



# VED 430-741

# Fan coil unit for ducted installations

- Horizontal and vertical installation
- Ventilation group to 5 speed
- Large range of available static pressure
- Inspectable ventilation group





#### **DESCRIPTION**

Ducted fan coil, for heating, cooling and dehumidifying.

Designed to maintain the set temperature over time, ensuring very low sound levels.

Can be installed in any 2/4 pipe system and operates with any heat generator even at low temperatures.

Thanks to the availability of various options, with standard or increased coil, for horizontal or vertical installation, it is easy to choose the optimal solution for any need.

#### **FEATURES**

#### Case

Unit for internal installation.

Internally insulated structure with class 1 fire resistance and IP20 protection.

## 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 electric motor is single-phase multi-speed (3 selectable), mounted on anti-vibration supports and with a permanently inserted capacitor.

Fan housing in plastic material removable for easy and effective cleaning.

#### 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.

#### **Air filter**

Air filter Class G3, for easy removal and cleaning.

#### Controls and Accessoires

There is a wide selection of controls and a huge choice of accessories, to meet every system requirement.

The unit is supplied with the delivery connection supplied.

#### 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. **PR0503:** 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.

**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.

WMT16CV: Electronic thermostat with continuous 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

**D124:** Flush-mounted interface (503 box) with 2.4" touch screen display to be combined with VMF-E19, VMF-E191 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, D124 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, D124 is compatible with switch plates from major brands available on the market. For more information, plase refer to our documentation. However, a switch plate with its graphite gray support, D124CP, is also available as a separate accessory in our catalog.

**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-MOD: Expansion board for the management of modulating valves.

**VMF-SIT3V:** Relay interface board. Mandatory accessory on units where motor absorption exceeds 0.7 A. The relay interface board is supplied with a 2A fuse to protect the fan coil. If the fan coil absorbs more than 2A and up to 4A, the fuse inside must be replaced with a 4A fuse supplied.

**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.

#### Water valves

**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.

**VCT:** These are 3-way ball valves made of bronze, with female/female connections  $\emptyset$  1/2". That can be servo-activated via servo commands. The valves do not have fittings and pipes for water connections, which are the installer's responsibility.

**VCT:** These are 3-way ball valves made of bronze, with female/female connections  $\emptyset$  1/2". That can be servo-activated via servo commands. The valves do not have fittings and pipes for water connections, which are the installer's responsibility.

**VCTK:** The VCT series valves can be combined with the actuators On-Off 230V. The actuator must be selected according to the type of system/adjustment provided.

**VCTKM:** The VCT series valves can be combined with the actuators 24V modulating. The actuator must be selected according to the type of system/ adjustment provided.

VCF45C - 47C - 47CS - for main heat exchanger: 3-way motorised valve kit for the main heat exchanger. The kit is made up of a valve with its insulating shell, actuator and relative hydraulic fittings. It can be installed on fan coils with both right and left connections. If the valve is combined with the BCZ5 or BCZ6 condensate drain pan, to ensure a better housing it is possible to remove the insulating shell.

VCF45H - 47H - for heating only heat exchanger: Motorized 3-way valve kit for hot only coil. The kit consists of a 3-way 4-way valve, the actuator and its hydraulic fittings, it is suitable for installation on both fan coil units with hydraulic connections on the right and left.

VCF25C - 25CS - for main coil: 2-way motorized valve kit for main coil. The kit consists of a valve with its insulating shell, the actuator and the relative hydraulic fittings, it is suitable for installation on both fan coil units with hydraulic connections on the right and left.

**VCF25H - for heating only coil:** 2-way motorized valve kit for hot only coil. The kit consists of a valve, actuator and relative hydraulic fittings, it is suitable for installation on both fan coils with hydraulic connections on the right and left.

BCV: Condensate drip.

#### Installation accessories

MZC: Plenum with motorised dampers.

**RDA\_V:** Straight intake connection with rectangular flange.

**RPA\_V:** Suction plenum with rectangular flange; both sides have a circular push-out Ø 150mm that can be removed.

**PA\_V:** Suction plenum with circular plastic flanges; both sides have a circular push-out Ø 150mm that can be removed.

**PM\_V:** Internally insulated delivery plenum with circular flanges; both sides have a circular push-out Ø 150mm that can be removed.

**RPM\_V:** Internally insulated delivery plenum with rectangular flange; both sides have a circular push-out Ø 150mm that can be removed.

KFV: Circular flanges kit for plenum.

**MZCACV:** Electrical system with relay interface board. Mandatory accessory on units where motor absorption exceeds 0.7 A. The relay interface board is supplied with a 2A fuse to protect the fan coil. If the fan coil absorbs more than 2A and up to 4A, the fuse inside must be replaced with a 4A fuse supplied.

**MZCAC:** Mandatory electrical system for connecting the MZC plenum with a fan coil fitted with an asynchronous motor.

#### Configurator

conngulat		
Field	Description	
1,2,3,4	VED4	
5	<b>Size</b> 4, 5, 6, 7	
6	main heat exchanger	
3	3-row coil	
4	4-row coil	
7	Secondary heat exchanger	
0	Without coil	
1	1-row coil for heating only	
2	2-row coil for heating only	

#### **ACCESSORIES COMPATIBILITY**

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

Model	Ver	430	432	440	441	530	532	540	541	630	632	640	641	730	732	740	741
AER503IR (1)		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
PR0503		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
SA5 (2)		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
SIT3 (3)		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
SIT5 (4)		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
SW3 (2)		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
SW5 (2)		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
TX (5)		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
WMT10 (5)		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
WMT16 (5)		•		•		•		•		•		•		•		•	
WMT16CV (5)		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

(1) Wall-mount installation.
 (2) Probe for AERS03IR-TX thermostats, if fitted.
 (3) Cards for AERS03IR-TX thermostats, if present, to be installed if the unit absorption exceeds 0,7 Ampere.
 (4) Probe for AERS03IR-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

Model	Ver	430	432	440	441	530	532	540	541	630	632	640	641	730	732	740	741
DI24		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
VMF-E19 (1)		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
VMF-E3	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
VMF-E4DX		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
VMF-E4X	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
VMF-I0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
VMF-IR		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
VMF-MOD	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
VMF-SIT3V (2)		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
VMF-SW	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
VMF-SW1	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
VMHI	•		•	•		•	•	•				•	•	•		•	•

Also the accessory VMF-SIT3V is mandatory if the unit exceeds 0.7 Amperes.
 For the selection, consult the documentation for the thermostat and the fan coil.

#### Water valves

3 way valve kit

	VED430	VED440	VED530	VED540	VED630	VED640	VED730	VED740
3 way valve kit								
Main heat exchanger	VCF45C	VCF45C	VCF45C	VCF45C	VCF47C	VCF47CS	VCF47C	VCF47CS
	VED432	VED441	VED532	VED541	VED632	VED641	VED732	VED741
3 way valve kit								
Main heat exchanger	VCF45C	VCF45C	VCF45C	VCF45C	VCF47C	VCF47CS	VCF47C	VCF47CS
Secondary heat exchanger for four pipes	VCF45H	VCF45H	VCF45H	VCF45H	VCF47H	VCF47H	VCF47H	VCF47H

230V power supply - Hydraulic connection Ø 3/4"

2 way valve kit

	VED430	VED440	VED530	VED540	VED630	VED640	VED730	VED740
2 way valve kit								
Main heat exchanger	VCF25C	VCF25C	VCF25C	VCF25C	VCF25C	VCF25CS	VCF25C	VCF25CS
	VED432	VED441	VED532	VED541	VED632	VED641	VED732	VED741
2 way valve kit								
Main heat exchanger	VCF25C	VCF25C	VCF25C	VCF25C	VCF25C	VCF25CS	VCF25C	VCF25CS
Secondary heat exchanger for four pipes	VCF25H	VCF25H	VCF25H	VCF25H	VCF25H	VCF25H	VCF25H	VCF25H

230V power supply - Hydraulic connection Ø 3/4"

	Ver	430	432	440	441	530	532	540	541	630	632	640	641	730	732	740	741
		VCT10			VCT102	VCT102	VCT102	VCT102	VCT102	VCT202	VCT202	VCT202	VCT202	VCT202	VCT202	VCT202	VCT202
-way globe		uator exclud						- 10			(22)						
	Ver	430 VCT10	432 3 VCT103	440 3 VCT103	441 VCT103	530 VCT103	532 VCT103	540 VCT103	541 VCT103	630 VCT203	632 VCT203	640 VCT203	641 VCT203	730 VCT203	732 VCT203	740 VCT403	741 VCT403
	•	VCIIU	<u> </u>		VCIIUS	VCI105	VCTTUS	VCIIUS	VCIIUS	VCIZUS	VCIZUS	VCIZUS	VCIZUS	VCIZUS	VCIZUS	VC1403	VC1403
ctuator 230	V																
	Ver	430	432	440	441	530	532	540	541	630	632	640	641	730	732	740	741
		VCTK	VCTK	VCTK	VCTK	VCTK	VCTK	VCTK	VCTK	VCTK	VCTK	VCTK	VCTK	VCTK	VCTK	VCTK	VCTK
ctuator 24	v																
	Ver	430	432	440	441	530	532	540	541	630	632	640	641	730	732	740	741
		VCTKN			VCTKM	VCTKM	VCTKM	VCTKM	VCTKM	VCTKM	VCTKM	VCTKM	VCTKM	VCTKM	VCTKM	VCTKM	VCTKM
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UP150 (1)			•	•	•	•	• •		•	•							
JP150M (2) JP270M (2)			•	•	•	•	• •	•	•	•	•	•	•	•		•	
			•								•		-	-	•	•	•
1) 230V~50Hz 2) 24V																	
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igned air flo	ow in a fou	r-pipe insta	lation i	s to be v	erified.												
ccessories	s for intak	œ															
ntake straic	ht with re	ctangular fla	anaes														
	Ver	430	432	440	441	530	532	540	541	630	632	640	641	730	732	740	741
			V RDA450					RDA450V			RDA670V	RDA670V					
ntake plenu	ım with ree	ctangular fla	nges														
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	vei	430	432	440	441	530	532	540	541	630	632	640	641	730	732	740	741
		<b>430</b> RPA450						<b>540</b> RPA450V	<b>541</b> RPA450V	<b>630</b> RPA670V	<b>632</b> RPA670V	<b>640</b> RPA670V	<b>641</b> RPA670V				
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ntake plenu		RPA450 cular flange 430	V RPA450 s 432	V RPA450V 440	RPA450V 441	RPA450V	RPA450V 532	RPA450V 540	RPA450V 541	RPA670V 630	RPA670V 632	RPA670V 640	RPA670V 641	RPA670V 730	RPA670V 732	RPA670V 740	RPA670 741
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Delivery ac Delivery plei	im with cir Ver 	RPA450 cular flange 430 PA450 pally insulat 430 RPM45 nally insulat	W         RPA450           s         432           V         PA4501           ed, with         432           OV         RPM450           ed, with         432	V RPA450V 440 / PA450V rectang 440 W RPM450V circular 440	RPA450V 441 PA450V Jular fla 441 RPM450V flange	7 RPA450V 530 PA450V nges 530 7 RPM450V s 530	532 PA450V 9A450V 532 7 RPM450V 532	RPA450V 540 PA450V 540 RPM450V	RPA450V           541           PA450V           541           RPM450V	RPA670V 630 PA670V 630 RPM670V	RPA670V           632           PA670V           632           RPM670V	RPA670V 640 PA670V 640 RPM670V	RPA670V           641           PA670V           641           RPM670V	RPA670V           730           PA670V           730           RPM670V	RPA670V           732           PA670V           732           YA670V           732           732           732           732           732           732           732           732	RPA670V           740           PA670V           740           740           740           740           740           740           740           740           740           740           740           740           740           740           740	RPA670 741 PA670V 741 RPM670 741
Delivery ac Delivery pley Delivery pley	Im with cir Ver ccessories num interr Ver Ver	RPA450 cular flange 430 PA450 mally insulat 430 RPM450 mally insulat 430 PM450	W         RPA450           s         432           V         PA4501           ed, with         432           OV         RPM450           ed, with         432	V RPA450V 440 / PA450V rectang 440 W RPM450V circular 440	RPA450V           441           PA450V           Jular fla           441           RPA450V           Jular fla           441           RPM450V           flange:           441	7 RPA450V 530 PA450V nges 530 7 RPM450V s 530	532 PA450V 9A450V 532 7 RPM450V 532	RPA450V 540 PA450V 540 RPM450V	RPA450V 541 PA450V 541 RPM450V 541	RPA670V 630 PA670V 630 RPM670V 630	RPA670V 632 PA670V 632 RPM670V 632	RPA670V 640 PA670V 640 RPM670V	RPA670V 641 PA670V 641 RPM670V 641	RPA670V           730           PA670V           730           RPM670V           730           730           730           730           730           730           730           730	RPA670V           732           PA670V           732           YA670V           732           732           732           732           732           732           732           732	RPA670V           740           PA670V           740           740           740           740           740           740           740           740           740           740           740           740           740           740           740	RPA670           741           PA670V           741           RPM670V
Delivery ac Delivery pley Delivery pley	Im with cir Ver  ccessories num interr Ver  Ver  ges kit for	RPA450 cular flange 430 PA450 nally insulat 430 RPM450 nally insulat 430 PM450 plenum	VV         RPA450           s         432           V         PA4501           ed, with         432           DV         RPM4502           ed, with         432           DV         RPM4502           ed, with         432           V         PM4503	V RPA450V 440 / PA450V rectang 440 V RPM450V circular 440 V PM450V	RPA450V 441 PA450V gular fla 441 RPM450V flange: 441 PM450V	7 RPA450V 530 PA450V nges 530 7 RPM450V s 530 PM450V	RPA450V           532           PA450V           532           Y           RPM450V           532           PA450V	RPA450V           540           PA450V           540           RPM450V           540           RPM450V           PM450V	RPA450V           541           PA450V           541           RPM450V           541           RPM450V           900           900           900           900           900	RPA670V           630           PA670V           630           RPM670V           630           RPM670V           630           PM670V	RPA670V 632 PA670V 632 RPM670V 632 PM670V	RPA670V 640 PA670V 640 RPM670V 640 PM670V	RPA670V           641           PA670V           641           RPM670V           641           RPM670V	RPA670V           730           PA670V           730           RPM670V           730           RPM670V           9           730           PM670V	RPA670V           732           PA670V           732           Y           RPM670V           732           732           PM670V	RPA670V           740           PA670V           740           740           740           740           740           PM670V	RPA670           741           PA670V           741           RPM670V           741           RPM670V           741
Delivery ac Delivery plei	Im with cir Ver 	RPA450 cular flange 430 PA450 nally insulat 430 RPM450 nally insulat 430 PM450 plenum 430	W         RPA450           s         432           V         PA4501           ed, with         432           DV         RPM4502           ed, with         432           DV         RPM4502           ed, with         432           V         PM4503           432         V           432         V	V RPA450V 440 / PA450V rectang 440 V RPM450V circular 440 V PM450V	RPA450V           441           PA450V           Jular fla           441           ' RPM450V           flange:           441           PM450V	7 RPA450V 530 PA450V mges 530 7 RPM450V s 530 PM450V 530	RPA450V           532           PA450V           532           Y           RPM450V           532           PM450V           532           S32           S32           S32           S32           S32           S32           S32	RPA450V           540           PA450V           540           RPM450V           540           RPM450V           9           540           9           540           9           540           9           540           540           9           540           540	RPA450V           541           PA450V           541           RPM450V           541           RPM450V           541           PM450V	RPA670V 630 PA670V 630 RPM670V 630 PM670V 630	RPA670V 632 PA670V 632 RPM670V 632 PM670V 632	RPA670V 640 PA670V 640 RPM670V 640 PM670V	RPA670V           641           PA670V           641           RPM670V           641           PM670V           641           641	RPA670V           730           PA670V           730           RPM670V           730           RPM670V           730           730           730           730           730           730	RPA670V           732           PA670V           732           732           732           732           732           732           732           732           733           732           733	RPA670V           740           PA670V           740           740           740           740           740           740           740           740           740           740           740           740           740           740           740	RPA670 741 PA6700 741 RPM670 741 PM670 741
Delivery ac Delivery plea	Im with cir Ver  ccessories num interr Ver  Ver  ges kit for	RPA450 cular flange 430 PA450 nally insulat 430 RPM450 nally insulat 430 PM450 plenum	VV         RPA450           s         432           V         PA4501           ed, with         432           DV         RPM4502           ed, with         432           DV         RPM4502           ed, with         432           V         PM4503	V RPA450V 440 / PA450V rectang 440 V RPM450V circular 440 V PM450V	RPA450V 441 PA450V gular fla 441 RPM450V flange: 441 PM450V	7 RPA450V 530 PA450V nges 530 7 RPM450V s 530 PM450V	RPA450V           532           PA450V           532           Y           RPM450V           532           PA450V	RPA450V           540           PA450V           540           RPM450V           540           RPM450V           PM450V	RPA450V           541           PA450V           541           RPM450V           541           RPM450V           900           900           900           900	RPA670V           630           PA670V           630           RPM670V           630           RPM670V           630           PM670V	RPA670V 632 PA670V 632 RPM670V 632 PM670V	RPA670V 640 PA670V 640 RPM670V 640 PM670V	RPA670V           641           PA670V           641           RPM670V           641           RPM670V	RPA670V           730           PA670V           730           RPM670V           730           RPM670V           9           730           PM670V	RPA670V           732           PA670V           732           Y           RPM670V           732           732           PM670V	RPA670V           740           PA670V           740           740           740           740           740           PM670V	RPA670           741           PA670\           741           RPM670\           741           RPM670           741
Delivery ac Delivery plea	Im with cir Ver ccessories num interr Ver Ver ges kit for Ver	RPA450 cular flange 430 PA450 nally insulat 430 RPM450 nally insulat 430 PM450 plenum 430	W         RPA450           s         432           V         PA4501           ed, with         432           DV         RPM4502           ed, with         432           DV         RPM4502           ed, with         432           V         PM4503           432         V           432         V	V RPA450V 440 / PA450V rectang 440 V RPM450V circular 440 V PM450V	RPA450V           441           PA450V           Jular fla           441           ' RPM450V           flange:           441           PM450V	7 RPA450V 530 PA450V mges 530 7 RPM450V s 530 PM450V 530	RPA450V           532           PA450V           532           Y           RPM450V           532           PM450V           532           S32           S32           S32           S32           S32           S32           S32	RPA450V           540           PA450V           540           RPM450V           540           RPM450V           9           540           9           540           9           540           9           540           540           9           540           540	RPA450V           541           PA450V           541           RPM450V           541           RPM450V           541           PM450V	RPA670V 630 PA670V 630 RPM670V 630 PM670V 630	RPA670V 632 PA670V 632 RPM670V 632 PM670V 632	RPA670V 640 PA670V 640 RPM670V 640 PM670V	RPA670V           641           PA670V           641           RPM670V           641           PM670V           641           641	RPA670V           730           PA670V           730           RPM670V           730           RPM670V           730           730           730           730           730           730	RPA670V           732           PA670V           732           732           732           732           732           732           732           732           733           732           733	RPA670V           740           PA670V           740           740           740           740           740           740           740           740           740           740           740           740           740           740           740	RPA670 741 PA6700 741 RPM670 741 PM670 741
Delivery plei Delivery plei Delivery plei	Im with cir Ver ccessories num interr Ver Ver ges kit for Ver	RPA450 cular flange 430 PA450 nally insulat 430 RPM450 nally insulat 430 PM450 plenum 430	W         RPA450           s         432           V         PA4501           ed, with         432           DV         RPM4502           ed, with         432           DV         RPM4502           ed, with         432           V         PM4503           432         V           432         V	V RPA450V 440 / PA450V rectang 440 V RPM450V circular 440 V PM450V	RPA450V           441           PA450V           Jular fla           441           ' RPM450V           flange:           441           PM450V	7 RPA450V 530 PA450V mges 530 7 RPM450V s 530 PM450V 530	RPA450V           532           PA450V           532           Y           RPM450V           532           PM450V           532           S32           S32           S32           S32           S32           S32           S32	RPA450V           540           PA450V           540           RPM450V           540           RPM450V           9           540           9           540           9           540           9           540           540           9           540           540	RPA450V           541           PA450V           541           RPM450V           541           RPM450V           541           PM450V	RPA670V 630 PA670V 630 RPM670V 630 PM670V 630	RPA670V 632 PA670V 632 RPM670V 632 PM670V 632	RPA670V 640 PA670V 640 RPM670V 640 PM670V	RPA670V           641           PA670V           641           RPM670V           641           PM670V           641           641	RPA670V           730           PA670V           730           RPM670V           730           RPM670V           730           730           730           730           730           730	RPA670V           732           PA670V           732           732           732           732           732           732           732           732           733           732           733	RPA670V           740           PA670V           740           740           740           740           740           740           740           740           740           740           740           740           740           740           740	RPA670 741 PA6700 741 RPM670 741 PM670 741
Delivery plei Delivery plei Delivery plei	Im with cir Ver ccessories num interr Ver uum interr Ver ges kit for Ver drip	RPA450 cular flange 430 PA450 mally insulat 430 RPM450 mally insulat 430 PM450 PM450 PM450 KFV	W         RPA450           s         432           V         PA4501           ed, with         432           DV         RPM4502           ed, with         432           DV         RPM4502           ed, with         432           V         PM4502           ed, with         432           K         PM4502           432         KFV           432         KFV	V RPA450V 440 / PA450V rectang 440 W RPM450V circular 440 V PM450V 440 KFV 440	RPA450V           441           PA450V           Jular fla           441           ' RPM450V           flange:           441           PM450V           flange:           441           KFV	7 RPA450V 530 PA450V nges 530 7 RPM450V 5 530 FM450V 530 KFV	RPA450V           532           PA450V           532           Y           RPM450V           532           PM450V           532           PM450V           532           KFV	RPA450V           540           PA450V           540           RPM450V           540           PM450V           540           KFV	RPA450V           541           PA450V           541           RPM450V           541           PM450V           541           KFV	RPA670V 630 PA670V 630 RPM670V 630 PM670V 630 KFV	RPA670V 632 PA670V 632 RPM670V 632 PM670V 632 KFV	RPA670V 640 PA670V 640 RPM670V 640 PM670V 640 KFV	RPA670V           641           PA670V           641           RPM670V           641           RPM670V           641           KFV	RPA670V           730           PA670V           730           RPM670V           730           RPM670V           730           KFV	RPA670V           732           PA670V           732           74670V           732           732           732           732           732           732           732           732           732           732           732           732           KFV	RPA670V           740           PA670V           740           740           740           PM670V           740           KFV	RPA6700           741           PA6700           741           RPM6700           741           PM6700           741           PM6700           741           KFV
Delivery plei Delivery plei Delivery plei Circular flang	Im with cir Ver ccessories num interr Ver uum interr Ver ges kit for Ver drip	RPA450 cular flange 430 PA450 mally insulat 430 RPM450 mally insulat 430 PM450 plenum 430 KFV	W         RPA450           s         432           V         PA4501           ed, with         432           DV         RPM4502           ed, with         432           DV         RPM4502           ed, with         432           V         PM4502           ed, with         432           K         PM4502           432         KFV           432         KFV	V RPA450V 440 / PA450V rectang 440 W RPM450V circular 440 V PM450V 440 KFV 440	RPA450V           441           PA450V           Jular fla           441           ' RPM450V           flange:           441           PM450V           flange:           441           KFV           441	7 RPA450V 530 PA450V mges 530 7 RPM450V 5 530 KFV 530	RPA450V           532           PA450V           532           S32           / RPM450V           532           S32           PM450V           532           KFV           532	RPA450V           540           PA450V           540           RPM450V           540           PM450V           540           KFV           540           S40	RPA450V           541           PA450V           541           RPM450V           541           PM450V           541           KFV           541           KFV	RPA670V 630 PA670V 630 RPM670V 630 PM670V 630 KFV	RPA670V 632 PA670V 632 RPM670V 632 PM670V 632 KFV 632	RPA670V 640 PA670V 640 RPM670V 640 KFV 640	RPA670V           641           PA670V           641           RPM670V           641           KFV           641	RPA670V           730           PA670V           730           RPM670V           730           RPM670V           730           KFV           730	RPA670V           732           PA670V           732           732           732           732           732           732           732           732           732           732           732           732           732           732           732           732           732	RPA670V           740           PA670V           740           740           740           PM670V           740           KFV           740           KFV	RPA6700           741           PA6700           741           RPM6700           741           PM6700           741           PM6700           741           PM6700           741           PM6700           741           741           741
Delivery plei Delivery plei Delivery plei Circular flang	Im with cir Ver ccessories num interr Ver uum interr Ver ges kit for Ver drip	RPA450 cular flange 430 PA450 mally insulat 430 RPM450 mally insulat 430 PM450 plenum 430 KFV	W         RPA450           s         432           V         PA4501           ed, with         432           DV         RPM4502           ed, with         432           DV         RPM4502           ed, with         432           V         PM4502           ed, with         432           K         PM4502           432         KFV           432         KFV	V RPA450V 440 / PA450V rectang 440 W RPM450V circular 440 V PM450V 440 KFV 440	RPA450V           441           PA450V           Jular fla           441           ' RPM450V           flange:           441           PM450V           flange:           441           KFV           441	7 RPA450V 530 PA450V mges 530 7 RPM450V 5 530 KFV 530	RPA450V           532           PA450V           532           S32           / RPM450V           532           PM450V           532           KFV           532	RPA450V           540           PA450V           540           RPM450V           540           PM450V           540           KFV           540           S40	RPA450V           541           PA450V           541           RPM450V           541           PM450V           541           KFV           541           KFV	RPA670V 630 PA670V 630 RPM670V 630 PM670V 630 KFV	RPA670V 632 PA670V 632 RPM670V 632 PM670V 632 KFV 632	RPA670V 640 PA670V 640 RPM670V 640 KFV 640	RPA670V           641           PA670V           641           RPM670V           641           KFV           641	RPA670V           730           PA670V           730           RPM670V           730           RPM670V           730           KFV           730	RPA670V           732           PA670V           732           732           732           732           732           732           732           732           732           732           732           732           732           732           732           732           732	RPA670V           740           PA670V           740           740           740           PM670V           740           KFV           740           KFV	RPA6700           741           PA6700           741           RPM6700           741           PM6700           741           PM6700           741           PM6700           741           PM6700           741           741           741
Delivery plei Delivery plei Delivery plei Circular flang	Im with cir Ver 	RPA450 cular flange 430 PA450 mally insulat 430 RPM450 mally insulat 430 PM450 plenum 430 KFV	VV         RPA450           s         432           V         PA4501           ed, with         432           DV         RPM4502           ed, with         432           DV         RPM4502           ed, with         432           V         PM4503           432         KFV           432         KFV           5         BCV453	V RPA450V 440 / PA450V rectang 440 W RPM450V circular 440 V PM450V 440 KFV 440	RPA450V           441           PA450V           Jular fla           441           ' RPM450V           flange:           441           PM450V           flange:           441           KFV           441	7 RPA450V 530 PA450V mges 530 7 RPM450V 5 530 KFV 530	RPA450V           532           PA450V           532           S32           / RPM450V           532           PM450V           532           KFV           532	RPA450V           540           PA450V           540           RPM450V           540           PM450V           540           KFV           540           S40	RPA450V           541           PA450V           541           RPM450V           541           PM450V           541           KFV           541           KFV	RPA670V 630 PA670V 630 RPM670V 630 PM670V 630 KFV	RPA670V 632 PA670V 632 RPM670V 632 PM670V 632 KFV 632	RPA670V 640 PA670V 640 RPM670V 640 KFV 640	RPA670V           641           PA670V           641           RPM670V           641           KFV           641	RPA670V           730           PA670V           730           RPM670V           730           RPM670V           730           KFV           730	RPA670V           732           PA670V           732           732           732           732           732           732           732           732           732           732           732           732           732           732           732           732           732	RPA670V           740           PA670V           740           740           740           PM670V           740           KFV           740           KFV	RPA6700           741           PA6700           741           RPM6700           741           PM6700           741           PM6700           741           PM6700           741           PM6700           741           741           741           741
Delivery plei Delivery plei Delivery plei Circular flang	Im with cir Ver 	RPA450 cular flange 430 PA450 PA450 RPM45 nally insulat 430 PM450 plenum 430 KFV 430 BCV4: iven dampe	VV         RPA450           s         432           V         PA4501           ed, with         432           DV         RPM4502           ed, with         432           DV         RPM4502           ed, with         432           V         PM4503           432         KFV           432         KFV           5         BCV455           rs         S	V RPA450V 440 / PA450V rectang 440 V RPM450V circular 440 V PM450V 440 KFV 440 BCV45	RPA450V           441           PA450V           Jular fla           441           ' RPM450V           flange:           441           PM450V           flange:           441           KFV           441	7 RPA450V 530 PA450V mges 530 7 RPM450V 5 530 KFV 530	RPA450V           532           PA450V           532           S32           / RPM450V           532           PM450V           532           KFV           532	RPA450V           540           PA450V           540           RPM450V           540           PM450V           540           KFV           540           S40	RPA450V           541           PA450V           541           RPM450V           541           PM450V           541           KFV           541           KFV	RPA670V 630 PA670V 630 RPM670V 630 PM670V 630 KFV	RPA670V 632 PA670V 632 RPM670V 632 PM670V 632 KFV 632	RPA670V 640 PA670V 640 RPM670V 640 KFV 640 KFV	RPA670V           641           PA670V           641           RPM670V           641           PM670V           641           PM670V           641           BCV67	RPA670V           730           PA670V           730           RPM670V           730           RPM670V           730           KFV           730	RPA670V           732           PA670V           732           732           732           732           732           732           732           732           732           732           732           732           732           732           732           732           732	RPA670V           740           PA670V           740           740           740           PM670V           740           KFV           740           KFV	RPA6700           741           PA6700           741           RPM6700           741           PM6700           741           PM6700           741           741           741           741           741
Delivery plei Delivery plei Delivery plei Circular flan Condensate	Im with cir Ver  ccessories num interr Ver  ges kit for Ver  drip Ver 	RPA450 cular flange 430 PA450 PA450 RPM450 nally insulat 430 PM450 plenum 430 KFV 430 BCV4: iven damper 432 4	W         RPA450           s         432           V         PA4501           ed, with         432           DV         RPM4502           ed, with         432           W         PM4501           ed, with         432           W         PM4501           432         KFV           432         KFV           432         S           5         BCV455           40         40	V RPA450V 440 / PA450V rectang 440 V RPM450V circular 440 V PM450V 440 KFV 440 BCV45	RPA450V           441           PA450V           Jular fla           441           Y RPM450V           flange:           441           PM450V           441           BCV45           530	7 RPA450V 530 PA450V mges 530 7 RPM450V 5 530 FM450V 530 KFV 530 BCV45	RPA450V           532           PA450V           532           Y           RPM450V           532           PM450V           532           PM450V           532           PM450V           532           BCV45	RPA450V           540           PA450V           540           RPM450V           540           RPM450V           540           KFV           540           BCV45	RPA450V           541           PA450V           541           RPM450V           541           PM450V           541           KFV           541           BCV45	RPA670V 630 PA670V 630 RPM670V 630 KFV 630 BCV67 632	RPA670V 632 PA670V 632 RPM670V 632 PM670V 632 KFV 632 BCV67 640	RPA670V 640 PA670V 640 RPM670V 640 KFV 640 BCV67	RPA670V           641           PA670V           641           RPM670V           641           RPM670V           641           BCV67           641           BCV67	RPA670V           730           PA670V           730           RPM670V           730           RPM670V           730           BCV67           730	RPA670V           732           PA670V           732           732           732           PM670V           732           FM670V           732           BCV67	RPA670V           740           PA670V           740           740           740           PM670V           740           RPM670V           740           BCV67	RPA670           741           PA670           741           RPM670           741           KFV           741           BCV66           741
Delivery plea Delivery plea Delivery plea Circular flang Condensate MZC Plenum with Ver	im with cir Ver ccessories num interr Ver ges kit for Ver drip Ver drip Ver	RPA450 cular flange 430 PA450 PA450 RPM450 nally insulat 430 PM450 plenum 430 KFV 430 BCV4: iven damper 432 4	W         RPA450           s         432           V         PA4501           ed, with         432           DV         RPM4502           ed, with         432           DV         RPM4502           ed, with         432           V         PM4503           432         KFV           432         KFV           432         S           5         BCV455           rs         40	V RPA450V 440 / PA450V rectang 440 V RPM450V circular 440 V PM450V 440 KFV 440 BCV45	RPA450V           441           PA450V           Jular fla           441           Y RPM450V           flange:           441           PM450V           441           BCV45           530	7 RPA450V 530 PA450V mges 530 7 RPM450V 530 KFV 530 BCV45 532	RPA450V           532           PA450V           532           Y           RPM450V           532           PM450V           532           PM450V           532           BCV45           540	RPA450V           540           PA450V           540           RPM450V           540           RPM450V           540           S40           BCV45           541	RPA450V           541           PA450V           541           RPM450V           541           RPM450V           541           BCV45           630	RPA670V 630 PA670V 630 RPM670V 630 KFV 630 BCV67 632	RPA670V 632 PA670V 632 RPM670V 632 PM670V 632 KFV 632 BCV67 640	RPA670V 640 PA670V 640 RPM670V 640 KFV 640 BCV67	RPA670V           641           PA670V           641           RPM670V           641           RPM670V           641           BCV67           641           BCV67	RPA670V           730           PA670V           730           RPM670V           730           RPM670V           730           BCV67           730	RPA670V           732           PA670V           732           732           732           PM670V           732           FM670V           732           BCV67           732           732	RPA670V           740           PA670V           740           Y           RPM670V           740           PM670V           740           KFV           740           BCV67           740	RPA670           741           PA670           741           RPM670           741           KFV           741           BCV67           741
Delivery plei Delivery plei Delivery plei Circular flan Condensate MZC Plenum with	im with cir Ver ccessories num interr Ver ges kit for Ver drip Ver drip Ver	RPA450 cular flange 430 PA450 PA450 RPM450 mally insulat 430 PM45C plenum 430 KFV 430 BCV4: iven dampe 432 4 MZCS040 MZ	VV         RPA450           s         432           V         PA4501           ed, with         432           OV         RPM4502           ed, with         432           OV         RPM4502           ed, with         432           V         PM4503           432         KFV           432         KFV           432         SCV45           5         BCV45           5040         M2	V RPA450V 440 / PA450V rectang 440 V RPM450V circular 440 V PM450V 440 KFV 440 BCV45 441 (C5040 M2	RPA450V           441           PA450V           Jular fla           441           ' RPM450V           flange:           441           PM450V           flange:           441           KFV           441           KFV           441           SCV45           530	<ul> <li>7 RPA450V</li> <li>530</li> <li>PA450V</li> <li>mges</li> <li>530</li> <li>7 RPM450V</li> <li>530</li> <li>7 RPM450V</li> <li>530</li> <li>530</li> <li>FV</li> <li>530</li> <li>BCV45</li> <li>532</li> <li>AZC5040</li> </ul>	RPA450V           532           PA450V           532           Y           RPM450V           532           PM450V           532           PM450V           532           REV45           532           BCV45           540	RPA450V           540           PA450V           540           RPM450V           540           RPM450V           540           S40           BCV45           541	RPA450V           541           PA450V           541           RPM450V           541           RPM450V           541           BCV45           630	RPA670V 630 PA670V 630 RPM670V 630 PM670V 630 KFV 630 BCV67 632 MZC7050	RPA670V 632 PA670V 632 RPM670V 632 PM670V 632 KFV 632 BCV67 640	RPA670V 640 PA670V 640 RPM670V 640 KFV 640 BCV67	RPA670V           641           PA670V           641           RPM670V           641           RPM670V           641           BCV67           641           BCV67	RPA670V           730           PA670V           730           RPM670V           730           RPM670V           730           BCV67           730	RPA670V           732           PA670V           732           732           732           PM670V           732           FM670V           732           BCV67           732           732	RPA670V           740           PA670V           740           Y           RPM670V           740           PM670V           740           KFV           740           BCV67           740	RPA670           741           PA670           741           RPM670           741           KFV           741           BCV67           741
Delivery plea Delivery plea Delivery plea Circular flang Condensate MZC Plenum with Ver	im with cir Ver ccessories num interr Ver ges kit for Ver drip Ver drip Ver	RPA450         cular flange         430         PA450         mally insulat         430         RPM450         mally insulat         430         PM450         plenum         430         KFV         430         BCV4:         iven dampet         432       4         MZC5040       MZ4	W         RPA450           s         432           V         PA4500           ed, with         432           OV         RPM4500           ed, with         432           OV         RPM4500           ed, with         432           V         PM4500           432         KFV           432         KFV           432         KFV           432         SECV45           rs         40           40         40	V RPA450V 440 / PA450V rectang 440 V RPM450V circular 440 V PM450V 440 KFV 440 BCV45 441 (C5040 M2	RPA450V           441           PA450V           Jular fla           441           Y RPM450V           flange:           441           PM450V           441           BCV45           530	7 RPA450V 530 PA450V mges 530 7 RPM450V 530 FM450V 530 KFV 530 BCV45	RPA450V           532           PA450V           532           Y           RPM450V           532           PM450V           532           PM450V           532           BCV45           540	RPA450V           540           PA450V           540           RPM450V           540           RPM450V           540           S40           BCV45           541	RPA450V           541           PA450V           541           RPM450V           541           RPM450V           541           BCV45           630	RPA670V 630 PA670V 630 RPM670V 630 KFV 630 BCV67 632	RPA670V 632 PA670V 632 RPM670V 632 PM670V 632 KFV 632 BCV67 640	RPA670V 640 PA670V 640 RPM670V 640 KFV 640 BCV67 640 BCV67 640 BCV67	RPA670V           641           PA670V           641           RPM670V           641           RPM670V           641           BCV67           641           BCV67           41           7050	RPA670V           730           PA670V           730           RPM670V           730           RPM670V           730           BCV67           730	RPA670V           732           PA670V           732           732           732           PM670V           732           FM670V           732           BCV67           732           732	RPA670V           740           PA670V           740           Y           RPM670V           740           PM670V           740           KFV           740           BCV67           740	RPA670           741           PA670           741           RPM670           741           KFV           741           BCV67

#### Electrical system with relays

 Ver	430	432	440	441	530	532	540	541	630	632	640	641	730	732	740	741
	-	-	-	-	-	-	-	-	-	-	MZCACV (1)	MZCACV (1)	) MZCACV (1)	MZCACV (1)	MZCACV (1)	MZCACV (1)

(1) It is mandatory to use MZCACV if the intake of the unit combined with the MZC accessory exceeds 0.7 Ampere. The accessory cannot be fitted on the configurations indicated with -

For more information, please refer to the MZC plenum sheet.

# **PERFORMANCE SPECIFICATIONS**

2-pipe

			VED43	0		VED44	)	١	/ED53(	0	١	/ED54	0	١	/ED63(	0	١	/ED64	0		/ED73	0	1	VED74	10
		1	3	5	1	3	5	2	4	5	2	4	5	1	3	5	1	3	5	1	3	5	1	3	5
		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	10,47	13,85	15,97	11,45	15,36	18,11	13,80	16,47	17,57	15,38	18,59	19,91	18,63	22,67	27,02	22,45	27,74	32,69	21,18	25,36	29,00	22,88	27,65	31,7
Water flow rate system side	l/h	918	1214	1401	1004	1347	1588	1210	1444	1541	1349	1630	1746	1634	1988	2369	1969	2433	2867	1857	2224	2543	2007	2425	2781
Pressure drop system side	kPa	9	14	19	11	18	24	13	158	21	18	25	29	30	43	58	19	29	38	38	55	67	26	36	46
Heating performance 45 °C / 40 °C (2)																									
Heating capacity	kW	5,20	5,88	7,94	5,69	7,64	9,01	6,86	8,19	8,74	7,45	9,24	9,90	9,26	11,20	13,40	9,88	12,40	14,80	10,50	12,60	14,20	11,30	13,70	15,7
Water flow rate system side	l/h	894	1183	1366	979	1314	1550	1180	1409	1503	1281	1589	1703	1593	1926	2305	1699	2133	2546	1806	2167	2442	1944	2356	2700
Pressure drop system side	kPa	9	14	19	11	18	24	14	19	21	21	25	30	30	42	58	16	24	32	38	52	66	26	36	35
Cooling performance 7 °C / 12 °C																									
Cooling capacity	kW	4,54	5,98	6,72	5,21	6,88	7,79	5,99	7,16	7,49	7,26	8,31	8,70	8,67	10,43	12,19	10,20	12,50	14,80	10,17	11,92	13,48	11,73	13,95	15,7
Sensible cooling capacity	kW	3,40	4,54	5,13	3,65	4,86	5,51	4,55	5,48	5,75	4,87	5,90	6,18	7,00	8,48	9,96	7,02	8,62	10,30	8,25	9,71	11,07	8,11	9,69	10,9
Water flow rate system side	l/h	781	1029	1156	896	1183	1340	1030	1232	1288	1249	1429	1496	1491	1794	2097	1754	2150	2546	1749	2050	2319	2018	2399	2702
Pressure drop system side	kPa	8	13	17	10	17	22	12	19	21	19	25	28	26	36	48	24	34	47	35	46	58	27	37	45
Fan																									
Туре	type												Centr	ifugal											
Fan motor	type												Asynch	ronous											
Number	no.		2			2			2			2			3			3			3			3	
Air flow rate	m³/h	790	1130	1350	780	1100	1340	1120	1400	1520	1100	1380	1500	1380	1800	2210	1567	2004	2440	1640	2040	2410	1600	2000	2350
High static pressure	Pa	24	50	72	-	50	63	32	50	70	32	50	56	30	50	75	30	50	75	32	50	69	32	50	64
Input power	W	137	175	228	135	178	222	175	232	270	172	230	267	220	271	340	220	293	340	234	285	371	234	285	371
Electrical wiring		V1	V3	V5	V1	V3	V5	V2	V4	V5	V2	V4	V5	V1	V3	V5	V1	V3	V5	V1	V3	V5	V1	V3	V5
Duct type fan coil sound data (3)																									
Sound power level (inlet + radiated)	dB(A)	51,0	57,0		51,0		61,0		59,0	62,0	53,0	59,0	62,0	61,0	64,0	68,0	61,0	64,0	68,0	62,0	66,0	68,0	62,0	66,0	68,0
Sound power level (outlet)	dB(A)	47,0	53,0	57,0	47,0	53,0	57,0	49,0	55,0	58,0	49,0	55,0	58,0	57,0	60,0	64,0	57,0	60,0	64,0	58,0	62,0	64,0	58,0	62,0	64,0
Diametre hydraulic fittings																									
Туре	type													-											
Main heat exchanger	Ø												3/	'4″											
Finned pack heat exchanger																									
Water content main heat exchanger			2,9			3,9			2,9			3,9			4,7			6,3			4,7			6,3	
Power supply																									
Power supply													230V/	~50Hz											

Room air temperature 20 °C d.b.; Water (in/out) 70 °C/60 °C
 Room air temperature 20°C d.b.; Water (in/out) 45°C/40°C; EUROVENT
 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

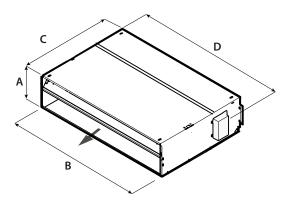
			VED441			VED541			VED641			VED741	
		1	3	5	2	4	5	1	3	5	1	3	5
		L	М	Н	L	М	Н	L	М	Н	L	М	Н
Heating performance 65 °C / 55 °C (1)													
Heating capacity	kW	5,53	6,68	7,30	6,70	7,62	7,89	9,65	11,00	12,30	10,50	11,80	12,90
Water flow rate system side	l/h	475	574	627	576	655	678	829	946	1057	903	1014	1109
Pressure drop system side	kPa	14	20	23	20	25	26	15	19	24	18	22	25
Cooling performance 7 °C / 12 °C													
Cooling capacity	kW	5,35	7,05	8,00	7,46	8,56	8,94	10,40	12,70	15,20	11,90	14,20	16,10
Sensible cooling capacity	kW	3,79	5,03	5,74	5,07	6,14	6,42	7,26	8,92	10,70	8,37	9,96	11,30
Water flow rate system side	l/h	920	1212	1376	1283	1472	1537	1788	2184	2614	2046	2442	2769
Pressure drop system side	kPa	12	19	24	21	27	29	24	35	48	27	37	46
Fan													
Туре	type						Centr	ifugal					
Fan motor	type						Asynch	ironous					
Number	no.		2			2			3			3	
Air flow rate	m³/h	750	1060	1253	1060	1360	1453	1340	1730	2120	1600	2000	2358
High static pressure	Pa	25	50	70	32	50	57	30	50	75	32	50	69
Input power	W	121	175	215	170	229	265	224	264	341	224	288	373
Electrical wiring		V1	V3	V5	V2	V4	V5	V1	V3	V5	V1	V3	V5
Duct type fan coil sound data (2)													
Sound power level (inlet + radiated)	dB(A)	51,0	57,0	61,0	53,0	59,0	62,0	61,0	64,0	68,0	62,0	66,0	68,0
Sound power level (outlet)	dB(A)	47,0	53,0	57,0	49,0	55,0	58,0	57,0	60,0	64,0	58,0	62,0	64,0
Diametre hydraulic fittings													
Туре	type							-					
Main heat exchanger	Ø						3/	4″					
Secondary heat exchanger	Ø						1,	2″					
Finned pack heat exchanger													
Water content main heat exchanger	I		3,9			3,9			6,3			6,3	
Water content secondary heat exchanger	1		1,0			1,0			1,6			1,6	
Power supply													

		VED441	VED541	VED641	VED741
Power supply			230V/	~50Hz	
(2) Aermec determines the	0°C d.b.; Water (in/out) 65 °C/5 sound power value on the basi	5 °C; EUROVENT s of measurements taken in accordance with st		Eurovent certification.	
VED			From VED 430 to 741		
Fan speed	V1	V2	V3	V4	V5
Motor connection	L5	L4	L3	L2	L1

The speed of associates may differ from the standard factory configuration.

For more information refer to the selection program and to to the dedicated documentation.

### DIMENSIONS



		VED430	VED440	VED530	VED540	VED630	VED640	VED730	VED740
Dimensions and weights									
A	mm	300	300	300	300	351	351	351	351
В	mm	1133	1133	1133	1133	1533	1533	1533	1533
C	mm	737	737	737	737	789	789	789	789
D	mm	1158	1158	1158	1158	1558	1558	1558	1558
Net weight	kg	41,0	43,0	42,0	47,0	57,0	60,0	58,0	61,0
		VED432	VED441	VED532	VED541	VED632	VED641	VED732	VED741
Dimensions and weights									
A	mm	300	300	300	300	351	351	351	351
В	mm	1133	1133	1133	1133	1533	1533	1533	1533
(	mm	737	737	737	737	789	789	789	789
D	mm	1158	1158	1158	1158	1558	1558	1558	1558

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