



Submittal:

Models: LM009CI-100P432-1/ LM009CO-100P432-1
LM012CI-100P432-1/ LM012CO-100P432-1
(Refrigerant R410A)

Thank you for selecting LENNOX air conditioners.

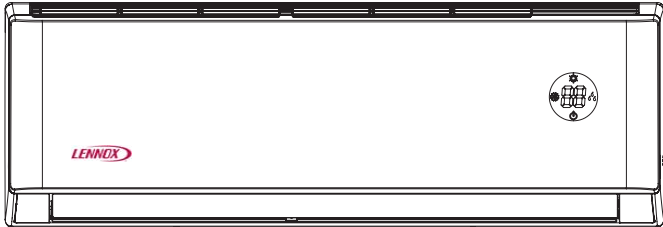


Submittal R410A 60Hz On-Off

1.Summary

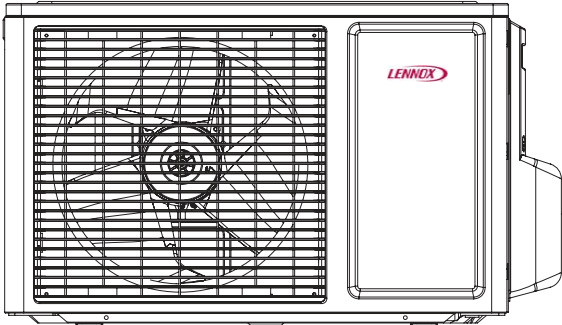
Indoor Unit:

LM009CI-100P432-1
LM012CI-100P432-1

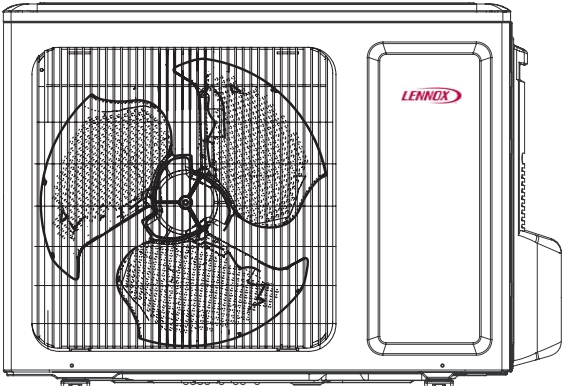


Outdoor Unit:

LM009CO-100P432-1



LM012CO-100P432-1



Remote Controller:

Y6185



2. Specifications

2.1 Specification Sheet

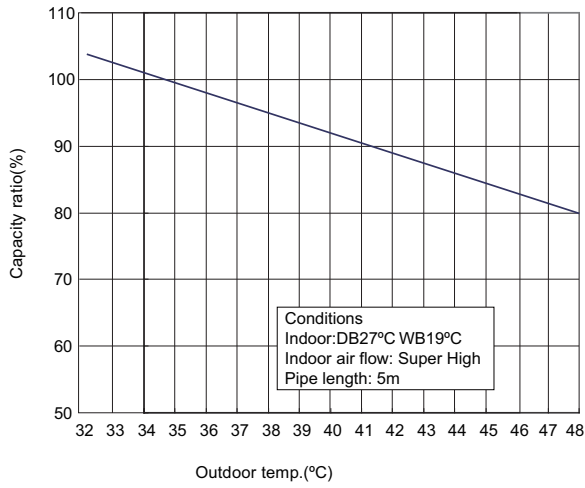
Model			LM009CI-100P432-1 LM009CO-100P432-1	LM012CI-100P432-1 LM012CO-100P432-1	
Product Code			Y6916 Y6917	Y6918 Y6919	
Power Supply	Rated Voltage	V~	220	220	
	Rated Frequency	Hz	60	60	
	Phases		1	1	
Power Supply Mode			Indoor	Indoor	
Cooling Capacity		Btu/h	9000	12000	
Heating Capacity		W	/	/	
Cooling Power Input		W	900	1200	
Heating Power Input		W	/	/	
Cooling Power Current		A	4.3	5	
Heating Power Current		A	/	/	
Rated Input		W	1060	1400	
Rated Current		A	5.5	8	
Air Flow Volume (SH/H/M/L/SL)		m ³ /h	450/410/340/270/-	550/460/380/300/-	
Dehumidifying Volume		L/h	1	1	
EER		Btu/w.h	10.0	10.0	
COP		W/W	/	/	
SEER		W/W	/	/	
HSPF		W/W	/	/	
Application Area		m ²	10-16	16-24	
Indoor Unit	Model of indoor unit		LM009CI-100P432-1	LM012CI-100P432-1	
	Indoor Unit Product Code		Y6916	Y6918	
	Fan Type		Cross-flow	Cross-flow	
	Diameter Length(DXL)		mm	Φ98X507	Φ98X580
	Fan Motor Cooling Speed (SH/H/M/L/SL)		r/min	1350/1200/1000/800/-	1450/1200/1050/800/-
	Fan Motor Heating Speed (SH/H/M/L/SL)		r/min	/	/
	Output of Fan Motor		W	10	20
	Fan Motor RLA		A	0.18	0
	Fan Motor Capacitor		μF	1	1
	Input of Heater		W	/	/
	Evaporator Form			Aluminum Fin-copper Tube	Aluminum Fin-copper Tube
	Pipe Diameter		mm	Φ5	Φ5
	Row-fin Gap		mm	2-1.5	2-1.4
	Coil Length (LXDXW)		mm	510X22.8X266.7	578X22.8X266.7
	Swing Motor Model			MP24AA	MP24AA
	Output of Swing Motor		W	1.5	1.5
	Fuse		A	3.15	3.15
	Sound Pressure Level (SH/H/M/L/SL)		dB (A)	41/37/32/28/-	43/38/33/28/-
	Sound Power Level (SH/H/M/L/SL)		dB (A)	51/47/42/38/-	53/48/43/38/-
	Dimension (WXHXD)		mm	713X270X195	790X275X200
	Dimension of Carton Box (LXWXH)		mm	773X265X347	850X339X262
	Dimension of Package (LXWXH)		mm	776X268X362	852X355X273
	Net Weight		kg	8.5	9
Gross Weight		kg	10	11	

Outdoor Unit	Model of Outdoor Unit		LM009CO-100P432-1	LM012CO-100P432-1
	Outdoor Unit Product Code		Y6917	Y6919
	Compressor Manufacturer/Trademark		ZHUHAI LANDA COMPRESSOR CO. LTD.	Shanghai Hitachi Electrical Appliances Co.,Ltd
	Compressor Model		QXA-A083rT130	ASG112UN-A6DT
	Compressor Oil		RB68EP or FVC68D or FV50S or equivalent	HAF68D1U
	Compressor Type		Rotary	Rotary
	L.R.A.	A	18	30
	Compressor RLA	A	4	5
	Compressor Power Input	W	844	1090
	Overload Protector		Internal UP3-00	UP3-03/HPA-430
	Throttling Method		Capillary	Capillary
	Operation Temp	°C	16~30	16~30
	Ambient Temp (Cooling)	°C	18~43	18~43
	Ambient Temp (Heating)	°C	/	/
	Condenser Form		Aluminum Fin-copper Tube	Aluminum Fin-copper Tube
	Pipe Diameter	mm	Φ7.94	Φ7
	Rows-fin Gap	mm	1-1.4	1-1.4
	Coil Length (LXDXW)	mm	655X19.05X396	730X495X12.7
	Fan Motor Speed	rpm	950	850
	Output of Fan Motor	W	20	30
	Fan Motor RLA	A	0	0.34
	Fan Motor Capacitor	μF	2	2.5
	Air Flow Volume of Outdoor Unit	m ³ /h	1200	1600
	Fan Type		Axial-flow	Axial-flow
	Fan Diameter	mm	Φ320	Φ394.5
	Defrosting Method		/	/
	Climate Type		T1	T1
	Isolation		I	I
	Moisture Protection		IP24	IP24
	Permissible Excessive Operating Pressure for the Discharge Side	MPa	4.3	4.3
	Permissible Excessive Operating Pressure for the Suction Side	MPa	2.5	2.5
	Sound Pressure Level (H/M/L)	dB (A)	50/-/-	50/-/-
	Sound Power Level (H/M/L)	dB (A)	60/-/-	60/-/-
Dimension (WXHXD)	mm	720X428X310	776X540X320	
Dimension of Carton Box (LXWXH)	mm	765X350X475	820X355X580	
Dimension of Package (LXWXH)	mm	768X353X490	823X358X595	
Net Weight	kg	22.5	27	
Gross Weight	kg	24	29.5	
Refrigerant		R410A	R410A	
Refrigerant Charge	kg	0.52	0.63	
Connection Pipe	Length	m	5	5
	Gas Additional Charge	g/m	15	20
	Outer Diameter Liquid Pipe	mm	Φ6	Φ6
	Outer Diameter Gas Pipe	mm	Φ9.52	Φ12
	Max Distance Height	m	5	10
	Max Distance Length	m	15	20
Note: The connection pipe applies metric diameter.				

The above data is subject to change without notice; please refer to the nameplate of the unit.

2.2 Capacity Curve in Different Outdoor Temperature

Cooling:



2.3 Cooling Data Sheet in Rated Frequency

Cooling:

Rated cooling condition(°C) (DB/WB)		Model	Pressure of gas pipe connecting indoor and outdoor unit	Inlet and outlet pipe temperature of heat exchanger		Fan speed of indoor unit	Fan speed of outdoor unit
Indoor	Outdoor		P (MPa)	T1 (°C)	T2 (°C)		
27/19	35/24	LM009CI-100P432-1 LM009CO-100P432-1	0.48~0.56	in:9~11 out:11~13	in:75~85 out:37~43	Super High	High
27/19	35/24	LM012CI-100P432-1 LM012CO-100P432-1	0.4~0.6	in:9~11 out:11~13	in:75~85 out:37~43	Super High	High

Instruction:

T1: Inlet and outlet pipe temperature of evaporator

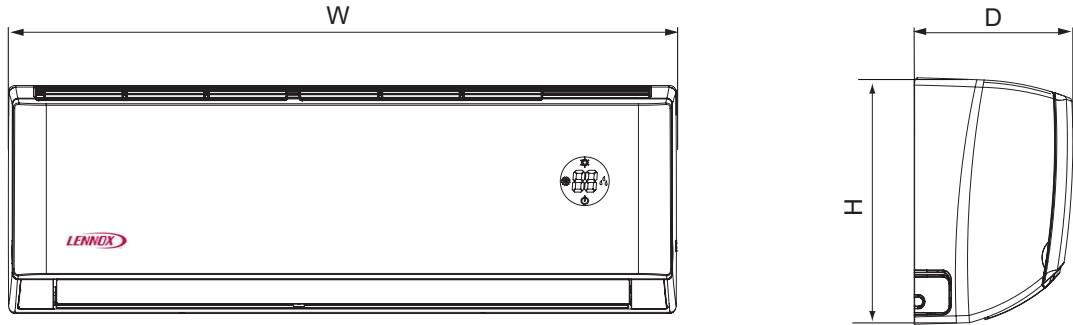
T2: Inlet and outlet pipe temperature of condenser

P: Pressure at the side of big valve

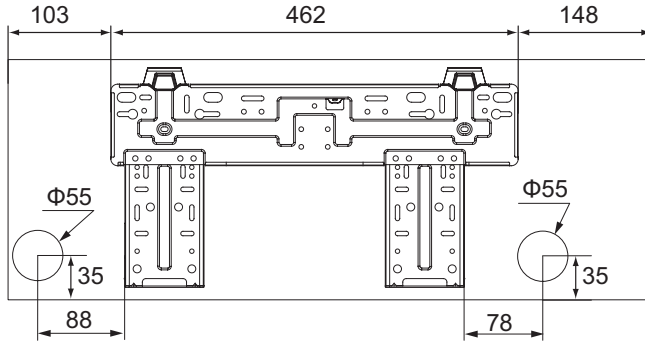
Connection pipe length: 5 m.

3. Dimensions

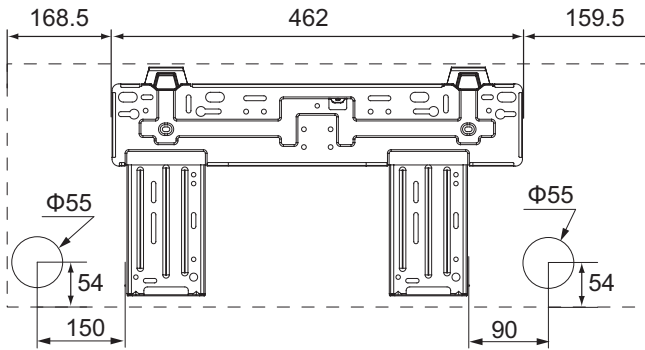
3.1 Indoor Unit



LM009CI-100P432-1



LM012CI-100P432-1

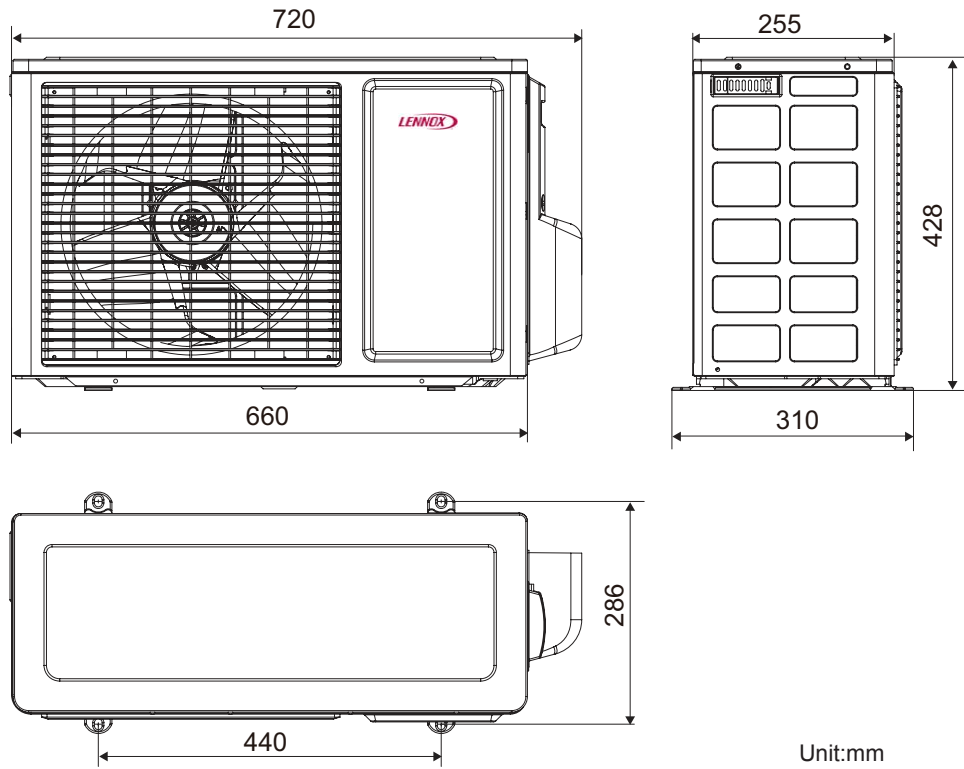


Unit:mm

Model	W	H	D
LM009CI-100P432-1	713	270	195
LM012CI-100P432-1	790	275	200

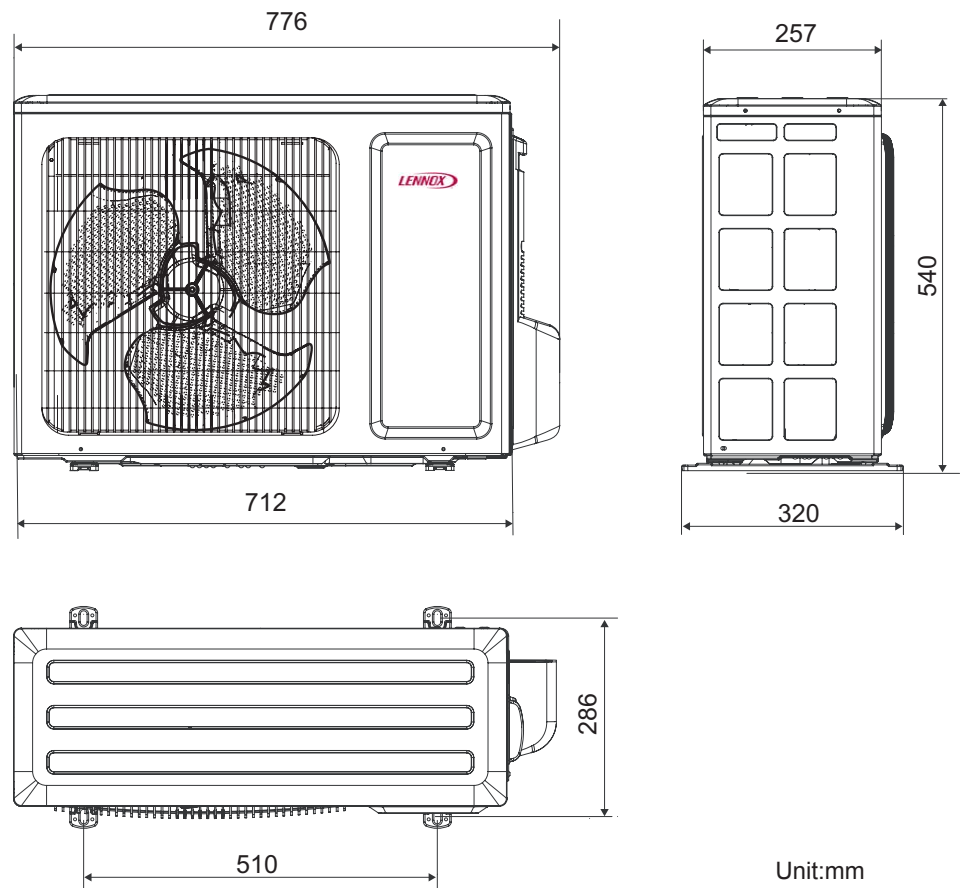
3.2 Outdoor Unit

LM009CO-100P432-1



Unit:mm

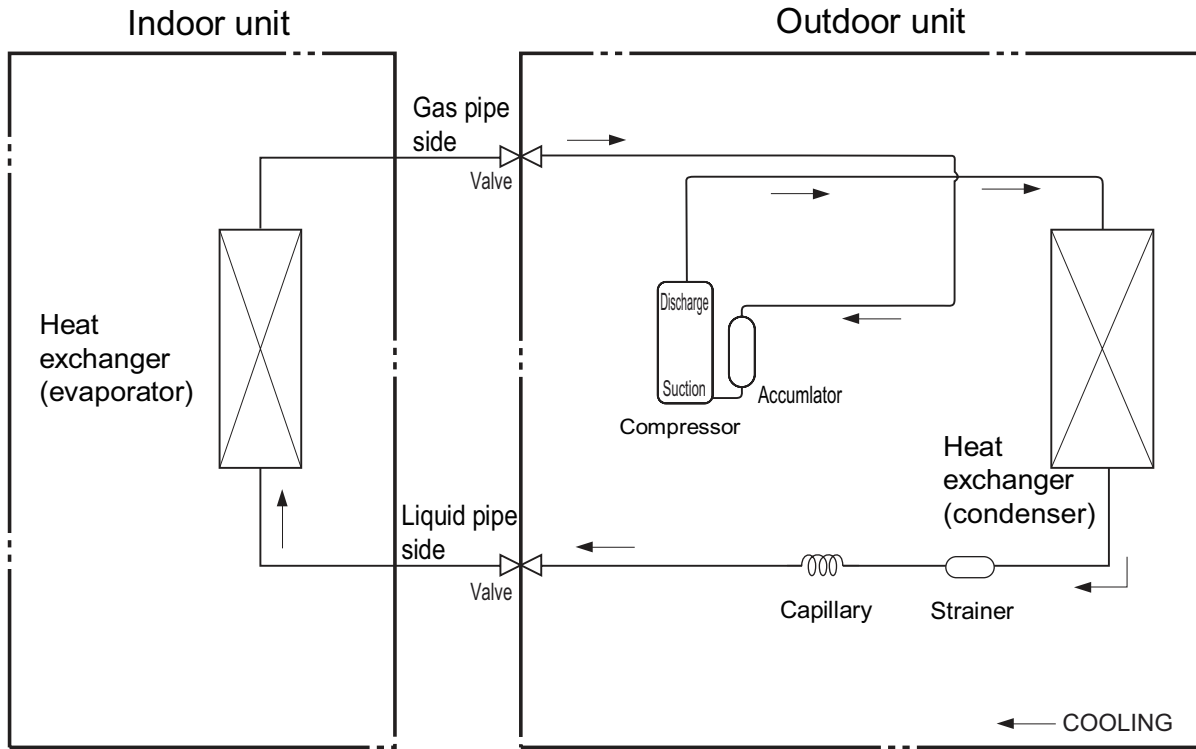
LM012CO-100P432-1



Unit:mm

4. Refrigerant System Diagram

Cooling unit



Connection pipe specification:

Liquid pipe: 1/4" (6mm)

Gas pipe: 3/8" (9.52mm)(LM009CI-100P432-1 LM009CO-100P432-1)

Gas pipe: 1/2" (12mm)(LM012CI-100P432-1 LM012CO-100P432-1)

5. Electrical Part

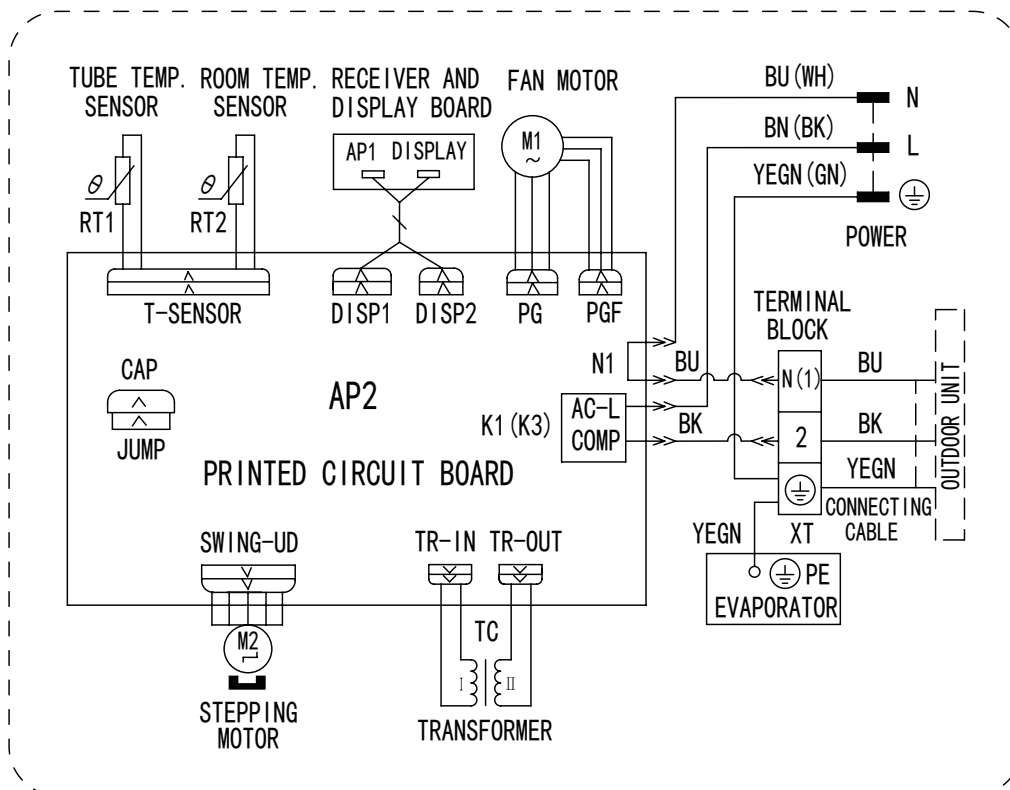
5.1 Wiring Diagram

- Instruction

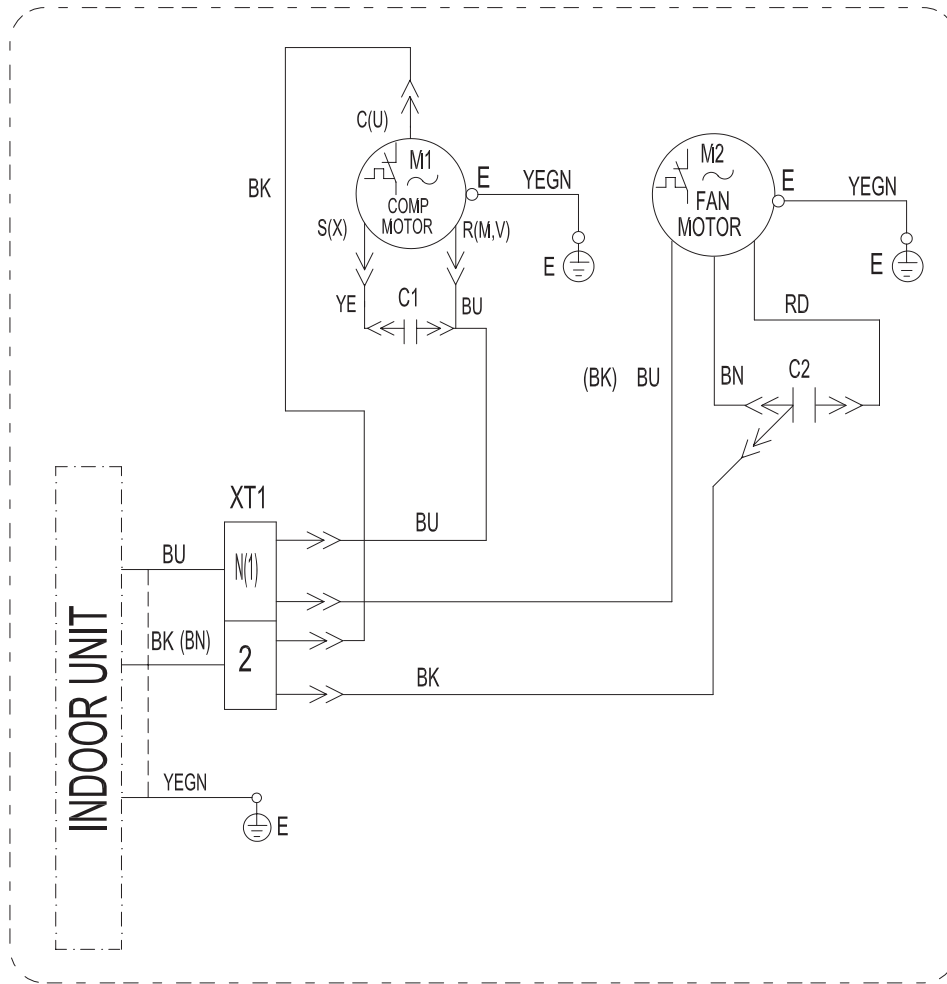
Symbol	Symbol Color	Symbol	Symbol Color	Symbol	Name
WH	White	GN	Green	CAP	Jumper cap
YE	Yellow	BN	Brown	COMP	Compressor
RD	Red	BU	Blue		Grounding wire
YEGN	Yellow/Green	BK	Black	/	/

Note: Jumper cap is used to determine fan speed and the swing angle of horizontal lover for this model.

- Indoor Unit



• Outdoor Unit



These wiring diagrams are subject to change without notice; please refer to the one supplied with the unit.