

VRV4

Heat pump

Indoor unit combination restrictions

(1/2)

Indoor unit combination pattern	·VRV* DX· indoor unit	·RA DX· indoor unit	Hydrobox unit	Air handling unit (AHU) ⁽²⁾
·VRV* DX· indoor unit	O	O	O	O
·RA DX· indoor unit	O	O	X	X
Hydrobox unit	O	X	O ₁	X
Air handling unit ^{(3) (4)}	O	X	X	O ₂

O: Allowed
X: Not allowed

Notes

- VRV* DX· indoor unit
 - When combining ·VRV DX· indoor units with other types of indoor units, respect the following combination patterns:
Example
Allowed : {·VRV DX· indoor unit + ·Hydrobox· unit} **or** {·VRV DX· indoor unit + ·RA DX· indoor unit} **or** {·VRV DX· indoor unit + ·AHU·}
Not allowed : {·VRV DX· indoor unit + {·RA DX· indoor unit & {·Hydrobox· unit or ·AHU·}}} **or** {·VRV DX· indoor unit + {·Hydrobox· unit & {·RA DX· indoor unit or ·AHU·}}}
 - O₁
 - Only connect ·Hydrobox· units to a ·VRV IV· Heat Pump in combination with a ·VRV DX· indoor unit.
→ Refer to the connection ratio restrictions {3D079540 & 3D117169}.
 - Connection with only Hydrobox units: refer to the Daikin Altherma solutions.
 - Only connect ·Hydrobox· units of the ·HXY*· series.
→ ·HXHD*· series ·Hydrobox· units are not allowed.
 - O₂
 - Combination of AHU only + control box ·EKEQFA· or ·EKEACBVE· (maximum ·54· HP for ·400 + 2x500 EKE XV· class or ·450 + 2 x500 EKE XVA· class kit; maximum ·42· HP for ·140 + 2 x500 EKE XV· or ·EKE XVA· class kit for cold region VRV)
The combination with ·VRV DX· indoor units is not allowed.
→ ·X·-control is possible [{·EKE XV + EKEQFA*}/{·EKE AXVA + EKEACBVE·} boxes]. No Variable Refrigerant Temperature control possible.
→ ·Y·-control is possible [{·EKE XV + EKEQFA*}/{·EKE AXVA + EKEACBVE·} boxes]. No Variable Refrigerant Temperature control possible.
→ ·W·-control is possible [{·EKE XV + EKEQFA*}/{·EKE AXVA + EKEACBVE·} boxes]. No Variable Refrigerant Temperature control possible.
→ ·Z,Z'·-control is possible [·EKE XVA + EKEACBVE· boxes].
 - Combination of ·AHU· only + control box ·EKEQMA· (not combined with ·VRV DX· indoor units)
→ ·Z·-control is possible [·EKE XV + EKEQMA*· boxes].
 - Combination of ·AHU· and ·VRV DX· indoor units
 - ·Z·-control is possible [·EKEQMA*· boxes].
 - ·Z,Z'·-control is possible [·EKEACBVE· boxes].
 - The combination of ·AHU· with ·Hydrobox· units or ·RA DX· indoor units is not allowed.
 - (3) The following units are considered AHUs:
 - {·EKE XV + EKEQ(MA/FA)} / {·EKE XVA + EKEACBVE·} + AHU· coil
 - ·Biddle· air curtain
 - ·FXMQ_MF· units
- Information
- VKM· units are considered to be regular ·VRV DX· indoor units.