

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) (4)}	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· units of the ·HXV*· series.

→ ·HXHD*· series ·Hydrobox· units are not allowed.

3. O₂

- Combination of AHU only + control box ·EKEQFA· or ·EKEACBVE· (maximum ·54· HP for ·400 + 2x500 EKEV· class or ·450 + 2 x500 EKEVA· class kit; maximum ·42· HP for ·140 + 2 x500 EKEV· or ·EKEVA· class kit for cold region VRV)

The combination with ·VRV DX· indoor units is not allowed.

→ ·X·-control is possible [·(EKEV + EKEQFA*)/(EKEAXVA + EKEACBVE)· boxes]. No Variable Refrigerant Temperature control possible.

→ ·Y·-control is possible [·(EKEV + EKEQFA*)/(EKEAXVA + EKEACBVE)· boxes]. No Variable Refrigerant Temperature control possible.

→ ·W·-control is possible [·(EKEV + EKEQFA*)/(EKEAXVA + EKEACBVE)· boxes]. No Variable Refrigerant Temperature control possible.

→ ·Z,Z'·-control is possible [·EKEVA + EKEACBVE· boxes].

- Combination of ·AHU· only + control box ·EKEQMA· (not combined with ·VRV DX· indoor units)

→ ·Z·-control is possible [·EKEV + EKEQMA*· boxes].

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

→ ·Z·-control is possible [·EKEQMA*· boxes].

→ ·Z,Z'·-control is possible [·EKEACBVE· boxes].

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

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

→ {·EKEV + EKEQ(MA/FA)} / {EKEVA + EKEACBVE} + AHU· coil

→ ·Biddle· air curtain

→ ·FXMQ_MF· units

Information

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