

1 Features

- The ERX system provides optimized air conditions such as fresh air and humidity control etc and can be used in small warehouses, showrooms and offices.
- Wide range of Daikin units offers maximum application potential plus flexible control options.
- Both options are designed for indoor and outdoor installation and can be wall mounted.
- Control box and expansion valve kit are required for each combination plus an air handling unit.



2 Specifications

2-1 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. interunit 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.							

3 Capacity tables

3 - 1 Combination table

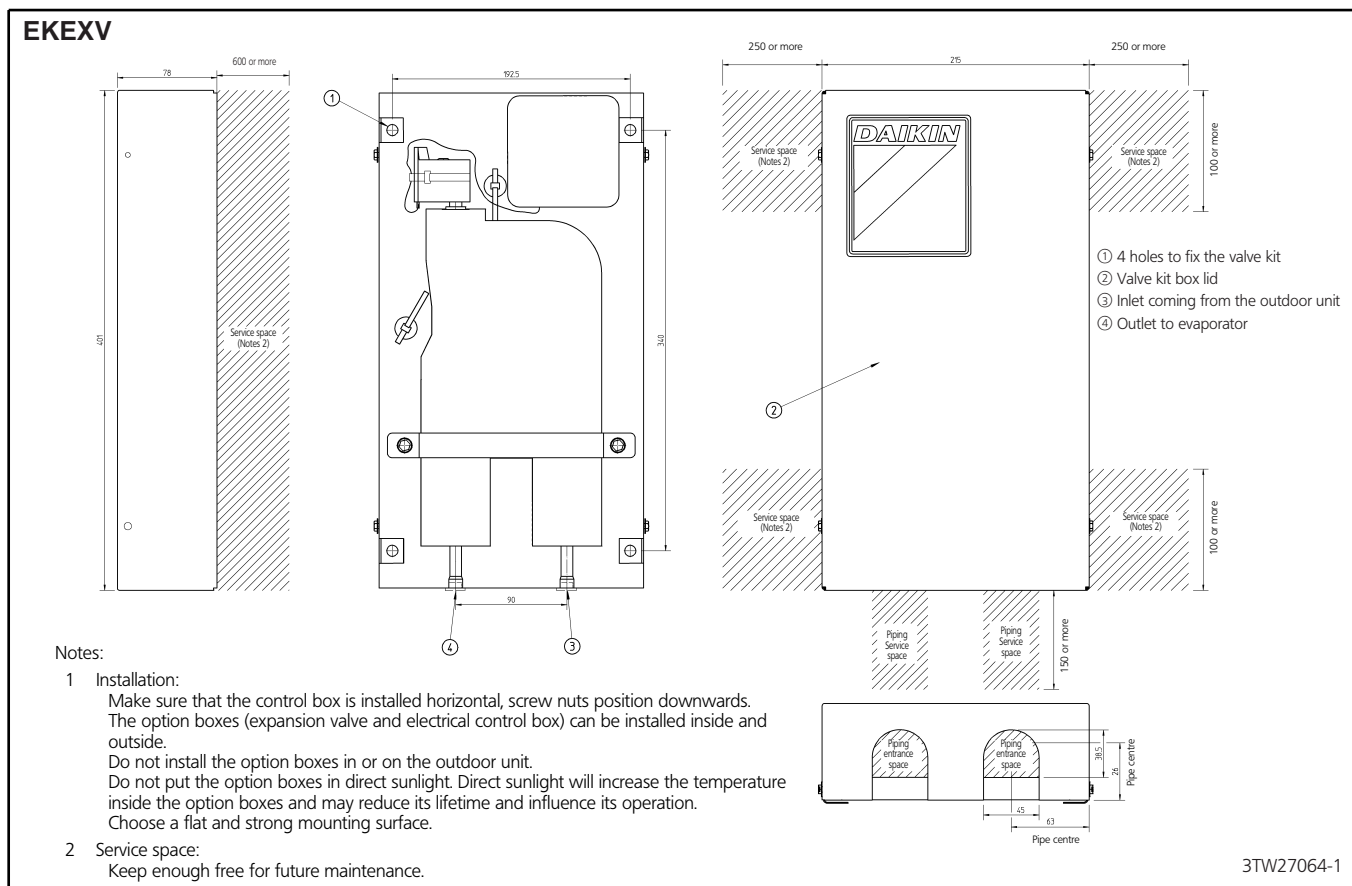
Class	Outdoor	Control box		Valve kit				
		EKEXDCBV3	EKEXFCBV3	EKEXV63	EKEXV80	EKEXV100	EKEXV125	EKEXV140
100	ERX100A7V3B	P	P	P	P	P	P	-
125	ERX125A7V3B	P	P	P	P	P	P	P
140	ERX140A7V3B	P	P	-	P	P	P	P

P: Pair: Combination depending on AHU coil volume (details see manual)

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3

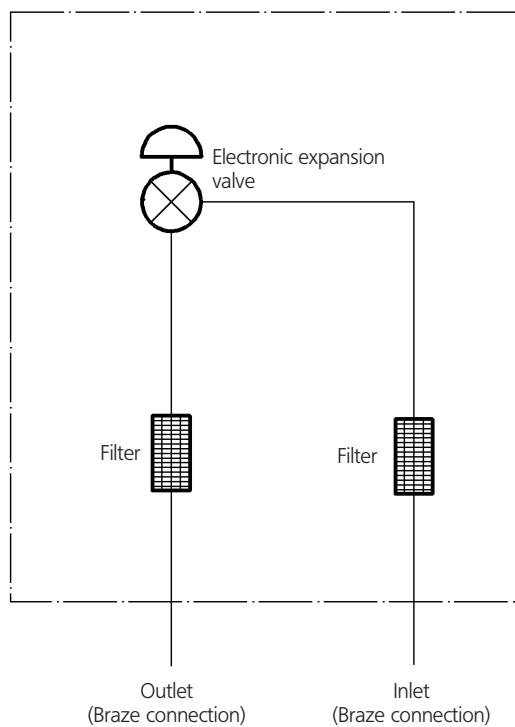
4 Dimensional drawing & centre of gravity

4 - 1 Dimensional drawing



5 Piping diagram

EKEXV



Refrigerant pipe connection diameter

Model	Outlet	Inlet
EKEXV40-50	I.D. 6.4	I.D. 6.4
EKEXV63	I.D. 9.52	I.D. 9.52
EKEXV80	I.D. 9.52	I.D. 9.52
EKEXV100	I.D. 9.52	I.D. 9.52
EKEXV125	I.D. 9.52	I.D. 9.52
EKEXV140	I.D. 9.52	I.D. 9.52
EKEXV200	I.D. 9.52	I.D. 9.52
EKEXV250	I.D. 9.52	I.D. 9.52

3TW27065-1A

6 Wiring diagram

6 - 1 Wiring diagram

