

DUALJET

Controlled outlet fan coils
Floor installation



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



VMF



- White**
- housing RAL 9002
 - head and feet RAL 7044

DUALJET: comfort, everywhere

The perception of uneven temperature distribution, especially vertically, is one of the main factors that can drastically reduce occupants' perceived well-being.

The innovative DUALJET fan coil makes the room more comfortable, by directing the air in such a way as to provide uniform temperature distribution throughout the room.

In winter, warm air is directed towards the floor; in the summer, cool air is directed towards the ceiling.

Features

- Controlled outlet fan coils available in 4 sizes:
- **Vertical installation:**
 - DUALJET:** without control panel but with VMF-E0 thermostat, ready for installation on the network as a Slave unit or as a single or Master unit if combined with the wired panel accessories VMF-E4 / VMF-E4D or VMF-E2D control panel.
 - All units are compatible with the VMF system When installing a centralized control VMF-E5B / VMF-E5N or BMS third party will need to contact your
- Switching the front air outlet or from the top, using the selector on the unit.
- Front outlet for heating operation.
- Outlet from the top for cooling operation.
- Versions with 3-row coil (sizes 20, 30, 40, 50)
- 3-speed ventilating unit
- Full compliance with the accident prevention standards
- Rounded line
- Metallic protective cabinet with rustproofing polyester paint
- Plastic feet available as accessory
- Quiet operation
- Low loss of charge in the heat exchange batteries
- Electric motors with permanently inserted condensers
- Ease of installation and maintenance
- Air filter easy to remove and clean
- Extractable shrouds for easy, effective cleaning
- Water connections can be reversed during installation phase

Accessories

- **Control panel and VMF System:** The features are described in the dedicated cards.
 - * **VMF-E1D** Please contact us.
- **ZX:** Feet for floor mounting
- **VCF:** the kit contains a motorised 3-way valve with insulating shell, plus coupling and pipes in insulated copper. For 4-row, 3-row and 1-row coils (BV). Versions with 230V and 24V~50Hz power supply.
- **VCFD:** Kit consisting of powered 2-way valve, copper couplings and pipes. For 4-row, 3-row and 1-row coils (BV). Versions with 230V and 24V~50Hz power supply.
- **VCF_X4:** The valve kits are designed for fan coil units with single coil, installed in a 4 pipe system with the "Cooling" and "Heating" circuits totally separated. The kit consists of 2 valves of 3-way 4 port connection complete with electro-thermal actuators, insulating shells for the valves and associated hydraulic piping. VCF1X4L Valve kit for left hand connection fan coil units. VCF1X4R Valve kit for right hand connection fan coil units. Power supply: 230V ~ 50Hz.

DUALJET	20	30	40	50
VMF-E4 • VMF-E4D	•	•	•	•
VMF-E2D	•	•	•	•
ZX5	•	•	•	•
VCF41 • VCF4124	•	•		
VCF42 • VCF4224			•	•
VCFD1 • VCFD124	•	•		
VCFD2 • VCFD224			•	•
VCF1X4L • VCF1X4R	•	•		
VCF2X4L • VCF2X4R			•	•

Technical data

Mod. DUALJET	Vel.		20	30	40	50	
HEATING PERFORMANCE (2 PIPE CONFIGURATION)							
Heating capacity (70°C)	(1)	W	H	2960	5354	9918	8191
	(1)	W	M	2531	4065	5521	7529
	(1)	W	L	1906	3165	4062	5021
Water flow rate	(1)	l/h	H	260	470	581	718
	(1)	l/h	M	222	357	484	660
	(1)	l/h	L	167	278	356	440
Pressure drop	(1)	kPa	H	6	20	15	15
	(1)	kPa	M	4	12	11	13
	(1)	kPa	L	3	8	6	6
Heating capacity (50°C)	(2)	W	H	1770	3160	3960	4870
	(2)	W	M	1510	2400	3300	4480
	(2)	W	L	1130	2060	2430	3000
Water flow rate	(2)	l/h	H	258	413	585	721
	(2)	l/h	M	210	316	478	604
	(2)	l/h	L	144	267	397	432
Pressure drop	(2)	kPa	H	6	16	15	15
	(2)	kPa	M	5	10	13	11
	(2)	kPa	L	2	7	8	6
cooling PERFORMANCE							
Total cooling capacity	(3)	W	H	1500	2400	3400	4190
	(3)	W	M	1220	1840	2780	3510
	(3)	W	L	840	1550	2310	2510
Sensible cooling capacity	(3)	W	H	1240	1900	2760	3000
	(3)	W	M	1000	1570	2110	2540
	(3)	W	L	670	1110	1630	1790
Water flow rate	(3)	l/h	H	258	413	585	721
	(3)	l/h	M	210	316	478	604
	(3)	l/h	L	144	267	397	432
Pressure drop	(3)	kPa	H	5,8	28	14,3	19,3
	(3)	kPa	M	5	17	10	14
	(3)	kPa	L	2,5	13	7	7,6
Air flow rate		m ³ /h	H	290	450	600	720
		m ³ /h	M	220	350	460	600
		m ³ /h	L	140	260	330	400
Fans		type		Centrifugal			
		n°	1	2	2	2	
Absorbed power		W	H	25	44	57	67
		W	M	22	33	43	46
		W	L	19	25	30	34
Max. input current		A	0,12	0,21	0,28	0,35	
Sound power level	(4)	dB(A)	H	50	48	51	56
	(4)	dB(A)	M	43	41	44	51
	(4)	dB(A)	L	31	34	37	42
Sound pressure level	(5)	dB(A)	H	42	40	43	48
	(5)	dB(A)	M	35	33	36	43
	(5)	dB(A)	L	23	26	29	34
Water content		l	0,79	1,11	1,48	1,48	
Coil connections		ø	1/2"	1/2"	3/4"	3/4"	
Speed connected			H	V3	V3	V3	
			M	V2	V2	V2	
			L	V1	V1	V1	
Power supply			230V/1/50Hz				

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

Heating mode

2 pipes system configuration

(1) Room air temperature 20°C b.s.; Inlet water temperature 70°C; ΔT water 10°C

2 pipes system configuration (EUROVENT)

(2) Room air temperature 20°C b.s.; Inlet water temperature 50°C; Water flow rate as in cooling mode

Cooling mode (EUROVENT)

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

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

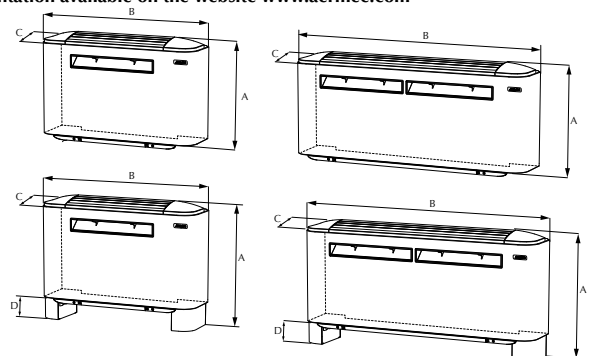
(5) **Sound pressure level** (A-weighted) measured in the room with volume V=85m³, reverberation time t = 0.5 s; Direction factor Q = 2; Distance r = 2.5m

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

Dimensions (mm)

Mod DUALJET		20	30	40	50
Height	A	mm 520	520	520	520
Height with feet		mm 606	606	606	606
Width	B	mm 750	980	1200	1200
Depth	C	mm 220	220	220	220
	D	mm 88	88	88	88
Weight (1)		kg 15	20	24	24

(1) Unit in standard configuration without accessories



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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