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※ Appendix

Combination & Line-up Table

1 Setting of the indoor unit capacity and EEV model selection (SEG 20 of the installation option 05 series)

Display	Rated Capacity (Btu/h)	Capacity Range (Btu/h)	Heat Exchanger Volume(in ³)	Assy EEV	Number of EEVs
0	12k	7k<capacity≤18k	28<volume≤71	V1EEVK01UC	1
1	12k	7k<capacity≤18k	28<volume≤71	V1EEVK01UC	1
2	24k	18k<capacity≤30k	71<volume≤118	V1EEVK02UC	1
3	36k	30k<capacity≤42k	118<volume≤165	V1EEVK03UC	1
4	48k	42k<capacity≤54k	165<volume≤212	V1EEVK03UC	1
5	60k	54k<capacity≤66k	212<volume≤260	V1EEVK04UC	1
6	72k	66k<capacity≤78k	260<volume≤307	V1EEVK04UC	1
7	96k	78k<capacity≤96k	307<volume≤378	V1EEVK04UC	1
8	144k	96k<capacity≤144k	378<volume≤566	V1EEVK05UC	1
9	192k	144k<capacity≤192k	566<volume≤755	V1EEVK05UC	1
A	240k	192k<capacity≤240k	755<volume≤944	V1EEVK05UC	2
B	288k	240k<capacity≤288k	944<volume≤1133	V1EEVK05UC	2
C	336k	288k<capacity≤336k	1133<volume≤1322	V1EEVK05UC	2
D	384k	336k<capacity≤384k	1322<volume≤1510	V1EEVK05UC	2
E	576k	384k<capacity≤576k	1510<volume≤2266	V1EEVK05UC	3
F	768k	576k<capacity≤768k	2266<volume≤3021	V1EEVK05UC	4

2 Outdoor unit combination

	Universal Comm. kit	
	HP	HR
VRF	○	○
Water-Cooled VRF	○	○
Mini-VRF	○	○

3 Part combination

	Part combination of the universal Comm. Kit										
	EEV	Thermister	Fan Motor	Fan check	Economizer	Damper	Current-output sensor (Enthalpy or Temperature)	Simple BMS	Heater	PT1000	Defrost
Mandatory (Product supplied)	○	○									
Mandatory (Field supplied)			○								
Optional (Field supplied)				○	○	○	○	○	○	○	○

1. Specification

V2UCK (Universal Communication Kit)

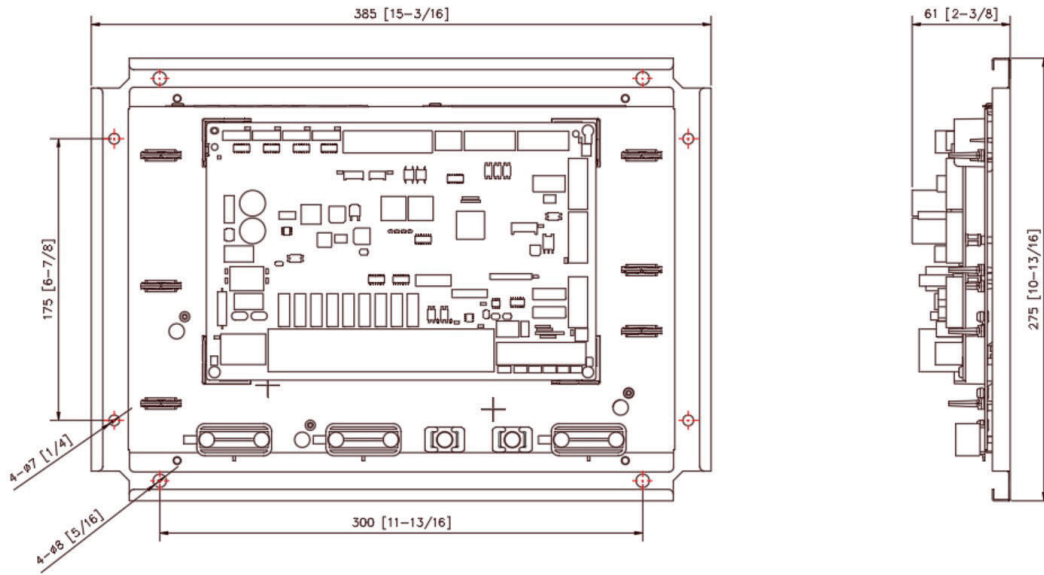
Type				Control Kit	EEV Kit	EEV Kit	EEV Kit	EEV Kit	EEV Kit	
Model Code				V2UCK01	V1EEVK01UC	V1EEVK02UC	V1EEVK03UC	V1EEVK04UC	V1EEVK05UC	
Power Supply	Voltage			V	24VAC	-	-	-	-	
Performance	Capacity	Cooling	Min	Btu/h	7,000	7,000	18,000	30,000	54,000	96,000
			Max	Btu/h	768,000	18,000	30,000	54,000	96,000	192,000
		Heating	Min	Btu/h	8,500	8,500	22,000	34,000	61,000	108,000
			Max	Btu/h	864,000	22,000	34,000	61,000	108,000	216,000
	EEV(EDM)	Φ	mm	-	2.4	3.2	4	6.4	8	
Refrigeration Ton			Ton	Max.64	1	2	4	8	16	
EEV in/out Connection	Inlet	Φ	in	-	3/8	3/8	3/8	1/2	5/8	
	Outlet	Φ	in	-	3/8	3/8	3/8	1/2	5/8	
External Dimension	Net Weight			kg	1.7	0.29	0.46	0.36	0.66	0.7
				lbs	3.75	0.64	1.01	0.79	1.46	1.54
	Shipping Weight			kg	3.54	0.48	0.64	0.56	0.85	0.9
				lbs	7.80	1.06	1.41	1.23	1.87	1.98
	Net Dimensions		W	mm	385	243	250	250	259	259
				in	15.2	9.6	9.8	9.8	10.2	10.2
			H	mm	275	70	70	70	117	117
				in	10.8	2.8	2.8	2.8	4.6	4.6
			D	mm	56	42	42	42	42	42
				in	2.2	1.7	1.7	1.7	1.7	1.7
	Shipping Dimensions		W	mm	399	276	276	276	276	276
				in	15.7	10.9	10.9	10.9	10.9	10.9
			H	mm	289	121	121	121	121	121
				in	11.4	4.8	4.8	4.8	4.8	4.8
			D	mm	138	69	69	69	69	69
in				5.4	2.7	2.7	2.7	2.7	2.7	
Design Recommendation	Vertical Air Handler Heat Exchanger Internal Volume	Min.	in3	28	28	71	118	212	378	
		Max.	in3	3021	71	118	212	378	755	
Connectable Outdoor				-	HP/HR	HP/HR	HP/HR	HP/HR	HP/HR	

2. Dimensional Drawings

Control Kit

V2UCK01

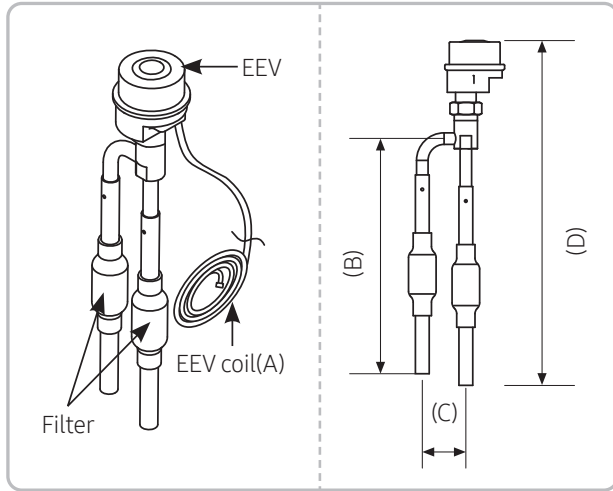
Unit: mm [inch]



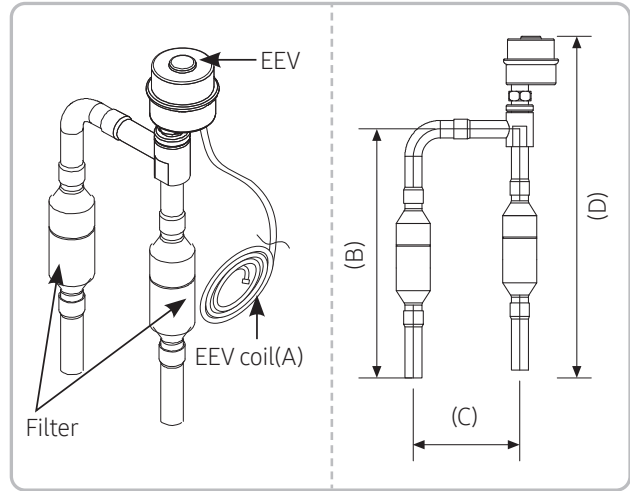
2. Dimensional Drawings

V1EEVK Kit

V1EEVK02UC
V1EEVK01UC



V1EEVK05UC
V1EEVK04UC
V1EEVK03UC

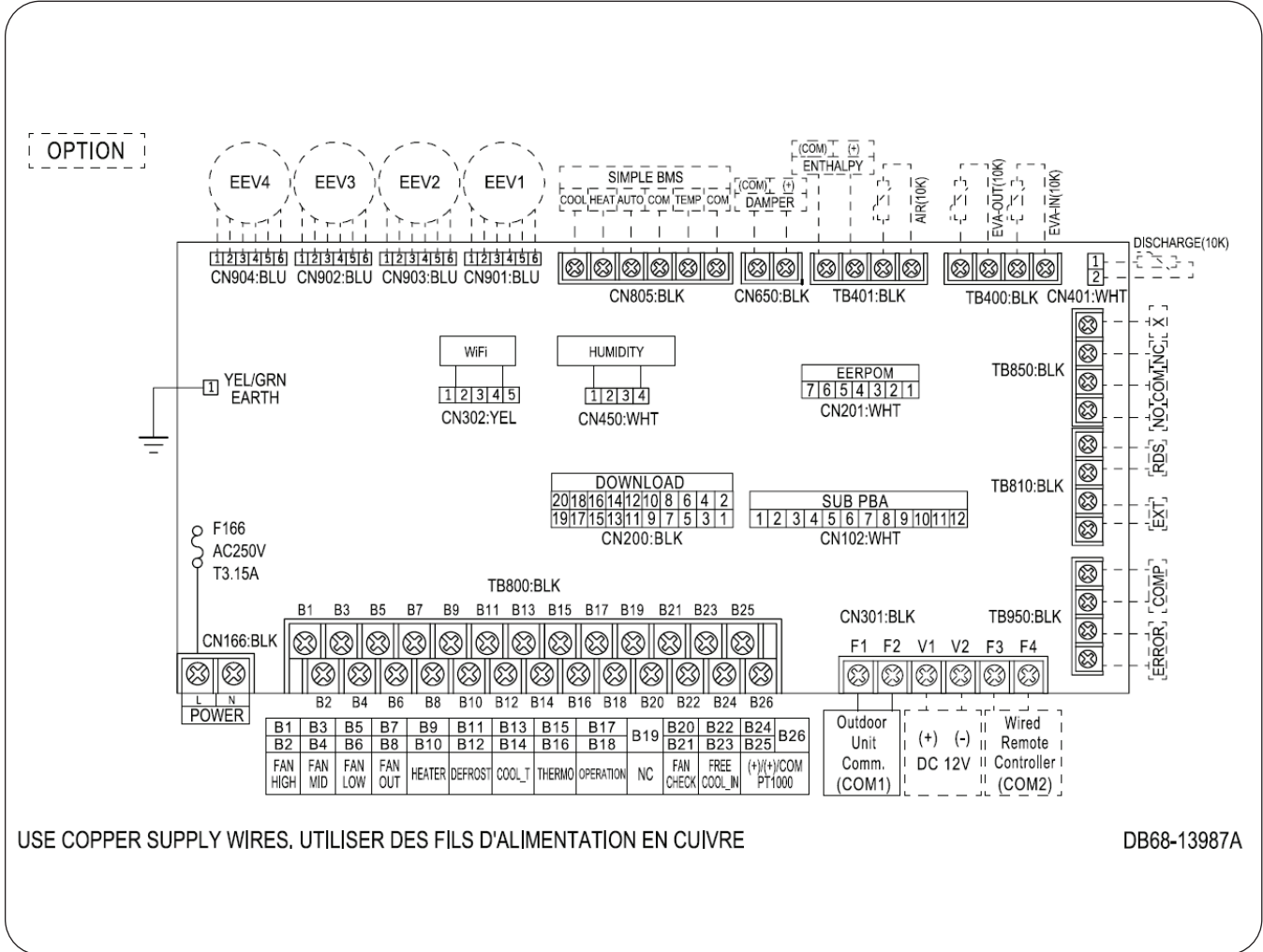


Model	A [ft(m)]	B [inch(mm)]	C [inch(mm)]	D [inch(mm)]
V1EEVK05UC	22.97 (7)	7.28 (185)	3.03 (77)	10.04 (255)
V1EEVK04UC	22.97 (7)	7.28 (185)	3.03 (77)	10.04 (255)
V1EEVK03UC	6.56 (2)	6.57 (167)	1.34 (34)	9.65 (245)
V1EEVK02UC	6.56 (2)	7.28 (185)	2.91 (74)	9.96 (253)
V1EEVK01UC	3.28 (1)	6.38 (162)	1.18 (30)	9.33 (237)

3. Electrical Wiring Diagram

Control Kit

V2UCK01



F166	Fuse	EVA IN(10K)	Thermistor - IDU heat exchanger In
ERROR	Contact output port for error check	EVA OUT(10K)	Thermistor - IDU heat exchanger Out
COMP	Contact output port for compressor operation check	EEPROM	EEPROM SUB PBA
EEV	Electronic Expansion Valve	EXTERNAL CTRL	Input port for external contact control
		DISCHARGE(10K)	DISCHARGE TEMPERATURE SENSOR

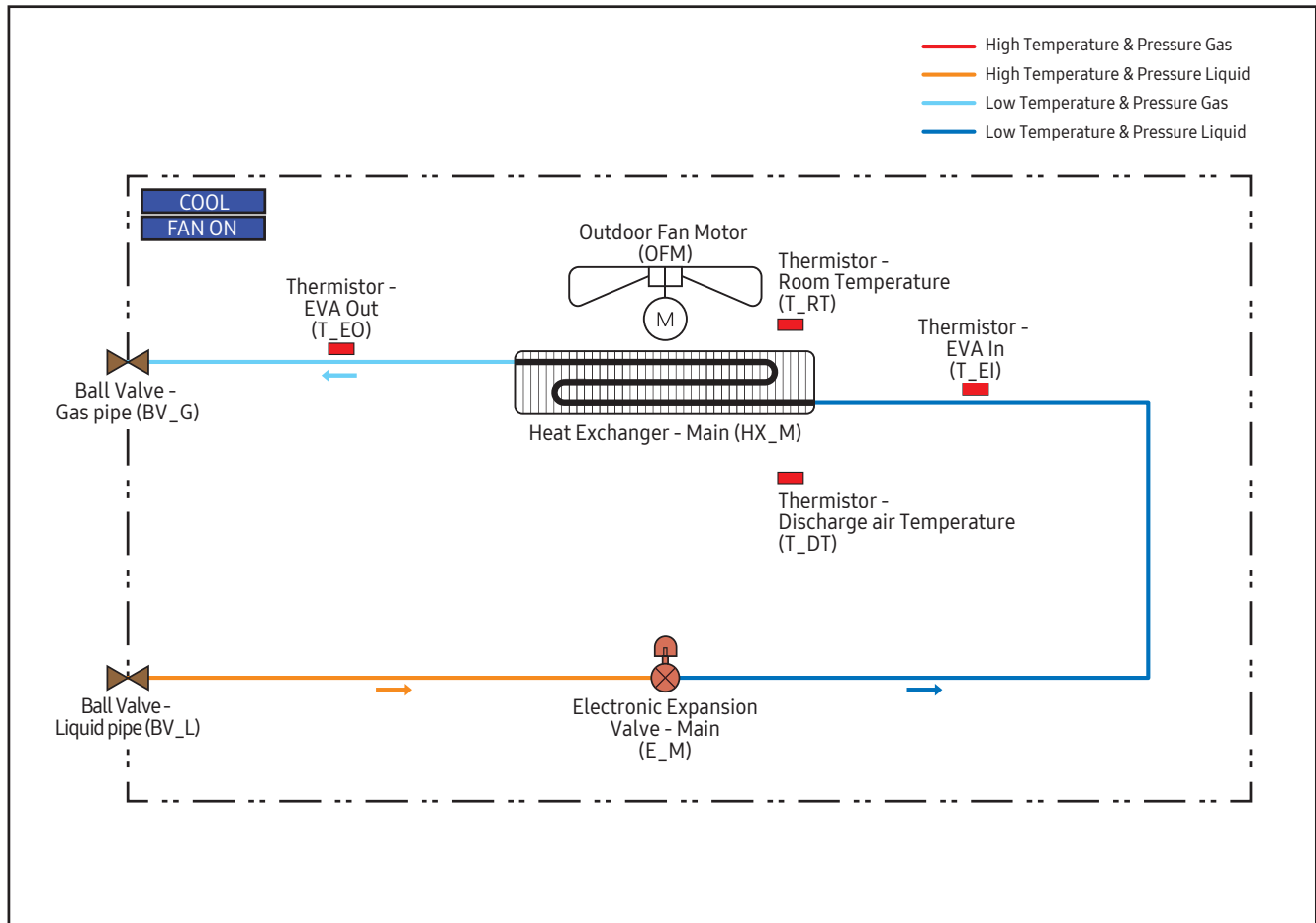
NOTE

- This wiring diagram applies only to the UCK.
- Symbols show as follow;
 - BLK : black, RED : red, BLU : blue, WHT:white, YEL : yellow, BRN : brown, SKY : sky-blue, GRN : green
- For connection wiring indoor-outdoor transmission F1-F2, indoor-wired remote controller transmission F3-F4.
- ⏚ Protective earth(screw), □□□□ : connector, $\frac{N}{n}$: The wire quantity

4. Piping Diagram

V2UCK (Universal Communication Kit)

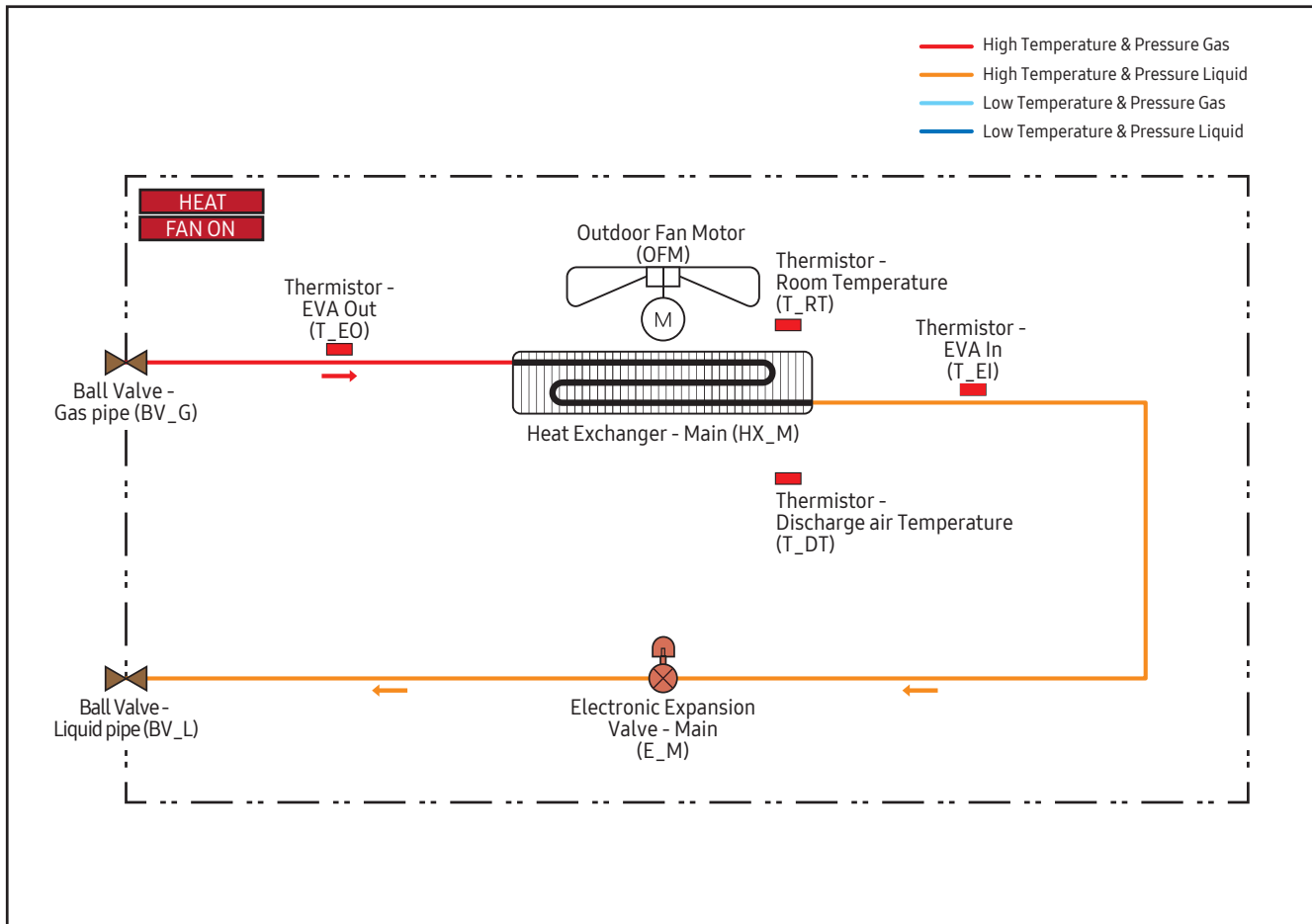
Cooling operation



4. Piping Diagram

V2UCK (Universal Communication Kit)

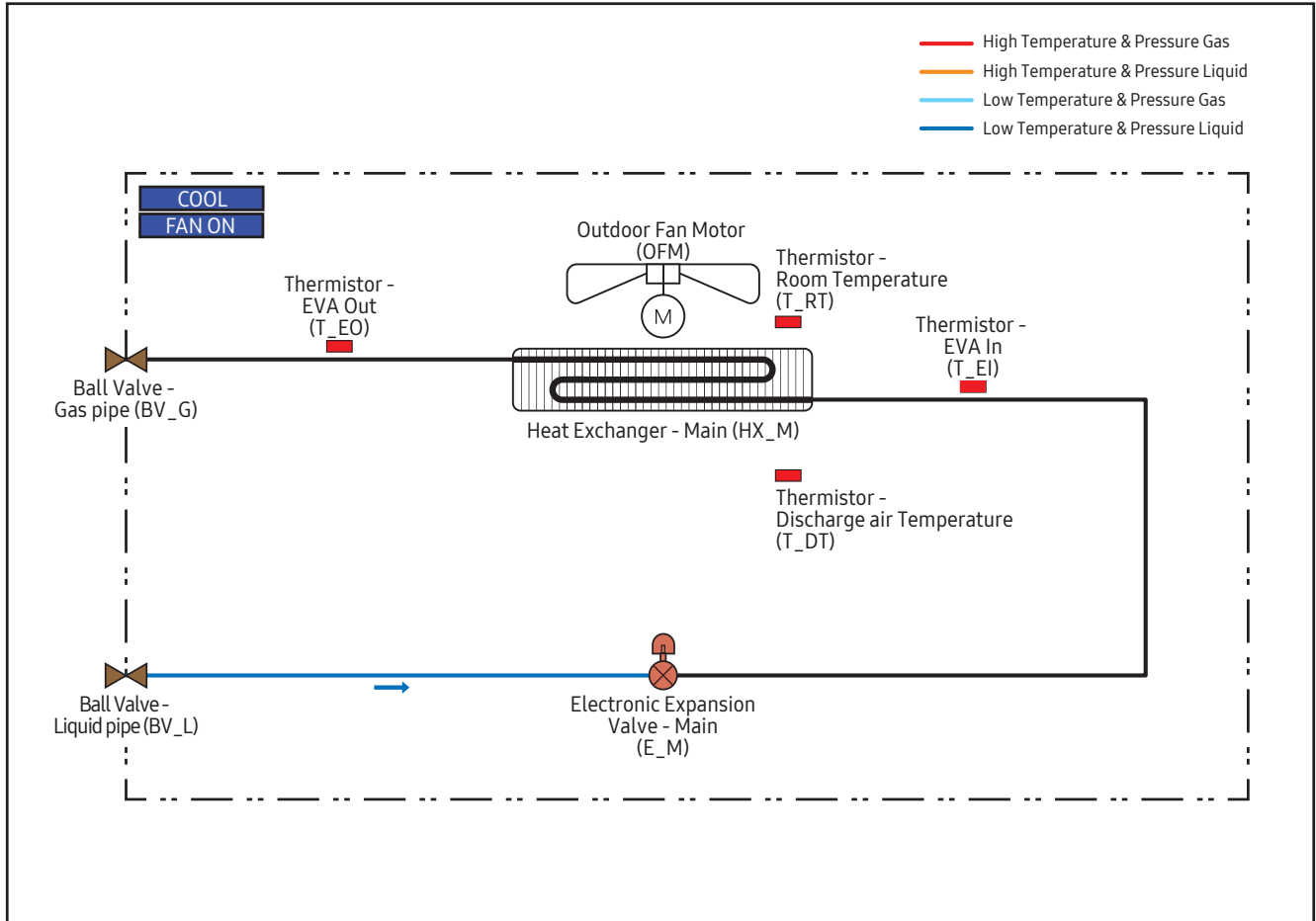
Heating operation



4. Piping Diagram

V2UCK (Universal Communication Kit)

Free cooling operation





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