



technical data

VRV Air handling applications - Expansion kit
EKEXV

air conditioning systems

VRV III

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EKEXV

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1 Specifications

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1-1 TECHNICAL SPECIFICATIONS				EKEXV50	EKEXV63	EKEXV80	EKEXV100	EKEXV125	EKEXV140	EKEXV200	EKEXV250	
Casing	Colour			Ivory White								
	Material			Metal								
Dimensions	Unit	Height	mm	401	401	401	401	401	401	401	401	
		Width	mm	215	215	215	215	215	215	215	215	
		Depth	mm	78	78	78	78	78	78	78	78	
	Packing	Height	mm	457	457	457	457	457	457	457	457	
		Width	mm	270	270	270	270	270	270	270	270	
		Depth	mm	120	120	120	120	120	120	120	120	
Weight	Unit		kg	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	
	Packed Unit		kg	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	
Packing	Material			Carton								
	Weight		kg	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	
	Material			EPS								
	Weight		kg	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	
Operation Range	Cooling	Min	°CDB	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	
		Max	°CDB	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	
Sound Level (nominal)	Sound pressure		dBA	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	
Piping connections	Liquid (OD)	Type		Braze connection								
		Diameter (OD)		mm	6.35	9.52	9.52	9.52	9.52	9.52	9.52	9.52
	Piping Length	Minimum		m	see manual, depend on the outdoor unit							
		Maximum		m	see manual, depend on the outdoor unit							
		Equivalent		m	see manual, depend on the outdoor unit							
		Chargeless		m	see manual, depend on the outdoor unit							
	Installation height difference	Maximum		m	see manual, depend on the outdoor unit							
		Max. internunit level difference		m	see manual, depend on the outdoor unit							
Heat Insulation			Both inlet and outlet									
Notes				The sound pressure value is the maximum value measured at 10cm from the motor.								

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2 Capacity tables

2 - 1 Combination table

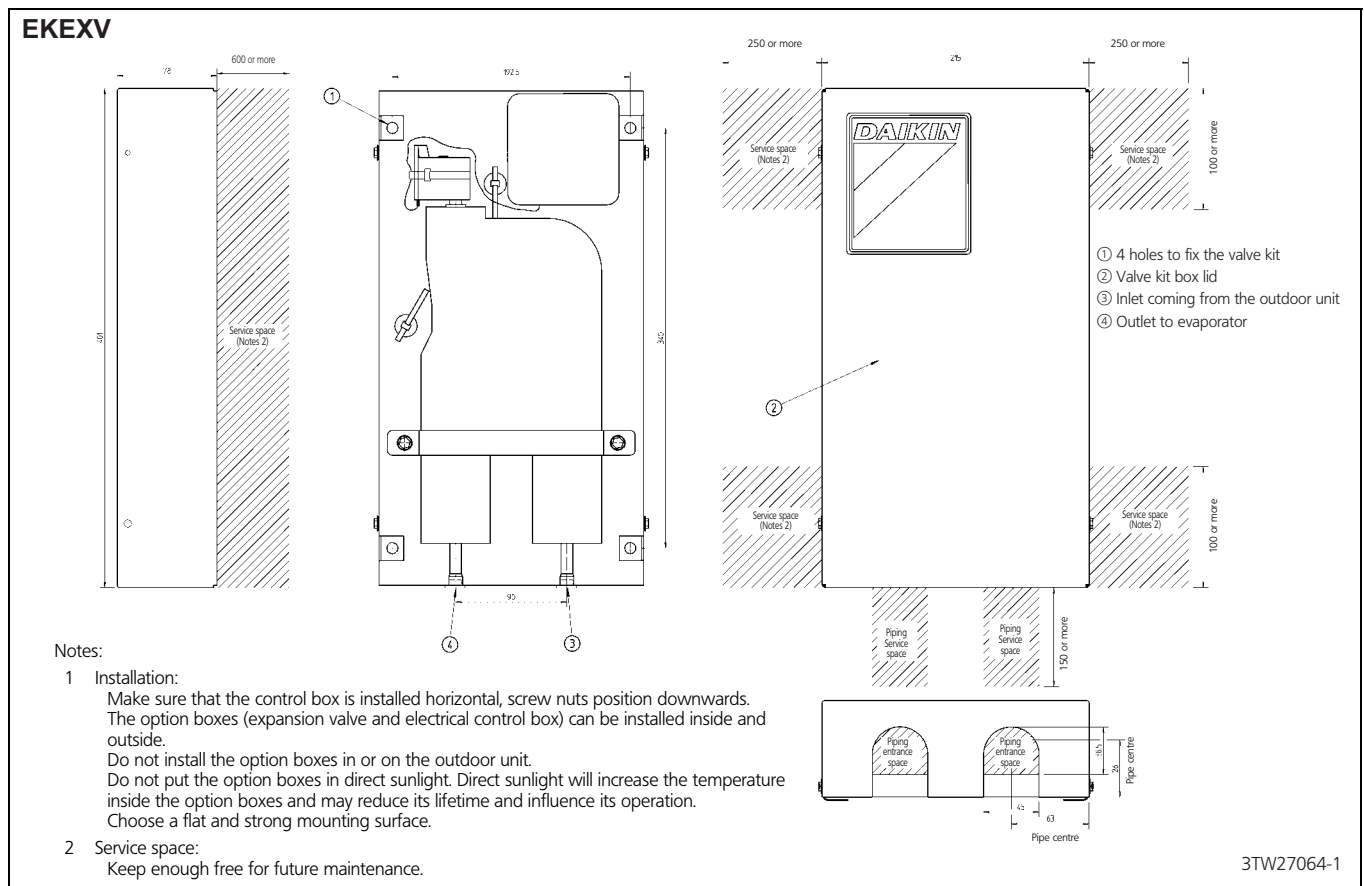
				Control box		Expansion valve kit						
				Control Z	Class 50	Class 63	Class 80	Class 100	Class 125	Class 140	Class 200	Class 250
outdoor unit				EKEXMCB	EKEXV50	EKEXV63	EKEXV80	EKEXV100	EKEXV125	EKEXV140	EKEXV200	EKEXV250
System B (C/O)	3 ph	5 hp	RXQ5P7W1B	n	n	n	n	n	n	n	n	n
		8 hp	RXQ8P7W1B	n	n	n	n	n	n	n	n	n
		10 hp	RXQ10P7W1B	n	n	n	n	n	n	n	n	n
		12 hp	RXQ12P7W1B	n	n	n	n	n	n	n	n	n
		14 hp	RXQ14P7W1A	n	n	n	n	n	n	n	n	n
		16 hp	RXQ16P7W1A	n	n	n	n	n	n	n	n	n
		18 hp	RXQ18P7W1A	n	n	n	n	n	n	n	n	n

n: Qty determined by connection ration or maximum number of indoors units (in combination with VRV-outdoor, the EKEXV-kit is considered as one of the indoor units)

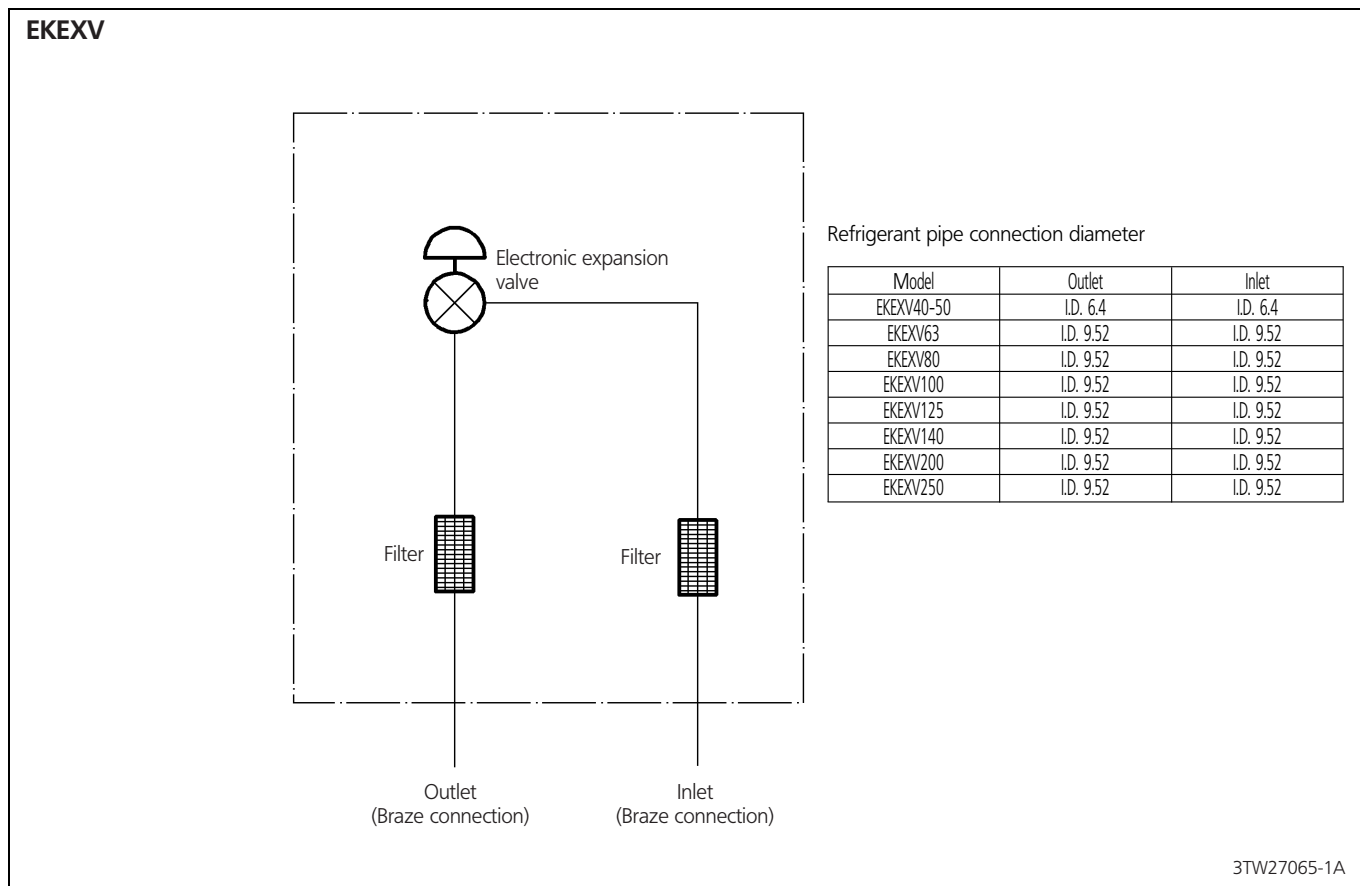
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3 Dimensional drawing & centre of gravity

3 - 1 Dimensional drawing



4 Piping diagram



5 Wiring diagram

5 - 1 External connection diagram

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