

VEC_I

Cassette type fancoil Coanda-effect, with Brushless Inverter motor (EC)
Installation in false ceilings



Aermec participate in the EUROVENT program: FCH the products are present on the site www.eurovent-certification.com



Variable Multi Flow

VMF



Features

- VEC_I:** Fan coil for ambient air treatment during the summer. The air is delivered into the room via vents which, thanks to the COANDA effect, make the air jet adhere to the ceiling.
- Installation in false ceilings
 - Compatible with VMF System
 - Grille with suction and adjustable delivery vents with Coanda effect (compulsory accessory).
 - Unit with standard coil (20÷50)
 - Unit with increased coil (24÷54)
 - Reduced pressure drops across heat exchangers
 - For systems with fixed and variable delivery
 - Fan unit with Brushless motor (continuous 0-100% speed variation)
 - Quiet operation
 - Air filter easily removed and cleaned
 - Internal insulation and air filter of Class 1 fire resistance
 - Reversibility of the water connections during installation
 - Broad range of controls and accessories
 - Easy installation and maintenance
 - Full compliance with safety regulations
 - For possible heat mode functioning, refer to the technical manual notes.

Accessori

Compulsory accessories:

the following are essential for the functioning of the units:

- **VEC_GL:** air suction and delivery grille with adjustable Coanda-effect vents. White RAL 9010.

Accessories:

- **BC5:** auxiliary condensate drain tray.
- **BV:** Single row hot water coil.
- **DSC4:** condensate drainage device for use when natural run-off is not possible.
- **VCF:** kit consisting of a 3-way motorised

valve, and copper couplings and pipes. For 3-row and 1-row coils (BV). Versions with 230V and 24V~50Hz power supply.

- **VCFD:** Kit consisting of a 2-way motorised valve, and copper couplings and pipes. For 3-row and 1-row coils (BV). Versions with 230V and 24V~50Hz power supply.

- **Control panel and VMF System:** the characteristics are described on the appropriate card.

Accessories for heating mode

- **BV:** Single row hot water coil.
- **VCF:** the kit contains a motorised 3-way valve with insulating shell, plus coupling and pipes in insulated copper Versions with 230V and 24V~50Hz power supply.
- **VCFD:** Kit consisting of powered 2-way valve, copper couplings and pipes. For 3 row. Versions with 230V and 24V~50Hz power supply.

VEC_I (standard coil)	20	30	40	50
VEC_I (increased coil)	24	34	44	54
Compulsory accessories				
VEC20GL	•			
VEC30GL		•		
VEC40GL			•	•
BC5	•	•	•	•
DSC4 (1)	•	•	•	•
VCF41 (standard coil)	•	•		
VCF42 (increased coil)	•	•	•	•
VCF4124 (standard coil)	•	•		
VCF4224 (increased coil)	•	•	•	•

VEC_I (standard coil)	20	30	40	50
VEC_I (increased coil)	24	34	44	54
VCFD1 (standard coil)	•	•		
VCFD2 (increased coil)	•	•	•	•
VCFD124 (standard coil)	•	•		
VCFD224 (increased coil)	•	•	•	•
Control panel				
WMT20	•	•	•	•
VMF-System				
VMF-E4 / E4D	•	•	•	•
VMF-E18	•	•	•	•
VMF-E5B / E5N	•	•	•	•

VEC_I (standard coil)	20	30	40	50
VEC_I (increased coil)	24	34	44	54
VMF-SW	•	•	•	•
VMF-SW1	•	•	•	•
Accessory dedicated to heating mode				
BV122	(2)	•		
BV132	(2)		•	
BV142	(2)			•
VCF44	(2)(3)	•	•	•
VCF4424	(2)(3)	•	•	•
VCFD4	(2)(3)	•	•	•
VCFD424	(2)(3)	•	•	•

(1) DSC4 The accessory is not compatible with the basins BC5, and VMF system.
 (2) See notes and warnings in the technical booklet.
 (3) only for accessory coil BV 1R

Technical data

Mod. VEC_I		Vel.	20I	24I	30I	34I	40I	44I	50I	54I	
COOLING PERFORMANCE											
Total cooling capacity	(1)	W	H	1320	1522	1950	2471	2980	3907	3610	4282
	(1)	W	M	1080	1224	1640	2140	2470	3335	3170	4154
	(1)	W	L	800	877	1370	1789	1980	2552	2350	2995
Sensible cooling capacity	(1)	W	H	1080	1147	1530	1775	2410	2737	2590	2909
	(1)	W	M	880	908	1280	1510	1980	2421	2270	2437
	(1)	W	L	640	667	1050	1257	1580	1909	1680	1785
Water flow rate	(1)	l/h	H	227	262	335	425	513	672	621	737
	(1)	l/h	M	186	211	282	368	425	574	545	714
	(1)	l/h	L	138	151	236	308	341	439	404	515
Pressure drop	(1)	kPa	H	4,6	3	13,3	8	11,3	22	14,8	30
	(1)	kPa	M	4	2	11	6	9	16	10	28
	(1)	kPa	L	2	1	6	4	6	9	6	18
Air flow rate		m ³ /h	H	247	247	383	383	511	511	613	613
		m ³ /h	M	194	194	309	309	406	406	529	529
		m ³ /h	L	130	130	241	241	306	306	371	371
Fans		type	centrifugal								
		n°	1	1	2	2	2	2	2	2	
Absorbed power		W	H	12	12	10	10	17	17	37	37
		W	M	8	8	10	10	9	9	20	20
		W	L	5	5	10	10	6	6	8	8
Max. input current		A	0,11	0,11	0,11	0,11	0,14	0,14	0,3	0,3	
Sound power level	(2)	dB(A)	H	48	48	49	49	48	48	53	53
	(2)	dB(A)	M	42	42	43	43	43	43	50	50
	(2)	dB(A)	L	35	35	37	37	38	38	43	43
Sound pressure level	(3)	dB(A)	H	39,5	39,5	40,5	40,5	39,5	39,5	44,5	44,5
	(3)	dB(A)	M	33,5	33,5	34,5	34,5	34,5	34,5	41,5	41,5
	(3)	dB(A)	L	26,5	26,5	28,5	28,5	29,5	29,5	34,5	34,5
Water content		l	0,79	0,79	1,11	1,11	1,48	1,48	1,48	1,48	
Coil connections		ø	1/2"G	1/2"G	1/2"G	1/2"G	3/4"G	3/4"G	3/4"G	3/4"G	
Speed connected			H	5,4V	5,4V	5V	5V	5,1V	5,1V	6,1V	6,1V
			M	4,2V	4,2V	3,8V	3,8V	3,9V	3,9V	5,1V	5,1V
			L	2,6V	2,6V	2,8V	2,8V	2,8V	2,8V	3,4V	3,4V
Power supply			230V/1/50Hz								

H max. speed; M med. speed; L min. speed

Cooling mode (VEC 20I - 30I - 40I - 50I EUROVENT)

(1) Room air temperature 27°C b.s./19°C b.u.; Inlet water temperature 7°C; ΔT water 5°C

(2) Sound power level on the basis of measurements made in compliance with Eurovent 8/2

(3) Sound pressure level (A-weighted) measured in the room with volume V=85m³, reverberation time t = 0.5 s; Direction factor Q = 2; Distance r = 2.5m

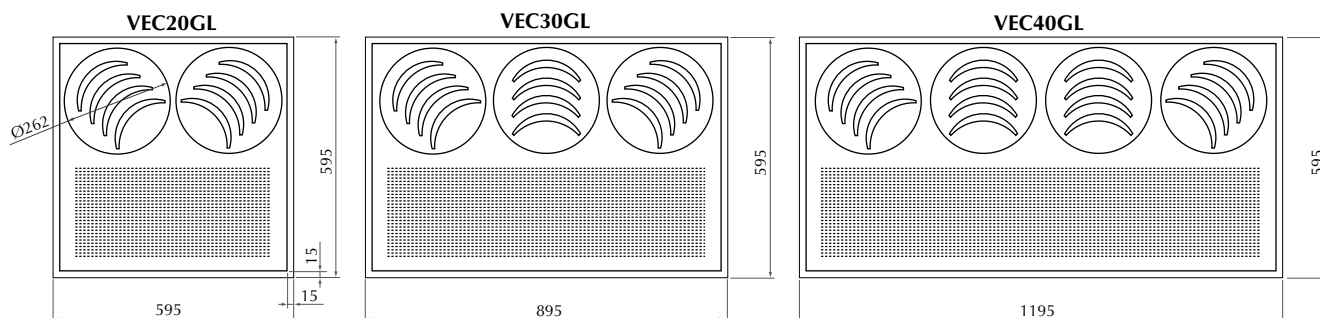
Heating

See notes and warnings in the technical booklet.

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

Dimensions (mm)

VEC_GL (Compulsory accessory)



Dimensions VEC_I + VEC_GL (maximum dimensions)

Mod.	VEC_I	VEC	20/24 20GL	30/34 30GL	40/44 40GL	50/54 40GL
Height	(A)	mm	283	283	283	283
Width	(B)	mm	595	895	1195	1195
Depth	(C)	mm	595	595	595	595
Weight (VEC_I)		kg	15,5	20,6	24,7	24,7
Weight (VEC_GL)		kg	3,7	5,7	7	7

Dimensions VEC_I + VEC_GL (Dimensions for installation)

Mod.	VEC_I	VEC	20/24 20GL	30/34 30GL	40/44 40GL	50/54 40GL
Height	(A)	mm	283	283	283	283
Width	(D)	mm	574	574	574	574
Depth	(E)	mm	574	874	1174	174

Aermec reserves the right to make all modification deemed necessary for improving the product at any time with any modification of technical data.

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