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AERMEC

OMNIA UL

Fan coils Universal installations

КЛИЕНТСКИ ЦЕНИ В ЛВ. БЕЗ ДДС

UNIT		Vers.	12	17	27	37
UL	version with switch and cabinet	UL	453 лв.	489 лв.	546 лв.	597 лв.
	version without switch; with cabinet	S	437 лв.	453 лв.	538 лв.	578 лв.
	version with electronic thermostat and cabinet	C	568 лв.	592 лв.	662 лв.	720 лв.
	version with electronic thermostat, Cold Plasma purifier and with cabinet	PC	597 лв.	617 лв.	703 лв.	743 лв.
	version with cabinet and Radiant front panel,without switch	R	-	-	929 лв.	996 лв.
	version with cabinet and Radiant front panel, Brushless motor with inverter; without switch	RI	-	-	1,124 лв.	1,190 лв.
UNIT		Vers.	11	16	26	36
UL	Without shell, vertical and horizontal installation, lower intake, without commands	P	348 лв.	384 лв.	447 лв.	485 лв.
	Without shell, vertical and horizontal installation, front intake, without commands	PAF	386 лв.	418 лв.	483 лв.	522 лв.

ACCESSORIES			12	17	27	37
AMP10	Celing mounting kit	UL-C-PC	13 лв.	13 лв.	13 лв.	13 лв.
BC10	Condensate drip tray for vertical installation	ALL	13 лв.	13 лв.	13 лв.	13 лв.
BC20	Condensate drip tray for horizontal installation	ALL	15 лв.	15 лв.	15 лв.	15 лв.
DSC7/5	Condensate drainage device	ALL	265 лв.	265 лв.	265 лв.	265 лв.
GU12	Aspiration grille	UL-S-C-PC	25 лв.	-	-	-
GU17	Aspiration grille	UL-S-C-PC	-	30 лв.	-	-
GU27	Aspiration grille	UL-S-C-PC-R-RI	-	-	39 лв.	-
GU37	Aspiration grille	UL-S-C-PC-R-RI	-	-	-	45 лв.
PCU12	Rear panel	UL-S-C-PC	54 лв.	-	-	-
PCU17	Rear panel	UL-S-C-PC	-	58 лв.	-	-
PCU27	Rear panel	UL-S-C-PC-R-RI	-	-	63 лв.	-
PCU37	Rear panel	UL-S-C-PC-R-RI	-	-		71 лв.
SIT3	Interface card	S-P	91 лв.	91 лв.	91 лв.	91 лв.
SIT5	Interface card	S-P	100 лв.	100 лв.	100 лв.	100 лв.
VCH	Three-way valve kit	ALL	190 лв.	190 лв.	190 лв.	190 лв.
VCHD	2-way valve kit	ALL	109 лв.	109 лв.	109 лв.	109 лв.
ZU1	Feet	UL-S-C-PC-R-RI	44 лв.	44 лв.	44 лв.	44 лв.
VCHARD	3-way valve,unions and copper pipes	R	-	-	204 лв.	204 лв.
VENTILCASSAFORMA			11	16	26	36
CHU12L	Omnia UL11	p	210 лв.	-	-	-
CHU17L	Omnia UL16	p	-	289 лв.	-	-
CHU27L	Omnia UL26	p	-	-	322 лв.	
CHU37L	Omnia UL36	p	-	-	-	390 лв.
CONTROL PANEL			11	16	26	36
AER503iR	LCD Wall-mounted thermostat	S-P	128 лв.	128 лв.	128 лв.	128 лв.
SA5	air probe	S	89 лв.	89 лв.	89 лв.	89 лв.
SW3	water temperature probe	ALL	38 лв.	38 лв.	38 лв.	38 лв.
SW5	water probe kit (L = 15m) with probe-holder	S	89 лв.	89 лв.	89 лв.	89 лв.
PRO503	wall box	S	59 лв.	59 лв.	59 лв.	59 лв.
TX	Wall-mounting thermostat	S-P	35 лв.	35 лв.	35 лв.	35 лв.
WMT10	Wall thermostat	S-P	80 лв.	80 лв.	80 лв.	80 лв.
WMT16	Wall thermostat	S-P	91 лв.	91 лв.	91 лв.	91 лв.
VMF SYSTEM						
DI24	2.4"touch screen display to be comb.VMF-E19(I). Wi-Fi with AerSuite APP	S	273 лв.	273 лв.	273 лв.	273 лв.
VMF-E19	Thermostat for VMF system build in side of fan coil	S	182 лв.	182 лв.	182 лв.	182 лв.
VMF-E2U	User interface on the machine, to be combined with the VMF-E19	S	82 лв.	82 лв.	82 лв.	82 лв.
VMF-E3	Wall mounted user interface	S	112 лв.	112 лв.	112 лв.	112 лв.
VMF-E4X	Wall interface for VMF	S-P-R-RI	112 лв.	112 лв.	112 лв.	112 лв.
VMF-E4DX	Wall interface for VMF	S-P-R-RI	112 лв.	112 лв.	112 лв.	112 лв.
VMF-IR	User interface compatible with the AER503IR, VMF-E3 thermostat	S-P	130 лв.	130 лв.	130 лв.	130 лв.
VMHI	Panel can be a user interface for VMF-E19	S-P	182 лв.	182 лв.	182 лв.	182 лв.
VMF-I0	Manage the unit exclusively from a centralized VMF control panel without area control panel.	P-PAF	120 лв.	120 лв.	120 лв.	120 лв.
VMF-IR	User interface compatible with the AER503IR, VMF-E3 thermostat and with all the grids of cassettes equipped with the infrared receiver compatible	P-PAF	40 лв.	40 лв.	40 лв.	40 лв.
VMF-SW1	Water probe (L = 2.5m) used if required in place of the standard unit supplied with the VMF-E19 and VMF-E19I thermostats for maximum	P-PAF	38 лв.	38 лв.	38 лв.	38 лв.
VMF-SW	Water probe (L = 2.5m) used if required in place of the standard unit supplied with the VMF-E19 and VMF-E19I	P-PAF	38 лв.	38 лв.	38 лв.	38 лв.
VMF-E5B	White recessed panel with backlit graphic LCD display and capacitive keyboard	RI	302 лв.	302 лв.	302 лв.	302 лв.
VMF-E5N	Black recessed panel with backlit graphic LCD display and capacitive keyboard, it allows the centralised command/control	RI	302 лв.	302 лв.	302 лв.	302 лв.

Omnia UL

Fan coil for universal installation

- **Fully silent functioning**
- **Ideal for residential or office solutions**

DESCRIPTION

fan coil can be installed in any 2 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.

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 9003 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.

Finned pack heat exchanger

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

■ *The hydraulic connections can be inverted during installation.*

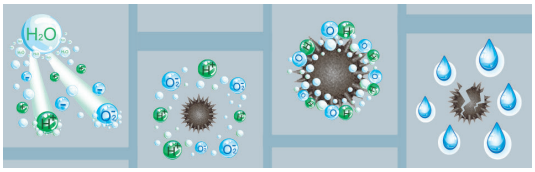
Condensate drip

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

Control panels and dedicated 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 for 2/4 pipe. In 2-pipe systems, the thermostat can control standard fan coils or those equipped with an electric heater, with air purifying devices, radiant plate or FCZ-D twin delivery (Dualjet).
WMT10: Electronic thermostat, white, with thermostated or continuous ventilation.
WMT16: Electronic thermostat with thermostated ventilation.

AerSuite

The AerSuite application is used to remotely control the DI24 user interface, with VMF-E19/VMF-E19I thermostats, using Smart Devices with iOS and Android operating systems.
This is an application for Smartphones and Tablets with which the user can access and control the system operation remotely.
For more information about the use of the application and the available functions, refer to the respective documentation on the website.

VMF system

DI24: Flush-mounted interface (503 box) with 2.4" touch screen display to be combined with VMF-E19, VMF-E19I accessories. It allows you to regulate and monitor the temperature inside rooms precisely and on time; in addition to accessing and interacting with your system's operating information, parameters and alarms, it allows you to set time slots. Thanks to its Wi-Fi connection, DI24 in combination with the AerSuite APP (available for Android and iOS) can also be remotely controlled. All programming and most functions are done in a simple and intuitive way using the APP. To allow for customization of the interface so that it seamlessly integrates with the style of any home, DI24 is compatible with switch plates from major brands available on the market. For more information, please refer to our documentation. However, a switch plate with its graphite gray support, DI24CP, is also available as a separate accessory in our catalog.
DI24CP: Complete flush-mounted interface plate with support for DI24, Vimar brand, Arké series, graphite gray color.
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-E2U: User interface on the machine, to be combined with the VMF-E19 and VMF-E19I accessory. It has 2 selector switches, one for temperature and the other for speed control.
VMF-E3: Wall mounted user interface, to be combined with accessories VMF-E19, VMF-E19I, with grids GLF_N/M and GLL_N, can be controlled with VMF-IR control.
VMF-E4DX: Wall-mounted user interface. Grey front panel PANTONE 425C (METAL).
VMF-E4X: Wall-mounted user interface. Light grey front panel PANTONE COOL GRAY 1C.
VMF-IR: User interface compatible with the AER503IR, VMF-E3 thermostat and with all the grids of cassettes equipped with the infrared receiver compatible with the VMF system.
VMHI: The VMHI panel can be used as a user interface for VMF-E19/E19I thermostats, GLFxN/M or GLLxN grids, or as an interface for the MZC system. What determines the function to be performed by the user interface is determined by its correct parametrisation and by following the electrical connections between interface and thermostat or interface and plenum.

Common accessories

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.
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.
ZU1: Pair of stylish and structural feet.
GU: Intake grid covers the front space between the ornamental feet and does not interfere with the filter.

ACCESSORIES COMPATIBILITY

Control panels and dedicated accessories

Accessory	UL12C	UL12PC	UL12S	UL17C	UL17PC	UL17S	UL27C	UL27PC	UL27S	UL37C	UL37PC	UL37S
AER503IR			•			•			•			•
PRO503			•			•			•			•
SA5			•			•			•			•
SW3	•	•	•	•	•	•	•	•	•	•	•	•
SW5			•			•			•			•
TX			•			•			•			•
WMT10			•			•			•			•
WMT16			•			•			•			•

VMF system

Accessory	UL12S	UL17S	UL27S	UL37S
DI24	•	•	•	•
DI24CP	•	•	•	•
VMF-E19	•	•	•	•
VMF-E2U	•	•	•	•
VMF-E3	•	•	•	•
VMF-E4DX	•	•	•	•
VMF-E4X	•	•	•	•
VMF-IR	•	•	•	•
VMHI	•	•	•	•

3 way valve kit

Accessory	UL12	UL12C	UL12PC	UL12S	UL17	UL17C	UL17PC	UL17S	UL27	UL27C	UL27PC	UL27S	UL37	UL37C	UL37PC	UL37S
VCH	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

2 way valve kit

Accessory	UL12	UL12C	UL12PC	UL12S	UL17	UL17C	UL17PC	UL17S	UL27	UL27C	UL27PC	UL27S	UL37	UL37C	UL37PC	UL37S
VCHD	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

Condensate drip

Accessory	UL17	UL17C	UL17PC	UL17S	UL27	UL27C
BC10 (1)	•	•	•	•	•	•
BC20 (2)	•	•	•	•	•	•

Accessory	UL27PC	UL27S	UL37	UL37C	UL37PC	UL37S
BC10 (1)	•	•	•	•	•	•
BC20 (2)	•	•	•	•	•	•

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

Condensate drainage

Accessory	UL12	UL12C	UL12PC	UL12S	UL17	UL17C	UL17PC	UL17S	UL27	UL27C	UL27PC	UL27S	UL37	UL37C	UL37PC	UL37S
DSC5 (1)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

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

Wall mounting kit

Accessory	UL12C	UL17C	UL17PC	UL27C	UL27PC	UL37C	UL37PC
AMP10	•	•	•	•	•	•	•

Panel closing the rear of the unit

Accessory	UL12	UL12C	UL12PC	UL12S	UL17	UL17C	UL17PC	UL17S	UL27	UL27C	UL27PC	UL27S	UL37	UL37C	UL37PC	UL37S
PCU12	•	•	•	•												
PCU17					•	•	•	•								
PCU27									•	•	•	•				
PCU37													•	•	•	•

Intake grids

Accessory	UL12	UL12C	UL12PC	UL12S	UL17	UL17C	UL17PC	UL17S	UL27	UL27C	UL27PC	UL27S	UL37	UL37C	UL37PC	UL37S
GU12 (1)	•	•	•	•												
GU17 (1)					•	•	•	•								
GU27 (1)									•	•	•	•				
GU37 (1)													•	•	•	•

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

Pair of stylish structural feet

Accessory	UL12	UL12C	UL12PC	UL12S	UL17	UL17C	UL17PC	UL17S	UL27	UL27C	UL27PC	UL27S	UL37	UL37C	UL37PC	UL37S
ZU1	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

Configuration

Configuration options

Field	Description
1,2	**UL**
3,4	**Size** 12, 17, 27, 37
5	**Version**
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

PERFORMANCE SPECIFICATIONS

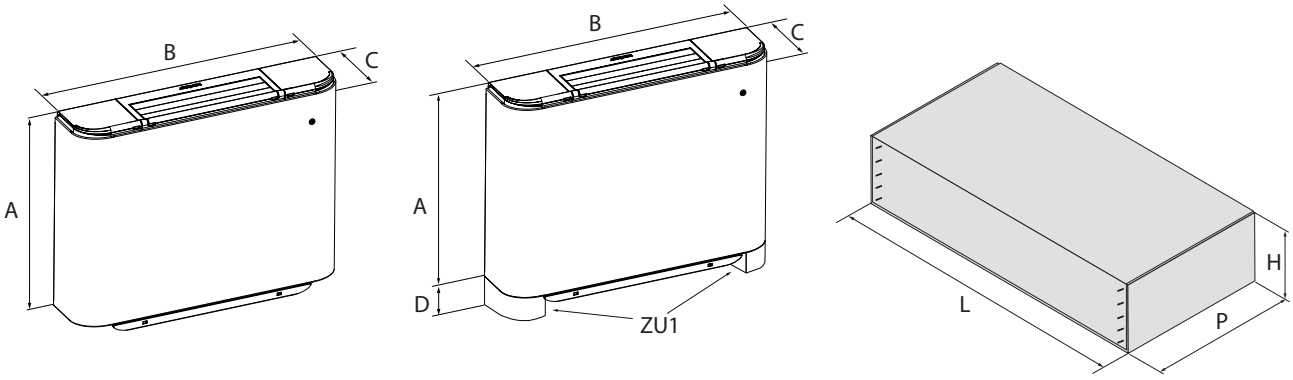
Technical data

2-pipe

		UL12			UL17			UL27			UL37		
		1	2	3	1	2	3	1	2	3	1	2	3
		L	M	H	L	M	H	L	M	H	L	M	H
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	3,63	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	0,76	1,05	1,44	1,44	1,90	2,29	1,75	2,42	2,95
Water flow rate system side	l/h	92	126	176	133	183	251	249	331	399	305	420	513
Pressure drop system side	kPa	1	1	2	2	3	3	5	8	11	7	13	18
Cooling performance 7 °C / 12 °C													
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													
Type	type	Centrifugal			Centrifugal			Centrifugal			Centrifugal		
Fan motor	type	On-Off			On-Off			On-Off			On-Off		
Number	no.	1			1			2			2		
Air flow rate	m^3/h	80	120	180	110	160	240	190	270	350	240	350	460
Input power	W	8	18	18	23	25	32	24	27	35	30	35	42
Electrical wiring		V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3
Fan coil sound data (3)													
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
Finned pack heat exchanger													
Water content main heat exchanger	l	0,3			0,4			0,6			0,8		
Diametre hydraulic fittings													
Main heat exchanger	Ø	1/2"			1/2"			1/2"			1/2"		
Power supply													
Power supply		230V~50Hz			230V~50Hz			230V~50Hz			230V~50Hz		

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

DIMENSIONS



Dimensions and weights

		UL12	UL12C	UL12S	UL17	UL17S	UL17C	UL17PC	UL27	UL27S	UL27C	UL27PC	UL37	UL37S	UL37C	UL37PC
Dimensions and weights																
A	mm	485	485	485	485	485	485	485	485	485	485	485	485	485	485	485
B	mm	640	640	640	750	750	750	750	980	980	980	980	1200	1200	1200	1200
C	mm	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173
D	mm	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94
Empty weight	kg	12	12	12	13	13	13	13	17	17	18	18	20	20	20	20
Dimensions and weights for transport																
H	mm	275	275	275	275	275	275	275	275	275	275	275	275	275	275	275
L	mm	710	710	710	820	820	820	820	1050	1050	1050	1050	1270	1270	1270	1270
P	mm	590	590	590	590	590	590	590	590	590	590	590	590	590	590	590
Weight for transport	kg	12,5	13,0	12,5	14,5	14,5	15,0	15,0	19,0	19,0	19,5	19,5	22,5	22,5	23,0	23,0

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www.aermec.com

UL-P

Fan coil unit for ducted installations

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

DESCRIPTION

Monobloc duct type fan coils for heating and/or cooling small and medium-sized environments for civil and commercial use.
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

P Without shell, vertical and horizontal installation, lower intake, without commands
PAF Without shell, vertical and horizontal installation, front intake, without commands

FEATURES

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.

Heat exchanger coil

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

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.

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.
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. In case you decide to install Aermec thermostats and current absorbed by the unit exceeds 0.7 A, you're obliged to include SIT3 accessory.
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.
SW5: water probe kit (L = 15m) with probe-holder connection point, fixing clip and probe-holder from heat exchanger.
TX: Wall-mounting thermostat for controlling either brushless fan coils or those with asynchronous motors for 2/4 pipe. In 2-pipe systems, the thermostat can control standard fan coils or those equipped with an electric heater, with air purifying devices, radiant plate or FCZ-D twin delivery (Dualjet).
WMT10: Electronic thermostat, white, with thermostated or continuous ventilation.
WMT16: Electronic thermostat with thermostated ventilation.

AerSuite

The AerSuite application is used to remotely control the DI24 user interface, with VMF-E19/VMF-E19I thermostats, using Smart Devices with iOS and Android operating systems.

This is an application for Smartphones and Tablets with which the user can access and control the system operation remotely.
For more information about the use of the application and the available functions, refer to the respective documentation on the website.

VMF system

DI24: Flush-mounted interface (503 box) with 2.4" touch screen display to be combined with VMF-E19, VMF-E19I accessories. It allows you to regulate and monitor the temperature inside rooms precisely and on time; in addition to accessing and interacting with your system's operating information, parameters and alarms, it allows you to set time slots. Thanks to its Wi-Fi connection, DI24 in combination with the AerSuite APP (available for Android and iOS) can also be remotely controlled. All programming and most functions are done in a simple and intuitive way using the APP. It is supplied with a graphite grey plate; however, to allow the interface to be customised so that it fits in perfectly with the style of any home, DI24 is compatible with plates of the major brands available on the market, for more information please refer to our documentation.
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-E3: Wall mounted user interface, to be combined with accessories VMF-E19, VMF-E19I, with grids GLF_N/M and GLL_N, can be controlled with VMF-IR control.
VMF-E4DX: Wall-mounted user interface. Grey front panel PANTONE 425C (METAL).
VMF-E4X: Wall-mounted user interface. Light grey front panel PANTONE COOL GRAY 1C.
VMF-IO: Manage the unit exclusively from a centralized VMF control panel without area control panel.
VMF-IR: User interface compatible with the AER503IR, VMF-E3 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 (L = 2.5m) used if required in place of the standard unit supplied with the VMF-E19 and VMF-E19I thermostats for mounting it upstream of the valve.
VMF-SW1: Additional water probe (L = 2.5m) to be used if required for 4-pipe systems with the VMF-E19 and VMF-E19I thermostats for maximum control in the cold range
VMHI: The VMHI panel can be used as a user interface for VMF-E19/E19I thermostats, GLFxN/M or GLLxN grids, or as an interface for the MZC system. What determines the function to be performed by the user interface is determined by its correct parametrisation and by following the electrical connections between interface and thermostat or interface and plenum.

Common accessories

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.
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.

GUIDE TO SELECTING THE POSSIBLE CONFIGURATIONS

Omnia ULP

Field		Description
1,2,3		ULP
4,5		Size 11, 16, 26, 36
6		Version
	P	Without shell, vertical and horizontal installation, lower intake, without commands
	PAF	Without shell, vertical and horizontal installation, front intake, without commands

ACCESSORIES COMPATIBILITY

Control panels and dedicated accessories - Omnia ULP

Model	Ver	11	16	26	36
AER503IR (1)	P,PAF	•	•	•	•
PRO503	P,PAF	•	•	•	•
SA5 (2)	P,PAF	•	•	•	•
SIT3 (3)	P,PAF	•	•	•	•
SIT5 (4)	P,PAF	•	•	•	•
SW5 (2)	P,PAF	•	•	•	•
TX (5)	P,PAF	•	•	•	•
WMT10 (5)	P,PAF	•	•	•	•
WMT16 (5)	P,PAF	•	•	•	•

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

VMF system - Omnia ULP

Model	Ver	11	16	26	36
DI24	P,PAF	•	•	•	•
VMF-E19 (1)	P,PAF	•	•	•	•
VMF-E3	P,PAF	•	•	•	•
VMF-E4DX	P,PAF	•	•	•	•
VMF-E4X	P,PAF	•	•	•	•
VMF-IO	P,PAF	•	•	•	•
VMF-IR	P,PAF	•	•	•	•
VMF-LON	P,PAF	•	•	•	•
VMF-SW	P,PAF	•	•	•	•
VMF-SW1	P,PAF	•	•	•	•
VMHI	P,PAF	•	•	•	•

(1) Also the accessory VMF-SIT3V is mandatory if the unit exceeds 0.7 Amperes.

Condensate drip

Model	Ver	11	16	26	36
BC10 (1)	P,PAF	•	•	•	•
BC20 (2)	P,PAF	•	•	•	•

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

Condensate drainage

Model	Ver	11	16	26	36
DSC5 (1)	P,PAF	•	•	•	•

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

Model	Ver	11	16	26	36
VCH	P,PAF	•	•	•	•

2 way valve kit

Model	Ver	11	16	26	36
VCHD	P,PAF	•	•	•	•

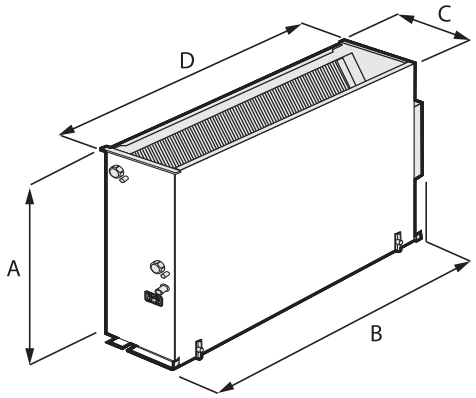
PERFORMANCE SPECIFICATIONS

2-pipe

		UL11P			UL16P			UL26P			UL36P		
		1	2	3	1	2	3	1	2	3	1	2	3
		L	M	H	L	M	H	L	M	H	L	M	H
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	3,63	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	0,76	1,05	1,44	1,44	1,90	2,29	1,75	2,42	2,95
Water flow rate system side	l/h	92	126	174	133	183	251	249	331	399	305	420	513
Pressure drop system side	kPa	1	1	2	2	3	3	5	8	11	7	13	18
Cooling performance 7 °C / 12 °C													
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													
Type	type	Centrifugal											
Fan motor	type	Asynchronous											
Number	no.	1			1			2			2		
Air flow rate	m^3/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
Electrical wiring		V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V3
Diametre hydraulic fittings													
Main heat exchanger	Ø	1/2"											
Finned pack heat exchanger													
Water content main heat exchanger	l	0,3			0,4			0,6			0,8		
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

DIMENSIONS



		UL11P	UL16P	UL26P	UL36P
Dimensions and weights					
A	mm	465	465	465	465
B	mm	420	530	761	981
C	mm	171	171	171	171
D	mm	360	470	701	921
Net weight	kg	10,0	12,0	15,0	18,0

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Omnia Radiant

Fan coils with radiant panel for residential use

- Low temperature radiation *
- Ventilated heating
- Cooling - dehumidification
- Energy saving
- Low operating temperature

DESCRIPTION

*** Radiant technology under licence.**

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.

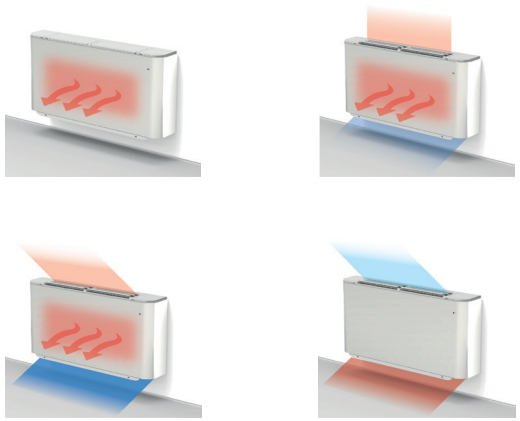
OMNIA Radiant inherits all the advantages of the OMNIA UL series, and is characterized by the introduction of the frontal plate for radiant heating.

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 air;
— 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.

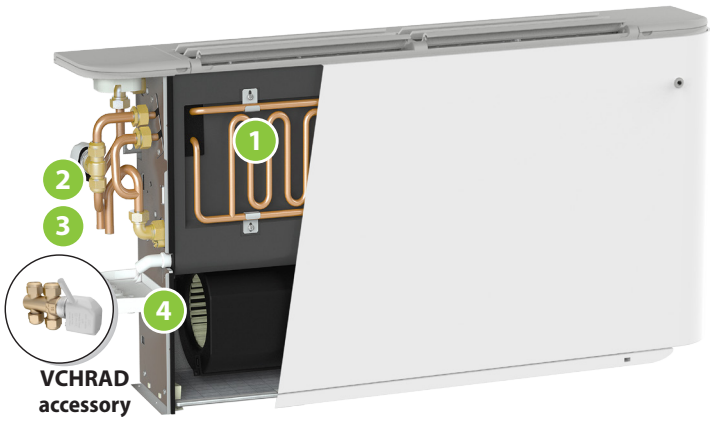
Omnia Radiant during summer provides air conditioning and dehumidification

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

1. Radiant plate
2. Switching valve
3. Water probe
4. Condensate storage container, hydraulic hoses



OMNIA Radiant (UL_R) standard features:

— Radiant plate
— Centrifugal fan
— Three-speed cross flow fan
— Condensate storage container, hydraulic hoses
— Two way valve
— Water temperature probe
— VMF-thermostat for asynchronous motor
— Compatibility with VMF system

OMNIA Radiant (UL_RI) standard features:

— Radiant plate
— Centrifugal fan
— Electric DC Brushless motor with Inverter
— Condensate storage container, hydraulic hoses
— Two way valve
— Water temperature probe
— VMF thermostat for DC Brushless motor
— Compatibility with VMF system

Ventilation group

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"

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.

Finned pack heat exchanger

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

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

■ *The heat exchanger is not reversible.*

ACCESSORIES

AerSuite

The AerSuite application is used to remotely control the DI24 user interface, with VMF-E19/VMF-E19I thermostats, using Smart Devices with iOS and Android operating systems.

This is an application for Smartphones and Tablets with which the user can access and control the system operation remotely.

For more information about the use of the application and the available functions, refer to the respective documentation on the website.

VMF system

DI24: Flush-mounted interface (503 box) with 2.4" touch screen display to be combined with VMF-E19, VMF-E19I accessories. It allows you to regulate and monitor the temperature inside rooms precisely and on time; in addition to accessing and interacting with your system's operating information, parameters and alarms, it allows you to set time slots. Thanks to its Wi-Fi connection, DI24 in combination with the AerSuite APP (available for Android and iOS) can also be remotely controlled. All programming and most functions are done in a simple and intuitive way using the APP. To allow for customization of the interface so that it seamlessly integrates with the style of any home, DI24 is compatible with switch plates from major brands available on the market. For more information, please refer to our documentation. However, a switch plate with its graphite gray support, DI24CP, is also available as a separate accessory in our catalog.

DI24CP: Complete flush-mounted interface plate with support for DI24, Vimar brand, Arké series, graphite gray color.

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

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

VMHI: The VMHI panel can be used as a user interface for VMF-E19/E19I thermostats, GLFxN/M or GLLxN grids, or as an interface for the MZC system. What determines the function to be performed by the user interface

is determined by its correct parametrisation and by following the electrical connections between interface and thermostat or interface and plenum.
VMF-E5B: White recessed panel with backlit graphic LCD display and capacitive keyboard, it allows the centralised command/control of a complete hydronic system consisting of Fan coils: up to 64 fan coil zones consisting of 1 master + up to 5 slaves; Chiller/heat pump (accessory required for RS 485 interface), pumps: up to 12 configurable zone pumps; boiler: boiler hook-up management for hot water production; heat recovery units: up to 3 hook-ups per programmable recovery units based on time periods and/or by measuring air quality with the VMF-VOC accessory; domestic water module: complete management of the domestic hot water production through the control of: diverter valve/pump, integrated heating element, storage tank temperature sensor, anti-legionella circuit system.
VMF-E5N: Black recessed panel with backlit graphic LCD display and capacitive keyboard, it allows the centralised command/control of a complete hydronic system consisting of Fan coils: up to 64 fan coil zones consisting of 1 master + up to 5 slaves; Chiller/heat pump (accessory required for RS 485 interface), pumps: up to 12 configurable zone pumps; boiler: boiler hook-up management for hot water production; heat recovery units: up to 3 hook-ups per programmable recovery units based on time periods and/or by measuring air quality with the VMF-VOC accessory; domestic water module: complete management of the domestic hot water production through the control of: diverter valve/pump, integrated heating element, storage tank temperature sensor, anti-legionella circuit system.
For compatibility of the VMF-E5N / VMF-E5B with sizes 27R-37R contact the office.

Common accessories

AMP: Wall mounting kit
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.
ZU1: Pair of stylish and structural feet.
VCHRAD: Kit consisting of motor-driven 3-way valve copper couplings and pipes.

ACCESSORIES COMPATIBILITY

VMF system

Accessory	UL27R	UL27RI	UL37R	UL37RI
DI24	•	•	•	•
DI24CP	•	•	•	•
VMF-E4DX	•	•	•	•
VMF-E4X	•	•	•	•
VMF-E5B		•		•
VMF-E5N		•		•
VMHI	•	•	•	•

3 way valve kit

Accessory	UL27R	UL27RI	UL37R	UL37RI
VCHRAD	•	•	•	•

Accessory	UL27R	UL27RI	UL37R	UL37RI
PCU27	•	•		
PCU37			•	•

Intake grids

Accessory	UL27R	UL27RI	UL37R	UL37RI
GU27	•	•		
GU37			•	•

Wall mounting kit

Accessory	UL27R	UL27RI	UL37R	UL37RI
AMP10	•	•	•	•

Pair of stylish structural feet

Accessory	UL27R	UL27RI	UL37R	UL37RI
ZU1	•	•	•	•

PERFORMANCE SPECIFICATIONS

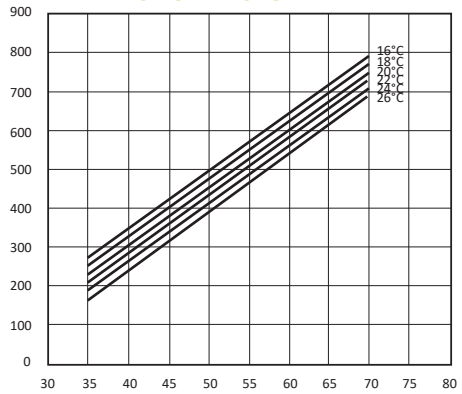
2-pipe

		UL27R			UL27RI			UL37R			UL37RI		
		1	2	3	1	2	3	1	2	3	1	2	3
		L	M	H	L	M	H	L	M	H	L	M	H
Heating performances													
Heating capacity (70 °C) (1)	kW	2,89	3,83	4,62	2,89	3,83	4,62	3,53	4,87	5,94	3,53	4,87	5,94
Heating capacity (50 °C) (2)	kW	2,75	2,75	2,75	2,75	2,75	2,75	3,54	3,54	3,54	3,54	3,54	3,54
Water flow rate system side	l/h	397	397	397	397	397	397	511	511	511	511	511	511
Pressure drop system side	kPa	17	17	17	17	17	17	21	21	21	21	21	21
Static heating power (70 °C) (3)	kW	0,65	0,65	0,65	0,65	0,65	0,65	0,75	0,75	0,75	0,75	0,75	0,75
Static heating power (50 °C) (4)	kW	0,39	0,39	0,39	0,39	0,39	0,39	0,45	0,45	0,45	0,45	0,45	0,45
Static heating power (35 °C) (5)	kW	0,20	0,20	0,20	0,20	0,20	0,20	0,23	0,23	0,23	0,23	0,23	0,23
Cooling performance 7 °C / 12 °C (6)													
Cooling capacity	kW	1,42	1,78	2,03	1,42	1,78	2,03	1,73	2,31	2,83	1,73	2,31	2,83
Sensible cooling capacity	kW	1,05	1,37	1,64	1,05	1,37	1,64	1,28	1,79	2,04	1,28	1,79	2,04
Water flow rate system side	l/h	349	349	349	349	349	349	487	487	487	487	487	487
Pressure drop system side	kPa	18	18	18	18	18	18	22	22	22	22	22	22
Fan													
Type	type	Centrifugal			Centrifugal			Centrifugal			Centrifugal		
Fan motor	type	Asynchronous			Inverter			Asynchronous			Inverter		
Number	no.	2			2			2			2		
Air flow rate	m^3/h	190	270	350	190	270	350	240	350	460	240	350	460
Fan coil sound data (7)													
Sound power level	dB(A)	35,0	43,0	48,0	35,0	43,0	48,0	34,0	43,0	50,0	34,0	43,0	50,0
Sound pressure	dB(A)	27,0	35,0	40,0	27,0	35,0	40,0	26,0	33,0	40,0	26,0	33,0	40,0
Fan													
Input power	W	35	35	35	12	12	12	42	42	42	16	16	16
Electrical wiring		V1	V2	V1	-	-	-	V1	V2	V3	-	-	-
Signal 0-10V	%	-	-	-	5	7	9	-	-	-	5	7	9
Diametre hydraulic fittings													
Main heat exchanger	Ø	1/2"			1/2"			1/2"			1/2"		
Finned pack heat exchanger													
Water content main heat exchanger	l	0,8			0,8			1,1			1,1		
Power supply													
Power supply		230V~50Hz			230V~50Hz			230V~50Hz			230V~50Hz		

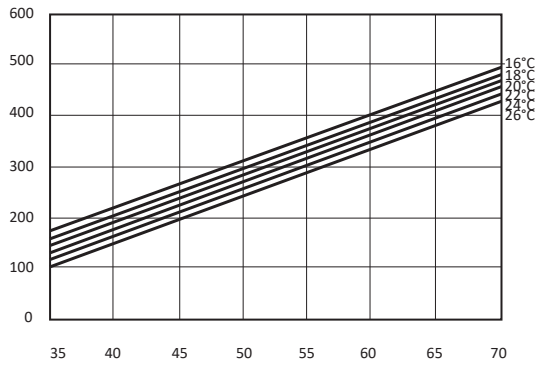
(1) Room air temperature 20 °C d.b.; Water (in/out) 70 °C/60 °C
(2) Room air 20 °C b.s.; Water (in) 50 °C; Water flow rate as in cooling mode (EUROVENT)
(3) Radiant power + natural convection; Hot water (in) 70 °C (water flow same as in heating cycle)
(4) Radiant power + natural convection.; Hot water (in/*) 50°C/*°C (water flow same as in heating cycle)
(5) Radiant power + natural convection; Hot water (in/*) 35°C/*°C (water flow same as in heating cycle)
(6) Room air temperature 27°C d.b./19°C w.b.; Water (in/out) 7 °C/12 °C; EUROVENT
(7) Aermec determines the sound power value on the basis of measurements taken in accordance with standard UNI EN 16583:15, respecting the Eurovent certification.

HEATING CAPACITY WITH FAN OFF

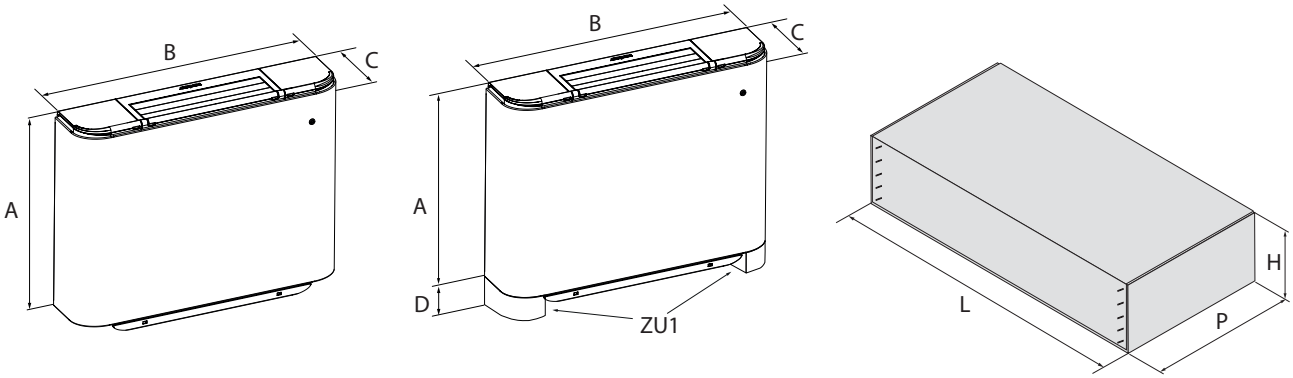
UL 37R - UL37RI



UL 27R - UL27RI



DIMENSIONS



		UL27R	UL27RI	UL37R	UL37RI
Dimensions and weights					
A	mm	513	513	513	513
B	mm	980	980	1200	1200
C	mm	173	173	173	173
D	mm	93	93	93	93
Empty weight	kg	20	20	24	24
Dimensions and weights for transport					
H	mm	275	275	275	275
L	mm	1050	1050	1270	1270
P	mm	590	590	590	590
Weight for transport	kg	22,0	22,0	27,0	27,0

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