DAIKIN

PLHMT2008aprv

Heat Reclaim Ventilator with DX-Coil

New VKM series

for VRV system

Air quality improvement including BPO offices with VKM

Equipped with a heat reclaim ventilator and heat exchanger, the new VKM series minimizes room temperature fluctuations and maintains comfortable **indoor air quality (IAQ)** by adding fresh outdoor air having nearly the same temperature and humidity conditions as the indoor air. This energy-saving heat reclaim ventilator further reduces air conditioning load.

VKM 50 / 80 / 100 GCVE

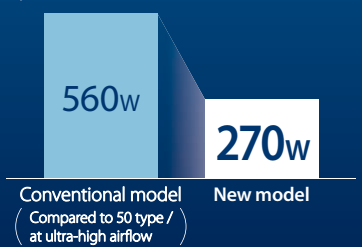
Supports both 50/60Hz power supply

60 Hz power supply
1-phase, 220V

50 Hz power supply
1-phase, 220–240V

Equipped with DC motor

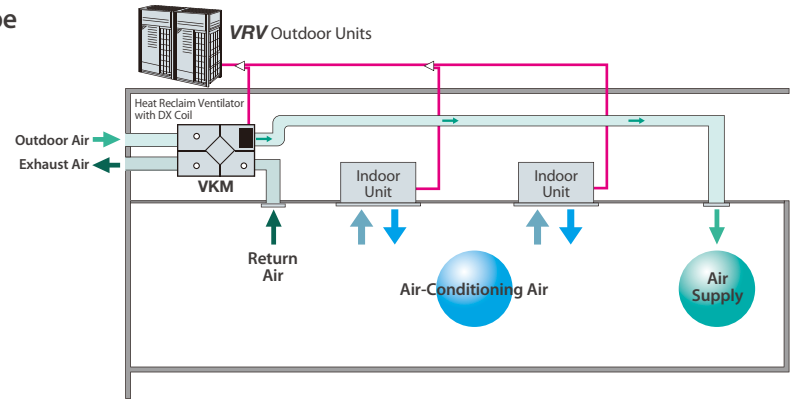
Power consumption reduced by about 51%



Approx. 29% increase in external static pressure

50 / 60 Hz R-410A

Air conditioning and outdoor air processing can be accomplished using a single system.



• Line up

MODEL	VKM50GCVE	VKM80GCVE	VKM100GCVE
Capacity Index	31.25	50	62.5

Connection Conditions

• When the VKM units are connected, the total connection capacity index must be 50% to 130% of the capacity index of the outdoor units.

Specifications

MODEL			VKM50GCVE	VKM80GCVE	VKM100GCVE
Refrigerant			R410A		
Power Supply (50/60Hz)			1-phase, 220–240 V / 1-phase, 220 V		
Airflow Rate & External Static Pressure (Ultra-high / High / Low) (Note 1)	Airflow	m^3/h	500/500/440	750/750/640	950/950/820
	Static pressure	Pa	210/170/140	220/180/125	170/120/90
Power Consumption (Ultra-high / High / Low)	Heat exchange mode	W	270/230/170	390/335/220	440/370/260
	Bypass mode	W	305/260/200	390/335/220	440/370/260
Fan Type			Sirocco Fan		
Motor Output		kW	0.21×2		
Sound Level (Note 2) (Ultra-high / High / Low)	Heat exchange mode	dB	43/40.5/39	41.5/39/37	41/39/36.5
	Bypass mode	dB	43/41/39	41.5/39/37	41/39/36.5
Temp. Exchange Efficiency (Ultra-high / High / Low)		%	76/76/77.5	78/78/79	74/74/76.5
Enthalpy Exchange Efficiency (Ultra-high / High / Low)	Cooling	%	64/64/67	66/66/68	62/62/66
	Heating	%	67/67/69	71/71/73	65/65/69
Heat Exchanging System			Air to Air Cross Flow Total Heat (Sensible + Latent Heat) Exchange		
Heat Exchanger Element			Specially Processed Non flammable Paper		
Air Filter			Multidirectional Fibrous Fleeces		
DX-coil Capacity (Cooling / Heating) (Note 3) (Note 4)		kW	2.8 / 3.2	4.5 / 5.0	5.6 / 6.3
Dimensions (Height×Width×Depth)		mm	387 × 1,764 × 832	387 × 1,764 × 1,214	
Machine Weight		kg	92	113	115
Unit Ambient Condition	Around Unit		0℃–40℃DB, 80%RH or less		
	OA (Note 5)		-15℃–40℃DB, 80%RH or less		
	RA (Note 5)		0℃–40℃DB, 80%RH or less		

Note : 1. Airflow rate can be changed over to Low mode or High mode. **2.** The operating sound measured at the point 1.5 m below the centre of the unit is converted to that measured in an anechoic chamber built in accordance with the JIS C 1502 conditions. The actual operating sound varies depending on the surrounding conditions (near running unit's sound, reflected sound and so on) and is normally higher than this value. For operation in a quiet room, it is required to take measures to lower the sound. For details, refer to the Engineering Data. **3.** Indoor temperature: 27℃DB, 19℃WB, Outdoor temperature: 35℃DB. **4.** Indoor temperature: 20℃DB, Outdoor temperature: 7℃DB, 6℃WB. **5.** OA: fresh air from outdoor. RA: return air from room.

Options

Item / Type				VKM50GCVE	VKM80GCVE	VKM100GCVE
Controlling device	Remote controller *1			BRC1H61W / BRC1H61K / BRC1E63		
	PC Board Adaptor	Wiring adaptor for electrical appendices		KRP2A61		
		For heater control kit		BRP4A50		
Additional function	Silencer			—	KDDM24B100	
		Nominal pipe diameter	mm	—	ϕ250	
	Air suction / Discharge grille	White		K-DGL200B	K-DGL250B	
		Nominal pipe diameter	mm	ϕ200	ϕ250	
	High efficiency filter			KAF242J80M	KAF242J100M	
	Air filter for replacement			KAF241G80M	KAF241G100M	
Flexible duct			1 m	K-FDS201D	K-FDS251D	
			2 m	K-FDS202D	K-FDS252D	
CO_2 Sensor				BRYC24B50M	BRYC24B100M	

*1 Necessary when operating a Heat Reclaim Ventilator (VKM) independently. When operating interlocked with other air conditioners, use the remote controllers of the air conditioners.
・Please inquire concerning optional accessories not listed above.

VRV is a trademark of Daikin Industries, Ltd.
VRV Air Conditioning System is the world's first individual air conditioning system with variable refrigerant flow control and was commercialised by Daikin in 1982.
VRV is the trademark of Daikin Industries, Ltd., which is derived from the technology we call "variable refrigerant volume."

• Specifications, designs and other content appearing in this brochure are current as of May 2020 but subject to change without notice.