

RXYS-AV1

RXYS-AY1 VRV5-S

Heat pump

Piping restrictions -3/3-

System pattern	Total		Allowed capacity	
	Capacity	Maximum allowed amount of connectable indoor units (-VRV, AHU-)	VRV DX indoor unit	Air handling unit (AHU)
Allowed connection ratio (CR)				
-VRV R32 DX- indoor units only	50 ~ 130%	64	50 ~ 130%	-
-VRV R32 DX- indoor unit + -AHU(EKEXVA +EKEACBVE)- (1)	50 ~ 110% ⁽³⁾	64 ⁽⁴⁾	50 ~ 110%	0 ~ 60% ⁽³⁾
Mix				
AHU only (-EKEXVA + EKEACBVE-) (1)	65/75 ⁽²⁾ ~ 110% ⁽³⁾	64 ⁽⁴⁾⁽⁵⁾	-	65/75 ⁽²⁾ ~ 110% ⁽³⁾
Pair + multi				

(1) Pair AHU = system with 1 air handling unit connected to one outdoor unit system

Multi AHU = system with multiple air handling units connected to one outdoor unit system

Mixed AHU = mix of AHU units and -VRV DX- indoor units connected to one outdoor system

(2) -75% ~ 110%: default situation

-65% ~ 75%: Allowed if stricter AHU volume limitations are valid.

Refer to the databook of -EKEACBVE- for details.

(3) Restrictions regarding the air handling unit capacity

(4) -EKEXVA - kits are also considered indoor units.

(5) Number of AHUs that can be connected in case of pair or multi layout depends on the control types:

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

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

→ -W--control is possible (up to -3- [-EKEXVA + EKEACBVE- boxes] can be connected to one outdoor unit (system)). No Variable Refrigerant Temperature control possible.

→ -Z,Z'-control is possible (the allowed number of [-EKEXVA + EKEACBVE - boxes] is determined by the connection ratio and the capacity of the outdoor unit.

About ventilation applications

I. -Biddle- air curtains are considered air handling units, following air handling unit limitations:

For information on the operation range, refer to the documentation of the -Biddle- unit.

II. -EKEXVA +EKEA- units combined with an air handling unit are considered air handling units, following air handling unit limitations.

For information on the operation range, refer to the documentation of the -EKEXVA- EKEACBVE- unit.

III. Because there is no refrigerant connection with the outdoor unit (only communication F1/F2), -VAM- units do not have connection limitations.

However, since there is communication via F1/F2, count them as regular indoor unit when calculating the maximum allowed number of connectable indoor units.