



## VAM-J

Fully ErP compliant Heat Recovery Ventilation systems for recovering waste energy from internal spaces to reduce the load on air conditioning and heating systems.



VAM-J

The VAM-J series heat recovery ventilation systems are very high efficiency heat recovery ventilation systems designed to deliver fresh air into occupied spaces whilst reducing the load on the heating and cooling systems by up to 73%.

Suitable for most commercial applications with fresh air requirements up to 2000m<sup>3</sup>/h, the VAM-J series is fully compliant with the 2018 ErP lot 6 legislation and incorporates DC fan motors and a specially developed heat exchange element without the need for any condensate drainage.

A full range of optional accessories are available including CO<sub>2</sub> sensors to maintain indoor air quality whilst decreasing energy consumption and a range of filters from M6 (medium) to F7 (fine) can be used to allow flexibility of design. Heater batteries are also available which aid the heat exchange efficiency at low ambient conditions. Weatherproof enclosures can also be purchased for when there is a need to install the VAM units outside.

For applications with high humidity or where odours might be present, please see our Modular Light series which use aluminium heat exchangers for high efficiency sensible energy recovery. For smaller projects with airflows from 150 to 250m<sup>3</sup>/h see our VAM FC range.

### Features:

- > Energy saving ventilation using indoor heating, cooling and moisture recovery
- > Ideal solution for shops, restaurants or offices requiring maximum floor space for furniture, decorations and fittings
- > Free cooling possible when outdoor temperature is below indoor temperature (e.g. during night time)
- > Reduced energy consumption thanks to specially developed DC fan motor
- > Prevent energy losses from over-ventilation while improving indoor air quality with optional CO<sub>2</sub> sensor
- > Can be used as standalone or integrated in the Sky Air or VRV system
- > Optional medium and fine dust filters M6, F7, F8 to meet customer request or legislation
- > Shorter installation time thanks to easy adjustment of nominal air flow rate through the remote controller, so less need for dampers compared with traditional installation
- > No drain piping needed
- > Positive and negative pressure settings are available

## VAM-J Heat Recovery Ventilation

			VAM150FC	VAM250FC	VAM350J	VAM500J	VAM650J	VAM800J	VAM1000J	VAM1500J	VAM2000J
Dimensions	Height	mm	285		301		368			731	
	Width	mm	776		1120		1350				
	Depth	mm	525		868		917		1170		
Weight		kg	24		39	39	58	70	70	145	145
Duct Connection Diameter		mm	100	150	200	200	250	250	250	2 x 250	2 x 250
Air Flow Rate	Ultra-High	m <sup>3</sup> /hr	150	250	350	500	650	800	1000	1500	2000
	High	m <sup>3</sup> /hr	140	230	300	425	550	680	850	1275	1700
	Low	m <sup>3</sup> /hr	105	155	200	275	350	440	550	825	1100
	Ultra-High	m <sup>3</sup> /sec	0.042	0.069	0.10	0.14	0.18	0.22	0.28	0.42	0.56
	High	m <sup>3</sup> /sec	0.039	0.064	0.08	0.12	0.15	0.19	0.24	0.35	0.47
	Low	m <sup>3</sup> /sec	0.029	0.043	0.06	0.08	0.10	0.12	0.15	0.23	0.31
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	6	6	6	6	6	6	6	2 x 6*	2 x 6*

\* For full details of specifications relating to EN308 please see the technical data book. \* 2 power supplies required as 2 units bolted together.

Optional Accessory Compatibility	VAM150FA	VAM250FA	VAM350J	VAM500J	VAM650J	VAM800J	VAM1000J	VAM1500J	VAM2000J
Inlet Heater Battery+	VH1B	VH2B	VH3B		VH4B or VH4/AB			VH5B	

+= Heater battery does NOT require PCB adaptor to connect to VAM

\* available in Medium M6, Fine F7 and Fine F8. Only one filter is required to cover the whole of one side of the heat exchanger, even if the heat exchanger has two sections.

Optional Inlet Heater Battery	VH1B	VH2B	VH3B	VH4B	VH4/AB	VH5B
Capacity	kW	1	1	1	1.5	2.5
Duct Diameter	mm	100	150	200	250	350

Accessory Ref	Description
BRC1E53A	Premium wired remote controller with full text menu, Energy features and 7 Day Time Clock
BRC1H51W	New - wired touch screen remote controller - White
BRC1H51S	New - wired touch screen remote controller - Silver
BRC1H51K	New - wired touch screen remote controller - Black
KRP2A52 and UK.FB2	System adaptor PCB for remote on/off, status indication and temperature setting
RTD-Net and UK.FB2	Modbus Interface PCB for Sky Air and VRV
RTD-20 and UK.FB2	Energy control PCB for Sky Air and VRV
BRP4A50	PCB Adaptor for VAM-A series connection to 3rd party heater
KRP50-2	PCB Adaptor for VAM-A series connection to humidifier
BRP4A50A	PCB Adaptor for VAM-B Series connection to 3rd party heater or humidifier
EKAFVJ50F6	Air filter for VAM350 / 500 J : Medium M6
EKAFVJ50F7	Air filter for VAM350 / 500 J : Fine F7
EKAFVJ50F8	Air filter for VAM350 / 500 J : Fine F8
EKAFVJ65F6	Air filter for VAM650 / 800 J : Medium M6
EKAFVJ65F7	Air filter for VAM650 / 800 J : Fine F8
EKAFVJ65F8	Air filter for VAM650 / 800 J : Fine F7
EKAFVJ100F6	Air filter for VAM1000 / 2000 J : Medium M6
EKAFVJ100F7	Air filter for VAM1000 / 2000 J : Fine F7
EKAFVJ100F8	Air filter for VAM1000 / 2000 J : Fine F8
BRYMA65	CO <sub>2</sub> Sensor for VAM350 / 500 / 650
BRYMA100	CO <sub>2</sub> Sensor for VAM800 / 1000
BRYMA200	CO <sub>2</sub> Sensor for VAM1500 / 2000
EKPLEN200	Plenum for VAM1500 & 2000 (4 required per VAM) 350mm duct

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