

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 ⁽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 & 3D117169).

→ Connection with only Hydrobox units: refer to the Daikin Altherma solutions.

- Only connect Hydrobox of the HXY* 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 54HP for 400 + 2x500 class EKEVX kit)*

→ X-control is possible (up to 3x [EKEVX+EKEQFA* boxes] can be connected to one outdoor unit (system)). No Variable Refrigerant Temperature control possible.

→ Y-control is possible (up to 3x [EKEVX+EKEQFA* boxes] can be connected to one outdoor unit (system)). No Variable Refrigerant Temperature control possible.

→ W-control is possible (up to 3x [EKEVX+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 [EKEVX + 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:

→ EKEVX + EKEQ(MA/FA) + AHU coil

→ Biddle air curtain

→ FXMQ_MF units

Information

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