ERA-AV9
ERA-AY9
ERA-AYF

Inverter outdoor unit for AHU option kit and air curtains

Indoor unit combination restrictions

		Control box	Expansion valve kit							
		EKEACBVE	EKEXVA63	EKEXVA80	EKEXVA100	EKEXVA125	EKEXVA140	EKEXVA200	EKEXVA250	EKEXVA300
1 ph	ERA100A7V1B*	P	P(1)	P(2)	P(2)	-	-	-	-	-
	ERA125A7V1B*	P	-	-	P(2)	P(2)	-	-	-	-
	ERA140A7V1B*	P	-	-	P(1)	P(2)	P(2)	-	-	-
3ph	ERA100A7Y1B*	P	P(1)	P(2)	P(2)	-	-	-	-	-
	ERA125A7Y1B*	P	-	-	P(2)	P(2)	-	-	-	-
	ERA140A7Y1B*	P	-	-	P(1)	P(2)	P(2)	-	-	-
3ph	ERA200AMYFB	P	-	-	-	-	P(1)	P(2)	-	-
	ERA250AMYFB	P	-	-	-	-	-	P(2)	P(2)	-
	ERA300AMYFB	P	-	-	-	-	-	P(1)	P(2)	P(2)

P (single indoor unit pair application): allowed combination is determined by the volume of the AHU's heat exchanger (HEX) and its capacity.
For the allowed AHU heat exchanger (HEX) capacity and volume for different capacities of ·EKEXVA·, refer to the table below:

	Minimum heat exchanger volume [dm³]		Maximum heat exchanger volume [dm³]	Allowed heat exchanger capacity - COOLING [kW] Saturated evaporating temperature: ·6·°C Air temperature: ·27·°C DB / ·19·°C WB		Allowed heat exchanger capacity - HEATING [kW] Saturated condensing temperature: ·46·°C Air temperature: ·20·°C DB	
·EKEXVA· class	·P(1)· combination	·P(2)· combination		Minimum	Maximum	Minimum	Maximum
63	1,18	1,02	2,08	6,3	7,8	7,1	8,8
80	1,64	1,42	2,64	7,9	9,9	8,9	11,1
100	1,74	1,51	3,30	10,0	13.1	11,2	14.7
125	2,29	1,98	4,12	13.2	15,4	14.8	17,3
140	2,94	2,54	4,62	15,5	21,0	17,4	23.6
200	3,49	3,02	6,60	21.1	24,6	23.7	27,7
250	4,58	3,97	8,25	24,7	30,8	27,8	34,7
300	5,23	4,53	9,90	30,9	36.9	34,8	41.5

Notes

- Combination of ·AHU· only + control box ·EKEACBVE · (not combined with ·VRV DX· indoor units)
  - → ·X·-control is possible [·EKEAXVA + EKEACBVE· boxes]. No Variable Refrigerant Temperature control possible.
  - → ·Y·-control is possible [·EKEAXVA + EKEACBVE· boxes]. No Variable Refrigerant Temperature control possible.
  - → ·W·-control is possible [·EKEAXVA + EKEACBVE· boxes]. No Variable Refrigerant Temperature control possible.
  - → ·Z,Z'·-control is possible [·EKEXVA + EKEACBVE · boxes].

- The following units are considered AHUs:
  - → ·(EKEXVA +EKEACBVE) + AHU· coil
  - → Compatible air curtain