

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) ⁽³⁾
·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 (AHU) ⁽³⁾	O	X	X	O ₂

O: Allowed
 X: Not allowed

Notes

1. ·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·}} }

2. 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}.
 - Connection with only Hydrobox units: refer to the Daikin Altherma solutions.
- Only connect ·Hydrobox· units of the ·HXV*· series.
 - ·HXHD*· series ·Hydrobox· units are not allowed.

3. O₂

- *Combination of ·AHU· only + control box ·EKEQFA· (the combination with ·VRV DX· indoor units is not allowed; maximum ·54·HP for ·400 + 2x500· class ·EKEXV· kit)*
 - ·X·-control is possible (up to ·3x· {·EKEXV+EKEQFA*· boxes} can be connected to one outdoor unit (system)). No Variable Refrigerant Temperature control possible.
 - ·Y·-control is possible (up to ·3x· {·EKEXV+EKEQFA*· boxes} can be connected to one outdoor unit (system)). No Variable Refrigerant Temperature control possible.
 - ·W·-control is possible (up to ·3x· {·EKEXV+EKEQFA*· boxes} can be connected to one outdoor unit (system)). No Variable Refrigerant Temperature control possible.
- *Combination of ·AHU· only + control box ·EKEQMA· (not combined with ·VRV DX· indoor units)*
 - Z-control is possible (the allowed number of {·EKEXV + EKEQMA· boxes} is determined by the connection ratio {·90-110%·} and the capacity of the outdoor unit.

4. Combination of ·AHU· and ·VRV DX· indoor units

→ Z-control is possible {·EKEQMA*· boxes are allowed, but with a limited connection ratio}.

5. The combination of ·AHU· with ·Hydrobox· units or ·RA DX· indoor units is not allowed.

6. ⁽³⁾ The following units are considered AHUs:

- ·EKEXV + EKEQ(MA/FA) + AHU· coil
- ·Biddle· air curtain
- ·FXMQ_MF· units

Information

- ·VKM· units are considered to be regular ·VRV DX· indoor units.