

Ventilation

Achieving high indoor air quality for building occupants is an essential factor in HVAC design, especially in light of building regulations and the airtight nature of modern buildings.

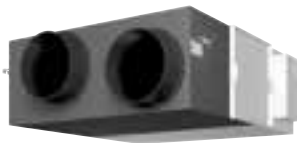
Daikin offers a range of options that enable control of fresh air into commercial and residential spaces. For flow rates of up to 0.556m³/s, our VAM / VKM range of heat recovery ventilation products can efficiently deliver controlled fresh air to meet your design priorities. For larger fresh air requirements, see our AHU range on pages 189-193 of this section, or for further detail, please see pages 305-310 of the Applied section.

VAM-FC/J8

Total Heat Exchanger

Our popular range of Total Heat Exchangers (VAM) are fully compliant with the lot 6 Ecodesign requirements and rated under the EN 308* testing standard. VAM units recover waste energy from the exhaust airstream to minimise running costs and reduce the carbon footprint of the building.

Eliminates **up to 73%** of the additional heating and cooling loads caused by introducing fresh air



VAM-FC/J8

Total Heat Exchanger

			VAM150FC9	VAM250FC9	VAM350J8	VAM500J8	VAM650J8	VAM800J8	VAM1000J8	VAM1500J8	VAM2000J8
Dimensions (excluding switch box & transitions)	Height	mm	285	285	305	305	368	368	368	731	731
	Width	mm	776	776	1113	1113	1354	1354	1354	1354	1354
	Depth	mm	525	525	866	866	920	1172	1172	1172	1172
Weight		kg	24	24	46.5	46.5	61.5	76.5	76.5	160	160
Duct Connection Diameter		mm	100	150	200	200	250	250	250	2 x 250**	2 x 250**
Air Flow Rate	Ultra-High	m³/hr	150	250	350	500	650	800	1000	1500	2000
	High	m³/hr	140	230	300	425	550	680	850	1275	1700
	Low	m³/hr	105	155	200	275	350	440	550	825	1100
	Ultra-High	m³/sec	0.042	0.069	0.097	0.139	0.181	0.222	0.278	0.417	0.556
	High	m³/sec	0.039	0.064	0.083	0.118	0.153	0.189	0.236	0.354	0.472
	Low	m³/sec	0.029	0.043	0.056	0.076	0.097	0.122	0.153	0.229	0.306
External Static Pressure	Ultra-High	Pa	90	70	90	90	90	90	90	90	90
	High	Pa	87	63	70	70	70	70	70	70	70
	Low	Pa	40	25	50	50	50	50	50	50	50
Sound Pressure Level (Heat Exchange Mode)	Ultra-High	dBA	27.0	28.0	34.5	37.5	39.0	39.0	42.0	42.0	45.0
	High	dBA	26.0	26.0	32.0	35.0	36.0	36.0	38.5	39.0	41.5
	Low	dBA	20.5	21.0	29.0	30.5	31.0	30.5	32.5	33.5	36.0
Electrical Details	Power Supply	V / Hz / Phase	230 / 50 / 1								
	Running Current	A	0.9	0.9	1.6	2.1	2.8	4.4	4.9	8.8	9.8
	Max Fuse Size	A	16	16	16	16	16	16	16	16	16
Trade Unit Price			£583.00	£698.00	£1,035.00	£1,322.00	£1,617.00	£1,905.00	£2,183.00	£3,334.00	£4,348.00

* For full details of specifications relating to EN308 please see the technical data book. ** 1 x 350 if optional plenum chambers EKPLEN200 are used.

Optional Accessory Compatibility	VAM150FC9	VAM250FC9	VAM350J8	VAM500J8	VAM650J8	VAM800J8	VAM1000J8	VAM1500J8	VAM2000J8
Inlet Heater Battery+	GSIEKA10009	GSIEKA15018	GSIEKA20024		GSIEKA25030			GSIEKA35530	

+ Heater battery does NOT require PCB adaptor to connect to VAM. UK.VH-CK VAM EHBX24 conversion kit cable included.

++ EKPLEN200 is required to connect VH5B to VAM1500 / 2000 J.

Optional Inlet Heater Battery	GSIEKA10009	GSIEKA15018	GSIEKA20024	GSIEKA25030	GSIEKA35530
Capacity	kW	0.9	1.8	2.4	3.0
Recommended Fuse Size	A	6	10	16	16
Duct Diameter	mm	100	150	200	250
Trade Unit Price		£422.00	£452.00	£541.00	£589.00
					£670.00

Accessories:

Accessory Ref	Description	Trade Price
BRC1H52W	Wired touch screen remote controller - White	£114.00
BRC1H52S	Wired touch screen remote controller - Silver	£121.00
BRC1H52K	Wired touch screen remote controller - Black	£125.00
KRP2A52 and UK.FB2	System adaptor PCB for remote on/off, status indication and temperature setting	£286.00
RTD-Net and UK.FB2	Modbus Interface PCB for Sky Air and VRV	£267.00
RTD-20 and UK.FB2	Energy control PCB for Sky Air and VRV	£356.00
KRP50-2	PCB Adaptor for VAM-FC series connection to humidifier	£151.00
BRP4A50A	PCB Adaptor for VAM-FC9 & VAM-J8 Series connection to 3rd party heater or humidifier	£170.00
EKMP65VAM	Mounting Plate for adaptor PCB installation on VAM650J8	£41.00
EKMPVAM	Mounting Plate for adaptor PCB installation on VAM1500 / 2000 J8	£37.00
EKAFVJ50F6	Air filter for VAM350 / 500 J8 : ePM10 70% (M6)	£150.00

Notes:

- Please contact your local sales office for required options when combined operation with an air conditioning system is required.
- Only one filter is required to cover the whole of one side of the heat exchanger, even if the heat exchanger has two sections. For VAM 1500/2000 two filters are required.
- VKM models must be connected as the slave indoor unit of a standard VRV indoor unit and share the same BRC1H* remote controller and BS-Q box (If connected to Heat Recovery).

CO₂ sensors for VAM-J range minimise running costs, delivering only the ventilation amounts required to maintain your indoor air quality