



VED 030I-340I

Fan coil unit for ducted installations

- Horizontal and vertical installation
- Large range of available static pressure
- Inspectable ventilation group
- Total comfort: reduced temperature and humidity oscillations
- Electricity savings of 50% compared with a fan coil with multi-speed motor





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.

Brushless motor with continuous speed variation 0-100%.

Inverter motor allows precise adaptation to the real indoor environment requirements without temperature oscillations. The air flow can be continuously changed through a 1-10 V signal, coming from adjustment and control commands Aermec or from independent adjustment systems.

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

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

Heat exchanger coil

With copper pipes and aluminium louvers, the main coil has female gas hydraulic connections and is fitted with 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.



Control panels

AER503IR: Flush-mounting thermostat with backlit display, capacitive keypad and infrared receiver, for controlling both brushless fan coils and those with an asynchronous motor. In 2-pipe systems, the thermostat can control standard fan coils or those equipped with an electric heater, with air purifying devices (Cold Plasma and germicidal lamp), with radiant plate or with FCZ-D twin delivery (Dualjet). In addition, it can control systems with radiant panels or mixed (fan coil and radiant floor) systems. Being equipped with an infrared receiver, it can, in turn, be controlled by the VMF-IR remote control.

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

SW3: Water probe (L = 2.5 m) for controlling the minimum and maximum and to allow automatic seasonal switching for electronic thermostats fitted with water side changeover.

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

SWAI: External air or water temperature probe.

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).

WMT21: Electronic thermostat for inverter fancoils.

VMF Components

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

VMF-E3: Wall mounted user interface, to be combined with accessories VMF-E19, VMF-E19I, VMF-E0X with grids GLF_N/M and GLL_N, can be controlled with VMF-IR control.

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

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

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

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

VMF-SW: Water probe (L = 2.5m) used if required in place of the standard unit supplied with the VMF-E0X, VMF-E19 and VMF-E19I thermostats for mounting it upstream of the valve

VMF-SW1: Additional water probe (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

Valves and additional water coil

BV: Single row hot water heat exchanger.

VCF_X: Kit of 3-way valves for fan coils with a single coil and the water connections on the left, for installation in 4-pipe systems. This kit consists of two 3-way insulated valves and four connections, complete with electrothermal actuators, insulating shells for the valves, and the relative hydraulic couplings. 230V power supply. Water connections: Valve body Ø G 3/4" male; Valve side connection tubes Ø G 3/4" female; Unit side connection tubes Ø G 3/4" male.

VCF41 - 42 - 43 - for main coil: 3-way motorised valve kit for the main coil. The kit is made up of a valve with its insulating shell, actuator and relative hydraulic fittings. It can be installed on fan coils with both right and left connections. If the valve is combined with the BCZ5 or BCZ6 condensate drain pan, to ensure a better housing it is possible to remove the insulating shell.

VCF44 - **45** - **for the secondary coil:** The 3-way motorised valve kit for the secondary coil heat only. The kit consists of a valve with its insulating shell, actuator and relevant water fittings; it is suitable to be installed on the fan coils with right and left water connections.

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

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.

Installation accessories

AMP: Wall mounting kit BC: Condensate drip. DSC: Condensate drainage device.

Accessories for intake

GA: Intake grid with fixed louvers
GAF: Intake grid with filter and fixed louvers
SE_X: External air shutter with manual control.
RDA_V: Straight intake connection with rectangular flange.
RDA_C: Straight intake connection with circular flanges.
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.

Delivery accessories

GM: Flow grid with adjustable louvers.

MZC: Plenum with motorised dampers.

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.

RDM_C: Straight discharge internally insulated, with circular flanges.

KFV: Circular flanges kit for plenum.

ACCESSORIES COMPATIBILITY

Control panels and dedicated accessories

Accessory	VED030I	VED040I	VED130I	VED140I	VED230I	VED240I	VED330I	VED340I
AER503IR	•	•	•	•	•	•	•	•
PR0503	•		•	•	•	•	•	•
SA5	•	•	•	•	•	•	•	•
SW3	•	•	•	•	•	•	•	•
SW5	•	•	•	•	•	•	•	•
SWAI	•	•	•	•	•	•	•	•
ТХ	•	•	•	•	•	•	•	•
WMT21	•	•	•		•	•	•	•

VMF system

Accessory	VED030I	VED040I	VED130I	VED140I	VED230I	VED240I	VED330I	VED340I
VMF-E19I	•	•	•	•	•	•	•	•
VMF-E3	•	•	•	•	•	•	•	•
VMF-E4DX	•	•	•	•	•	•	•	•
VMF-E4X	•	•	•	•	•	•	•	•
VMF-IO	•	•	•	•	•	•	•	•
VMF-IR	•		•		•	•	•	•
VMF-LON	•	•	•	•	•	•	•	•
VMF-SW	•	•	•	•	•	•	•	•
VMF-SW1	•	•	•	•	•	•	•	•

(Heating only) additional coil

VED030I	VED130I	VED230I	VED330I
•			
	•		
			•
		•	
	vED0301 •	VED030I VED130I •	VED030I VED130I VED230I

Water valves

Valve Kit for 4 pipe systems with main coil

Accessory	VED030I	VED040I	VED130I	VED140I	VED230I	VED240I	VED330I	VED340I
VCF3X4L	•	•	•		•		•	•
VCF3X4LS				•		•		
VCF3X4R	•	•	•		•		•	•
VCF3X4RS				•		•		

3 way valve kit

	VED030I	VED040I	VED130I	VED140I	VED230I	VED240I	VED330I	VED340I
3 way valve kit								
Main coil	VCF43-VCF4324	VCF43-VCF4324	VCF43-VCF4324	VCF43S-VCF4324S	VCF43-VCF4324	VCF43S-VCF4324S	VCF43-VCF4324	VCF43-VCF4324
Additional coil "BV"	VCF45-VCF4524	-	VCF45-VFC4524	-	VCF45-VCF4524	-	VCF45-VCF4524	-
VCE43 - 45 Power supply 230V VCE4	274-4574 Power supply 24V - Hydrau	ilic connections Ø 3/4						

VCF43 - 45 Power supply 230V, VCF4324-4524 Power supply 24V - Hydraulic connections Ø 3/4

2 way valve kit

	VED030I	VED040I	VED130I	VED140I	VED230I	VED240I	VED330I	VED340I
2 way valve kit								
Main coil	VCFD3-VCFD324							
Additional coil "BV"	VCFD4-VCFD424	-	VCFD4-VCFD424	-	VCFD4-VCFD424	-	VCFD4-VCFD424	-

VCFD3 Power supply 230V, VCFD324 Power supply 24V - Hydraulic connections Ø 3/4" VCFD4 Power supply 230V, VCFD424 Power supply 24V - Hydraulic connections Ø 1/2"; For additional coil (heating only) BV.

Combined adjustment and balancing valve cold side

Model	Ver	030	040	130	140	230	240	330	340
VJP060 (1)		•	•	•	•				
VJP060M (2)		•	•	•	•				
VJP090 (1)	I					•	•	•	•
VJP090M (2)						•	•	•	•
VJP150 (1)	I							•	•
VJP150M (2)	1								•

(1) 230V~50Hz (2) 24V VJP060 - 090 - 150 (230V~50Hz); VJP060M-090M-150M (24V)

Installation accessories

Wall mounting accessories							
Accessory	VED030I	VED040I	VED130I	VED140I	VED230I	VED240I	VED340I
AMP	•	•	•	•	•	•	•

Condensate drip

Condensate drip								
Accessory	VED030I	VED040I	VED130I	VED140I	VED230I	VED240I	VED330I	VED340I
3CZ4	•	•	•	•	•	•	•	•
BCZ6	•	•	•	•	•	•	•	•
Accessory	VED030I	VED040I	VED130I	VED140I	VED230I	VED240I	VED330I	VED340I
8(9	•	•	•	•	•	•	•	•
BCZ4 For vertical installation. BCZ6 For horizontal installation. BC9 For horizontal installation.								
Condensate drainage								
Ver	030	040	130	140	230	240	330	340
	DSC4	DSC4	DSC4	DSC4	DSC4	DSC4	DSC4	DSC4
Accessories for intake								
ntake grids								
Accessory	VED030I	VED040I	VED130I	VED140I	VED230I	VED240I	VED330I	VED340I
GA22	•	•						
GA32			•	•				
5A42					•	•		
5A62					-	-	•	•
Intake grid with filter an	d fixed louvers							
Accessory	VED030I	VED040I	VED130I	VED140I	VED230I	VED240I	VED330I	VED340I
GAF22	•	•	VEDTSOI	VEDTHOL	102301	1602101	VEDSSOI	VEDSHOT
		-	•	•				
VE30								
			•					
GAF42				•	•	•	•	•
SAF42 SAF62	manual control				•	•	•	•
SAF42 SAF62	manual control	040	130	140	230	. 240	330	340
GAF32 GAF42 GAF62 External air shutter with Ver I		040 SE20X (1)						
5AF42 5AF62 External air shutter with Ver I	030 SE20X (1)	SE20X (1)	130	140	230	240	330	340
5AF42 5AF62 External air shutter with Ver I 1) The SE accessories must be combin	030 SE20X (1) ned with the design and struct	SE20X (1)	130	140	230	240	330	340
iAF42 iAF62 External air shutter with Ver I 1) The SE accessories must be combin ntake straight with rect	030 SE20X (1) The design and struct Stangular flanges	SE20X (1) tural feet.	130 SE30X (1)	140 SE30X (1)	230 SE40X (1)	240 SE40X (1)	330 SE80X (1)	340 SE80X (1)
iAF42 iAF62 External air shutter with Ver I 1) The SE accessories must be combin Intake straight with rect Accessory	030 SE20X (1) ned with the design and struct cangular flanges VED0301	SE20X (1) tural feet. VED040I	130	140	230	240	330	340
iAF42 iAF62 External air shutter with Ver I 1) The SE accessories must be combin ntake straight with rect Iccessory IDA000V	030 SE20X (1) The design and struct Stangular flanges	SE20X (1) tural feet.	130 SE30X (1) VED130I	140 SE30X (1) VED140I	230 SE40X (1)	240 SE40X (1)	330 SE80X (1)	340 SE80X (1)
iAF42 iAF62 External air shutter with Ver I 1) The SE accessories must be combin ntake straight with rect iccessory IDA000V IDA100V	030 SE20X (1) ned with the design and struct cangular flanges VED0301	SE20X (1) tural feet. VED040I	130 SE30X (1)	140 SE30X (1)	230 SE40X (1) VED230I	240 SE40X (1) VED240I	330 SE80X (1)	340 SE80X (1)
SAF42 SAF62 External air shutter with Ver I 1) The SE accessories must be combin Intake straight with rect Accessory RDA000V RDA100V RDA200V	030 SE20X (1) ned with the design and struct cangular flanges VED0301	SE20X (1) tural feet. VED040I	130 SE30X (1) VED130I	140 SE30X (1) VED140I	230 SE40X (1)	240 SE40X (1)	330 SE80X (1) VED330I	340 SE80X (1) VED340I
iAF42 iAF62 External air shutter with Ver I 1) The SE accessories must be combin intake straight with rect Accessory DDA000V DDA100V DDA200V ADA300V	030 SE20X (1) Hed with the design and struct trangular flanges VED0301 •	SE20X (1) tural feet. VED040I •	130 SE30X (1) VED130I	140 SE30X (1) VED140I	230 SE40X (1) VED230I	240 SE40X (1) VED240I	330 SE80X (1)	340 SE80X (1)
SAF42 SAF62 External air shutter with Ver I 1) The SE accessories must be combin Intake straight with rect Accessory RDA000V RDA100V RDA200V RDA300V	030 SE20X (1) and with the design and struct angular flanges VED030I y insulated, with ci	SE20X (1) tural feet. VED040I	130 SE30X (1) VED130I	140 SE30X (1) VED140I	230 SE40X (1) VED230I	240 SE40X (1) VED240I	330 SE80X (1) VED330I	340 SE80X (1) VED340I
iAF42 iAF62 ixternal air shutter with Ver I 1) The SE accessories must be combin ntake straight with rect iccessory IDA000V IDA100V IDA300V iDA300V iDA300V intake straight internall iccessory	030 SE20X (1) thed with the design and struct rangular flanges VED0301 • ty insulated, with ci VED0301	SE20X (1) tural feet. VED0401 • • • • • • • • •	130 SE30X (1) VED130I	140 SE30X (1) VED140I	230 SE40X (1) VED230I	240 SE40X (1) VED240I	330 SE80X (1) VED330I	340 SE80X (1) VED340I
iAF42 iAF62 ixternal air shutter with Ver I 1) The SE accessories must be combin ntake straight with rect iccessory IDA000V IDA100V IDA300V iDA300V iDA300V iDA300V iDA300V iDA300V	030 SE20X (1) and with the design and struct angular flanges VED030I y insulated, with ci	SE20X (1) tural feet. VED040I	130 SE30X (1) VED1301 VED1301	140 SE30X (1) VED1401 VED1401	230 SE40X (1) VED230I	240 SE40X (1) VED240I	330 SE80X (1) VED330I	340 SE80X (1) VED340I
iAF42 iAF62 External air shutter with Ver I 1) The SE accessories must be combin intake straight with rect Accessory ADA000V ADA200V ADA300V IDA300V IDA400V ADA300V IDA600V ADA5	030 SE20X (1) thed with the design and struct rangular flanges VED0301 • ty insulated, with ci VED0301	SE20X (1) tural feet. VED0401 • • • • • • • • •	130 SE30X (1) VED130I	140 SE30X (1) VED140I	230 SE40X (1) VED230I	240 SE40X (1) VED240I	330 SE80X (1) VED330I	340 SE80X (1) VED340I
iAF42 iAF62 ixternal air shutter with Ver I 1) The SE accessories must be combin ntake straight with rect iccessory DA200V DD300V ntake straight internall iccessory DA200V DD400V DD40	030 SE20X (1) thed with the design and struct rangular flanges VED0301 • ty insulated, with ci VED0301	SE20X (1) tural feet. VED040I • Frcular flanges VED040I	130 SE30X (1) VED1301 VED1301	140 SE30X (1) VED1401 VED1401	230 SE40X (1) VED230I	240 SE40X (1) VED240I	330 SE80X (1) VED330I VED330I	340 SE80X (1) VED340I
GAF42 GAF62 External air shutter with Ver I 1) The SE accessories must be combin Intake straight with rect Accessory RDA200V RDA2	030 SE20X (1) thed with the design and struct rangular flanges VED0301 • ty insulated, with ci VED0301	SE20X (1) tural feet. VED040I • Frcular flanges VED040I	130 SE30X (1) VED1301 VED1301	140 SE30X (1) VED1401 VED1401	230 SE40X (1) VED230I	240 SE40X (1) VED240I	330 SE80X (1) VED330I	340 SE80X (1) VED340I
iAF42 iAF62 ixternal air shutter with Ver I 1) The SE accessories must be combin ntake straight with rect ixcessory DA000V DD100V DD200V DD300V ntake straight internall ixcessory DD200V DD200	030 SE20X (1) and with the design and struct cangular flanges VED030I · y insulated, with ci VED030I ·	SE20X (1) tural feet. VED0401 rcular flanges VED0401	130 SE30X (1) VED1301 • VED1301	140 SE30X (1) VED1401 VED1401	230 SE40X (1) VED230I VED230I	240 SE40X (1) VED240I VED240I	330 SE80X (1) VED330I VED330I	340 SE80X (1) VED340I VED340I
AF42 AF62 External air shutter with Ver I 1) The SE accessories must be combin ntake straight with rect ICCESSORY IDA100V IDA200V IDA300V IDA300V IDA200V	030 SE20X (1) red with the design and struct angular flanges VED030I • y insulated, with ci VED030I • angular flanges VED030I	SE20X (1) tural feet. VED040I • Frcular flanges VED040I	130 SE30X (1) VED1301 VED1301	140 SE30X (1) VED1401 VED1401	230 SE40X (1) VED230I	240 SE40X (1) VED240I	330 SE80X (1) VED330I VED330I	340 SE80X (1) VED340I VED340I
iAF42 iAF62 External air shutter with Ver I 1) The SE accessories must be combin ntake straight with rect Accessory IDA200V IDA20	030 SE20X (1) and with the design and struct cangular flanges VED030I · y insulated, with ci VED030I ·	SE20X (1) tural feet. VED0401 rcular flanges VED0401	130 SE30X (1) VED1301 • VED1301	140 SE30X (1) VED1401 VED1401	230 SE40X (1) VED230I VED230I	240 SE40X (1) VED240I VED240I	330 SE80X (1) VED330I VED330I	340 SE80X (1) VED340I VED340I
iAF42 iAF62 iAF62 iAF62 iAF62 i iAF62 i i i i i i i i i i i i i i i i i i i	030 SE20X (1) red with the design and struct angular flanges VED030I • y insulated, with ci VED030I • angular flanges VED030I	SE20X (1) tural feet. VED0401 • rcular flanges VED0401 • VED0401	130 SE30X (1) VED1301 • VED1301	140 SE30X (1) VED1401 VED1401	230 SE40X (1) VED230I VED230I	240 SE40X (1) VED240I VED240I	330 SE80X (1) VED330I VED330I	340 SE80X (1) VED340I VED340I
GAF42 GAF62 External air shutter with	030 SE20X (1) red with the design and struct angular flanges VED030I • y insulated, with ci VED030I • angular flanges VED030I	SE20X (1) tural feet. VED0401 • rcular flanges VED0401 • VED0401	130 SE30X (1) VED130I VED130I VED130I	140 SE30X (1) VED1401 VED1401 VED1401	230 SE40X (1) VED230I VED230I	240 SE40X (1) VED240I VED240I	330 SE80X (1) VED330I VED330I	340 SE80X (1) VED340I VED340I

Intake plenum with circular flanges

Accessory	VED030I	VED040I	VED130I	VED140I	VED230I	VED240I	VED330I	VED340I
PA000V	•	•						
PA100V			•	•				
PA200V					•	•		
PA300V							•	•

Delivery accessories

Outlet grille with adjustable louvers

Accessory	VED030I	VED040I	VED130I	VED140I	VED230I	VED240I	VED330I	VED340I
GM22	•	•						
GM32			•	•				
GM42					•	•		
GM62							•	•

Plenum with motor-driven dampers

Accessory	VED030I	VED040I	VED130I	VED140I	VED230I	VED240I	VED330I	VED340I
MZC220	•	•						
MZC320			•	•				
MZC530					•	•		
MZC830							•	•

Delivery plenum internally insulated, with circular flanges

Accessory	VED030I	VED040I	VED130I	VED140I	VED230I	VED240I	VED330I	VED340I
PM000V	•	•						
PM100V			•	•				
PM200V					•	•		
PM300V							•	•

Delivery plenum internally insulated, with rectangular flanges

Accessory	VED030I	VED040I	VED130I	VED140I	VED230I	VED240I	VED330I	VED340I
RPM000V	•	•						
RPM100V			•	•				
RPM200V					•	•		
RPM300V	•						•	•

Delivery straight internally insulated, with circular flanges

Accessory	VED030I	VED040I	VED130I	VED140I	VED230I	VED240I	VED330I	VED340I
RDMC000V	•	•						
RDMC100V			•	•				
RDMC200V					•	•		
RDMC300V							•	•

Straight delivery coupling

Accessory	VED030I	VED040I	VED130I	VED140I	VED230I	VED240I	VED330I	VED340I
RDM000V	•	•						
RDM100V			•	•				
RDM200V					•	•		
RDM300V							•	•

Circular flanges kit for plenum

Accessory	VED030I	VED040I	VED130I	VED140I	VED230I	VED240I	VED340I
KFV10	•	•	•	•	•	•	•

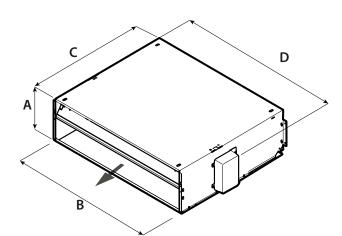
PERFORMANCE SPECIFICATIONS

2-pipe

		1	/ED03(DI	١	ED040)	١	/ED13()I	1	/ED140	DI	1	ED230)	١	/ED24()I	١	/ED33(DI	١	/ED340)I
		1	5	7	1	5	7	1	5	7	1	5	7	1	5	7	1	5	7	1	5	7	1	5	7
		L	М	Н	L	М	Н	L	М	Н	L	М	Н	L	М	Н	L	М	Н	L	М	Н	L	М	Н
Heating performance 70 °C / 60 °C (1)					_									_									_		
Heating capacity	kW	1,82	3,37	3,69	2,37	3,57	3,92	4,40	5,83	6,29	4,52	6,09	6,58	5,35	6,50	7,16	5,80	7,14	7,91	7,81	9,34	10,51	8,31	10,08	10,95
Water flow rate system side	l/h	160	296	323	207	313	343	386	512	552	396	534	577	469	570	628	509	626	694	685	819	921	729	878	960
Pressure drop system side	kPa	3	7	9	4	10	12	13	22	26	9	16	18	27	30	37	18	26	32	9	13	16	22	28	32
Heating performance 45 °C / 40 °C (2)																									
Heating capacity	kW	0,90	1,67	1,83	1,17	1,77	1,94	2,18	2,90	3,12	2,24	3,02	3,27	2,66	3,23	3,56	2,88	3,55	3,93	3,88	4,64	5,22	3,98	4,98	5,44
Water flow rate system side	l/h	157	291	318	204	308	338	380	504	543	390	526	568	462	561	618	501	616	683	674	807	907	718	865	945
Pressure drop system side	kPa	3	8	9	5	11	13	15	24	28	10	16	19	26	29	36	18	27	32	10	14	17	13	20	23
Cooling performance 7 °C / 12 °C (3)																									
Cooling capacity	kW	0,98	1,42	1,58	1,11	1,69	1,86	2,06	2,76	2,95	2,25	3,02	3,25	2,57	3,09	3,37	2,88	3,59	3,97	3,62	4,36	4,91	3,95	4,72	5,27
Sensible cooling capacity	kW	0,74	1,08	1,20	0,80	1,20	1,31	1,42	1,91	2,05	1,59	2,16	2,32	1,98	2,40	2,65	2,18	2,67	2,96	2,77	3,27	3,64	2,92	3,51	3,90
Water flow rate system side	l/h	170	250	279	193	296	327	358	480	515	390	525	566	445	538	588	499	624	691	633	760	860	563	824	922
Pressure drop system side	kPa	3	7	9	5	12	14	15	27	41	11	20	23	25	36	44	16	31	37	10	14	18	34	21	26
Fan																									
Туре	type												Centr	ifugal											
Fan motor	type												Inve	erter											
Number	no.		1			1			2			2			2			2			3			3	
Air flow rate	m³/h	161	256	285	160	249	277	287	397	434	280	386	420	417	524	590	406	509	570	572	704	805	563	685	775
High static pressure	Pa	21	50	61	21	50	61	26	50	60	26	50	60	32	50	64	32	50	63	33	50	66	34	50	64
Input power	W	12	29	36	12	29	36	17	33	45	17	33	45	24	40	53	24	40	53	35	60	86	35	60	86
Signal 0-10V	%	54	80	90	54	80	90	58	82	90	58	82	90	66	80	90	62	80	90	62	78	90	66	84	90
Duct type fan coil sound data (4)																									
Sound power level (inlet + radiated)	dB(A)	44,0	52,0	54,0	44,0	52,0	54,0	47,0	53,0	55,0	47,0	53,0	55,0	49,0	54,0	57,0	49,0	54,0	57,0	49,0	55,0	58,0	49,0	55,0	58,0
Sound power level (outlet)	dB(A)	40,0	48,0	50,0	40,0	48,0	50,0	42,0	48,0	50,0	42,0	48,0	50,0	44,0	49,0	52,0	44,0	49,0	52,0	45,0	51,0	54,0	45,0	51,0	54,0
Diametre hydraulic fittings																									
Туре	type												Gas	5 - F											
Main coil	Ø												3/	4″											
Power supply																									
Power supply													230V~	~50Hz											

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

DIMENSIONS



		VED030I	VED040I	VED130I	VED140I	VED230I	VED240I	VED330I	VED340I
Dimensions and weights									
A	mm	217	217	217	217	217	217	217	217
В	mm	550	550	781	781	1001	1001	1122	1122
C	mm	584	584	584	584	584	584	584	584
D	mm	576	576	807	807	1027	1027	1148	1148

Aermec reserves the right to make any modifications deemed necessary. All data is subject to change without notice. Aermec does not assume responsibility or liability for errors or omissions.

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