



➔ new

HRV

Heat Recovery Ventilation



- Heat purge (economiser): heat accumulated indoors is discharged at night
- Integration of humidification and air conditioning into HRV unit
- Increased static pressure thanks to improved fan performance
- Individual control via HRV remote control
- Connectable to current Daikin control systems:

DS-net

Intelligent Controller

Intelligent Manager

BACnet Gateway

MS-IF

VKM-GM

HRV WITH DX COIL & HUMIDIFIER

| | | | VKM50GMV1 | VKM80GMV1 | VKM100GMV1 |
|--|--------------------------------|-------------------|-----------------|---------------------|-----------------|
| Fresh air conditioning load | Cooling | kW | 4.71 | 7.46 | 9.12 |
| | Heating | kW | 5.58 | 8.79 | 10.69 |
| Air flow rate | Ultra high - high - low | m ³ /h | 500 - 500 - 440 | 750 - 750 - 640 | 950 - 950 - 820 |
| Sound pressure level - 220V | Ultra high - high - low | dB(A) | 37 - 35 - 32 | 38.5 - 36 - 33 | 39 - 37 - 34 |
| Sound pressure level - 240V | Ultra high - high - low | dB(A) | 38 - 36 - 34 | 40 - 37.5 - 35.5 | 40 - 38 - 35.5 |
| Static pressure | Ultra high - high - low | Pa | 160 - 120 - 100 | 140 - 90 - 70 | 110 - 70 - 60 |
| Temperature exchange efficiency | Ultra high - high - low | % | 76 - 76 - 77.5 | 78 - 78 - 79 | 74 - 74 - 76.5 |
| Enthalpy exchange efficiency - cooling | Ultra high - high - low | % | 64 - 64 - 67 | 66 - 66 - 68 | 62 - 62 - 66 |
| Enthalpy exchange efficiency - heating | Ultra high - high - low | % | 67 - 67 - 69 | 71 - 71 - 73 | 65 - 65 - 69 |
| Humidifier type | natural evaporating humidifier | | | | |
| Humidification capacity | | kg/h | 2.70 | 4.00 | 5.40 |
| Dimensions | Height | mm | 387 | 387 | 387 |
| | Width | mm | 1,764 | 1,764 | 1,764 |
| | Depth | mm | 832 | 1,214 | 1,214 |
| Weight | | kg | 102 | 120 | 125 |
| Power supply | | V | | 1 ~, 220-240V, 50Hz | |

VKM-G

HRV WITH DX COIL

| | | | VKM50GV1 | VKM80GV1 | VKM100GV1 |
|--|-------------------------|-------------------|-----------------|---------------------|-----------------|
| Fresh air conditioning load | Cooling | kW | 4.71 | 7.46 | 9.12 |
| | Heating | kW | 5.58 | 8.79 | 10.69 |
| Air flow rate | Ultra high - high - low | m ³ /h | 500 - 500 - 440 | 750 - 750 - 640 | 950 - 950 - 820 |
| Sound pressure level - 220V | Ultra high - high - low | dB(A) | 38 - 36 - 33.5 | 40 - 37.5 - 34.5 | 40 - 38 - 35 |
| Sound pressure level - 240V | Ultra high - high - low | dB(A) | 39 - 37 - 35.5 | 41.5 - 39 - 37 | 41 - 39 - 36.5 |
| Static pressure | Ultra high - high - low | Pa | 180 - 150 - 110 | 170 - 120 - 80 | 150 - 100 - 70 |
| Temperature exchange efficiency | Ultra high - high - low | % | 76 - 76 - 77.5 | 78 - 78 - 79 | 74 - 74 - 76.5 |
| Enthalpy exchange efficiency - cooling | Ultra high - high - low | % | 64 - 64 - 67 | 66 - 66 - 68 | 62 - 62 - 66 |
| Enthalpy exchange efficiency - heating | Ultra high - high - low | % | 67 - 67 - 69 | 71 - 71 - 73 | 65 - 65 - 69 |
| Dimensions | Height | mm | 387 | 387 | 387 |
| | Width | mm | 1,764 | 1,764 | 1,764 |
| | Depth | mm | 832 | 1,214 | 1,214 |
| Weight | | kg | 96 | 109 | 114 |
| Power supply | | V | | 1 ~, 220-240V, 50Hz | |