



VKM80-100GB(M)

Specifications

VENTILATION				HEAT RECLAIM VENTILATION, AIR PROCESSING AND HUMIDICATION			HEAT RECLAIM VENTILATION AND AIR PROCESSING			
				VKM50GBM	VKM80GBM	VKM100GBM	VKM50GB	VKM80GB	VKM100GB	
Power input - 50Hz	Heat exchange mode	Nom.	Ultra high	kW	0.270	0.330	0.410	0.270	0.330	0.410
	Bypass mode	Nom.	Ultra high	kW	0.270	0.330	0.410	0.270	0.330	0.410
Fresh air conditioning load	Cooling			kW	4.71 / 1.91 / 3.5	7.46 / 2.96 / 5.6	9.12 / 3.52 / 7.0	4.71 / 1.91 / 3.5	7.46 / 2.96 / 5.6	9.12 / 3.52 / 7.0
	Heating			kW	5.58 / 2.38 / 3.5	8.79 / 3.79 / 5.6	10.69 / 4.39 / 7.0	5.58 / 2.38 / 3.5	8.79 / 3.79 / 5.6	10.69 / 4.39 / 7.0
Temperature exchange efficiency - 50Hz	Ultra high/High/Low			%	76/76/77.5	78/78/79	74/74/76.5	76/76/77.5	78/78/79	74/74/76.5
Enthalpy exchange efficiency - 50Hz	Cooling	Ultra high/High/Low		%	64/64/67	66/66/68	62/62/66	64/64/67	66/66/68	62/62/66
	Heating	Ultra high/High/Low		%	67/67/69	71/71/73	65/65/69	67/67/69	71/71/73	65/65/69
Operation mode	Heat exchange mode / Bypass mode / Fresh-up mode									
Heat exchange system	Air to air cross flow total heat (sensible + latent heat) exchange									
Heat exchange element	Specially processed non-flammable paper									
Humidifier	System			Natural evaporating type						
Casing	Material			Galvanised steel plate						
Dimensions	Unit	HeightxWidthxDepth		mm	387x1,764x832	387x1,764x1,214		387x1,764x832	387x1,764x1,214	
Weight	Unit			kg	100	119	123	94	110	112
Fan-Air flow rate - 50Hz	Heat exchange mode	Ultra high		m ³ /h	500	750	950	500	750	950
	Bypass mode	Ultra high		m ³ /h	500	750	950	500	750	950
Fan-External static pressure - 50Hz	Ultra high			Pa	200	205	110	210		150
Sound pressure level - 50Hz	Heat exchange mode	Ultra high		dBA	38	40		39	41.5	41
	Bypass mode	Ultra high		dBA	39	41		40	41.5	41
Operation range	Around unit			°CDB	0°C~40°CDB, 80% RH or less					
	Supply air			°CDB	-15°C~40°CDB, 80% RH or less					
	Return air			°CDB	0°C~40°CDB, 80% RH or less					
	On coil temperature	Cooling	Max.		°CDB	-15				
Heating		Min.		°CDB	43					
Refrigerant	Type			R-410A						
Connection duct diameter				mm	200	250		200	250	
Piping connections	Liquid	OD		mm	6.35					
	Gas	OD		mm	12.7					
	Water supply				mm	6.4		-		
Air filter	Drain			PT3/4 external thread						
	Type			Multidirectional fibrous fleeces						
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240					
Current	Maximum fuse amps (MFA)			A	15					