



Submittal:

Models: LI036CI-180P432 LI036CO-180P432
LI036HI-180P432 LI036HO-180P432
(Refrigerant R410A)

Thank you for selecting LENNOX air conditioners.

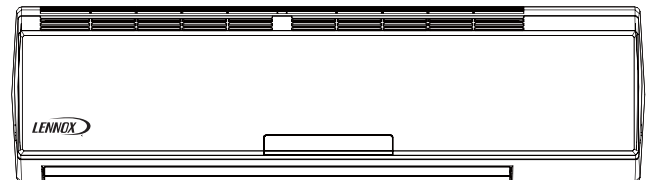


Submittal 23 SEER 60Hz

1. Summary

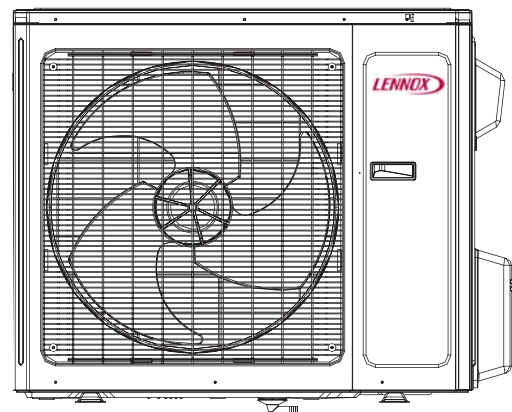
Indoor Unit:

LI036CI-180P432
LI036HI-180P432



Outdoor Unit:

LI036CO-180P432
LI036HO-180P432



Remote Controller:

Y6334



2. Specifications

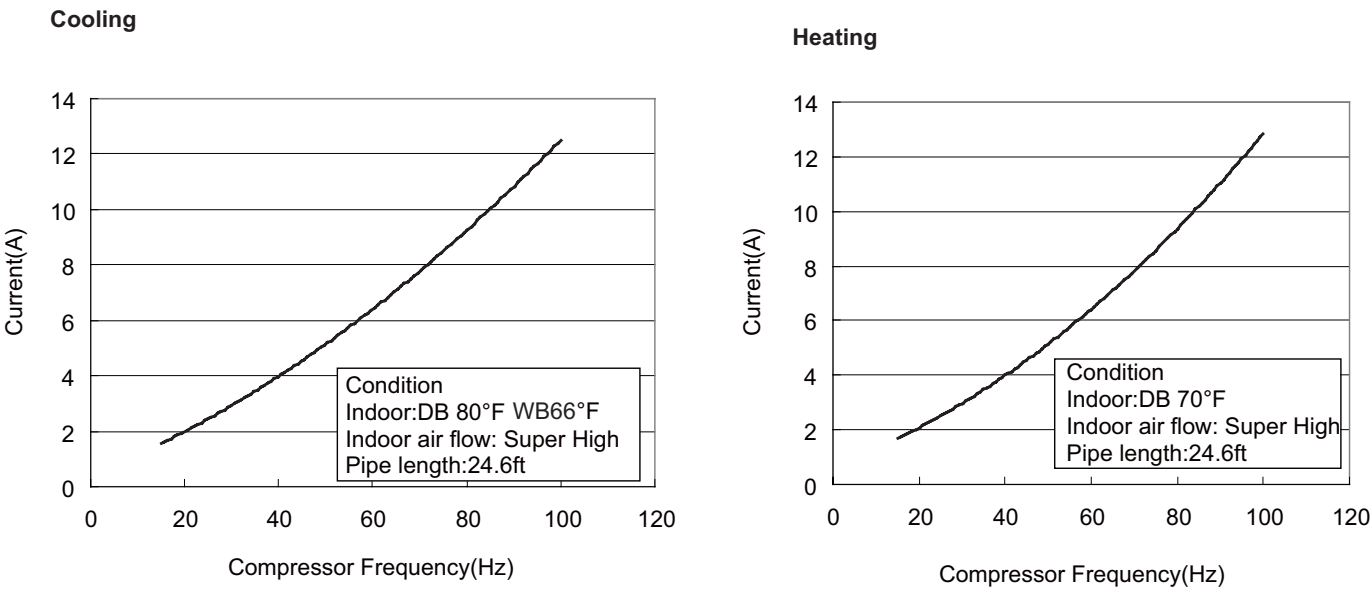
2.1 Specification Sheet

Model			LI036CI-180P432 LI036CO-180P432	LI036HI-180P432 LI036HO-180P432
Product Code			Y6669/Y6670	Y6685/Y6686
Power Supply	Rated Voltage	V~	208/230	208/230
	Rated Frequency	Hz	60	60
	Phases		1	1
Power Supply Mode			Outdoor	Outdoor
Cooling Capacity(Min~Max)		Btu/h	33600	33600
Heating Capacity(Min~Max)		Btu/h	/	34600
Cooling Power Input(Min~Max)		W	4100	4100
Heating Power Input(Min~Max)		W	/	3800
Cooling Power Current		A	17	17
Heating Power Current		A	/	16.5
Rated Input		W	4300	4300
Rated Current		A	20	20
Air Flow Volume(SH/H/M/L)		CFM	736/647/530/412	736/647/530/412
Dehumidifying Volume		Pint/h	7.4	7.4
EER		(Btu/h)/W	8.20	8.20
COP		(Btu/h)/W	/	9.11
SEER			18.00	18.00
SCOP			/	9.00
Application Area		yd ²	55.01-83.72	55.01-83.72
Indoor Unit	Model of indoor unit		LI036CI-180P432	LI036HI-180P432
	Indoor Unit Product Code		Y6669	Y6685
	Fan Type		Cross-flow	Cross-flow
	Diameter Length(DXL)	inch	Φ4 1/4X20 37/64	Φ4 1/4X20 37/64
	Fan Motor Cooling Speed (SH/H/M/L)	r/min	1400/1250/1000/800	1400/1250/1000/800
	Fan Motor Heating Speed (SH/H/M/L)	r/min	/	1400/1250/1050/850
	Output of Fan Motor	W	70	70
	Fan Motor RLA	A	0.4	0.4
	Fan Motor Capacitor	μF	/	/
	Evaporator Form		Aluminum Fin-copper Tube	Aluminum Fin-copper Tube
	Pipe Diameter	inch	Φ9/32	Φ9/32
	Row-fin Gap	inch	2-1/18	2-1/18
	Coil Length (LXDXW)	inch	42 9/32X1X15	42 9/32X1X15
	Swing Motor Model		MP24BA	MP24BA
	Output of Swing Motor	W	1.5	1.5
	Fuse	A	3.15	3.15
	Sound Pressure Level (SH/H/M/L)	dB (A)	54/49/44/37	54/49/44/37
	Sound Power Level (SH/H/M/L)	dB (A)	64/59/54/47	64/59/54/47
	Dimension (WXHXD)	inch	53 9/64X12 5/6X10	53 9/64X12 5/6X10
	Dimension of Carton Box (LXWXH)	inch	56 39/64X16 1/2X13 1/2	56 39/64X16 1/2X13 1/2
	Dimension of Package (LXWXH)	inch	56 3/4X16 37/64X14	56 3/4X16 37/64X14
	Net Weight	lb	41.9	41.9
	Gross Weight	lb	51.8	51.8

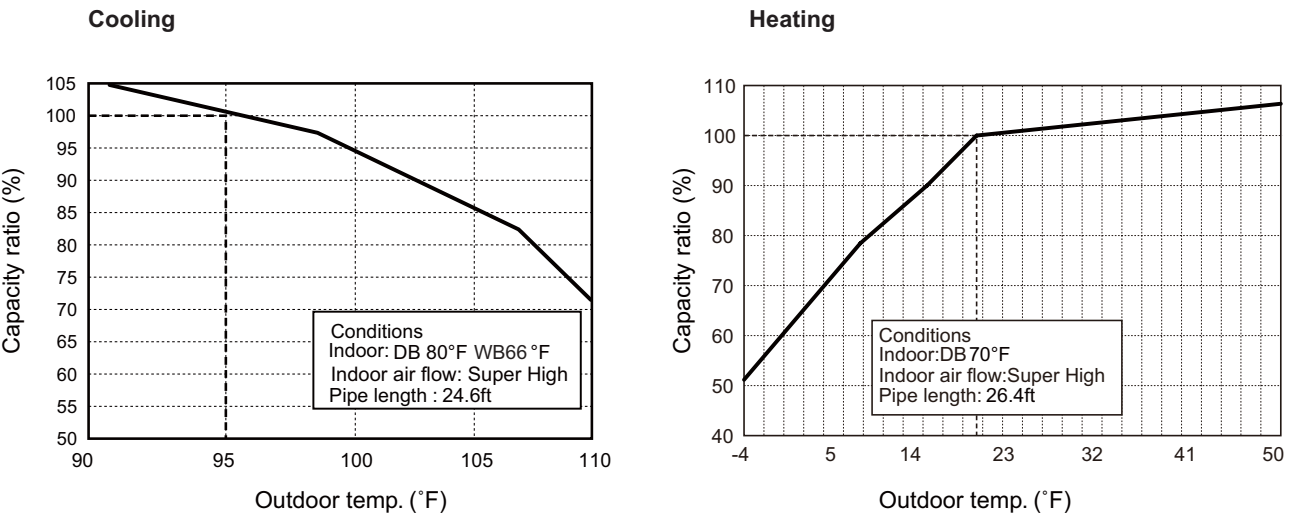
Outdoor Unit	Model of Outdoor Unit		LI036CO-180P432	LI036HO-180P432
	Outdoor Unit Product Code		Y6670	Y6686
	Compressor Manufacturer/Trademark		MITSUBISHI ELECTRIC (GUANGZHOU)COMPRESSOR CO. LTD	MITSUBISHI ELECTRIC (GUANGZHOU)COMPRESSOR CO. LTD
	Compressor Model		TNB306FPGMC	TNB306FPGMC
	Compressor Oil		FV50S	FV50S
	Compressor Type		Rotary	Rotary
	Compressor Locked Rotor Amp (L.R.A)		67.00	67.00
	Compressor RLA	A	13.50	13.50
	Compressor Power Input	W	3010	3010
	Overload Protector		CS01F272H01	CS01F272H01
	Throttling Method		Electron expansion valve	Electron expansion valve
	Operation temp	°F	61~86	61~86
	Ambient temp (cooling)	°F	0~109	0~109
	Ambient temp (heating)	°F	-4~75	-4~75
	Condenser Form		Aluminum Fin-copper Tube	Aluminum Fin-copper Tube
	Pipe Diameter	inch	Φ5/16	Φ5/16
	Rows-fin Gap	inch	2-1/18	2-1/18
	Coil Length (LXDXW)	inch	37X1 3/4X30	37X1 3/4X30
	Fan Motor Speed	rpm	890	890
	Output of Fan Motor	W	170	170
	Fan Motor RLA	A	0.89	0.89
	Fan Motor Capacitor	μF	/	/
	Air Flow Volume of Outdoor Unit	CFM	2589	2589
	Fan Type		Axial-flow	Axial-flow
	Fan Diameter	inch	Φ21 43/64	Φ21 43/64
	Defrosting Method		Automatic Defrosting	Automatic Defrosting
	Climate Type		T1	T1
	Isolation		I	I
	Moisture Protection		IP24	IP24
	Design Pressure(High)	PSIG	550	550
	Design Pressure(Low)	PSIG	240	240
	Sound Pressure Level (H/M/L)	dB (A)	65/-/-	65/-/-
	Sound Power Level (H/M/L)	dB (A)	75/-/-	75/-/-
	Dimension (WXHXD)	inch	39 1/2X31 7/64X16 13/16	39 1/2X31 7/64X16 13/16
	Dimension of Carton Box (LXWXH)	inch	42 1/2X19X33	42 1/2X19X33
	Dimension of Package (LXWXH)	inch	42 43/64X19 13/64X33 51/64	42 43/64X19 13/64X33 51/64
	Net Weight	lb	154.4	161.0
	Gross Weight	lb	165.4	172.0
	Refrigerant		R410A	R410A
	Refrigerant Charge	oz	84.66	91.71
Connection Pipe	Length	ft	24.6	24.6
	Gas Additional Charge	oz/ft	0.5	0.2
	Outer Diameter Liquid Pipe	inch	Φ1/4	Φ1/4
	Outer Diameter Gas Pipe	inch	Φ5/8	Φ5/8
	Max Distance Height	ft	32.8	32.8
	Max Distance Length	ft	98.4	98.4
	Note:The connection pipe applies metric diameter.			

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

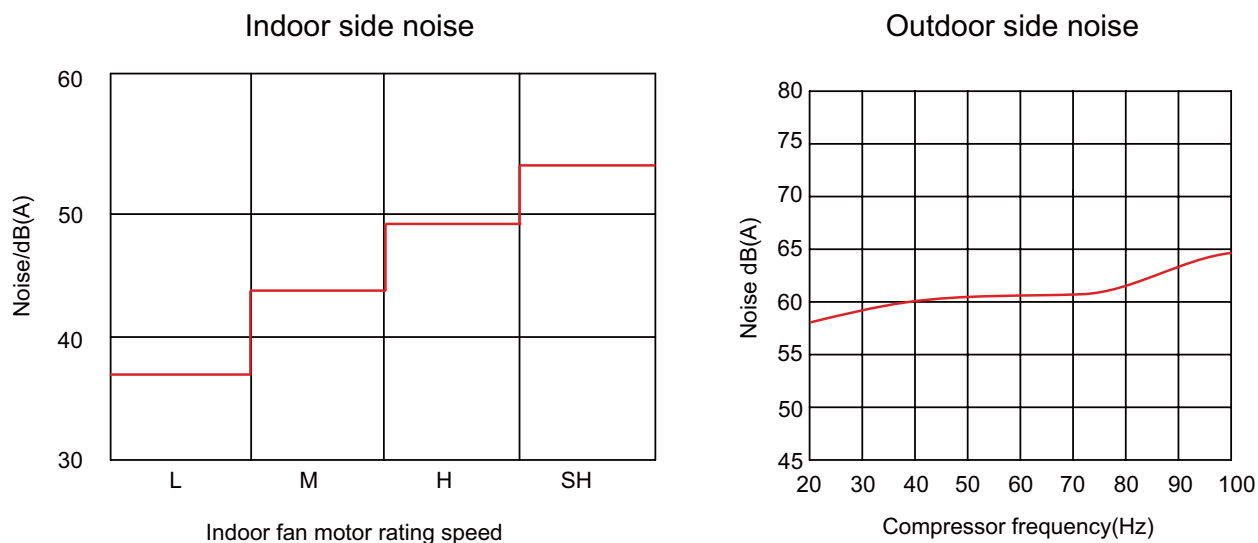
2.2 Operation Curve



2.3 Capacity Variation Ratio According to Temperature



2.4 Noise Curve



2.5 Cooling and Heating Data Sheet in Rated Frequency

Cooling:

Rated cooling condition(°F) (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	Compressor revolution (rps)
Indoor	Outdoor		P (MPa)	T1 (°F)	T2 (°F)			
80/66	95/-	LI036CI-180P432 LI036CO-180P432 LI036HI-180P432 LI036HO-180P432	0.9~1.0	46.8 to 52.8	127 to 96.8	Super High	High	60

Heating:

Rated heating condition(°F) (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	Compressor revolution (rps)
Indoor	Outdoor		P (MPa)	T1 (°F)	T2 (°F)			
70/-	20/19	LI036HI-180P432 LI036HO-180P432	3.5~3.8	134.4 to 102	36 to 39	Super High	High	58

Instruction:

T1: Inlet and outlet pipe temperature of evaporator

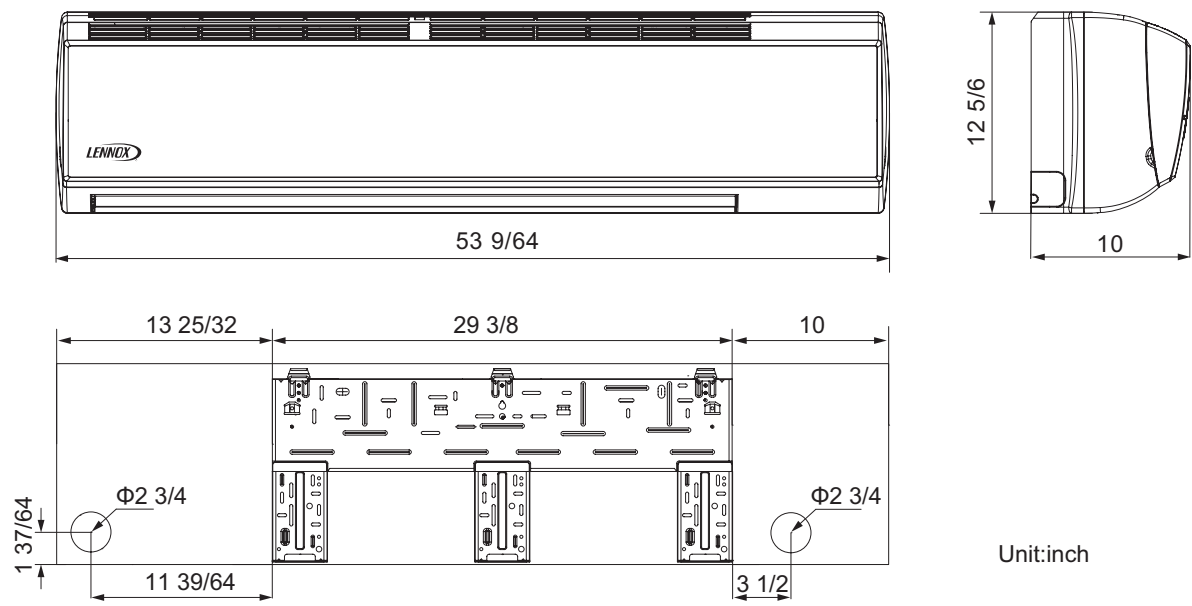
T2: Inlet and outlet pipe temperature of condenser

P: Pressure at the side of big valve

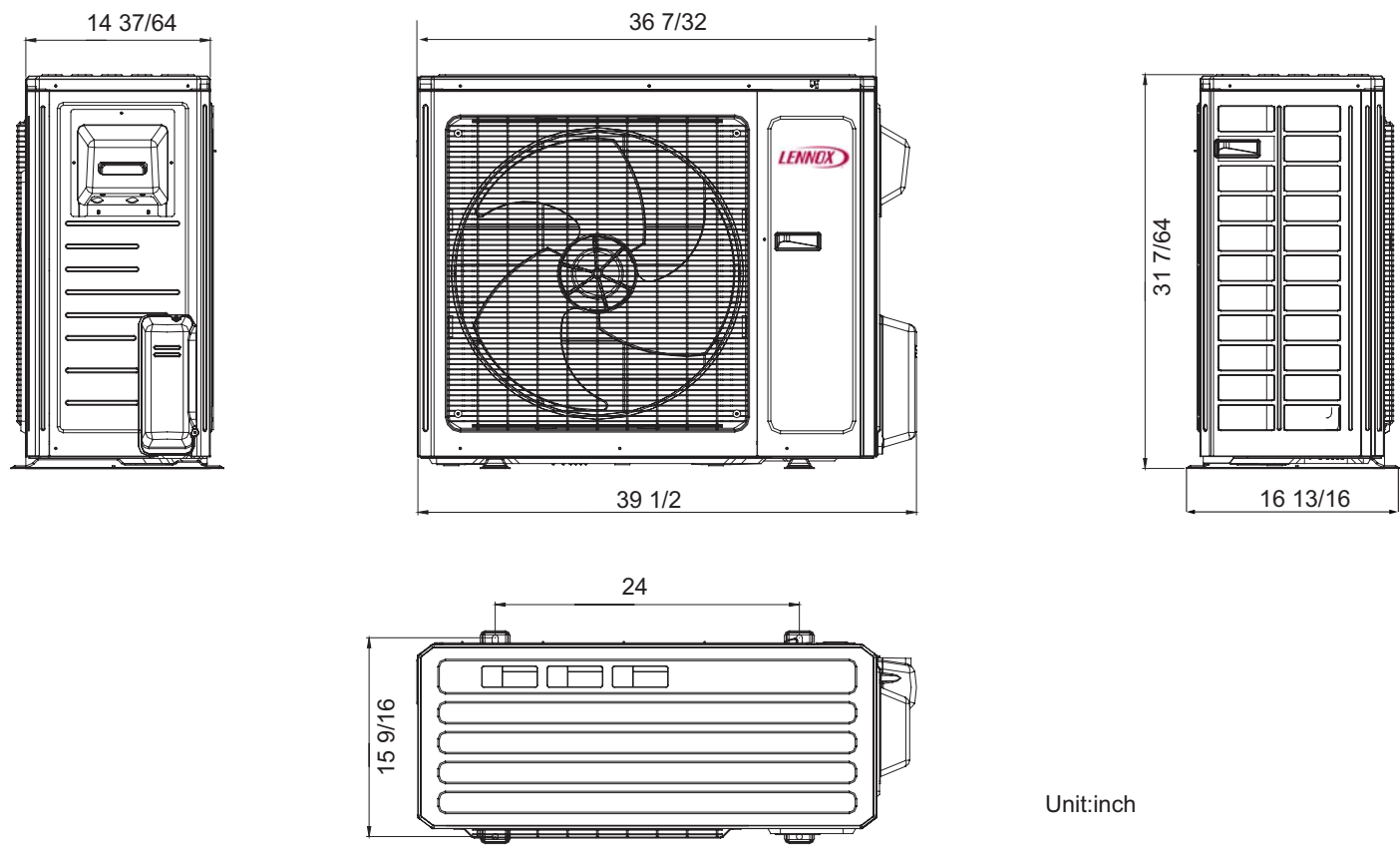
Connection pipe length: 24.6ft.

3.Dimensions

3.1 Indoor Unit

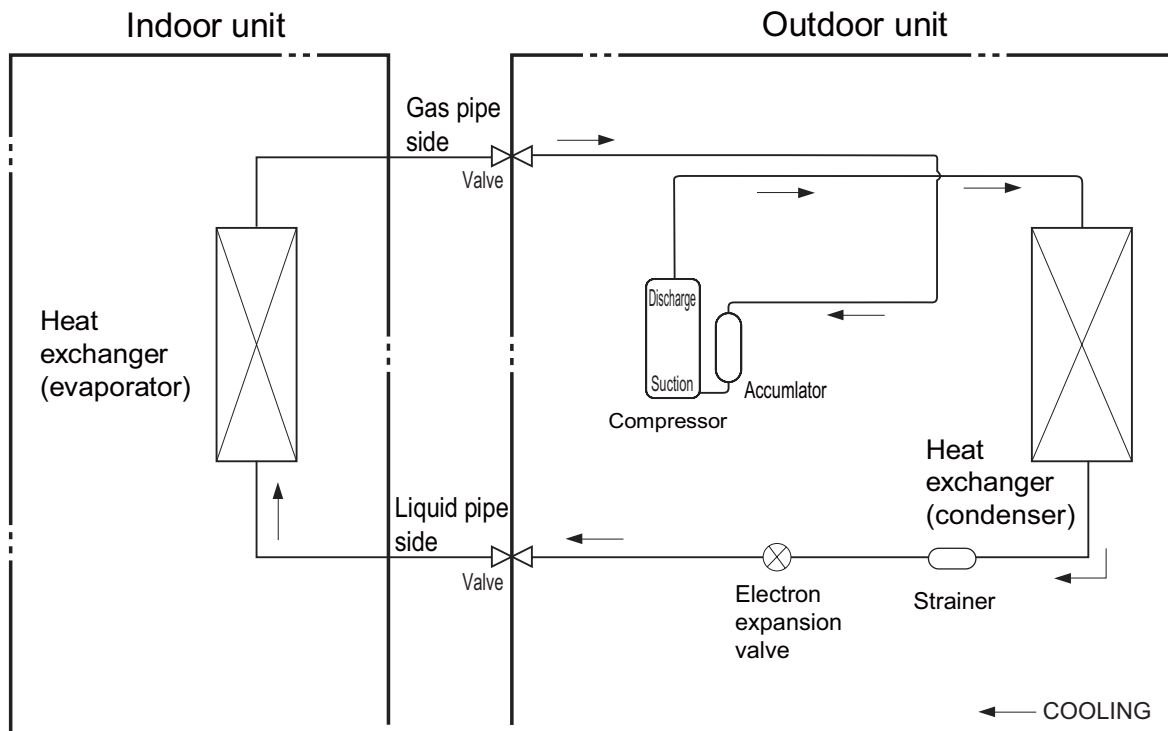


3.2 Outdoor Unit

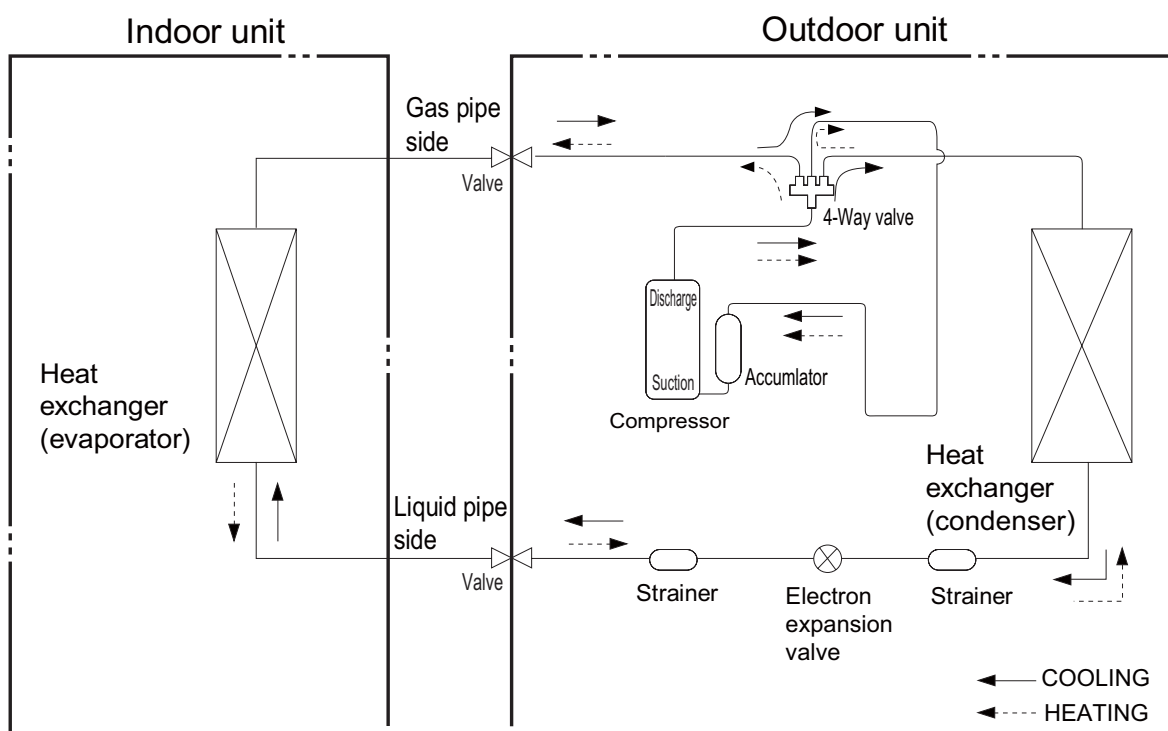


4. Refrigerant System Diagram

Cooling only model



Cooling and heating model



Connection pipe specification:

Liquid pipe: 1/4 inch

Gas pipe: 5/8 inch

5. Electrical Part

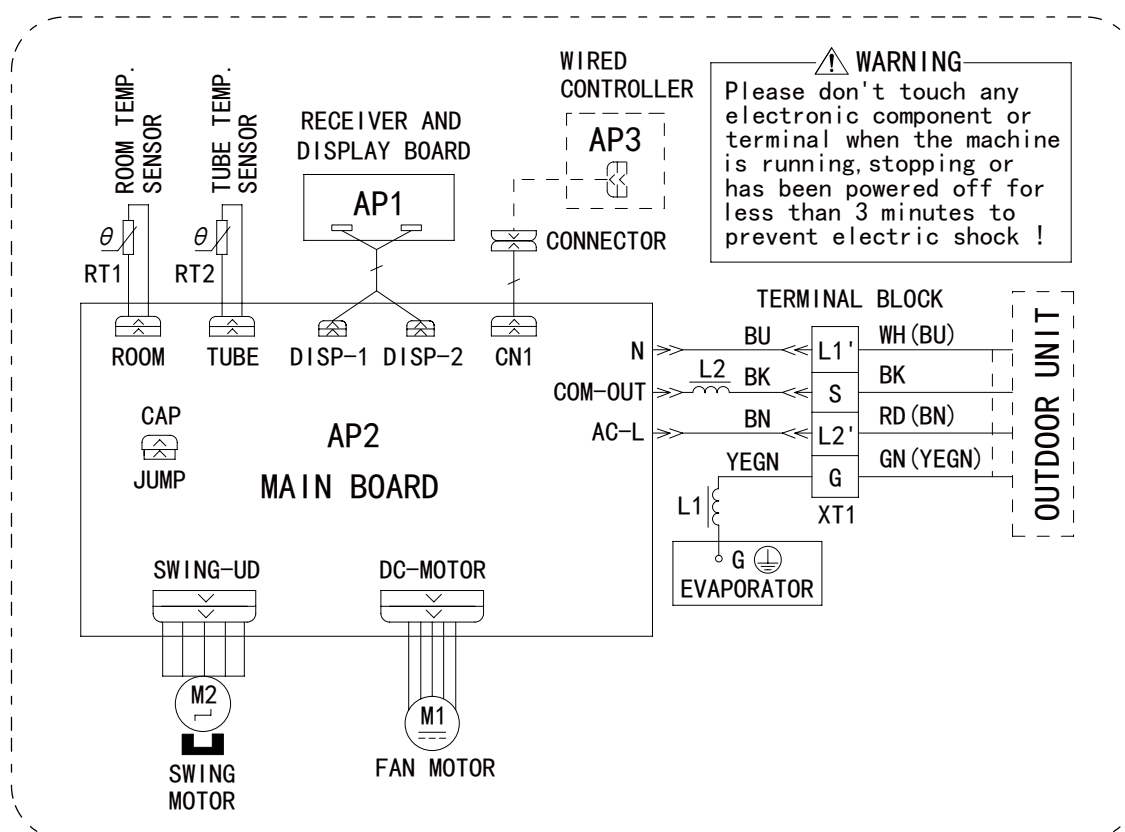
5.1 Wiring Diagram

● 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	/	/
VT	Violet	OG	Orange	/	/

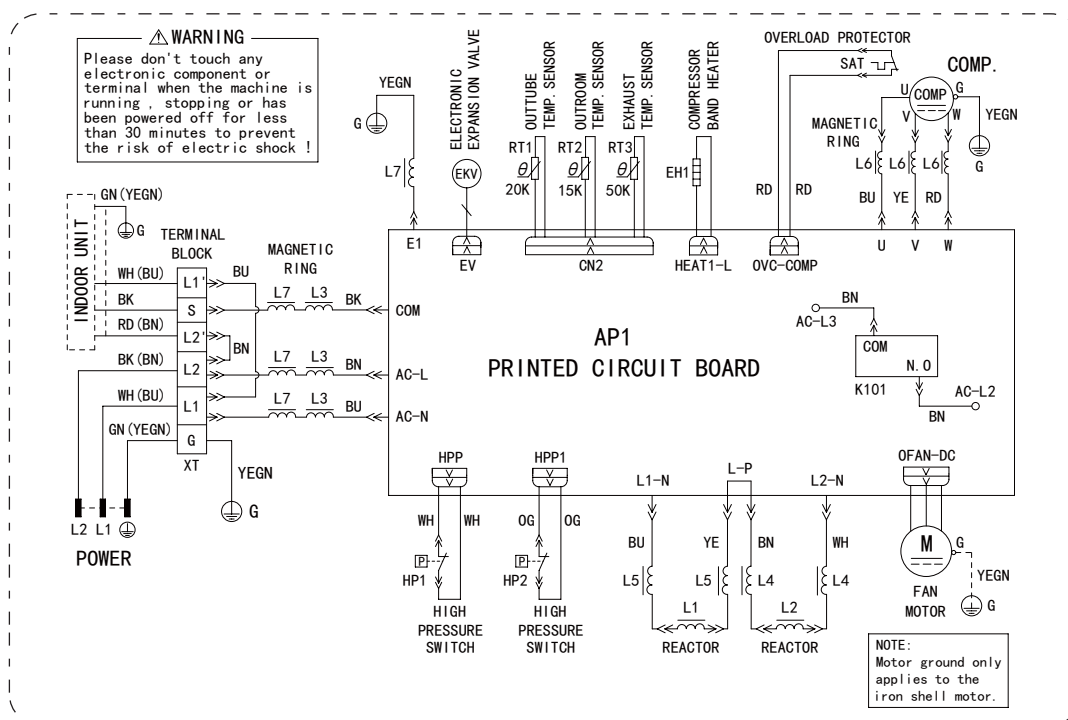
Note: Jumper cap is used to determine fan speed and the swing angle of horizontal lover for this model.

● Indoor Unit

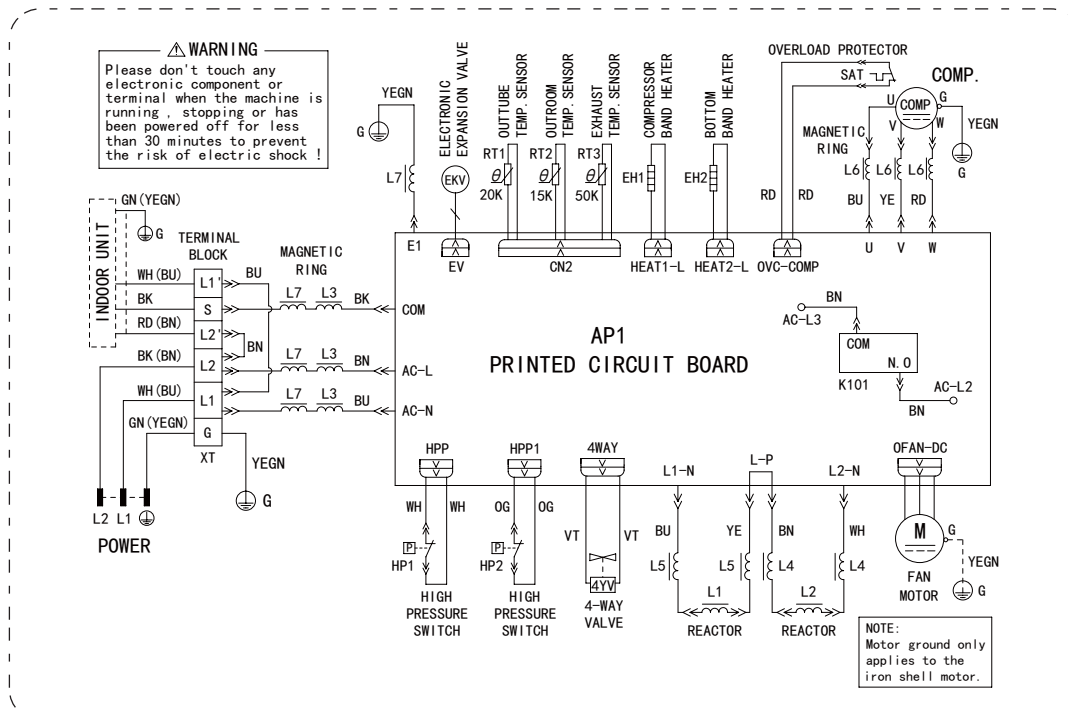


• Outdoor Unit

Cooling only model



Cooling and heating model



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