	44,0	41,0	42,0	51,0	56,0
Sound pressure	dB(A)	23,0	35,0	42,0	26,0	33,0	40,0	29,0	36,0	53,0	34,0	43,0	48,0
Water coil													
Water content main coil	- 1		0,5			0,8			1,0			1,0	
Diametre hydraulic ÿttings													
Main coil	Ø		1/2"			3/4"			3/4"			3/4"	
Power supply													
Power supply							230V~	~50Hz					

<sup>(1)</sup> 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) Room air temperature 27 °C d.b./19 °C w.b.; Water (in/out) 7 °C/12 °C; EUROVENT
(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.

# **DIMENSIONS**





		FCZI200D	FCZI300D	FCZI400D	FCZI500D
Dimensions and weights	•				
A	mm	486	486	486	486
В	mm	750	980	1200	1200
(	mm	220	220	220	220
Empty weight	kg	15	17	23	22

**Aermec S.p.A.**Via Roma, 996 - 37040 Bevilacqua (VR) - Italia Tel. 0442633111 - Telefax 044293577 www.aermec.com





















# FCZ-H

# Fan coil with the photocatalytic device, for universal and floor installation



- Very quiet
- Backlit touch command with programming via a smart device (accessory)
- Total comfort in every season





## **DESCRIPTION**

Fan coil with built-in **photocatalytic device** for air conditioning in places requiring the maximum hygiene, such as:

- Hospitals
- Dentists' surgeries
- Doctors' and vets' surgeries
- Analysis laboratories
- Waiting rooms
- Public premises

They can be installed in any type of 2-pipe system (version for 4-pipe systems available upon request) and in combination with any heat generator, even at low temperatures. Thanks to the availability of several versions and configurations, it's easy to find the right solution for every need

# **VERSIONS**

- H Unit with shell without thermostat vertical and horizontal installation
- HP Unit without shell and without thermostat vertical and horizontal installation. Can also be supplied in a configuration equipped with a boosted asynchronous motor (HPO).
- **HT** Unit with shell and thermostat vertical installation.

#### **FEATURES**

# Case

Metallic protective cabinet with rustproofing polyester paint RAL 9003. The head with adjustable air distribution grille is made of plastic RAL 7047. When the grille closes, the fan coil automatically switches off.

# **Ventilation group**

Comprised of a dual intake centrifugal fan that is particularly silent, statically and dynamically balanced and directly coupled to the motor shaft.

The electric motor is single-phase and asynchronous, mounted on anti-vibration supports, and has a permanently engaged condenser.

The scroll that protects the fan can be extracted and inspected, for easy and effective cleaning.

 Apart from the traditional asynchronous motor, each unit can also be supplied with an inverter (brushless) motor. Refer to the relative FCZI - H datasheet

#### **Heat exchanger coil**

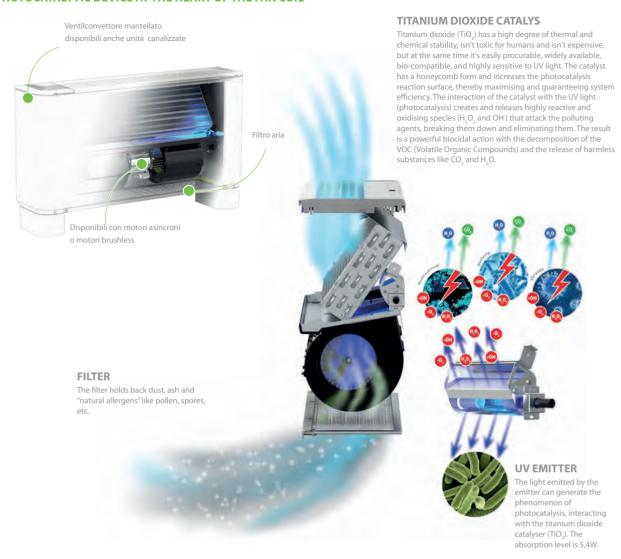
With copper pipes and aluminium fins, the main coil has female gas water connections on the left side and the manifolds have air vents. The coil is not suitable for use in corrosive atmosphere or in environments where aluminium may be subject to corrosion.

The coil is not reversible during installation but, when ordering, you can choose units with the coil water connections on the right (at no extra charge).

#### Air filter

Air filter class **COARSE 25%** for all versions; easy to pull out and clean. Shrouds can be pulled out and inspected for easy and effective cleaning.

#### PHOTOCATALYTIC DEVICE AT THE HEART OF THE FAN COIL



#### **GUIDE TO SELECTING THE POSSIBLE CONFIGURATIONS**

# Configuration options FCZ - H

ield	Description	
1,2,3	FCZ	
1	Size	
•	2, 3, 4, 5, 6, 9	
5	Main coil	
0	Standard	
5	Oversized (1)	
5	Secondary coil	
0	Without coil	
7	Version	
Н	Unit with shell without thermostat - vertical and horizontal mount	
HP	Unit without shell and thermostat - vertical and horizontal mount	
HP0	Unit without shell and thermostat with upgraded motor - vertical and horizontal mount	
HPOR	Unit without shell and thermostat with upgraded motor - vertical and horizontal installation - water connections on the right	
HPR	Unit without shell and thermostat - vertical and horizontal installation - water connections on the right	
HR	Unit with shell without thermostat - vertical and horizontal installation - water connections on the right	
HT	Unit with shell with thermostat - vertical mount	
HTR	Unit with shell with thermostat - vertical mount - water connections on the right	

(1) Only for sizes 9

#### **ACCESSORIES**

#### Control panels and dedicated accessories - FCZ-H

**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.

PRO503: Wall box for AER503IR and VMF-E4 thermostats.

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

SIT3: Thermostat Interface Card allowing the creation of a network of fan coils (max. 10) commanded by a central control panel (selector or thermostat). Commands the 3 fan speeds and must be installed on each fan coil within the network; receives the commands from the selector or the SIT5 card

SIT5: Thermostat Interface Card allowing the creation of a network of fan coils (max. 10) commanded by a central control panel. Commands the 3 fan speeds and up to 2 valves (four pipe systems); sends the thermostat's commands to the fan coil network.

**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.

**T-TOUCH:** Touch control on board the machine, for controlling fan coils with asynchronous motors. In 2-pipe systems, it can control standard fan coils or those equipped with an electric heater, with air purifying devices or with FCZ-D twin delivery (Dualjet). In 4-pipe systems, only standard fan coils. The ThermApp application is also available for remote control with smart devices with the Android operating system.

**TX:** Wall-mounting thermostat for controlling either brushless fan coils or those with asynchronous motors. 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).

TXB: Wall-mounting thermostat for controlling either brushless fan coils or those with asynchronous motors. 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-EOX: Thermostat to be secured to the side of the fan coil, fitted as standard with an air probe and a water probe.

VMF-E19: Thermostat to be secured to the side of the fan coil, fitted as standard with an air probe and a water probe.

VMF-E2Z: User interface on the machine, to be combined with the VMF-E0X, VMF-E19 or VMF-E19l 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 PAN-TONE COOL GRAY 1C.

VMF-IO: Manage the unit exclusively from a centralized VMF control panel without area control panel.

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.

VMF-LON: Expansion allowing the thermostat to interface with BMS systems that use the LON protocol.

VMF-SIT3: Interface card that permits connecting the VMF-E19 thermostats to a fan coil with a high power motor.

VMF-SW: Water temperature probe.

#### **Common accessories**

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.

**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.

VCFD: 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.

VCF41 - 42 - 43 - for main coil: 3-way motorised valve kit for the main 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.

**VJP:** Control and balancing combination valve for 2 and 4 pipe systems to install outside the unit.

**AMP:** Wall mounting kit

**DSC:** Condensate drainage device.

BCZ: Condensate drip.

**PCZ:** Sheet metal panel closing the rear of the unit.

**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.

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

BC: Condensate drip.

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

# **ACCESSORIES COMPATIBILITY**

#### Control panels and dedicated accessories - FCZ-H

Model	Ver	200	300	400	500	600	900	950
AER503IR (1)	H,HP	•	•	•	•	•	•	•
PR0503	H,HP	•	•	•	•	•	•	•
SA5 (2)	H,HP,HT	•	•	•	•	•	•	•
SIT3 (3)	H,HP,HT	•	•	•	•	•	•	•
SIT5 (4)	H,HP,HT	•	•	•	•	•	•	•
SW3 (2)	H,HP,HT	•	•	•	•	•	•	•
SW5 (2)	H,HP,HT	•	•	•	•	•	•	•
T-TOUCH	Н	•	•	•	•	•	•	•
TX (1)	H,HP		•	•	•	•	•	
TXB (5)	Н			•	•			

- (1) Wall-mount installation
- (2) Probe for AER503IR-TX thermostats, if fitted.
- (3) Cards for AER503IR-TX thermostats, if present, to be installed if the unit absorption exceeds 0,7 Ampere. (4) Probe for AER503IR-TX thermostats, if fitted.
- (5) Installation on the fan coil.

Model	Ver	200	300	400	500	600	900	950
VMF-E0X (1)	H,HP	•	•	•	•	•	•	•
VMF-E19	H,HP	•	•	•	•	•	•	•
VMF-E2Z	Н	•	•		•	•	•	
VMF-E3	H,HP	•	•	•	•	•	•	•
VMF-E4DX	H,HP	•	•	•	•	•	•	
VMF-E4X	H,HP	•	•	•	•	•	•	•
VMF-IO	H,HP	•	•	•	•	•	•	•
VMF-IR	H,HP	•	•	•		•		
VMF-LON	H,HP	•	•	•	•	•	•	•
VMF-SIT3 (2)	H,HP	•	•	•		•		
VMF-SW	H,HP	•		•		•		•

# **Common accessories**

# 3 way valve kit

Model	Ver	200	300	400	500	600	900	950
VCZ41 (1)	H,HP,HT	•						
VCZ4124 (2)	H,HP,HT	•						
VCZ42 (1)	H,HP,HT		•	•	•	•		
VCZ4224 (2)	H,HP,HT		•	•	•	•		
VCZ43 (1)	H,HP,HT						•	
VCZ4324 (2)	H,HP,HT						•	•

<sup>(1) 230</sup>V~50Hz (2) 24V

# 2 way valve kit

Model	Ver	200	300	400	500	600	900	950
VCZD1 (1)	H,HP,HT	•						
VCZD124 (2)	H,HP,HT	•						
VCZD2 (1)	H,HP,HT		•	•	•	•		
VCZD224 (2)	H,HP,HT		•	•	•	•		
VCZD3 (1)	H,HP,HT						•	•
VCZD324 (2)	H,HP,HT						•	•

<sup>(1) 230</sup>V~50Hz (2) 24V

# Combined Adjustment and Balancing Valve Kit

Model	Ver	200	300	400	500	600	900	950
VJP060 (1)	H,HP,HT	•	•					
VJP060M (2)	H,HP,HT	•	•					
VJP090 (1)	H,HP,HT			•	•	•		
VJP090M (2)	H,HP,HT			•	•	•		
VJP150 (1)	H,HP,HT						•	•
VJP150M (2)	H,HP,HT							•

<sup>(1) 230</sup>V~50Hz (2) 24V

# Wall mounting kit

HP AMP20 AMP20 AMP20 AMP20 AMP20 AMP20 AMP20 AMP20	950	900	600	500	400	300	200	Ver
	AMP20		AMP20	AMP20				HP

# Condensate drainage

Model	Ver	200	300	400	500	600	900	950
DSC4 (1)	HP		•	•	•	•	•	•

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

## Condensate drip

ver	200	300	400	300	000	900	930
HP	BCZ4 (1), BCZ5 (2)	BCZ6 (2)	BCZ6 (2)				
<ul><li>(1) For vertical installation.</li><li>(2) For horizontal installation.</li></ul>							
Ver	200	300	400	500	600	900	950
HP	BC8 (1)	BC9 (1)	BC9 (1)				

# (1) For horizontal installation.

# Panel closing the rear of the unit

Ver	200	300	400	500	600	900	950
н,нр,нт	PCZ200	PCZ300	PCZ500	PCZ500	PCZ800	PCZ1000	PCZ1000

<sup>(1)</sup> Also the accessory VMF-SIT3 is mandatory if the unit exceeds 0.7 Amperes.
(2) For the selection, consult the documentation for the thermostat and the fan coil.

# Grille also applicable for floor installation

Ver	200	200	400	F00	<b>/00</b>	000	050
Ver	200	300	400	500	600	900	950
H,HP,HT	GA200	GA300	GA500	GA500	GA800	GA800	GA800
letal supports for GA gril	lle						
Ver	200	300	400	500	600	900	950
H,HP,HT	FIKIT200	FIKIT300	FIKIT500	FIKIT500	FIKIT800	FIKIT800	FIKIT800
<i>Yentilcassaforma</i> Ver	200	300	400	500	600	900	950
HP	CHF22	CHF32	CHF42	CHF42	CHF62	CHF62	CHF62
air of stylish structural fe	eet						
Ver	200	300	400	500	600	900	950
H,HP,HT	ZXZ	ZXZ	ZXZ	ZXZ	ZXZ	ZXZ	ZXZ

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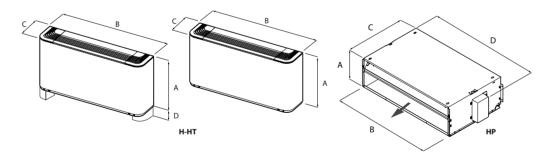
#### **PERFORMANCE SPECIFICATIONS**

#### 2-pipe

		F	CZ2001	H	ı	FCZ300	Н	ı	FCZ400I	Н		FCZ500I	1	I	CZ600	H		FCZ900I	Н	F	CZ9501	1
		1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
		L	М	Н	L	М	Н	L	М	Н	L	М	Н	L	М	Н	L	М	Н	L	М	Н
Heating performance 70 °C / 60 °C (1)																						
Heating capacity	kW	2,02	2,95	3,70	3,47	4,46	5,50	4,32	5,74	7,15	5,27	7,31	8,50	6,50	8,10	10,00	10,77	13,35	15,14	11,20	14,42	17,10
Water flow rate system side	l/h	177	258	324	304	391	482	379	503	627	462	641	745	570	710	877	945	1171	1328	982	1264	1500
Pressure drop system side	kPa	6	12	18	7	12	18	9	16	24	12	21	28	12	18	26	12	17	22	16	25	33
Heating performance 45 °C / 40 °C (2)																						
Heating capacity	kW	1,00	1,46	1,84	1,72	2,21	2,73	2,14	2,85	3,55	2,62	3,63	4,22	3,32	4,03	4,97	5,35	6,64	7,53	5,57	7,17	8,50
Water flow rate system side	I/h	174	254	319	299	385	475	373	495	617	455	631	734	561	699	863	930	1152	1307	967	1245	1476
Pressure drop system side	kPa	6	12	18	8	12	18	10	16	24	12	21	28	12	18	26	12	17	22	15	24	33
Cooling performance 7 °C / 12 °C (3)																						
Cooling capacity	kW	0,89	1,28	1,60	1,68	2,17	2,65	2,20	2,92	3,60	2,68	3,69	4,25	3,22	3,90	4,65	4,29	5,00	6,91	5,77	7,32	8,60
Sensible cooling capacity	kW	0,71	1,05	1,33	1,26	1,65	2,04	1,59	2,14	2,67	1,94	2,73	3,18	2,56	3,17	3,92	2,97	3,78	5,68	3,80	4,87	5,78
Water flow rate system side	I/h	153	221	275	288	374	456	379	503	619	460	634	731	554	671	800	738	860	1189	992	1259	1479
Pressure drop system side	kPa	7	13	18	8	13	18	10	17	24	13	23	29	14	19	26	10	13	22	15	23	30
Fan																						
Туре	type										(	entrifug	al									
Fan motor	type										As	ynchron	ous									
Number	no.		1			2			2			2			3			3			3	
Air flow rate	m³/h	140	220	290	260	350	450	330	460	600	400	600	720	520	720	900	700	930	1140	700	930	1140
Input power	W	25	29	33	25	33	44	30	43	57	38	52	76	38	60	91	59	80	106	59	80	106
Electrical wiring		V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3
Diametre hydraulic ÿttings																						
Туре	type											Gas - F										
Main coil	Ø		1/2"			3/4"			3/4"			3/4"			3/4"			3/4"			3/4"	
Fan coil sound data (4)																						
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	42,0	51,0	57,0	51,0	57,0	62,0	51,0	57,0	61,0
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	34,0	43,0	49,0	43,0	49,0	54,0	43,0	49,0	53,0
Power supply																						
Power supply											2:	30V~50	Hz									

- (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) Room air temperature 27 °C d.b./19 °C w.b.; Water (in/out) 7 °C/12 °C; EUROVENT
  (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.

#### **DIMENSIONS**



Size			200	300	400	500	600	900	950
Dimensions and weights									
<u> </u>	H,HT	mm	486	486	486	486	486	591	591
A	HP	mm	216	216	216	216	216	216	216
D	H,HT	mm	750	980	1200	1200	1320	1320	1320
D	HP	mm	562	793	1013	1013	1147	1147	1147
(	H,HT	mm	220	220	220	220	220	220	220
C	HP	mm	453	453	453	453	453	558	558
n	H,HT	mm	90	90	90	90	90	90	90
U	HP	mm	522	753	973	973	1122	1122	1122
Frankinka	H,HT	kg	15	17	23	22	29	34	34
Empty weight	HP	kg	12	14	20	23	29	32	32

 $\label{lem:continuous} \mbox{Aermec reserves the right to make any modifications deemed necessary.}$ All data is subject to change without notice. Aermec does not assume responsibility or liability for errors or omissions.





















## FCZI-H

# Fan coil with the photocatalytic device, for universal and floor installation



- Very quiet
- Backlit touch-I command with programming via a smart device (accessory)
- Total comfort in every season





#### **DESCRIPTION**

Fan coil with built-in **photocatalytic device** for air conditioning in places requiring the maximum hygiene, such as:

- Hospitals
- Dentists' surgeries
- Doctors' and vets' surgeries
- Analysis laboratories
- Waiting rooms
- Public premises

They can be installed in any type of 2-pipe system (version for 4-pipe systems available upon request) and in combination with any heat generator, even at low temperatures. Thanks to the availability of several versions and configurations, it's easy to find the right solution for every need.

#### **VERSIONS**

- H Unit with shell without thermostat vertical and horizontal installation
- HP Unit without shell and without thermostat vertical and horizontal installation.
- **HT** Unit with shell and thermostat vertical installation.

#### **FEATURES**

#### Case

Metallic protective cabinet with rustproofing polyester paint RAL 9003. The head with adjustable air distribution grille is made of plastic RAL 7047. When the grille closes, the fan coil automatically switches off.

#### **Ventilation group**

Comprised of a dual intake centrifugal fan that is particularly silent, 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.

Continuous air flow rate variation is made possible by a 0-10V signal generated by Aermec adjustment and control commands or by independent regulation systems.

This lowers noise and generates a better response to heat loads and a higher stability in the desired temperature inside the room.

The high efficiency even with low speed, makes it possible to reduce power consumption (more than 50% less than fan coils with traditional motors).

The scroll that protects the fan can be extracted and inspected, for easy and effective cleaning.

Apart from the brushless motor, each unit can also be supplied with a single-phase asynchronous motor. Refer to the relative FCZ - H datasheet

#### **Heat exchanger coil**

With copper pipes and aluminium fins, the main coil 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.

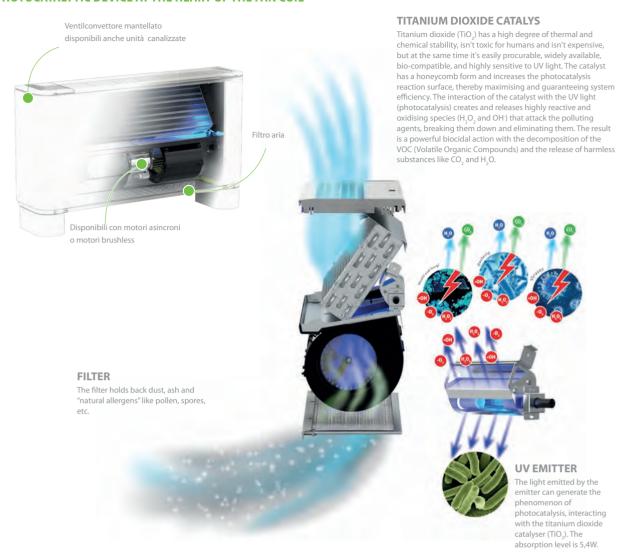
The coil is not reversible during installation but, when ordering, you can choose units with the coil water connections on the right (at no extra charge).

#### Air filter

Air filter class **COARSE 25%** for all versions; easy to pull out and clean. Shrouds can be pulled out and inspected for easy and effective cleaning.

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#### PHOTOCATALYTIC DEVICE AT THE HEART OF THE FAN COIL



#### **GUIDE TO SELECTING THE POSSIBLE CONFIGURATIONS**

GOIDE TO	SELECTING THE POSSIBLE CONFIGURATIONS
Field	Description
1,2,3,4	FCZI
	Size
<u> </u>	2,3,4,5,7,9
6	Main coil
0	Standard
5	Oversized (1)
7	Secondary coil
0	Without coil
8	Version
Н	Unit with shell without thermostat - vertical and horizontal mount
HP	Unit without shell and thermostat - vertical and horizontal mount
HPR	Unit without shell and thermostat - vertical and horizontal installation - water connections on the right
HR	Unit with shell without thermostat - vertical and horizontal installation - water connections on the right
HT	Unit with shell with thermostat - vertical mount
HTR	Unit with shell with thermostat - vertical mount - water connections on the right

(1) Only for sizes 9

#### **ACCESSORIES**

#### Control panels and dedicated accessories - FCZI-H

**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.

PRO503: Wall box for AER503IR and VMF-E4 thermostats.

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

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

T-TOUCH-I: Touch control on board the machine, for controlling fan coils with brushless motors. In 2-pipe systems, it can control standard fan coils or those equipped with an electric heater, with air purifying devices or with FCZI-D twin delivery (Dualjet). In 4-pipe systems, only standard fan coils. The ThermApp application is also available for remote control with smart devices with the Android operating system.

TX: Wall-mounting thermostat for controlling either brushless fan coils or those with asynchronous motors. 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).

**TXBI:** Thermostat on board the machine, for FCZI fan coils with brushless motor, complete with water probe and air probe to be positioned in the relative housings. 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), radiant plate or FCZI-D twin delivery (Dualjet).

VMF-E19I: Thermostat for inverter unit to be fixed on the side of the fan coil, fitted as standard with an air and water probe.

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 (MFTAL).

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

VMF-IO: Manage the unit exclusively from a centralized VMF control panel without area control panel.

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.

VMF-LON: Expansion allowing the thermostat to interface with BMS systems that use the LON protocol.

VMF-SW1: Extra water probe to be used for 4-pipe systems.

#### **Common accessories**

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.

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.

AMP: Wall mounting kit

**DSC:** Condensate drainage device.

**BCZ:** Condensate drip.

**PCZ:** Sheet metal panel closing the rear of the unit.

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.

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

**BC:** Condensate drip.

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

#### **ACCESSORIES COMPATIBILITY**

#### **Control panels and dedicated accessories**

Model	Ver	200	300	400	500	700	900	950
AER503IR (1)	H,HP	•	•	•	•	•	•	•
PR0503	H,HP	•	•	•	•	•	•	
SA5 (2)	H,HP,HT	•	•	•	•	•	•	•
SW5 (2)	H,HP,HT	•	•	•	•	•	•	•
T-TOUCH-I	Н	•	•	•	•	•	•	•
TX (1)	H,HP	•	•	•	•	•	•	•
TXBI (3)	Н	•	•	•			•	•

(1) Wall-mount installation.(2) Probe for AER503IR-TX thermostats, if fitted.

(3) Installation on the fan coil.

Model	Ver	200	300	400	500	700	900	950
VMF-E19I	H,HP	•	•	•	•	•	•	•
VMF-E2Z	Н	•	•	•	•	•	•	•
VMF-E3	H,HP	•	•	•	•	•	•	
VMF-E4DX	H,HP	•	•	•	•	•	•	•
VMF-E4X	H,HP	•	•	•	•	•	•	•
VMF-I0	Н	•	•	•	•	•	•	•
VMF-IR	H,HP	•	•	•	•	•	•	
VMF-LON	Н	•	•	•	•	•	•	•
VMF-SW1	HP			•		•		•

#### Common accessories

#### 3 way valve kit

Model	Ver	200	300	400	500	700	900	950
VCZ41 (1)	H,HP,HT	•						
VCZ4124 (2)	H,HP,HT	•						
VCZ42 (1)	H,HP,HT		•	•	•	•		

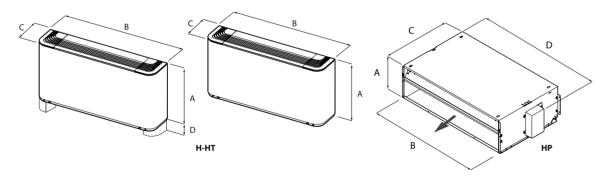
Model	Ver	200	300	400	500 700	0 900	950
VCZ4224 (2)	H,HP,HT		•	•			
VCZ43 (1)	H,HP,HT					•	•
VCZ4324 (2)	H,HP,HT					•	•
1) 230V~50Hz				,			
2) 24V <b>? way valve kit</b>							
		200	200	400			
Model	Ver	200	300	400	500 700	0 900	950
VCZD1 (1)	H,HP,HT	•					
VCZD124 (2)	H,HP,HT	•					
VCZD2 (1)	H,HP,HT		•	•	•		
VCZD224 (2)	H,HP,HT		•	•	•		
/CZD3 (1)	H,HP,HT					•	•
/CZD324 (2)	H,HP,HT					•	•
1) 230V~50Hz 2) 24V							
Combined Adjustment and Ba							
Nodel	Ver	200	300	400	500 700	900	950
/JP060 (1)	Н,НР,НТ	•	•				
/JP060M (2)	H,HP,HT	•	•				
/JP090 (1)	Н,НР,НТ			•	•		
/JP090M (2)	H,HP,HT			•	•		
/JP150 (1)	H,HP,HT				•	•	•
/JP150M (2)	Н,НР,НТ				•	•	•
1) 230V~50Hz 2) 24V							
Vall mounting kit							
v		300	400	500	700	900	950
Ver	200	300	400	300	700	700	
ver HP	<b>200</b> AMP20	AMP20	AMP20	AMP20	AMP20	AMP20	AMP20
HP Condensate drainage	AMP20	AMP20	AMP20	AMP20	AMP20	AMP20	AMP20
HP  Condensate drainage  Model  JSC4(1)	AMP20  Ver  HP	200 •	300 •	400	500 700 • • •	AMP20	
HP  Condensate drainage  Model  ISC4 (1)  1) DSC4 cannot be mounted if even just one of	AMP20  Ver  HP	200 •	300 •	400	500 700 • • •	AMP20 0 900	AMP20 950
HP  Condensate drainage  Model  ISC4 (1)  I) DSC4 cannot be mounted if even just one of  Condensate drip	Ver HP these accessories is al	AMP20  200  So installed: AMP - AMP	300 • •27 valve VCZ1-2-3-4 X4L/	AMP20  400  R and all the condensate	AMP20  500 700  collection trays.	AMP20 0 900	950 AMP20
HP  Condensate drainage  Model  DSC4 (1)  1) DSC4 cannot be mounted if even just one of  Condensate drip  Ver  HP	Ver HP these accessories is al	AMP20  200  •  Iso installed: AMP - AMF	300 • •2Z valve VCZ1-2-3-4 X4L/	AMP20  400  • R and all the condensate	AMP20  500 700  collection trays.	AMP20 0 900 •	950 •
HP  Condensate drainage  Model  ISC4 (1)  1) DSC4 cannot be mounted if even just one of  Condensate drip  Ver  HP  1) For vertical installation.	Ver HP these accessories is al 200 BCZ4 (1)	AMP20  200  So installed: AMP - AMF  300  BCZ4 (1)	300 . PZ valve VCZ1-2-3-4 X4L/ 400 BCZ4 (1)	AMP20  400  • R and all the condensate  500  BCZ4 (1)	AMP20  500 700  collection trays.  700  BCZ4(1)	900 BCZ4 (1)	950 950 BCZ4 (1)
HP  Condensate drainage  Model  OSC4 (1)  1) DSC4 cannot be mounted if even just one of  Condensate drip  Ver  HP  1) For vertical installation.  Ver	Ver HP these accessories is al 200 BCZ4 (1)	200  So installed: AMP - AMF  300  BC74 (1)	300 . • PZ valve VCZ1-2-3-4 X4L/ 400 BCZ4 (1)	AMP20  400  • R and all the condensate  500  BCZ4 (1)	500 700  collection trays.  700  BCZ4(1)	900 BCZ4 (1)	950 950 BCZ4 (1)
HP  Condensate drainage  Model  DSC4 (1)  1) DSC4 cannot be mounted if even just one of  Condensate drip  Ver  HP  1) For vertical installation.  Ver  HP	Ver HP these accessories is al 200 BCZ4 (1)	AMP20  200  So installed: AMP - AMF  300  BCZ4 (1)	300 . PZ valve VCZ1-2-3-4 X4L/ 400 BCZ4 (1)	AMP20  400  • R and all the condensate  500  BCZ4 (1)	AMP20  500 700  collection trays.  700  BCZ4(1)	900 BCZ4 (1)	950 950 BCZ4 (1)
HP  Condensate drainage  Model  DSC4 (1)  1) DSC4 cannot be mounted if even just one of  Condensate drip  Ver  HP  1) For vertical installation.  Ver  HP	Ver HP these accessories is al 200 BCZ4 (1)	200  So installed: AMP - AMF  300  BC74 (1)	300 . • PZ valve VCZ1-2-3-4 X4L/ 400 BCZ4 (1)	AMP20  400  • R and all the condensate  500  BCZ4 (1)	500 700  collection trays.  700  BCZ4(1)	900 BCZ4 (1)	950 950 BCZ4 (1)
HP  Condensate drainage  Model  DSC4 (1)  1) DSC4 cannot be mounted if even just one of  Condensate drip  Ver  HP  1) For vertical installation.  Ver  HP  1) For horizontal installation.	Ver HP these accessories is al  200 BCZ4 (1)  200 BC8 (1)	200  So installed: AMP - AMF  300  BC74 (1)	300 . • PZ valve VCZ1-2-3-4 X4L/ 400 BCZ4 (1)	AMP20  400  • R and all the condensate  500  BCZ4 (1)	500 700  collection trays.  700  BCZ4(1)	900 BCZ4 (1)	950 950 BCZ4 (1)
HP  Condensate drainage  Model  DSC4 (1)  1) DSC4 cannot be mounted if even just one of  Condensate drip  Ver  HP  1) For vertical installation.  Ver  HP	Ver HP these accessories is al  200 BCZ4 (1)  200 BC8 (1)	200  So installed: AMP - AMF  300  BC74 (1)	300 . • PZ valve VCZ1-2-3-4 X4L/ 400 BCZ4 (1)	AMP20  400  • R and all the condensate  500  BCZ4 (1)	500 700  collection trays.  700  BCZ4(1)	900 BCZ4 (1)	950 950 BCZ4 (1)
HP  Condensate drainage  Model  SC4 (1)  1) DSC4 cannot be mounted if even just one of Condensate drip  Ver  HP  1) For vertical installation.  Ver  HP  1) For horizontal installation.  Panel closing the rear of the united the condensate drip  Pondensate drip	Ver HP these accessories is al  200 BCZ4 (1)  200 BC8 (1)	200  So installed: AMP - AMF  300  BCZ4 (1)  300  BC8 (1)	300 • PZ valve VCZ1-2-3-4 X4L/ 400 BCZ4 (1) 400 BC8 (1)	### AMP20  ### 400  ### R and all the condensate  ### 500  ### BCZ4 (1)  ### 500  ### BC8 (1)	AMP20  500 700  • • • • collection trays.  700  BCZ4 (1)  700  BC8 (1)	AMP20  900  900  BCZ4 (1)  900  BC9 (1)	950 950 BCZ4 (1) 950 BC9 (1)
HP  Condensate drainage  Model  ISC4 (1)  1) DSC4 cannot be mounted if even just one of  Condensate drip  Ver  HP  1) For vertical installation.  Ver  HP  1) For horizontal installation.  Panel closing the rear of the unity of the part of the unity of the unity of the part of the unity of the part of the unity of the	AMP20	200  Iso installed: AMP - AMF  300  BCZ4 (1)  300  BC8 (1)	300 • • • • • • • • • • • • • • • • • •	### AMP20  ### 400  ### R and all the condensate  ### 500  ### 8024 (1)  ### 500  ### 808 (1)	AMP20  500 700  • • • • collection trays.  700  BCZ4 (1)  700  BC8 (1)	AMP20  900  900  BCZ4 (1)  900  BC9 (1)	950 950 BCZ4 (1) 950 BC9 (1)
HP  Condensate drainage  Model  DSC4 (1)  1) DSC4 cannot be mounted if even just one of  Condensate drip  Ver  HP  1) For vertical installation.  Ver  HP  1) For horizontal installation.  Panel closing the rear of the unity of the properties of the unity of the properties of the pr	AMP20	200 - Iso installed: AMP - AMF 300 BCZ4 (1) 300 BC8 (1) 300 PCZ300	300	### AMP20  ### 400  ### R and all the condensate  ### 500  ### 8024 (1)  ### 500  ### 808 (1)	AMP20  500 700  • • • • collection trays.  700  BCZ4 (1)  700  BC8 (1)	AMP20  900  900  BCZ4 (1)  900  BC9 (1)	950 950 BCZ4 (1)  950 BC9 (1)
HP  Condensate drainage  Model  DSC4 (1)  1) DSC4 cannot be mounted if even just one of  Condensate drip  Ver  HP  1) For vertical installation.  Ver  HP  1) For horizontal installation.  Panel closing the rear of the universal condensate universal condensate universal condensate drip  Ver	NMP20	200  Iso installed: AMP - AMF  300  BCZ4 (1)  300  BC8 (1)	300 • • • • • • • • • • • • • • • • • •	### AMP20  ### 400  ### R and all the condensate  ### 500  ### BCZ4 (1)  ### 500  ### BCS (1)  ### 500  ### PCZ500	### AMP20    500	900 BCZ4 (1) 900 BC9 (1)	950 950 BCZ4 (1) 950 BC9 (1)
HP  Condensate drainage  Model  DSC4 (1)  1) DSC4 cannot be mounted if even just one of  Condensate drip  Ver  HP  1) For vertical installation.  Ver  HP  1) For horizontal installation.  Panel closing the rear of the universe of the univ	NMP20	200  So installed: AMP - AMF  300  BCZ4 (1)  300  BCS (1)  300  PCZ300	300	### AMP20  ### 400  ### R and all the condensate  ### 500  ### BCZ4 (1)  ### 500  ### BCZ (1)  ### 500  ### PCZ 500  ### 500  ### 500  ### 500  ### 500  ### 500  ### 500  ### 500	### AMP20    500	900 BCZ4 (1) 900 BC9 (1)	950 950 BCZ4 (1) 950 BC9 (1) 950 PCZ1000
HP  Condensate drainage  Model  SC4(1)  1) DSC4 cannot be mounted if even just one of  Condensate drip  Ver  HP  1) For vertical installation.  Ver  HP  1) For horizontal installation.  Panel closing the rear of the unity of the property of the unity of t	Ver	200  So installed: AMP - AMP  300  BCZ4 (1)  300  BC8 (1)  300  PCZ300  300  GA300	300	### AMP20  ### 400  ### R and all the condensate  ### 500  ### BCZ4 (1)  ### 500  ### PCZ500  ### 500  ### GA500	### AMP20    500	AMP20  900  900  BCZ4 (1)  900  BC9 (1)  900  PCZ1000  900  GA800	950 950 BCZ4 (1) 950 BC9 (1) 950 PCZ1000 950 GA800
HP  Condensate drainage  Model  ISC4 (1)  1) DSC4 cannot be mounted if even just one of  Condensate drip  Ver  HP  1) For vertical installation.  Ver  HP  1) For horizontal installation.  Panel closing the rear of the universe of the univ	Ver	200  So installed: AMP - AMF  300  BCZ4 (1)  300  BC8 (1)  300  PCZ300  300  GA300	300 72 valve VCZ1-2-3-4 X4L/ 400 BCZ4 (1)  400 BC8 (1)  400 PCZ500  400 GA500	### AMP20  ### 400  ### R and all the condensate  ### 500  ### BCZ4 (1)  ### 500  ### PCZ500  ### 500  ### GA500  ### 50	### AMP20    500	AMP20  900  900  BCZ4 (1)  900  BC9 (1)  900  PCZ1000  900  GA800	950 950 BC24 (1) 950 BC9 (1) 950 PC71000 950 GA800
HP  Condensate drainage  Model  ISC4 (1)  1) DSC4 cannot be mounted if even just one of Condensate drip  Ver  HP  1) For vertical installation.  Ver  HP  1) For horizontal installation.  Panel closing the rear of the universe of the unive	Ver	200  So installed: AMP - AMP  300  BCZ4 (1)  300  BC8 (1)  300  PCZ300  300  GA300	300	### AMP20  ### 400  ### R and all the condensate  ### 500  ### BCZ4 (1)  ### 500  ### PCZ500  ### 500  ### GA500	### AMP20    500	AMP20  900  900  BCZ4 (1)  900  BC9 (1)  900  PCZ1000  900  GA800	950 950 BCZ4 (1) 950 BC9 (1) 950 PCZ1000 950 GA800
HP  Condensate drainage  Model  DSC4 (1)  1) DSC4 cannot be mounted if even just one of Condensate drip  Ver  HP  1) For vertical installation.  Ver  HP  1) For horizontal installation.  Panel closing the rear of the university of the university of the property of the university of the property of the university of t	Ver	200 - Iso installed: AMP - AMF 300 BCZ4 (1)  300 BCS (1)  300 PCZ300  300 GA300  FIKIT300	300	### AMP20  ### 400  ### Food  ### BCZ4 (1)  ### Food  ### BCZ4 (1)  ### Food  ### BCZ500  ### FOOD  ### GA500  ### FIKIT500	### AMP20    500	900 BCZ4 (1)  900 BCZ4 (1)  900 BCZ1000  900 FIKIT800	950 950 BCZ4 (1) 950 PCZ1000 950 GA800 FIKIT800
HP  Condensate drainage  Model  DSC4 (1)  1) DSC4 cannot be mounted if even just one of Condensate drip  Ver  HP  1) For vertical installation.  Ver  HP  1) For horizontal installation.  Panel closing the rear of the university of the property of the pro	Ver	200 Iso installed: AMP - AMF 300 BCZ4 (1)  300 BCS (1)  300 CZ300  300 GA300  FIKIT300	300	### AMP20  ### 400  ### R and all the condensate  ### 500  ### BCZ4 (1)  ### 500  ### FCZ500  ### 500  ### GA500  ### FIKIT500  ### 500  #	### AMP20    500	AMP20  0 900	950 950 BCZ4 (1) 950 PCZ1000  950 GA800 FIKIT800
HP  Condensate drainage  Model  DSC4 (1)  1) DSC4 cannot be mounted if even just one of Condensate drip  Ver  HP  1) For vertical installation.  Ver  HP  1) For horizontal installation.  Panel closing the rear of the university of the university of the property of the university of the property of the university of t	Ver	200 - Iso installed: AMP - AMF 300 BCZ4 (1)  300 BCS (1)  300 PCZ300  300 GA300  FIKIT300	300	### AMP20  ### 400  ### Food  ### BCZ4 (1)  ### Food  ### BCZ4 (1)  ### Food  ### BCZ500  ### FOOD  ### GA500  ### FIKIT500	### AMP20    500	900 BCZ4 (1)  900 BCZ4 (1)  900 BCZ1000  900 FIKIT800	950 950 BCZ4 (1) 950 PCZ1000 950 GA800 FIKIT800
HP  Condensate drainage  Model  ISC4 (1)  1) DSC4 cannot be mounted if even just one of Condensate drip  Ver HP  1) For vertical installation.  Ver HP  1) For horizontal installation.  Panel closing the rear of the university of the property of the prope	Ver	200 Iso installed: AMP - AMF 300 BCZ4 (1)  300 BCS (1)  300 CZ300  300 GA300  FIKIT300	300	### AMP20  ### 400  ### R and all the condensate  ### 500  ### BCZ4 (1)  ### 500  ### FCZ500  ### 500  ### GA500  ### FIKIT500  ### 500  #	### AMP20    500	AMP20  0 900	950 950 BCZ4 (1) 950 PCZ1000  950 GA800 FIKIT800
HP  Condensate drainage  Model  DSC4 (1)  1) DSC4 cannot be mounted if even just one of Condensate drip  Ver  HP  1) For vertical installation.  Ver  HP  1) For horizontal installation.  Panel closing the rear of the university of the property of the pro	Ver	200 Iso installed: AMP - AMF 300 BCZ4 (1)  300 BCS (1)  300 CZ300  300 GA300  FIKIT300	300	### AMP20  ### 400  ### R and all the condensate  ### 500  ### BCZ4 (1)  ### 500  ### FCZ500  ### 500  ### GA500  ### FIKIT500  ### 500  #	### AMP20    500	AMP20  0 900	950 950 BCZ4 (1) 950 PCZ1000  950 GA800 FIKIT800

#### **PERFORMANCE SPECIFICATIONS**

			CZI200	H		CZI300	Н		CZI400	H		FCZI500	H		FCZI700	H		CZI900	H		CZ1950	H
		1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
		L	М	Н	L	М	Н	L	М	Н	L	М	Н	L	М	Н	L	М	Н	L	М	Н
Heating performance 70 °C / 60 °C (1)																						
Heating capacity	kW	2,02	2,95	3,70	3,47	4,46	5,50	4,32	5,74	7,15	5,27	7,31	8,50	6,50	8,10	10,00	10,77	13,35	15,14	11,20	14,42	17,10
Water flow rate system side	l/h	177	258	324	304	391	482	379	503	627	462	641	745	570	710	877	945	1171	1328	982	1264	1500
Pressure drop system side	kPa	6	12	18	7	12	18	9	16	24	12	21	28	12	18	26	12	17	22	16	25	33
Heating performance 45 °C / 40 °C (2)																						
Heating capacity	kW	1,00	1,46	1,84	1,72	2,21	2,73	2,14	2,85	3,55	2,62	3,63	4,22	3,32	4,03	4,97	5,35	6,64	7,53	5,57	7,17	8,50
Water flow rate system side	l/h	174	254	319	299	385	475	373	495	617	455	631	734	561	699	863	930	1152	1307	967	1245	1476
Pressure drop system side	kPa	6	12	18	8	12	18	10	16	24	12	21	28	12	18	26	12	17	22	15	24	33
Cooling performance 7 °C / 12 °C (3)																						
Cooling capacity	kW	0,89	1,28	1,60	1,68	2,17	2,65	2,20	2,92	3,60	2,68	3,69	4,25	3,22	3,90	4,65	4,29	5,00	6,91	5,77	7,32	8,60
Sensible cooling capacity	kW	0,71	1,05	1,33	1,26	1,65	2,04	1,59	2,14	2,67	1,94	2,73	3,18	2,56	3,17	3,92	2,97	3,78	5,68	3,80	4,87	5,78
Water flow rate system side	l/h	153	221	275	288	374	456	379	503	619	460	634	731	554	671	800	738	860	1189	992	1259	1479
Pressure drop system side	kPa	7	13	18	8	13	18	10	17	24	13	23	29	14	19	26	10	13	22	15	23	30
Fan																						
Туре	type										(	entrifug	al									
Fan motor	type											Inverter										
Number	no.		1			2			2			2			3			3			3	
Air flow rate	m³/h	140	220	290	260	350	450	330	460	600	400	600	720	520	720	900	700	930	1140	700	930	1140
Input power	W	7	8	14	5	7	13	5	10	18	7	10	19	30	40	80	30	40	80	30	40	80
Signal 0-10V	%	44	68	90	52	70	90	49	68	90	50	74	90	56	72	90	56	72	90	56	72	90
Diametre hydraulic ÿttings																						
Туре	type											Gas - F										
Main coil	Ø		1/2"			3/4"			3/4"			3/4"			3/4"			3/4"			3/4"	
Fan coil sound data (4)																						
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	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	43,0	49,0	54,0
Power supply																						
Power supply											2	30V~50	Hz									

- (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) Room air temperature 27°C d.b./19°C w.b.; Water (in/out) 7 °C/12 °C; EUROVENT
  (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.

#### **DIMENSIONS**



Size			200	300	400	500	700	900	950
Dimensions and weights									
Λ.	H,HT	mm	486	486	486	486	486	591	591
A	HP	mm	216	216	216	216	216	216	216
D	H,HT	mm	750	980	1200	1200	1320	1320	1320
В	HP	mm	522	753	973	973	1122	1122	1122
(	H,HT	mm	220	220	220	220	220	220	220
	HP	mm	453	453	453	453	453	558	558
D	H,HT	mm	90	90	90	90	90	90	90
<u> </u>	HP	mm	562	793	1013	1013	1147	1147	1147
Emptyweight	H,HT	kg	15	17	22	22	29	34	34
Empty weight	HP	kg	12	14	20	23	26	32	32

 $\label{lem:continuous} \mbox{Aermec reserves the right to make any modifications deemed necessary.}$ All data is subject to change without notice. Aermec does not assume responsibility or liability for errors or omissions.





















# **Omnia HL**

# Fan coil for universal and floor installation



- Very quiet
- · Ideal for residential or office solutions
- Version with Coldplasma Air purifier





#### **DESCRIPTION**

Fan coils for heating, cooling, and dehumidification.

It can be installed on 2-pipe systems and combined with any heat generator even at low temperatures. Choosing the optimal solution for any requirement is easy thanks to the various versions available and to the possibility of horizontal or vertical installation, depending on the version.

#### **VERSIONS**

**HL** Metallic white cabinet with switch

 ${\bf L}$  White cabinet with self-closing louver and electronic thermostat

**LM** Grey cabinet with self-closing louver and electronic thermostat **M** Metallic grey cabinet with switch

**N** White cabinet with electronic thermostat VMF

NM Grey cabinet with electronic thermostat VMF

**PC** White cabinet with electronic thermostat and Cold Plasma purifier

**PCM** Grey cabinet with electronic thermostat and Cold Plasma purifier

**S** Metallic withe cabinet without control board

**SM** Metallic grey cabinet without control board

#### **FEATURES**

#### Case

Top design metal protection cabinet with rounded design and painted with anti-corrosion polyester powders:

#### Color White

- Cover RAL 9002
- Top and supports RAL 7044.

#### **Color Grey**

- Cover FIAT 656
- Top and supports RAL 7031.

The air distribution grid is adjustable. The fan coil switches off automatically when the grid is closed.

#### **Ventilation group**

Comprised of a dual intake centrifugal fan that is particularly silent, statically and dynamically balanced and directly coupled to 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.

The scroll that protects the fan can be extracted and inspected, for easy and effective cleaning.

#### Heat exchanger coil

With copper pipes and aluminium fins, the main coil 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.

■ The hydraulic connections can be inverted during installation.

#### **Condensate drip**

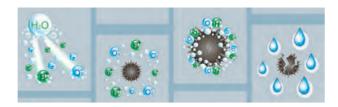
Provided standard in plastic and fixed to the interior structure; with external condensate discharge.

#### Air filter

The fan coils have, as standard, precharged electrostatic filters. These filters, thanks to their special execution, attracts and retains all suspended dust particles, thus garanteeing pure breathable air to the whole family. In the PC and PCM versions, air purification is guaranteed by the Cold Plasma air purifier.

The purifier is able to reduce pollutants, decomposing their molecules using electrical charges, causing the water molecules in the air to split into positive and negative ions. These ions neutralise the molecules in the gaseous pollutants, obtaining products normally present in clean air. The device is able to eliminate 90% of the bacteria. The result is clean, ionized air, free of foul odours.

55



#### **ACCESSORIES**

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.

FMT10: Electronic thermostat for fan coil in to 2/4 pipe systems.

PRO503: Wall box for AER503IR and VMF-E4 thermostats.

PX2: Commutator switch.

**PX2C6:** Commutator switch. Kit to 6 pz.

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

**SIT3:** Thermostat Interface Card allowing the creation of a network of fan coils (max. 10) commanded by a central control panel (selector or thermostat). Commands the 3 fan speeds and must be installed on each fan coil within the network; receives the commands from the selector or the SIT5 card.

**SIT5:** Thermostat Interface Card allowing the creation of a network of fan coils (max. 10) commanded by a central control panel. Commands the 3 fan speeds and up to 2 valves (four pipe systems); sends the thermostat's commands to the fan coil network.

**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.

**SWA:** External probe accessory SWA (length L = 6m). It detects the temperature of the room air if connected to the connector (A) of the FMT21 panel. The room air temperature probe, incorporated in the panel, is automatically disabled. It detects the temperature of the water in the system for ventilation consent if connected to the connector (W) of the FMT21 panel. Two SWA probes can be connected simultaneously to the FMT21 panel.

TPF: Electronic thermostat, black, with thermostated or continuous

TPFW: Electronic thermostat, white, with thermostated or continuous ventilation.

**TX:** Wall-mounting thermostat for controlling either brushless fan coils or those with asynchronous motors. 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).

WMT05: Electronic thermostat with thermostated ventilation.

WMT10: Electronic thermostat, white, with thermostated or continuous ventilation

VMF-E19: Thermostat to be secured to the side of the fan coil, fitted as standard with an air probe and a water probe.

VMF-E2H: User interface on the machine, to be combined with the VMF-E19 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 PAN-TONE COOL GRAY 1C.

VMF-IO: Manage the unit exclusively from a centralized VMF control panel without area control panel.

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.

VMF-LON: Expansion allowing the thermostat to interface with BMS systems that use the LON protocol.

VMF-SIT3: Interface card that permits connecting the VMF-E19 thermostats to a fan coil with a high power motor.

AMP: Wall mounting kit

**DSC:** Condensate drainage device.

VCH: 3-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.

VCHD: 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.

BC: Condensate drip.

**PCH:** Panel closing the rear of the unit white

**ZH1:** White skirting for floor mounting.

**ZH1B:** White feet for floor mounting with skirting board.

**ZH1M:** Grey feet for floor mounting.

**ZH1MB:** Grey feet for floor mounting with skirting board.

Compatibility with VMF system: for more information about the system, refer to the dedicated documentation.

### **ACCESSORIES COMPATIBILITY**

Model	Ver	11	16	26	36
AER503IR (1)	S,SM	•	•	•	•
FMT10	S,SM	•	•	•	•
PR0503	S,SM	•	•	•	•
PX2	S,SM	•	•	•	•
PX2C6 (2)	S,SM	•	•	•	•
SA5 (3)	S,SM	•	•	•	•
SIT3 (4)	S,SM	•	•	•	•
SIT5 (5)	S,SM	•	•	•	•
SW3 (3)	S,SM	•	•	•	•
SW5 (3)	S,SM	•	•	•	•
SWA	S,SM	•	•	•	•
TPF	S,SM	•	•	•	•
TPFW	S,SM	•	•	•	•
TX (1)	S,SM	•	•	•	•
WMT05	S,SM	•	•	•	•
WMT10	S,SM	•	•	•	•

- (1) Wall-mount installation.
- (2) Only wall-mount installation
- (a) Probe for AERSO3IR-TX thermostats, if fitted.

  (4) Cards for AERSO3IR-TX thermostats, if present, to be installed if the unit absorption exceeds 0,7 Ampere.
- (5) Probe for AER503IR-TX thermostats, if fitted.

V٨	ΛF	cvc	tem

Model	Ver	11	16	26	36
VMF-E19	S,SM	•	•	•	•
VMF-E2H	S,SM	•	•	•	•
VMF-E3	S,SM	•	•	•	•
VMF-E4DX	S,SM	•	•	•	•
VMF-E4X	S,SM	•	•	•	•
VMF-IO	S,SM	•	•	•	•
VMF-IR	S,SM	•	•	•	•
VMF-LON	S,SM	•	•	•	•
VMF-SIT3 (1)	S,SM	•	•	•	•

(1) For the selection, consult the documentation for the thermostat and the fan coil.

#### Condensate drip

Ver	11	16	26	36
HL,L,LM,M,N,NM,PC,PCM,S,SM	BC10 (1)	BC10 (1)	BC10 (1)	BC10 (1)

(1) For vertical installation.

#### Condensate drainage

Accessory	HL11
DSC5 (1)	•

(1) The accessory cannot be fit if the accessory BC10 or BC20 is installed.

### Wall mounting kit

Accessory	HL11	HL16	HL26	HL36
AMP10	•	•	•	•

#### 3 way valve kit

Accessory	HL11	HL16	HL26	HL36
VCH	•	•	•	•

#### 2 way valve kit

Accessory	HL11	HL16	HL26	HL36
VCHD	•	•	•	•

#### Pair of stylish structural feet

Model	Ver	11	16	26	36
ZH1	HL,L,N,PC,S	•	•	•	•
Model	Ver	11	16	26	36
ZH1B	HL,L,N,PC,S	•	•	•	•
Model	Ver	11	16	26	36
ZH1M	LM,M,NM,PCM,SM	•	•	•	•
Model	Ver	11	16	26	36
ZH1MB	LM,M,NM,PCM,SM			•	•

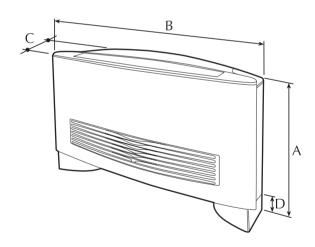
#### **PERFORMANCE SPECIFICATIONS**

#### 2-pipe

			HL11			HL16			HL26			HL36	
		1	2	3	1	2	3	1	2	3	1	2	3
		L	М	Н	L	М	Н	L	М	Н	L	М	Н
Heating performance 70 °C / 60 °C (1)													
Heating capacity	kW	1,06	1,46	2,01	1,54	2,12	2,91	2,89	3,83	4,62	3,53	4,87	5,94
Water flow rate system side	l/h	93	128	176	135	186	255	254	336	405	310	427	521
Pressure drop system side	kPa	1	1	2	1	2	4	5	8	11	3	5	7
Heating performance 45 °C / 40 °C (2)													
Heating capacity	kW	0,52	0,73	1,00	0,73	1,05	1,90	1,44	1,90	2,29	1,75	2,42	2,95
Water flow rate system side	l/h	92	126	174	126	183	331	249	331	399	305	420	513
Pressure drop system side	kPa	1	1	2	1	3	8	5	8	11	7	13	18
Cooling performance 7 °C / 12 °C (3)													
Cooling capacity	kW	0,53	0,67	0,82	0,69	0,87	1,17	1,26	1,65	1,99	1,63	2,26	2,79
Sensible cooling capacity	kW	0,38	0,52	0,68	0,52	0,69	0,96	0,97	1,30	1,61	1,13	1,59	2,00
Water flow rate system side	l/h	94	117	145	122	153	206	220	289	349	286	394	487
Pressure drop system side	kPa	1	2	2	2	3	5	5	8	11	7	13	19
Fan													
Туре	type						Centr	ifugal					
Fan motor	type						On-	-Off					
Number	no.		1			1			2			2	
Air flow rate	m³/h	80	120	180	110	160	240	190	270	350	240	350	460
Input power	W	8	12	18	23	25	32	24	27	35	30	35	42
Fan coil sound data (4)													
Sound power level	dB(A)	31,0	37,0	46,0	34,0	43,0	48,0	35,0	43,0	48,0	34,0	43,0	50,0
Sound pressure	dB(A)	23,0	29,0	38,0	26,0	35,0	40,0	27,0	35,0	40,0	26,0	33,0	40,0
Diametre hydraulic ÿttings													
Main coil	Ø	1/2"											
Power supply													
Power supply							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) Room air temperature 27 °C d.b./19 °C w.b.; Water (in/out) 7 °C/12 °C; EUROVENT
  (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.

#### **DIMENSIONS**



Size		11	16	26	36
Dimensions and weights	·				
A	mm	600	605	615	623
В	mm	640	750	980	1200
C	mm	187	189	191	198
D	mm	93	93	93	93
Empty weight	kg	14	15	18	21

 $\label{lem:continuous} \mbox{Aermec reserves the right to make any modifications deemed necessary.}$ All data is subject to change without notice. Aermec does not assume responsibility or liability for errors or omissions.



















# **Omnia ULS**

## Vertical wall-mounting or freestanding installation



- Compact dimensions, thickness 129 mm
- · Low operating temperature
- · Cooling, heating, and dehumidification





#### **DESCRIPTION**

The Omnia Slim fan coils have been designed to meet the need to combine the typical features of a classic radiator - namely reduced depth and quiet operation - with the ability of a fan coil to air-condition rooms throughout the year.

They can be installed on any system with a 2-pipe system and it fits 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.

#### **VERSIONS**

**ULS** Standard without control board **ULS C** With on-board thermostat

#### **FEATURES**

#### Case

Structure in sheet metal, 12/10 and 8/10 mm.

Front cover in 8/10 mm galvanised sheet metal with RAL9003 white epoxy powder coating and thermal-acoustic insulation of 13 mm thickness.

#### **Ventilation group**

These fan coils have extremely silent ventilation by using special tangential fans, which guarantees maximum acoustic comfort.

The electric motor is a 3-speed single-phase motor with a permanently inserted condenser.

#### Heat exchanger coil

With copper pipes and aluminium fins, the main coil 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.

■ The coil has hydraulic connections on the left and is not reversible.

#### Control

With thermostatic adjustment and manual or no-adjustment switching, for combination with any wall panel or with the AERMEC VMF system.

#### **ACCESSORIES**

**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.

PRO503: Wall box for AER503IR and VMF-E4 thermostats.

**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.

**T-TOUCH-S:** Touch control installation on-board the fan coil. The ThermApp application is also available for remote control with smart devices with the Android operating system.

**TX:** Wall-mounting thermostat for controlling either brushless fan coils or those with asynchronous motors. 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).

**TXBS:** Thermostat installation on the fan coil.

KITSV: Kit for installing the VMF-E0X or VMF-E19.

**VMF-E19:** Thermostat to be secured to the side of the fan coil, fitted as standard with an air probe and a water probe.

**VMF-E2S:** User interface on the fan coil, with two selectors - one for temperature and the other for speed control. For operation, the installation of either the VMF-E0X or the VMF-E19 accessory is required.

**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 PAN-TONE 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.

**BCSV:** Condensate collection tray, for valve kit.

**DSC7:** Condensate drainage device.

**VCS2:** 2-way motorised valve kit without insulating shell. The kit is made up of a valve, actuator and relative hydraulic fittings.

**VCS3:** 3-way motorised valve kit without insulating shell for the main coil. The kit is made up of a valve with its insulating shell, actuator and relative hydraulic fittings.

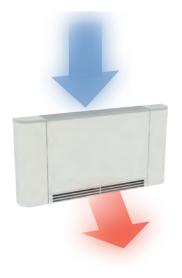
**ZXS:** Pair of stylish and structural feet.

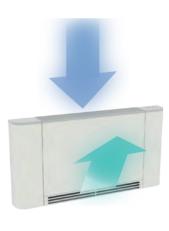
#### **MAIN FEATURES**



- 1 Air/water exchange coils with aluminium fins and copper piping, arranged across 2 rows.
- 2 Front cover in 8/10 mm galvanised sheet metal with RAL9003 white epoxy powder coating and thermal-acoustic insulation of 13 mm thickness.
- 3 Plastic recovery grille with air filter.
- 4 Tangential fan driven by a 3-speed motor.
- 5 Aluminium recovery grille and sheet metal delivery grille, with a special design conceived to create a homogeneous flow of air, both in summer and winter operation.

#### Flow rates





### **ACCESSORIES COMPATIBILITY**

Model	Ver	10	20	30	40	50
AER503IR (1)	ULS	•	•	•	•	•
PR0503	ULS	•	•	•	•	•
SA5 (2)	ULS	•	•	•	•	•
SW3 (2)	ULS	•	•	•	•	•
SW5 (2)	ULS	•	•	•	•	•
T-TOUCH-S (3)	ULS	•	•	•	•	•
TX (1)	ULS	•	•	•	•	•
TXBS (3)	ULS	•	•	•	•	•

- (1) Wall-mount installation.(2) Probe for AER503IR-TX thermostats, if fitted.(3) Installation on the fan coil.

#### VMF system

Model	Ver	10	20	30	40	50
KITSV (1)	ULS	•	•	•	•	•
VMF-E19	ULS	•	•	•	•	•
VMF-E2S (2)	ULS	•	•	•	•	•
VMF-E3	ULS	•	•	•	•	•
VMF-E4DX	ULS	•	•	•	•	•
VMF-E4X	ULS	•	•	•	•	•
VMF-IR	ULS		•	•	•	

<sup>(1)</sup> Mandatory when the VMF-E19 or VMF-E0X thermostat is required. (2) Installation on the fan coil.

#### 3 way valve kit

Model	Ver	10	20	30	40	50
VCS3 (1)	ULS,ULS_C	•		•	•	•

(1) Power supply 230V - Hydraulic connections Ø 1/2"

#### 2 way valve kit

Model	Ver	10	20	30	40	50
VCS2 (1)	ULS,ULS_C	•	•	•	•	•

(1) Power supply 230V - Hydraulic connections Ø 1/2"

### Condensate drip

Model	Ver	10	20	30	40	50
BCSV	ULS,ULS_C	•	•	•	•	•

#### Condensate drainage

Model	Ver	10	20	30	40	50
DSC7	ULS,ULS_C	•	•	•	•	•
					-	

### Pair of stylish structural feet

Model	Ver	10	20	30	40	50
ZXS	ULS,ULS_C	•	•	•	•	•

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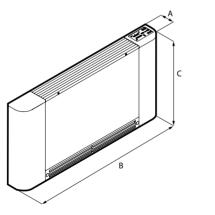
#### **PERFORMANCE SPECIFICATIONS**

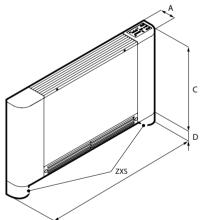
#### 2-pipe

2 ріре			ULS10			ULS20			ULS30			ULS40			ULS50	
		1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
		L	М	Н	L	M	Н	L	M	Н	L	M	Н	L	M	Н
Heating performance 70 °C / 60 °C (1)																
Heating capacity	kW	0,61	1,16	1,64	1,14	2,18	3,08	1,48	2,84	4,00	1,89	3,64	5,13	2,27	4,37	6,15
Water flow rate system side	l/h	53	102	144	99	191	269	129	248	350	166	318	448	199	382	538
Pressure drop system side	kPa	1	4	7	4	11	21	3	8	15	4	13	25	3	9	16
Heating performance 45 °C / 40 °C (2)																
Heating capacity	kW	0,30	0,58	0,82	0,56	1,09	1,53	0,73	1,41	1,99	0,94	1,81	2,55	1,13	2,17	3,06
Water flow rate system side	I/h	52	101	142	98	189	266	128	245	346	164	315	443	196	378	532
Pressure drop system side	kPa	1	4	7	4	12	22	3	9	16	4	14	26	3	9	17
Cooling performance 7 °C / 12 °C (3)																
Cooling capacity	kW	0,30	0,57	0,80	0,55	1,07	1,50	0,72	1,38	1,95	0,92	1,78	2,50	1,11	2,13	3,00
Sensible cooling capacity	kW	0,22	0,43	0,62	0,42	0,81	1,17	0,54	1,05	1,52	0,69	1,35	1,95	0,83	1,62	2,34
Water flow rate system side	I/h	51	97	137	95	183	257	124	238	335	158	305	429	190	366	515
Pressure drop system side	kPa	1	4	8	4	13	25	3	10	18	5	16	29	3	10	19
Fan																
Туре	type								Tangential							
Fan motor	type							A	lsynchronoι	IS						
Number	no.		11			1			11			2			2	
Air flow rate	m³/h	47	86	115	87	158	210	111	203	270	144	263	350	161	293	390
Input power	W	9	16	21	15	21	32	17	32	42	22	40	53	18	26	56
Electrical wiring		V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3
Fan coil sound data (4)																
Sound power level	dB(A)	42,0	49,0	52,0	42,0	49,0	52,0	43,0	50,0	53,0	44,0	51,0	54,0	45,0	52,0	55,0
Water coil																
Water content main coil	- 1		0,5			0,9			1,2			1,8			1,5	
Diametre hydraulic ÿ ttings																
Main coil	Ø								1/2"							
Power supply																
Power supply									230V~50H	Z						

- (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) Room air temperature 27°C d.b./19°C w.b.; Water (in/out) 7 °C/12 °C; EUROVENT
  (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.

#### **DIMENSIONS**





Size			10	20	30	40	50
Dimensions and weights							
A	ULS,ULS_C	mm	130	130	130	130	130
В	ULS,ULS_C	mm	745	940	1134	1328	1524
C	ULS,ULS_C	mm	580	580	580	580	580
D	ULS,ULS_C	mm	80	80	80	80	80
Empty weight	ULS,ULS_C	kg	11	13	15	17	19

 $\label{lem:continuous} \mbox{Aermec reserves the right to make any modifications deemed necessary.}$ All data is subject to change without notice. Aermec does not assume responsibility or liability for errors or omissions.

















# **Omnia UL**

### Universal and floor installation



- Fully silent functioning
- Ideal for residential or office solutions





#### **DESCRIPTION**

Fan coils with inverter technology for heating, cooling, and dehumidifying. Equipped with a state of the art ventilation unit with continuous modulation of the air flow rate, which allows for precise adaptation of the actual indoor ambient requirements without temperature oscillations, for increased comfort, also in terms of noise, and electrical savings.

It can be installed on 2-pipe systems and combined with any heat generator even at low temperatures. Choosing the optimal solution for any requirement is easy thanks to the various versions available and to the possibility of horizontal or vertical installation, depending on the version.

#### **VERSIONS**

C Vertical installation, intake at base, electronic thermostat

**PC** Vertical installation, intake at base, electronic thermostat, Cold Plasma purifier

**S** Vertical and horizontal installation, intake at base, without commands **UL** Standard - Vertical installation, bottom intake, manual switch-over

#### **FEATURES**

#### Case

Protective metal cabinet with anti-corrosion polyester RAL 9002 paint, whereas the head with the air distribution grille is in RAL 7047 plastic.

#### **Ventilation group**

Comprised of a dual intake centrifugal fan that is particularly silent, statically and dynamically balanced and directly coupled to the motor shaft.

The electric motor is single-phase multi-speed (3 selectable), mounted on anti-vibration supports and with a permanently inserted capacitor. The plastic augers are extractable for easy and efficient cleaning.

#### Heat exchanger coil

With copper pipes and aluminium fins, the main coil 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.

■ The hydraulic connections can be inverted during installation.

#### Condensate drip

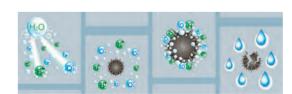
Provided standard in plastic and fixed to the interior structure; with external condensate discharge.

#### Air filter

The fan coils have, as standard, precharged electrostatic filters. These filters, thanks to their special execution, attracts and retains all suspended dust particles, thus garanteeing pure breathable air to the whole family.

#### APC versions equipped with Coldplasma Air purifier.

The purifier is able to reduce pollutants, decomposing their molecules using electrical charges, causing the water molecules in the air to split into positive and negative ions. These ions neutralise the molecules in the gaseous pollutants, obtaining products normally present in clean air. The device is able to eliminate 90% of the bacteria. The result is clean, ionized air, free of foul odours.



#### **ACCESSORIES**

**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.

PRO503: Wall box for AER503IR and VMF-E4 thermostats.

**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.

**TX:** Wall-mounting thermostat for controlling either brushless fan coils or those with asynchronous motors. 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).

**WMT05:** Electronic thermostat with thermostated ventilation.

**WMT10:** Electronic thermostat, white, with thermostated or continuous ventilation.

**VMF-EOX:** Thermostat to be secured to the side of the fan coil, fitted as standard with an air probe and a water probe.

**VMF-E2D:** User interface on the machine, to be combined with the VMF-E19 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 PAN-TONE 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.

**AMP:** Wall mounting kit

**DSC:** Condensate drainage device.

**VCH:** 3-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.

**VCHD:** 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.

BC: Condensate drip.

**GU:** Intake grid covers the front space between the ornamental feet and does not interfere with the filter.

**PCU:** Sheet metal panel closing the rear of the unit.

ZU: Pair of stylish and structural feet.

#### **ACCESSORIES COMPATIBILITY**

Model	Ver	11	16	26	36
AER503IR (1)	S	•	•	•	•
PR0503	S	•	•	•	•
SA5 (2)	S	•	•	•	•
SW3 (2)	C,PC	•	•	•	•
SW5 (2)	S	•	•	•	•
TX (1)	S	•	•	•	•
WMT05	S	•	•	•	•
WMT10	S	•	•	•	•

- (1) Wall-mount installation.
- (2) Probe for AER503IR-TX thermostats, if fitted.

#### VMF system

Model	Ver	11	16	26	36
VMF-E0X (1)	S	•	•	•	•
VMF-E2D	S	•	•	•	•
VMF-E3	S	•	•	•	•
VMF-E4DX	S	•	•	•	•
VMF-E4X	S	•	•	•	•
VMF-IR	S	•	•	•	•

(1) Also the accessory VMF-SIT3 is mandatory if the unit exceeds 0.7 Amperes.

#### Condensate drip

Model	Ver	11	16	26	36
BC10 (1)	C,PC,S,UL	•	•	•	•
BC20 (2)	C.PC.S.UL		•	•	•

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

#### Condensate drainage

Model	Ver	11	16	26	36
DSC5 (1)	C,PC,S,UL	•	•	•	•

(1) The accessory cannot be fit if the accessory BC10 or BC20 is installed.

#### 3 way valve kit

Model	ver	II .	10	20	
VCH	C,PC,S,UL	•	•	•	•
•					
2					

## 2 way valve kit

Model	Ver	11	16	26	36
VCHD	C,PC,S,UL	•	•	•	•

#### Wall mounting ki

wall mounting kit									
Model	Ver	11	16	26	36				
AMP10	C,PC	•	•	•	•				

#### Panel closing the rear of the unit

Ver	11	16	26	36
C,PC,S,UL	PCU10	PCU15	PCU25	PCU35

#### Intake arids

intake grias				
Ver	11	16	26	36
C,PC,S,UL	GU10 (1)	GU15 (1)	GU25 (1)	GU35 (1)

<sup>(1)</sup> The combination with a pair of stylish and structural feet is mandatory.

#### Pair of stylish structural feet

Model	Ver	11	16	26	36
ZU	C,PC,S,UL	•	•	•	•

#### Configuration

Field	Description
1,2	UL
3,4	<b>Size</b> 11, 16, 26, 36
5	Version
С	Vertical installation, intake at base, electronic thermostat
PC	Vertical installation, intake at base, electronic thermostat, Cold Plasma purifier
S	Vertical and horizontal installation, intake at base, without commands
UL	Standard - Vertical installation, bottom intake, manual switch-over

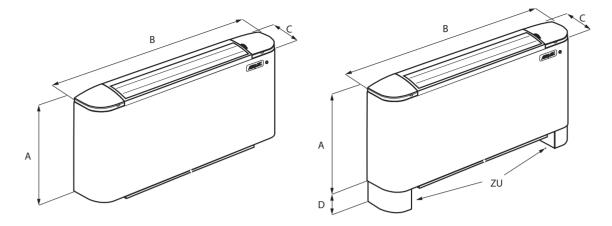
#### **PERFORMANCE SPECIFICATIONS**

#### 2-pipe

			UL11			UL16			UL26			UL36	
		1	2	3	1	2	3	1	2	3	1	2	3
		L	М	Н	L	M	Н	L	M	Н	L	M	Н
Heating performance 70 °C / 60 °C (1)													
Heating capacity	kW	1,06	1,46	2,01	1,54	2,12	2,91	2,89	3,83	4,62	3,53	4,87	5,94
Water flow rate system side	I/h	93	128	176	135	186	255	254	336	405	310	427	521
Pressure drop system side	kPa	1	1	2	1	2	4	5	8	11	3	5	7
Heating performance 45 °C / 40 °C (2)													
Heating capacity	kW	0,52	0,73	1,00	0,76	1,05	1,44	1,44	1,90	2,29	1,75	2,42	2,95
Water flow rate system side	I/h	92	126	174	133	183	251	249	331	399	305	420	513
Pressure drop system side	kPa	1	1	2	2	2	2	5	8	11	7	12	18
Cooling performance 7 °C / 12 °C (3)													
Cooling capacity	kW	0,53	0,67	0,82	0,69	0,87	1,17	1,26	1,65	1,99	1,63	2,26	2,79
Sensible cooling capacity	kW	0,38	0,52	0,68	0,52	0,69	0,96	0,97	1,30	1,61	1,13	1,59	2,00
Water flow rate system side	l/h	94	117	145	122	153	206	220	289	349	286	394	487
Pressure drop system side	kPa	1	2	2	2	3	5	6	8	11	7	13	19
Fan													
Туре	type						Asynch	ronous					
Fan motor	type						Centr	ifugal					
Number	no.		1			1			2			2	
Air flow rate	m³/h	80	120	180	110	160	240	190	270	350	240	350	460
Input power	W	8	12	18	23	25	32	24	27	35	30	35	42
<u>Electrical wiring</u>		V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3
Sound power level	dB(A)	31,0	37,0	46,0	34,0	43,0	48,0	35,0	43,0	48,0	34,0	43,0	50,0
Sound pressure level (10 m)	dB(A)	23,0	29,0	38,0	26,0	35,0	40,0	27,0	35,0	40,0	26,0	33,0	42,0
Water coil													
Water content	- 1		0,30			0,40			0,60			0,80	
Diametre hydraulic fittings													
Main coil	Ø	1/2"											
Power supply													
Power supply							230V	~50Hz					

<sup>(1)</sup> 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) Room air temperature 27°C d.b./19°C w.b.; Water (in/out) 7 °C/12 °C; EUROVENT

### **DIMENSIONS**



Size			11	16	26	36
Dimensions and weights						
A	C,PC,S,UL	mm	513	513	513	513
В	C,PC,S,UL	mm	640	750	980	1200
C	C,PC,S,UL	mm	173	173	173	173
D	C,PC,S,UL	mm	93	93	93	93
Empty weight	C,PC,S,UL	kg	12	14	16	20

















# **Omnia ULI**

#### Universal and floor installation



- Electric saving equal to 50% compared to a fancoil with 3-speed motor.
- · Fully silent functioning
- · Ideal for residential or office solutions





#### **DESCRIPTION**

Fan coils with inverter technology for heating, cooling, and dehumidifying. Equipped with a state of the art ventilation unit with continuous modulation of the air flow rate, which allows for precise adaptation of the actual indoor ambient requirements without temperature oscillations, for increased comfort, also in terms of noise, and electrical savings.

It can be installed on 2-pipe systems and combined with any heat generator even at low temperatures. Choosing the optimal solution for any requirement is easy thanks to the various versions available and to the possibility of horizontal or vertical installation, depending on the version.

#### **VERSIONS**

C Vertical installation, intake at base, electronic thermostat

**PC** Vertical installation, intake at base, electronic thermostat, Cold Plasma purifier

**S** Vertical and horizontal installation, intake at base, without commands

#### **FEATURES**

#### Case

Protective metal cabinet with anti-corrosion polyester RAL 9002 paint, whereas the head with the air distribution grille is in RAL 7047 plastic.

#### **Ventilation group**

Comprised of a dual intake centrifugal fan that is particularly silent, statically and dynamically balanced and directly coupled to the motor shaft.

Brushless motor with continuous speed variation 0-100%.

The scroll that protects the fan can be extracted and inspected, for easy and effective cleaning.

#### **Heat exchanger coil**

With copper pipes and aluminium fins, the main coil 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.

■ The hydraulic connections can be inverted during installation.

#### Condensate drip

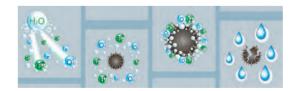
Provided standard in plastic and fixed to the interior structure; with external condensate discharge.

#### Air filter

The fan coils have, as standard, precharged electrostatic filters. These filters, thanks to their special execution, attracts and retains all suspended dust particles, thus garanteeing pure breathable air to the whole family.

#### APC versions equipped with Coldplasma Air purifier.

The purifier is able to reduce pollutants, decomposing their molecules using electrical charges, causing the water molecules in the air to split into positive and negative ions. These ions neutralise the molecules in the gaseous pollutants, obtaining products normally present in clean air. The device is able to eliminate 90% of the bacteria. The result is clean, ionized air, free of foul odours.



#### **ACCESSORIES**

**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.

PRO503: Wall box for AER503IR and VMF-E4 thermostats.

**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.

**TX:** Wall-mounting thermostat for controlling either brushless fan coils or those with asynchronous motors. 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-E19I: Thermostat for inverter unit to be fixed on the side of the

fan coil, fitted as standard with an air and water probe. VMF-E2D: User interface on the machine, to be combined with the VMF-F19 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 PAN-TONE 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.

**AMP:** Wall mounting kit

**DSC:** Condensate drainage device.

VCH: 3-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.

**VCHD:** 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.

BC: Condensate drip.

**GU:** Intake grid covers the front space between the ornamental feet and does not interfere with the filter.

**PCU:** Sheet metal panel closing the rear of the unit.

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

#### **ACCESSORIES COMPATIBILITY**

Model	Ver	16	26	36
AER503IR (1)	S	•	•	•
PR0503	S	•	•	•
SA5 (2)	S	•	•	•
SW3 (2)	C,PC,S	•	•	•
SW5 (2)	S	•	•	•
TX (1)	ς	•	•	•

- (1) Wall-mount installation.(2) Probe for AER503IR-TX thermostats, if fitted.

#### VMF system

Model	Ver	16	26	36
VMF-E19I	S	•	•	•
VMF-E2D	S	•	•	•
VMF-E3	S	•	•	•
VMF-E4DX	S	•	•	•
VMF-E4X	S	•	•	•
VMF-IR	S	•	•	•

#### Condensate drip

Model	Ver	16	26	36
BC10 (1)	C,PC,S	•	•	•
BC20 (2)	C,PC,S	•	•	•

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

#### Condensate drainage

Model	Ver	16	26	36
DSC5 (1)	C,PC	•	•	

(1) The accessory cannot be fit if the accessory BC10 or BC20 is installed.

Ver

#### 3 way valve kit

VCH	C,PC	•	•	•
•				
2 way valve kit				
Model	Ver	16	26	36
VCHD	C PC			

16

#### Wall mounting kit

Model	Ver	16	26	36
AMP10	C,PC	•	•	•

### Pair of stylish structural feet

Model	Ver	16	26	36
ZU	C,PC,S	•	•	•

#### Configuration

Field	Description
1,2,3	ULI
4,5	<b>Size</b> 16, 26, 36
6	Version
С	Vertical installation, intake at base, electronic thermostat
PC	Vertical installation, intake at base, electronic thermostat, Cold Plasma purifier
S	Vertical and horizontal installation, intake at base, without commands

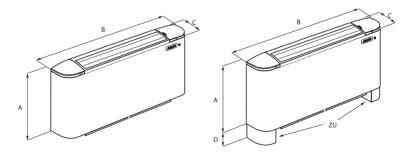
#### **PERFORMANCE SPECIFICATIONS**

#### 2-pipe

			ULI16			ULI26			ULI36	
		1	2	3	1	2	3	1	2	3
		L	M	Н	L	М	Н	L	М	Н
Heating performance 70 °C / 60 °C (1)					•					
Heating capacity	kW	1,54	2,12	2,91	2,89	3,83	4,62	3,53	4,87	5,94
Water flow rate system side	l/h	135	186	255	254	336	405	310	427	521
Pressure drop system side	kPa	1	2	4	5	8	11	3	5	7
Heating performance 45 °C / 40 °C (2)										
Heating capacity	kW	0,76	1,05	1,44	1,44	1,90	2,29	1,75	2,42	2,95
Water flow rate system side	l/h	133	183	251	249	331	399	305	420	513
Pressure drop system side	kPa	2	2	2	5	8	11	7	12	18
Cooling performance 7 °C / 12 °C (3)					•					
Cooling capacity	kW	0,69	0,87	1,17	1,26	1,65	1,99	1,63	2,26	2,79
Sensible cooling capacity	kW	0,52	0,69	0,96	0,97	1,30	1,61	1,13	1,59	2,00
Water flow rate system side	I/h	122	153	206	220	289	349	286	394	487
Pressure drop system side	kPa	2	3	5	6	8	11	7	13	19
Fan										
Туре	type					Centrifugal				
Fan motor	type					Inverter				
Number	no.		1			2			2	
Air flow rate	m³/h	110	160	240	190	270	350	240	350	460
Input power	W	23	25	32	24	27	35	30	35	42
Signal 0-10V	%	38	56	83	49	70	90	48	70	90
Sound power level	dB(A)	34,0	43,0	48,0	35,0	43,0	48,0	34,0	43,0	50,0
Sound pressure level (10 m)	dB(A)	26,0	35,0	40,0	27,0	35,0	40,0	26,0	33,0	42,0
Water coil										
Water content	1		0,40			0,60			0,80	
Diametre hydraulic fittings										
Main coil	Ø	1/2"								
Power supply										
Power supply		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) Room air temperature 27°C d.b./19°C w.b.; Water (in/out) 7 °C/12 °C; EUROVENT

#### **DIMENSIONS**



Size			16	26	36
Dimensions and weights					
A	C,PC,S	mm	513	513	513
В	C,PC,S	mm	750	980	1200
C	C,PC,S	mm	173	173	173
D	C,PC,S	mm	93	93	93
Empty weight	C,PC,S	kg	14	16	20

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.



















# **OMNIA RADIANT**

# Fan coils with radiant panel for residential use

Ceiling or floor mounted



- Low temperature radiation\*
- Ventilated heating
- · Cooling dehumidification
- · Energy saving
- Low operating cost
- \* Radiant technology under licence





#### **FEATURES**

#### Omnia Radiant and Omnia Radiant Plus Aermec innovative solutions

In this particular worldwide market evolution, we are pleased to present to you OMNIA Radiant, which represents the innovation of the OMNIA AERMEC series, fan coils especially designed for residential comfort.

**OMNIA Radiant** inherits all the advantages of the OMNIA UL series, and is characterized by the introduction of the frontal plate for radiant heating.

**OMNIA Radiant Plus** is provided with the DC Brushless electric engine, equipped with the latest Inverter technology, granting the highest energy efficiency and able to regulate the air flow through the continuous fan speed modulation. This allows to achieve up to 60% in energy saving when compared to the traditional On-Off fan system, in both air conditioning and heating.

OMNIA Radiant and Radiant Plus offer the following advantages when compared to the traditional systems:

- the radiant plate combination the finned coil allows the best winter comfort with the lower energy consumption because it provides heating with lower water temperature: only 45°C against the about 65°C needed for the traditional radiator. This not only increases the comfort for the user, but also significantly increases the overall efficiency in case of heat pumps usage;
- the fan system allows to quickly reach the desired temperature, meeting the requirement of a fast start-up;
- the unit can be combined other than the boiler, also to energy saving heat pumps: air to water, water to water and geothermic type;
- the electrostatic charge filter standard supplied, provides pure and clean
- during summer Omnia Radiant and Radiant Plus provide air conditioning and dehumidification in a fast and efficient way in every room.

#### The four different working modes of Omnia Radiant annual functioning

#### Radiant

Heating through radiation, comfortable and noiseless, is granted by the radiant plate placed on the front of the fan coil cover; if necessary, the triple-fins delivery head can be closed to increases the heating of the plate, thus maximizing the radiant effect.

#### Radiant + Natural Convection

With the triple-fins open, heating through natural convection, obtained thanks to the bigger coil exchange surface, is added to the radiant heating. As for the radiant-only mode (see above), the fan groups are in off mode. This results in acoustic comfort and energy saving.

#### **Radiant + Forced Convection**

The electronic regulation, precise and reliable, continuously compares the effective indoor temperature with the desired temperature: whenever the difference between the two should prove to be too high (e.g. during the heating system start-up) the software will lead the fan system start-up. Start-up is fast and efficient and grants significant energy savings especially in rooms that are occasionally used.

# Omnia Radiant during summer provides air conditioning and dehumidification:









#### **Forced Convection**

During summer, Omnia Radiant and Radiant Plus provide air conditioning and dehumidification for each room of the house in a fast and efficient way. Efficiency and quietness benefit from the quality that has always characterized the Omnia series.

#### **FEATURES OF THE OMNIA RADIANT SERIES**

- Radiant plate
- Switching valve
- Water probe
- Condensate storage container, hydraulic hoses



#### **VCHRAD** accessory

#### OMNIA radiant (UL\_R) standard features:

- Radiant panel
- Centrifugal fans
- Three-speed motor
- Condensate storage container, hydraulic hoses
- Switching valve
- Water probe
- Electro-statically preloaded filter
- VMF-thermostat for asynchronous motor
- $-- Compatible \ with \ VMF \ system$

#### OMNIA radiant plus (UL\_RI) standard features:

- Radiant panel
- Centrifugal fans
- Electric DC Brushless motor with Inverter
- Condensate storage container, hydraulic hoses
- Water probe
- Switching valve
- Electro-statically preloaded filter
- VMF thermostat for DC Brushless motor
- Compatible with VMF system

#### **ACCESSORIES**

**PCU:** Rear closing panel.

**ZU:** Wedges for floor mount.

**GU:** Exhaust grille: covers the front space of the wedges and does not interfere with the air filter. **Must be combined with ZU wedges.** 

#### Cleaning the fan

The fan blades on the Omnia Radiant are easy to clean. As a matter of fact, the new versions now offer the possibility of opening the worm screw of the fan (the casing that encloses the blades) to perform routine cleaning.

#### **Electro-statically preloaded filter**

The Omnia Radiant fan coils feature standard air filters that are electro-statically preloaded. These filters, thanks to their particular construction, absorb and trap floating dust: the ideal system to provide clean air for all the family.

#### Silent operation

Thanks to special centrifugal fans, Omnia Radiant fan coils are incredibly silent, making them the best buy when it comes to acoustic comfort, given the total lack of peak noise. "The heating by radiation at top speed ensures total silence regime"

Note: The coil had hydraulic hoses on the left and is not reversible.

**VCHRAD:** Kit comprising motorized 3-way valve, unions and copper pipes. **VMF System:** Its specs are described in its technical sheet.

#### **ACCESSORIES COMPATIBILITY**

·	0mnia	radiant	Omnia Radiant plus		
	UL26R	UL36R	UL26RI	UL36RI	
PCU	25	35	25	35	
GU	25	35	25	35	
VCHRAD	•	•	•	•	
ZU	•	•	•	•	
VMF system					
VMF-E4X (compulsory accessory)	•	•	•	•	
VMF-E4DX (compulsory accessory)	•	•	•	•	
VMF-E5B	(1)	(1)	•	•	
VMF-E5N	(1)	(1)	•	•	

(1) Contact us

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#### **TECHNICAL DATA**

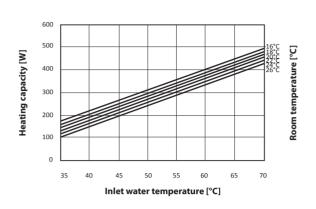
Omnia UL_R				26			36	
Fan speed Heating Performance			H	M	L	H	M	L
2 pipe conÿ guration								
Heating capacity (70°C)	(1)	kW	4,62	3,83	2,89	5,94	4,87	3,53
Heating capacity (70°C)	(2)	kW	4,02	2,75	2,07	3,74	3,54	3,33
Water flow rate	(2)	I/h		397			511	
Pressure drop		kPa		17			21	
Static heating power (70°C)	(3)	kW		0,65			0,75	
Static heating power (50°C)	(4)	kW		0,39			0,45	
Static heating power (35 °C)	(5)	kW		0,20			0,23	
Cooling Performance	(5)	KVV		0,20			0,23	
Total cooling capacity	(6)	kW	2,03	1,78	1,42	2,83	2,31	1,73
Sensible cooling capacity	(6)	kW	1,64	1,37	1,05	2,04	1,79	1,28
Water flow rate	(6)	I/h	.,	349	.,05	2,0 .	487	.,20
Pressure drops	(6)	kPa		18			22	
Water content	(0)			0,8			1,1	
Fans		· · · · · · · · · · · · · · · · · · ·		0,0			.,.	
Fans		type/n°			centrif	iugal/2		
Air flow rate		m³/h	350	270	190	460	350	240
Sound data		/ 11	550	2,0	.,,,	.50	550	
Sound power level	(7)	dB(A)	48	43	35	50	43	34
Sound pressure level	\· /	dB(A)	40	35	27	40	33	26
Diameter connections					=-	.•		
Standard coil		Ø(mm)		14			14	
Electrical Features		~ ()						
Absorbed power		W		35			42	
Max. input current		A		0,18			0,22	
Electrical connections			V3	V2	V1	V3	V2	V1
Power supply	V/	ph/Hz			230V-			
Energy E° ciency classiÿ cation (EUROVENT)		P-1/112			2501	301.12		
FCEER				D			D	
FCCOP	(8)			D			D	
A				24			36	
Omnia UL_RI				26			30	
Fan speed			Н	26 M	L	Н	M	L
Fan speed Heating Performance			Н		L	Н		L
Fan speed Heating Performance 2 pipe conÿ guration			Н			Н	М	L
Fan speed Heating Performance 2 pipe cony guration Heating capacity (70°C)	(1)	kW	<b>H</b> 4,62	M 3,83	L 2,89	<b>H</b> 5,94	M 4,87	L 3,53
Fan speed Heating Performance 2 pipe conÿ guration	(1)	kW		М			М	
Fan speed Heating Performance 2 pipe conÿ guration Heating capacity (70°C) Heating capacity (50°C) Water flow rate		kW I/h		3,83 2,75 397			4,87 3,54 511	
Fan speed Heating Performance 2 pipe conÿ guration Heating capacity (70°C) Heating capacity (50°C) Water flow rate Pressure drop	(2)	kW I/h kPa		3,83 2,75 397 17			4,87 3,54 511 21	
Fan speed Heating Performance 2 pipe conÿ guration Heating capacity (70°C) Heating capacity (50°C) Water flow rate Pressure drop Static heating power (70°C)	(2)	kW I/h kPa kW		3,83 2,75 397 17 0,65			4,87 3,54 511 21 0,75	
Fan speed Heating Performance 2 pipe conÿ guration Heating capacity (70°C) Heating capacity (50°C) Water flow rate Pressure drop Static heating power (70°C) Static heating power (50°C)	(3) (4)	kW I/h kPa kW kW		3,83 2,75 397 17			4,87 3,54 511 21 0,75 0,45	
Fan speed Heating Performance 2 pipe conÿ guration Heating capacity (70°C) Heating capacity (50°C) Water flow rate Pressure drop Static heating power (70°C) Static heating power (50°C) Static heating power (35°C)	(2)	kW I/h kPa kW		3,83 2,75 397 17 0,65			4,87 3,54 511 21 0,75	
Fan speed Heating Performance 2 pipe conÿ guration Heating capacity (70°C) Heating capacity (50°C) Water flow rate Pressure drop Static heating power (70°C) Static heating power (50°C) Static heating power (35°C) Cooling Performance	(3) (4) (5)	kW I/h kPa kW kW	4,62	M 3,83 2,75 397 17 0,65 0,39 0,20	2,89	5,94	M 4,87 3,54 511 21 0,75 0,45 0,23	3,53
Fan speed Heating Performance 2 pipe con'y guration Heating capacity (70°C) Heating capacity (50°C) Water flow rate Pressure drop Static heating power (70°C) Static heating power (50°C) Static heating power (35°C) Cooling Performance Total cooling capacity	(3) (4) (5)	kW I/h kPa kW kW kW	4,62 2,03	M 3,83 2,75 397 17 0,65 0,39 0,20	2,89	5,94 2,83	M 4,87 3,54 511 21 0,75 0,45 0,23	3,53 1,73
Fan speed Heating Performance 2 pipe cony guration Heating capacity (70°C) Heating capacity (50°C) Water flow rate Pressure drop Static heating power (70°C) Static heating power (50°C) Static heating power (35°C) Cooling Performance Iotal cooling capacity Sensible cooling capacity	(2) (3) (4) (5) (6) (6)	kW I/h kPa kW kW kW	4,62	M 3,83 2,75 397 17 0,65 0,39 0,20 1,78 1,37	2,89	5,94	M 4,87 3,54 511 21 0,75 0,45 0,23 2,31 1,79	3,53
Fan speed Heating Performance 2 pipe cony guration Heating capacity (70°C) Heating capacity (50°C) Water flow rate Pressure drop Static heating power (70°C) Static heating power (50°C) Static heating power (35°C) Cooling Performance Total cooling capacity Sensible cooling capacity Water flow rate	(2) (3) (4) (5) (6) (6) (6) (6)	kW I/h kPa kW kW kW kW	4,62 2,03	M 3,83 2,75 397 17 0,65 0,39 0,20	2,89	5,94 2,83	M 4,87 3,54 511 21 0,75 0,45 0,23 2,31 1,79 487	3,53 1,73
Fan speed Heating Performance 2 pipe cony guration Heating capacity (70°C) Heating capacity (50°C) Water flow rate Pressure drop Static heating power (70°C) Static heating power (50°C) Static heating power (35°C) Cooling Performance Iotal cooling capacity Sensible cooling capacity Water flow rate Pressure drops	(2) (3) (4) (5) (6) (6)	kW I/h kPa kW kW kW	4,62 2,03	3,83 2,75 397 17 0,65 0,39 0,20 1,78 1,37 349	2,89	5,94 2,83	M 4,87 3,54 511 21 0,75 0,45 0,23 2,31 1,79 487 22	3,53 1,73
Fan speed Heating Performance 2 pipe cony guration Heating capacity (70°C) Heating capacity (50°C) Water flow rate Pressure drop Static heating power (70°C) Static heating power (50°C) Static heating power (35°C) Cooling Performance Total cooling capacity Sensible cooling capacity Water flow rate Pressure drops Water content	(2) (3) (4) (5) (6) (6) (6) (6)	kW I/h kPa kW kW kW kW	4,62 2,03	M 3,83 2,75 397 17 0,65 0,39 0,20 1,78 1,37 349	2,89	5,94 2,83	M 4,87 3,54 511 21 0,75 0,45 0,23 2,31 1,79 487	3,53 1,73
Fan speed Heating Performance 2 pipe conÿ guration Heating capacity (70°C) Heating capacity (50°C) Water flow rate Pressure drop Static heating power (70°C) Static heating power (50°C) Static heating power (35°C) Cooling Performance Total cooling capacity Sensible cooling capacity Water flow rate Pressure drops Water content Fans	(2) (3) (4) (5) (6) (6) (6) (6)	kW I/h kPa kW kW kW  kW I/h kPa I/h kPa I	4,62 2,03	3,83 2,75 397 17 0,65 0,39 0,20 1,78 1,37 349	2,89 1,42 1,05	2,83 2,04	M 4,87 3,54 511 21 0,75 0,45 0,23 2,31 1,79 487 22	3,53 1,73
Fan speed Heating Performance 2 pipe con'y guration Heating capacity (70°C) Heating capacity (50°C) Water flow rate Pressure drop Static heating power (70°C) Static heating power (50°C) Static heating power (35°C) Cooling Performance Total cooling capacity Sensible cooling capacity Water flow rate Pressure drops Water content Fans Fans	(2) (3) (4) (5) (6) (6) (6) (6)	kW I/h kPa kW kW kW  kW I/h kPa I  type/n°	2,03 1,64	M  3,83 2,75 397 17 0,65 0,39 0,20  1,78 1,37 349 18 0,8	2,89  1,42 1,05  centrif	2,83 2,04	M 4,87 3,54 511 21 0,75 0,45 0,23 2,31 1,79 487 22 1,1	1,73 1,28
Fan speed Heating Performance 2 pipe con'y guration Heating capacity (70°C) Heating capacity (50°C) Water flow rate Pressure drop Static heating power (70°C) Static heating power (50°C) Static heating power (35°C) Cooling Performance Total cooling capacity Sensible cooling capacity Water flow rate Pressure drops Water content Fans Fans Air flow rate	(2) (3) (4) (5) (6) (6) (6) (6)	kW I/h kPa kW kW kW  kW I/h kPa I/h kPa I	4,62 2,03	3,83 2,75 397 17 0,65 0,39 0,20 1,78 1,37 349	2,89 1,42 1,05	2,83 2,04	M 4,87 3,54 511 21 0,75 0,45 0,23 2,31 1,79 487 22	3,53 1,73
Fan speed Heating Performance 2 pipe con'y guration Heating capacity (70°C) Heating capacity (50°C) Water flow rate Pressure drop Static heating power (70°C) Static heating power (50°C) Static heating power (35°C) Cooling Performance Total cooling capacity Sensible cooling capacity Water flow rate Pressure drops Water content Fans Fans Air flow rate Sound data	(2) (3) (4) (5) (6) (6) (6) (6) (6)	kW I/h kPa kW kW kW  kW  I/h kPa I type/n° m³/h	2,03 1,64	M  3,83 2,75 397 17 0,65 0,39 0,20  1,78 1,37 349 18 0,8	2,89  1,42 1,05  centrif 190	2,83 2,04	M  4,87 3,54 511 21 0,75 0,45 0,23  2,31 1,79 487 22 1,1	1,73 1,28
Fan speed Heating Performance 2 pipe cony guration Heating capacity (70°C) Heating capacity (50°C) Water flow rate Pressure drop Static heating power (70°C) Static heating power (50°C) Static heating power (35°C) Cooling Performance Total cooling capacity Sensible cooling capacity Water flow rate Pressure drops Water content Fans Fans Air flow rate Sound data Sound power level	(2) (3) (4) (5) (6) (6) (6) (6)	kW I/h kPa kW kW kW I/h kPa I I type/n° m³/h dB(A)	2,03 1,64 350	M  3,83 2,75 397 17 0,65 0,39 0,20  1,78 1,37 349 18 0,8	2,89  1,42 1,05  centrif 190	2,83 2,04 ugal/2 460	M  4,87 3,54 511 21 0,75 0,45 0,23  2,31 1,79 487 22 1,11  350	1,73 1,28 240
Fan speed Heating Performance 2 pipe cony guration Heating capacity (70°C) Heating capacity (50°C) Water flow rate Pressure drop Static heating power (70°C) Static heating power (30°C) Cooling Performance Total cooling capacity Sensible cooling capacity Water flow rate Pressure drops Water content Fans Fans Air flow rate Sound data Sound power level Sound pressure level	(2) (3) (4) (5) (6) (6) (6) (6) (6)	kW I/h kPa kW kW kW  kW  I/h kPa I type/n° m³/h	2,03 1,64	M  3,83 2,75 397 17 0,65 0,39 0,20  1,78 1,37 349 18 0,8	2,89  1,42 1,05  centrif 190	2,83 2,04	M  4,87 3,54 511 21 0,75 0,45 0,23  2,31 1,79 487 22 1,1	1,73 1,28
Fan speed Heating Performance 2 pipe cony guration Heating capacity (70°C) Heating capacity (50°C) Water flow rate Pressure drop Static heating power (70°C) Static heating power (30°C) Cooling Performance Total cooling capacity Sensible cooling capacity Water flow rate Pressure drops Water content Fans Fans Fans Air flow rate Sound data Sound power level Sound pressure level Diameter connections	(2) (3) (4) (5) (6) (6) (6) (6) (6)	kW I/h kPa kW kW kW I/h kPa I type/n° m³/h dB(A) dB(A)	2,03 1,64 350	M  3,83 2,75 397 17 0,65 0,39 0,20  1,78 1,37 349 18 0,8	2,89  1,42 1,05  centrif 190	2,83 2,04 ugal/2 460	M 4,87 3,54 511 21 0,75 0,45 0,23 2,31 1,79 487 22 1,1	1,73 1,28 240
Fan speed Heating Performance 2 pipe conÿ guration Heating capacity (70°C) Heating capacity (50°C) Water flow rate Pressure drop Static heating power (70°C) Static heating power (50°C) Static heating power (35°C) Cooling Performance Total cooling capacity Sensible cooling capacity Water flow rate Pressure drops Water content Fans Fans Air flow rate Sound data Sound power level Sound pressure level Diameter connections Standard coil	(2) (3) (4) (5) (6) (6) (6) (6) (6)	kW I/h kPa kW kW kW I/h kPa I I type/n° m³/h dB(A)	2,03 1,64 350	M  3,83 2,75 397 17 0,65 0,39 0,20  1,78 1,37 349 18 0,8	2,89  1,42 1,05  centrif 190	2,83 2,04 ugal/2 460	M  4,87 3,54 511 21 0,75 0,45 0,23  2,31 1,79 487 22 1,11  350	1,73 1,28 240
Fan speed Heating Performance 2 pipe con'y guration Heating capacity (70°C) Heating capacity (50°C) Water flow rate Pressure drop Static heating power (70°C) Static heating power (50°C) Static heating power (35°C) Cooling Performance Total cooling capacity Sensible cooling capacity Water flow rate Pressure drops Water content Fans Fans Air flow rate Sound data Sound power level Sound pressure level Diameter connections Standard coil Electrical Features	(2) (3) (4) (5) (6) (6) (6) (6) (6)	kW	2,03 1,64 350	M  3,83 2,75 397 17 0,65 0,39 0,20  1,78 1,37 349 18 0,8  270  43 35	2,89  1,42 1,05  centrif 190	2,83 2,04 ugal/2 460	M  4,87 3,54 511 21 0,75 0,45 0,23  2,31 1,79 487 22 1,1 350  43 33	1,73 1,28 240
Fan speed Heating Performance 2 pipe con'y guration Heating capacity (70°C) Heating capacity (50°C) Water flow rate Pressure drop Static heating power (70°C) Static heating power (50°C) Static heating power (35°C) Cooling Performance Total cooling capacity Sensible cooling capacity Water flow rate Pressure drops Water content Fans Fans Air flow rate Sound data Sound power level Sound pressure level Diameter connections Standard coil Electrical Features Absorbed power	(2) (3) (4) (5) (6) (6) (6) (6) (6)	kW I/h kPa kW kW kW kW I/h kPa I Type/n° m³/h dB(A) dB(A) Ø(mm)	2,03 1,64 350	M  3,83 2,75 397 17 0,65 0,39 0,20  1,78 1,37 349 18 0,8  270  43 35	2,89  1,42 1,05  centrif 190	2,83 2,04 ugal/2 460	M  4,87 3,54 511 21 0,75 0,45 0,23  2,31 1,79 487 22 1,1 350  43 33 14	1,73 1,28 240
Fan speed Heating Performance 2 pipe cony guration Heating capacity (70°C) Heating capacity (70°C) Water flow rate Pressure drop Static heating power (70°C) Static heating power (50°C) Static heating power (35°C) Cooling Performance Total cooling capacity Sensible cooling capacity Water flow rate Pressure drops Water content Fans Fans Air flow rate Sound data Sound power level Sound pressure level Diameter connections Standard coil Electrical Features Absorbed power Max. input current	(2) (3) (4) (5) (6) (6) (6) (6) (6)	kW	2,03 1,64 350 48 40	M  3,83 2,75 397 17 0,65 0,39 0,20  1,78 1,37 349 18 0,8  270  43 35	2,89  1,42 1,05  centrif 190  35 27	2,83 2,04 2,04 2,04 50 40	M  4,87 3,54 511 21 0,75 0,45 0,23  2,31 1,79 487 22 1,1  350  43 33  14	1,73 1,28 240 34 26
Fan speed Heating Performance 2 pipe conÿ guration Heating capacity (70°C) Heating capacity (50°C) Water flow rate Pressure drop Static heating power (70°C) Static heating power (50°C) Static heating power (35°C) Cooling Performance Total cooling capacity Sensible cooling capacity Water flow rate Pressure drops Water content Fans Fans Air flow rate Sound data Sound power level Sound pressure level Diameter connections Standard coil Electrical Features Absorbed power Max. input current Signal 0-10V	(2) (3) (4) (5) (6) (6) (6) (6) (7)	kW I/h kPa kW kW kW kW I/h kPa I I type/n° m³/h dB(A) dB(A) Ø(mm) W A	2,03 1,64 350	M  3,83 2,75 397 17 0,65 0,39 0,20  1,78 1,37 349 18 0,8  270  43 35	2,89  1,42 1,05  centrif 190 35 27	2,83 2,04 2,04 2,04 50 40	M  4,87 3,54 511 21 0,75 0,45 0,23  2,31 1,79 487 22 1,1 350  43 33 14	1,73 1,28 240
Fan speed Heating Performance 2 pipe cony guration Heating capacity (70°C) Heating capacity (50°C) Water flow rate Pressure drop Static heating power (70°C) Static heating power (50°C) Static heating power (35°C) Cooling Performance Total cooling capacity Sensible cooling capacity Water flow rate Pressure drops Water content Fans Fans Air flow rate Sound data Sound power level Sound pressure level Diameter connections Standard coil Electrical Features Absorbed power Max. input current Signal 0-10V Power supply	(2) (3) (4) (5) (6) (6) (6) (6) (7)	kW I/h kPa kW kW kW kW I/h kPa I Type/n° m³/h dB(A) dB(A) Ø(mm)	2,03 1,64 350 48 40	M  3,83 2,75 397 17 0,65 0,39 0,20  1,78 1,37 349 18 0,8  270  43 35	2,89  1,42 1,05  centrif 190  35 27	2,83 2,04 2,04 2,04 50 40	M  4,87 3,54 511 21 0,75 0,45 0,23  2,31 1,79 487 22 1,1  350  43 33  14	1,73 1,28 240 34 26
Fan speed Heating Performance 2 pipe cony guration Heating capacity (70°C) Heating capacity (50°C) Water flow rate Pressure drop Static heating power (70°C) Static heating power (50°C) Static heating power (35°C) Cooling Performance Total cooling capacity Sensible cooling capacity Water flow rate Pressure drops Water content Fans Fans Air flow rate Sound data Sound power level Sound pressure level Diameter connections Standard coil Electrical Features Absorbed power Max. input current Signal 0-10V Power supply Energy E° ciency classiy cation (EUROVENT)	(2) (3) (4) (5) (6) (6) (6) (6) (7)	kW I/h kPa kW kW kW kW I/h kPa I I type/n° m³/h dB(A) dB(A) Ø(mm) W A	2,03 1,64 350 48 40	M  3,83 2,75 397 17 0,65 0,39 0,20  1,78 1,37 349 18 0,8  270  43 35  14  12 0,18 7V	2,89  1,42 1,05  centrif 190 35 27	2,83 2,04 2,04 2,04 50 40	M  4,87 3,54 511 21 0,75 0,45 0,23  2,31 1,79 487 22 1,1  350  43 33  14  16 0,22 7V	1,73 1,28 240 34 26
Fan speed Heating Performance 2 pipe conÿ guration Heating capacity (70°C) Heating capacity (50°C) Water flow rate Pressure drop Static heating power (70°C) Static heating power (50°C) Static heating power (35°C) Cooling Performance Total cooling capacity Sensible cooling capacity Water flow rate Pressure drops Water content Fans Fans Air flow rate Sound power level Sound pressure level Diameter connections Standard coil Electrical Features Absorbed power Max. input current Signal 0-10V Power supply Energy E° ciency classiÿ cation (EUROVENT) FCEER	(2) (3) (4) (5) (6) (6) (6) (6) (7)	kW I/h kPa kW kW kW kW I/h kPa I I type/n° m³/h dB(A) dB(A) Ø(mm) W A	2,03 1,64 350 48 40	M  3,83 2,75 397 17 0,65 0,39 0,20  1,78 1,37 349 18 0,8  270  43 35  14  12 0,18 7V	2,89  1,42 1,05  centrif 190 35 27	2,83 2,04 2,04 2,04 50 40	M  4,87 3,54 511 21 0,75 0,45 0,23  2,31 1,79 487 22 1,1 350  43 33 14 16 0,22 7V	1,73 1,28 240 34 26
Fan speed Heating Performance 2 pipe cony guration Heating capacity (70°C) Heating capacity (50°C) Water flow rate Pressure drop Static heating power (70°C) Static heating power (50°C) Static heating power (35°C) Cooling Performance Total cooling capacity Sensible cooling capacity Water flow rate Pressure drops Water content Fans Fans Air flow rate Sound data Sound power level Sound pressure level Diameter connections Standard coil Electrical Features Absorbed power Max. input current Signal 0-10V Power supply Energy E° ciency classiy cation (EUROVENT)	(2) (3) (4) (5) (6) (6) (6) (6) (7)	kW I/h kPa kW kW kW kW I/h kPa I I type/n° m³/h dB(A) dB(A) Ø(mm) W A	2,03 1,64 350 48 40	M  3,83 2,75 397 17 0,65 0,39 0,20  1,78 1,37 349 18 0,8  270  43 35  14  12 0,18 7V	2,89  1,42 1,05  centrif 190 35 27	2,83 2,04 2,04 2,04 50 40	M  4,87 3,54 511 21 0,75 0,45 0,23  2,31 1,79 487 22 1,1  350  43 33  14  16 0,22 7V	1,73 1,28 240 34 26

H max. speed; M med. speed; L min. speed
(1) Room air 20°C b.s.; Water (in/out) 70°C/60°C;
(2) Room air 20°C b.s.; Water (in) 50°C; Water flow rate as in cooling mode (EUROVENT)
(3) Radiant power + natural convection; Hot water (in) 70°C (water flow same as in heating cycle)
(4) Room temperature 20°C b.s.; Hot water (in/\*) 50°C/\*°C (water flow same as in heating cycle)
(5) Radiant power + natural convection; Hot water (in/\*) 55°C/\*°C (water flow same as in heating cycle)
(6) Room air 27°C b.s./19°C b.u.; Water (in/out) 7°C/12°C (EUROVENT)
(7) Sound power: Aermec determines sound power values on the basis of measurements made in accordance with UNI EN 16583:15, as required for Eurovent certification Level of sound pressure (A-weighted) measured in the room with volume V = 85m3; reverberation time t = 0.5s; direction factor Q = 2; distance r = 2.5m
(8) FCCOP Related to: Room air 20°C b.s.; Water (in) 50°C; Water flow rate as in cooling mode

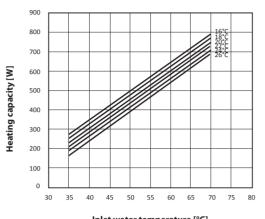
Note: For more information, please refer to the program selection and the technical documentation available on the website www.aermec.com

#### **HEATING CAPACITY WITH FAN OFF**

UL26R - UL26RI



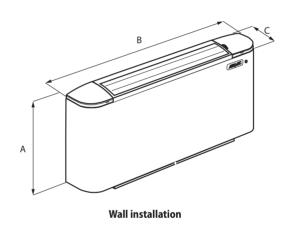
UL36R - UL36RI

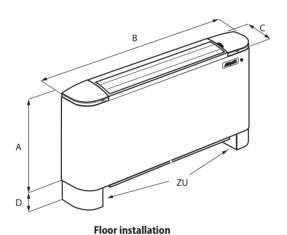


Room temperature [°C]

Inlet water temperature [°C]

#### **DIMENSIONS**





Omnia UL\_R - UL\_RI

Size			26	36
Dimensions and weights				
Height	A	mm	513	513
Width	В	mm	980	1200
Depth	C	mm	173	173
Height ZU (Accessories)	D	mm	93	93
Weight	(1)	kg	20	24

(1) Standard configuration of unit with accessories

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.