

Inverter outdoor unit for AHU option kit and air curtains

Indoor unit combination restrictions

		Control box	Expansion valve kit							
		EKEACBVE	EKEEXVA63	EKEEXVA80	EKEEXVA100	EKEEXVA125	EKEEXVA140	EKEEXVA200	EKEEXVA250	EKEEXVA300
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 'EKEEXVA', refer to the table below:

				Allowed heat exchanger capacity - COOLING [kW]		Allowed heat exchanger capacity - HEATING [kW]	
		Minimum heat exchanger volume [dm³]		Saturated evaporating temperature: -6 °C Air temperature: -27 °C DB / -19 °C WB		Saturated condensing temperature: -46 °C Air temperature: -20 °C DB	
-EKEEXVA- class			Maximum heat exchanger volume [dm³]				
	-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 [-EKEEXVA + EKEACBVE - boxes].
- The following units are considered AHUs:
 - [-EKEEXVA +EKEACBVE] + AHU- coil
 - Compatible air curtain