



Submittal:

Models: LM009CI-100T432-1 / LM009CO-100T432-1
LM012CI-100T432-1 / LM012CO-100T432-1
LM018CI-100T432-1 / LM018CO-100T432-1
LM024CI-100T432-1 / LM024CO-100T432-1
(Refrigerant R410A)

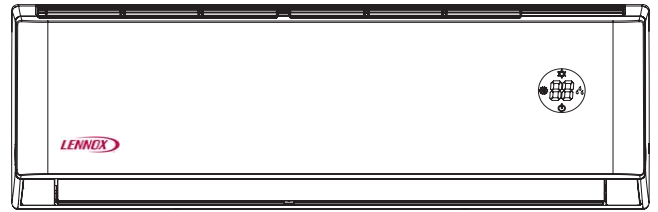
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Submittal R410A 50Hz On-Off

1. Summary

Indoor Unit:

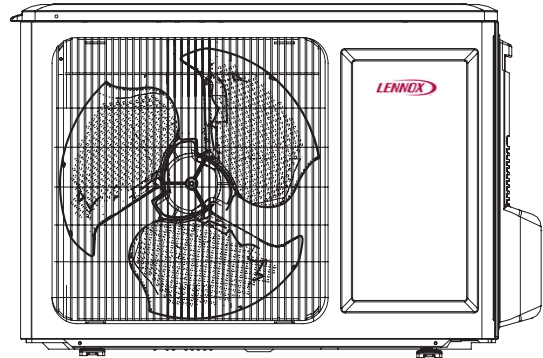
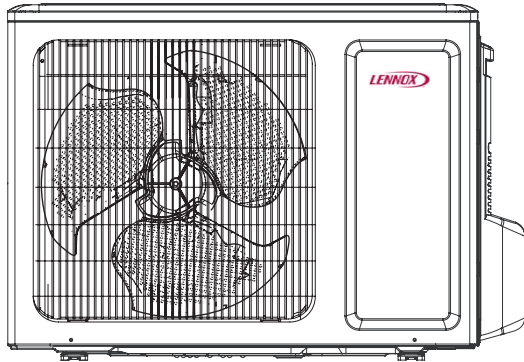
- LM009CI-100T432-1
- LM012CI-100T432-1
- LM018CI-100T432-1
- LM024CI-100T432-1



Outdoor Unit:

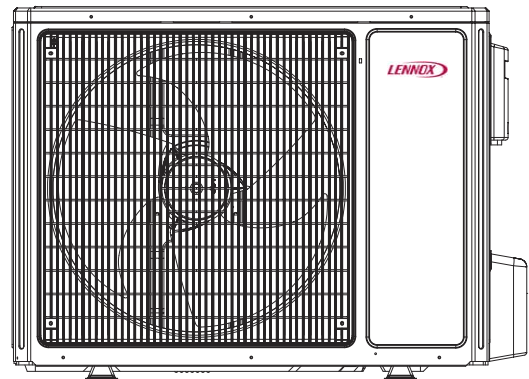
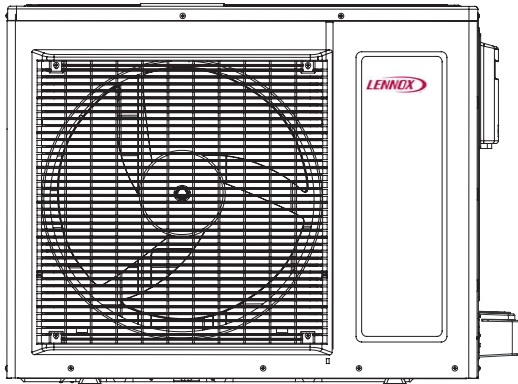
LM009CO-100T432-1

LM012CO-100T432-1



LM018CO-100T432-1

LM024CO-100T432-1



Remote Controller:

Y6185



2. Specifications

2.1 Specification Sheet

Model			LM009CI-100T432-1 LM009CO-100T432-1	LM012CI-100T432-1 LM012CO-100T432-1	
Product Code			Y6760 Y6761	Y6762 Y6763	
Power Supply	Rated Voltage	V~	220-240	220-240	
	Rated Frequency	Hz	50	50	
	Phases		1	1	
Power Supply Mode			Indoor	Indoor	
Cooling Capacity		Btu/h	9000	12000	
Heating Capacity		Btu/h	/	/	
Cooling Power Input		W	819	1134	
Heating Power Input		W	/	/	
Cooling Power Current		A	3.22	5.03	
Heating Power Current		A	/	/	
Rated Input		W	1130	1300	
Rated Current		A	6.85	7.0	
Air Flow Volume(SH/H/M/L/SL)		m ³ /h	550/490/430/370/-	630/540/460/330/-	
Dehumidifying Volume		L/h	0.8	1.4	
EER		(Btu/h)/W	10.99	10.58	
COP		(Btu/h)/W	/	/	
SEER		W/W	/	/	
HSPF		W/W	/	/	
Application Area		m ²	12-18	16-24	
Indoor Unit	Model of indoor unit		LM009CI-100T432-1	LM012CI-100T432-1	
	Indoor Unit Product Code		Y6760	Y6762	
	Fan Type		Cross-flow	Cross-flow	
	Diameter Length(DXL)		mm	Φ98X580	Φ98X633.5
	Fan Motor Cooling Speed(SH/H/M/L/SL)		r/min	1350/1200/1050/800/-	1350/1200/1050/850/-
	Fan Motor Heating Speed(SH/H/M/L/SL)		r/min	/	/
	Output of Fan Motor		W	20	20
	Fan Motor RLA		A	0.2	0.32
	Fan Motor Capacitor		μF	1	1.5
	Evaporator Form			Aluminum Fin-copper Tube	Aluminum Fin-copper Tube
	Pipe Diameter		mm	Φ5	Φ5
	Row-fin Gap		mm	2-1.4	2-1.4
	Coil Length (LXDXW)		mm	584X22.8X266.7	635X25.4X304.8
	Swing Motor Model			MP24AA	MP24BA
	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)	39/36/32/26/-	42/38/33/29/-
	Sound Power Level (SH/H/M/L/SL)		dB (A)	49/46/42/36/-	52/48/43/39/-
	Dimension (WXHXD)		mm	790X275X200	845X289X209
	Dimension of Carton Box (LXWXH)		mm	863X268X352	918X278X364
Dimension of Package (LXWXH)		mm	866X271X367	921X281X379	
Net Weight		kg	9	10.5	
Gross Weight		kg	11	12.5	

Outdoor Unit	Model of Outdoor Unit		LM009CO-100T432-1	LM012CO-100T432-1
	Outdoor Unit Product Code		Y6761	Y6763
	Compressor Manufacturer/Trademark		ZHUHAI LANDA COMPRESSOR CO. LTD.	ZHUHAI LANDA COMPRESSOR CO.,LTD.
	Compressor Model		QXA-B098E050	QXA-C122E030
	Compressor Oil		RB68EP,FCV68D	RB68EP/FVC68D
	Compressor Type		Rotary	Rotary
	L.R.A.	A	18.5	25
	Compressor RLA	A	3.6	4.6
	Compressor Power Input	W	800	1010
	Overload Protector		Internal	Internal
	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	Φ5	Φ7.94
	Rows-fin Gap	mm	1-1.3	1-1.4
	Coil Length (LXDXW)	mm	739X22.8X495.3	742X19.05X506
	Fan Motor Speed	rpm	850±20	850
	Output of Fan Motor	W	35	35
	Fan Motor RLA	A	0.37	0.33
	Fan Motor Capacitor	μF	2.5	2.5
	Air Flow Volume of Outdoor Unit	m ³ /h	1600	1800
	Fan Type		Axial-flow	Axial-flow
	Fan Diameter	mm	Φ394.5	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	776X540X328	848X540X320	
Dimension of Carton Box (LXWXH)	mm	820X355X580	878X360X580	
Dimension of Package (LXWXH)	mm	823X358X595	881X363X595	
Net Weight	kg	27.5	32.5	
Gross Weight	kg	30	35	
Refrigerant		R410A	R410A	
Refrigerant Charge	kg	0.52	0.85	
Connection Pipe	Length	m	5	5
	Gas Additional Charge	g/m	15	15
	Outer Diameter Liquid Pipe	mm	Φ6	Φ6
	Outer Diameter Gas Pipe	mm	Φ9.52	Φ12
	Max Distance Height	m	10	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.

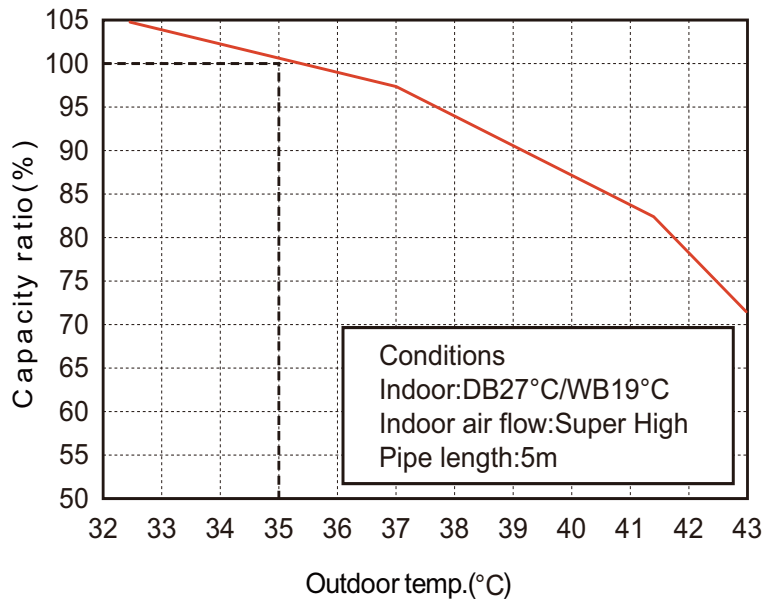
Model			LM018CI-100T432-1 LM018CO-100T432-1	LM024CI-100T432-1 LM024CO-100T432-1	
Product Code			Y6764 Y6765	Y6766 Y6767	
Power Supply	Rated Voltage	V~	220-240	220-240	
	Rated Frequency	Hz	50	50	
	Phases		1	1	
Power Supply Mode			Indoor	Indoor	
Cooling Capacity		Btu/h	18000	24000	
Heating Capacity		Btu/h	/	/	
Cooling Power Input		W	1675	2164	
Heating Power Input		W	/	/	
Cooling Power Current		A	7.28	9.60	
Heating Power Current		A	/	/	
Rated Input		W	1950	2700	
Rated Current		A	8.48	10.64	
Air Flow Volume(SH/H/M/L/SL)		m ³ /h	850/780/680/540/-	1250/1100/960/820/-	
Dehumidifying Volume		L/h	1.8	2.0	
EER		(Btu/h)/W	10.70	11.09	
COP		(Btu/h)/W	/	/	
SEER		W/W	/	/	
HSPF		W/W	/	/	
Application Area		m ²	23-34	27-42	
Indoor Unit	Model of indoor unit		LM018CI-100T432-1	LM024CI-100T432-1	
	Indoor Unit Product Code		Y6764	Y6766	
	Fan Type		Cross-flow	Cross-flow	
	Diameter Length(DXL)		mm	Φ106X706	Φ108X830
	Fan Motor Cooling Speed(SH/H/M/L/SL)		r/min	1350/1200/1050/900/-	1300/1150/1000/850/-
	Fan Motor Heating Speed(SH/H/M/L/SL)		r/min	/	/
	Output of Fan Motor		W	35	35
	Fan Motor RLA		A	0.35	0.35
	Fan Motor Capacitor		μF	2.5	3
	Evaporator Form			Aluminum Fin-copper Tube	Aluminum Fin-copper Tube
	Pipe Diameter		mm	Φ7	Φ7
	Row-fin Gap		mm	2-1.4	2-1.4
	Coil Length (LXDXW)		mm	715X25.4X304.8	845X25.4X381
	Swing Motor Model			MP35CJ	MP35CJ
	Output of Swing Motor		W	2.5	2.5
	Fuse		A	3.15	3.15
	Sound Pressure Level (SH/H/M/L/SL)		dB (A)	48/43/40/36/-	48/45/40/37/-
	Sound Power Level (SH/H/M/L/SL)		dB (A)	58/53/50/46/-	58/55/50/47/-
	Dimension (WXHXD)		mm	970X300X224	1078X325X246
	Dimension of Carton Box (LXWXH)		mm	1038X380X305	1145X410X335
Dimension of Package (LXWXH)		mm	1041X383X320	1148X413X350	
Net Weight		kg	13.5	16	
Gross Weight		kg	16.5	19.5	

Outdoor Unit	Model of Outdoor Unit		LM018CO-100T432-1	LM024CO-100T432-1
	Outdoor Unit Product Code		Y6765	Y6767
	Compressor Manufacturer/Trademark		ZHUHAI LANDA COMPRESSOR CO., LTD.	ZHUHAI LANDA COMPRESSOR CO.,LTD.
	Compressor Model		QXA-F19F050	QXA-F24F050
	Compressor Oil		ATMOS-RB68EP	RB68EP
	Compressor Type		Rotary	Rotary
	L.R.A.	A	40	45.00
	Compressor RLA	A	7.25	8.90
	Compressor Power Input	W	1590	2027
	Overload Protector		Internal	internal
	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	Φ9.52	Φ7
	Rows-fin Gap	mm	1-1.4	2-1.4
	Coil Length (LXDXW)	mm	797X22X660	817.8X38.1X660
	Fan Motor Speed	rpm	780	690
	Output of Fan Motor	W	68	60
	Fan Motor RLA	A	0.75	0.56
	Fan Motor Capacitor	μF	3	3.5
	Air Flow Volume of Outdoor Unit	m ³ /h	2800	3200
	Fan Type		Axial-flow	Axial-flow
	Fan Diameter	mm	Φ460	Φ520
	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)	54/-/-	54/-/-
	Sound Power Level (H/M/L)	dB (A)	64/-/-	64/-/-
Dimension (WXHXD)	mm	931X680X378	963X700X396	
Dimension of Carton Box (LXWXH)	mm	994X428X725	1026X455X735	
Dimension of Package (LXWXH)	mm	997X431X740	1029X458X750	
Net Weight	kg	47	52	
Gross Weight	kg	51	56.5	
Refrigerant		R410A	R410A	
Refrigerant Charge	kg	1.15	1.6	
Connection Pipe	Length	m	5	5
	Gas Additional Charge	g/m	15	15
	Outer Diameter Liquid Pipe	mm	Φ6	Φ6
	Outer Diameter Gas Pipe	mm	Φ12	Φ16
	Max Distance Height	m	10	10
	Max Distance Length	m	25	25
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 and Heating 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			T1 (°C)	T2 (°C)		
27/19	35/24	LM009CI-100T432-1 LM009CO-100T432-1	0.9~1.1	in:10~14 out:11~14	in:72~83 out:35~40	Super High	High
27/19	35/24	LM012CI-100T432-1 LM012CO-100T432-1	0.8~1.1	in:10~14 out:11~14	in:69~74 out:38~45	Super High	High
27/19	35/24	LM018CI-100T432-1 LM018CO-100T432-1	0.8~1.0	in:8~11 out:11~14	in:75~85 out:37~43	Super High	High
27/19	35/24	LM024CI-100T432-1 LM024CO-100T432-1	0.9~1.1	in:8~11 out:11~12	in:75~85 out:36~43	Super High	High

Instruction:

T1: Inlet and outlet pipe temperature of evaporator

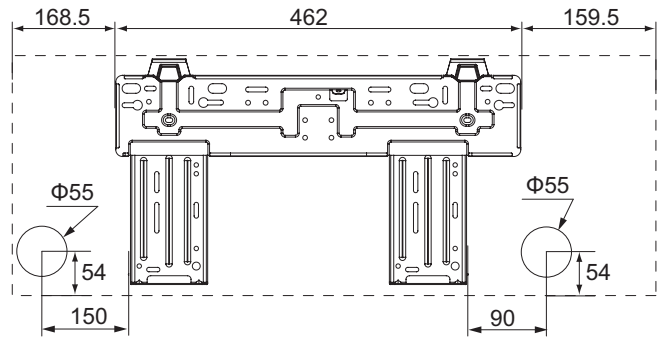
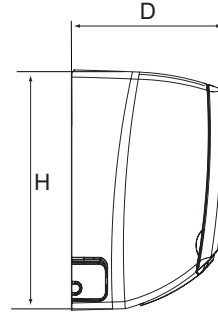
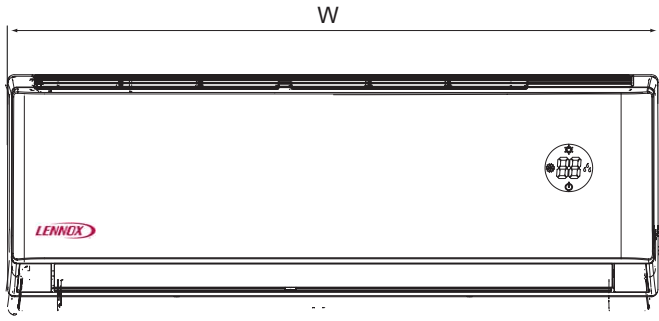
T2: Inlet and outlet pipe temperature of condenser

P: Pressure at the side of big valve

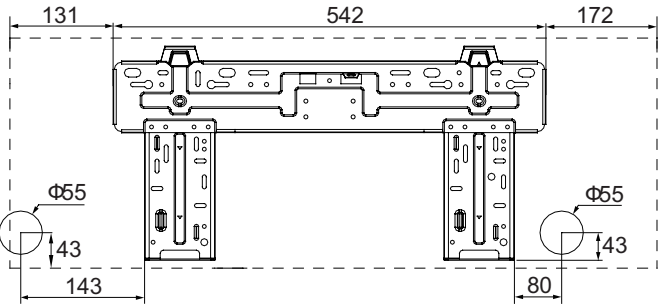
Connection pipe length: 5m.

3. Dimensions

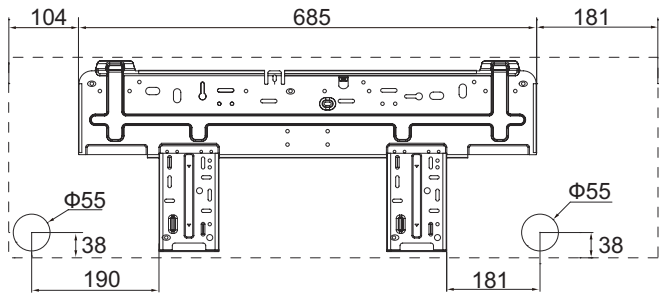
3.1 Indoor Unit



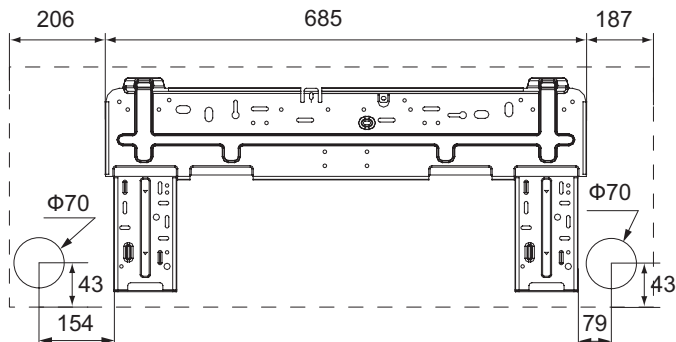
LM009CI-100T432-1



LM012CI-100T432-1



LM018CI-100T432-1



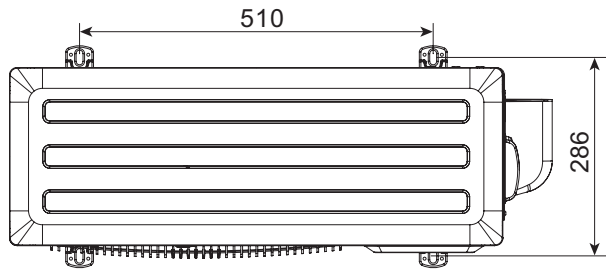
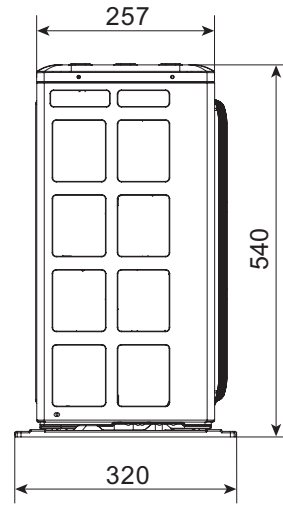
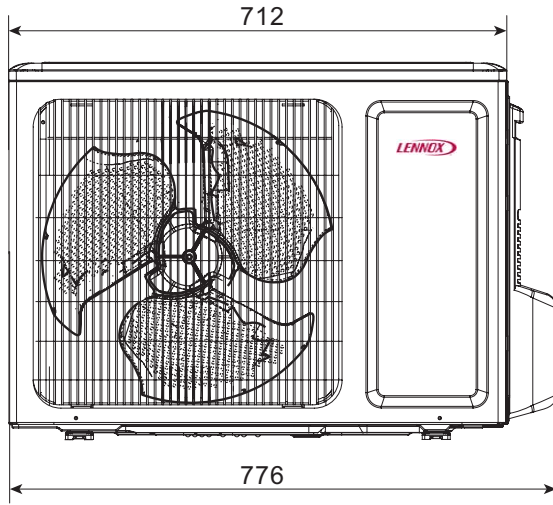
LM024CI-100T432-1

Unit:mm

Model	W	H	D
LM009CI-100T432-1	790	275	200
LM012CI-100T432-1	845	289	209
1LM018CI-100T432-1	970	300	224
1LM024CI-100T432-1	1078	325	246

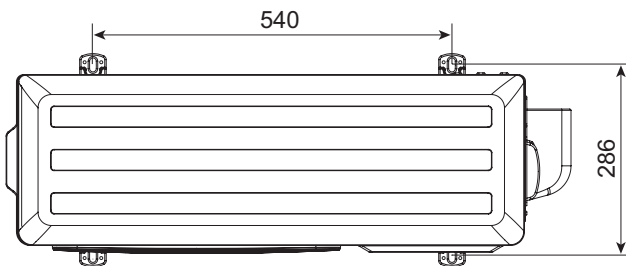
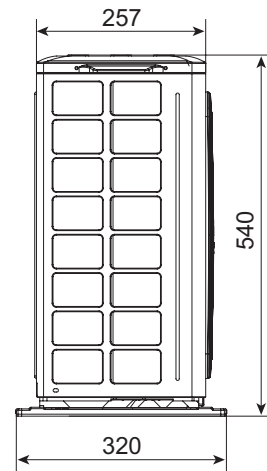
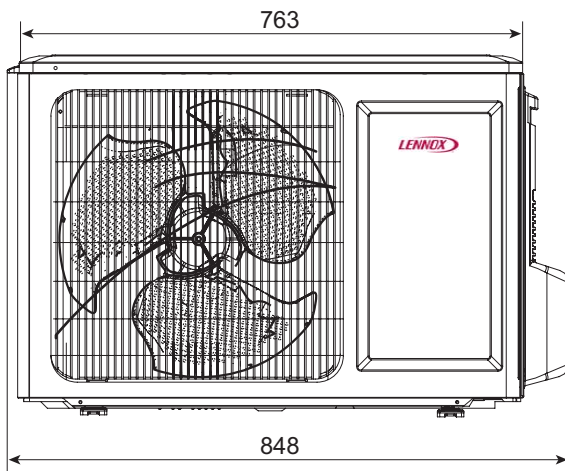
3.2 Outdoor Unit

LM009CO-100T432-1



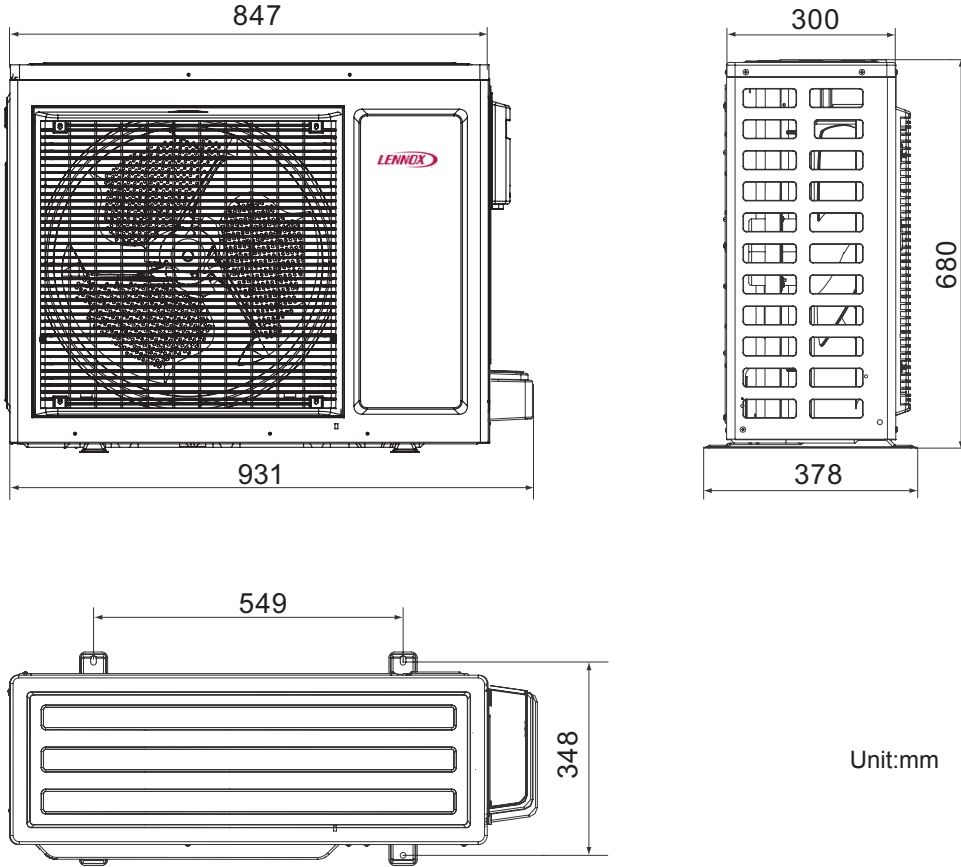
Unit:mm

LM012CO-100T432-1



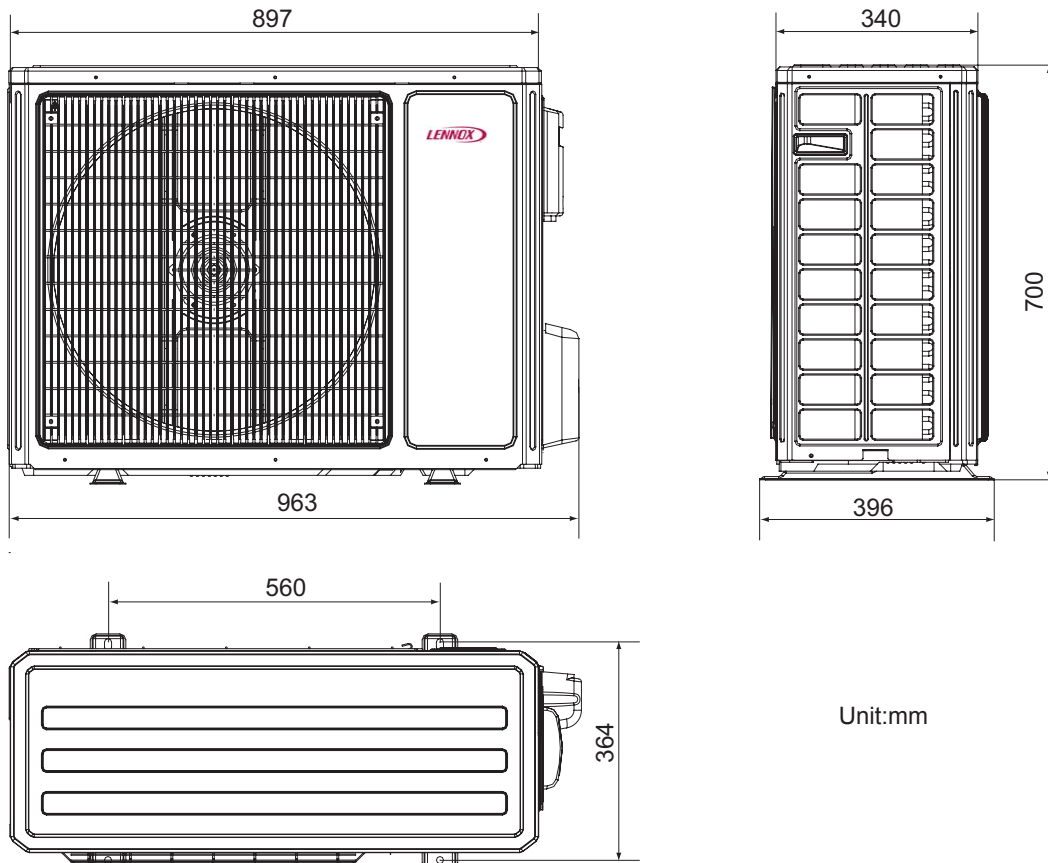
Unit:mm

LM018CO-100T432-1



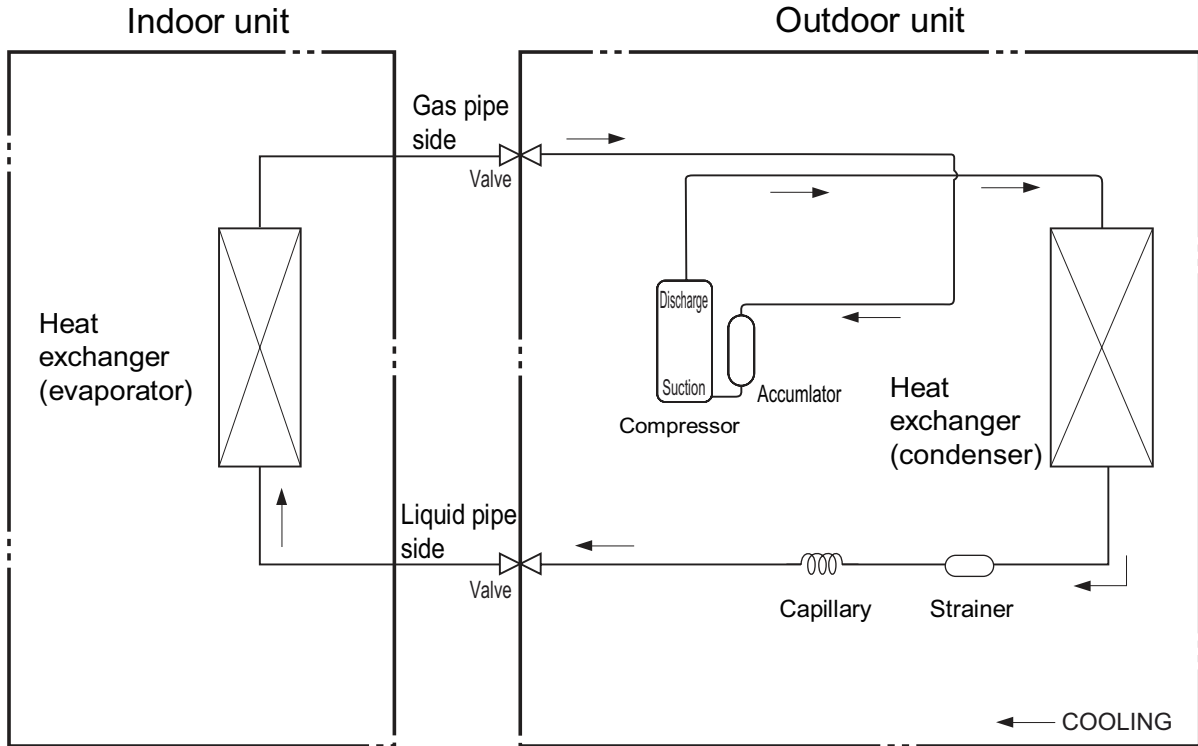
Unit:mm

LM024CO-100T432-1



Unit:mm

4. Refrigerant System Diagram



Connection pipe specification:

Liquid pipe: 1/4" (6mm)

Gas pipe: 3/8" (9.52mm)(LM009CI-100T432-1 LM009CO-100T432-1)

Gas pipe: 1/2" (12mm)(all models except LM009CI-100T432-1 LM009CO-100T432-1)

5. Electrical Part

5.1 Wiring Diagram

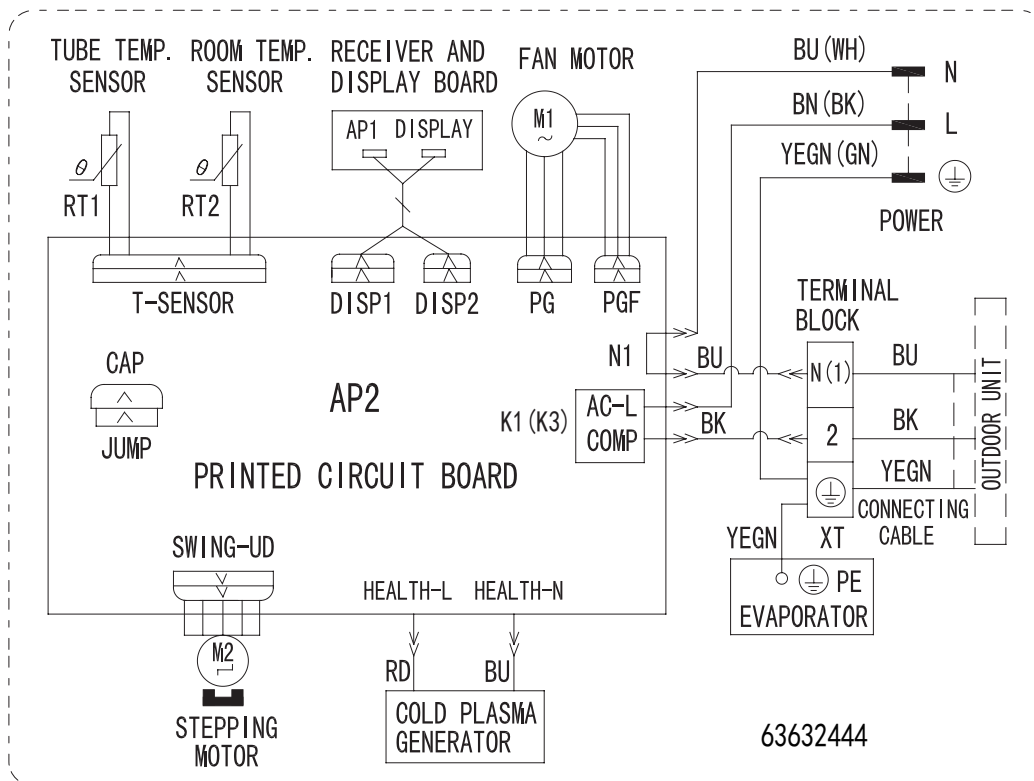
• Instruction

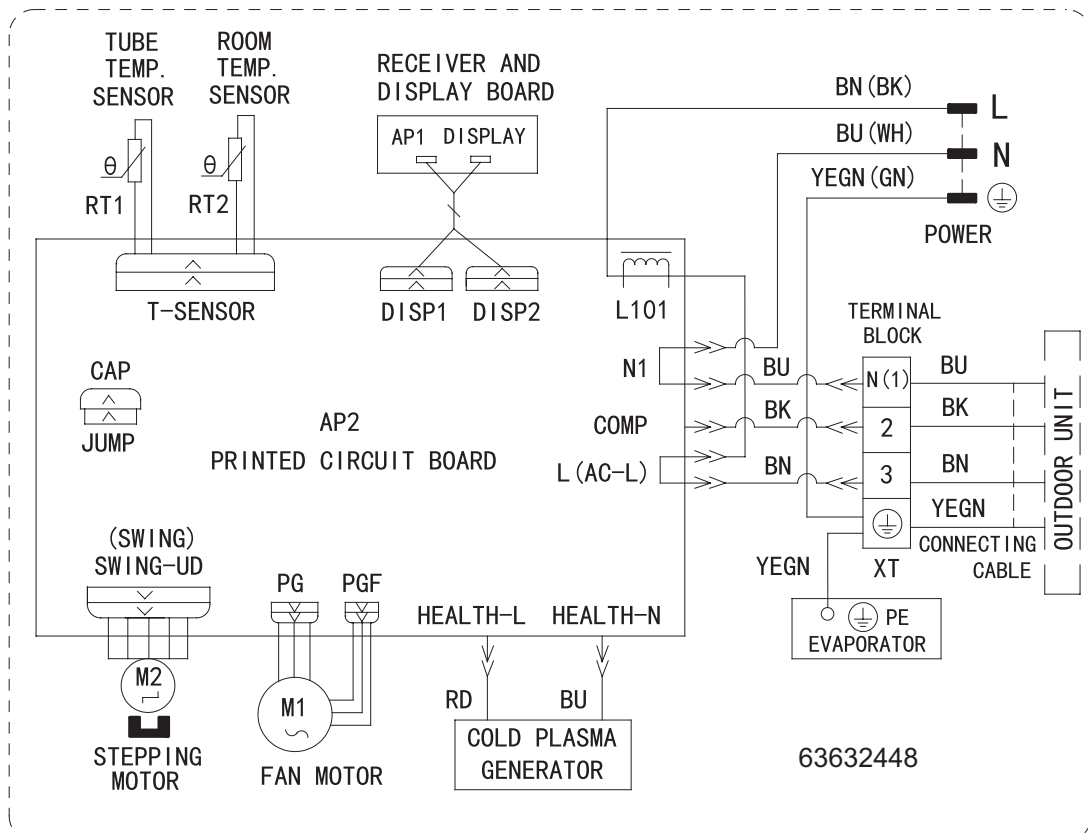
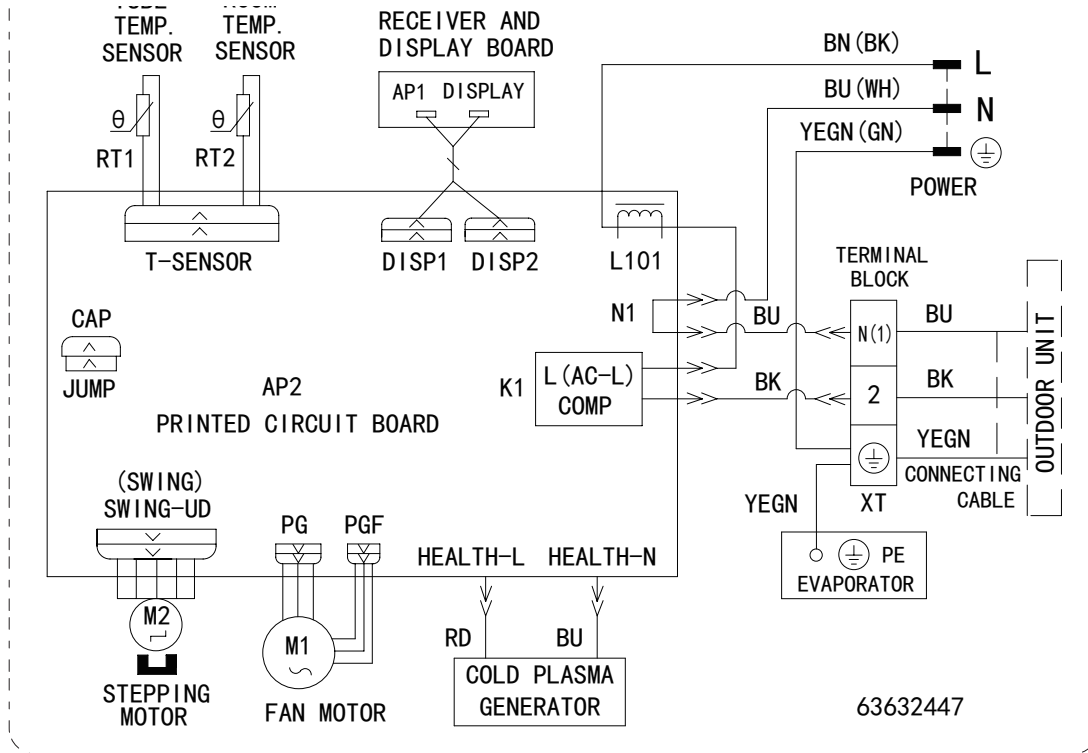
Symbol	Symbol Color	Symbol	Symbol Color	Symbol	Name
WH	White	GN	Green	CAP	Jumper cap
YE	Yellow	BN	Brown	COMP	Compressor
RD	Red	BU	Blue	⊕	Grounding wire
YEGN	Yellow/Green	BK	Black	/	/
VT	Violet	OG	Orange	/	/

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

• Indoor Unit

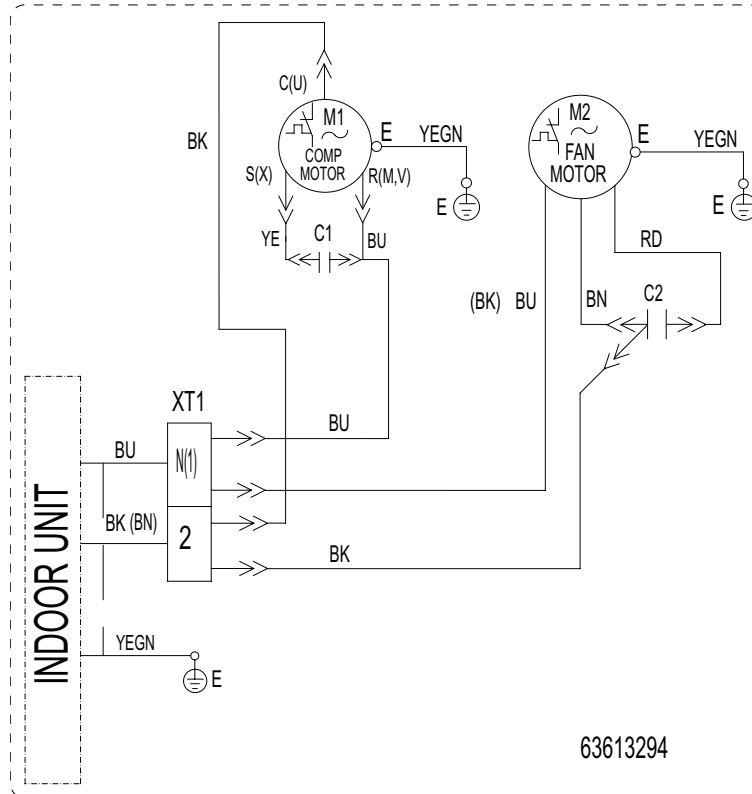
LM009CI-100T432-1 LM012CI-100T432-1



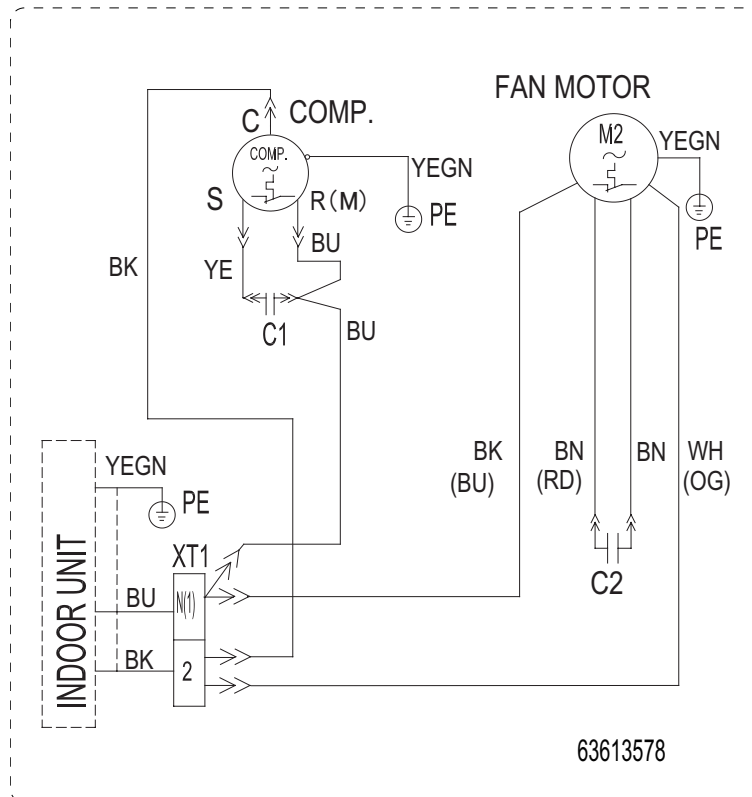


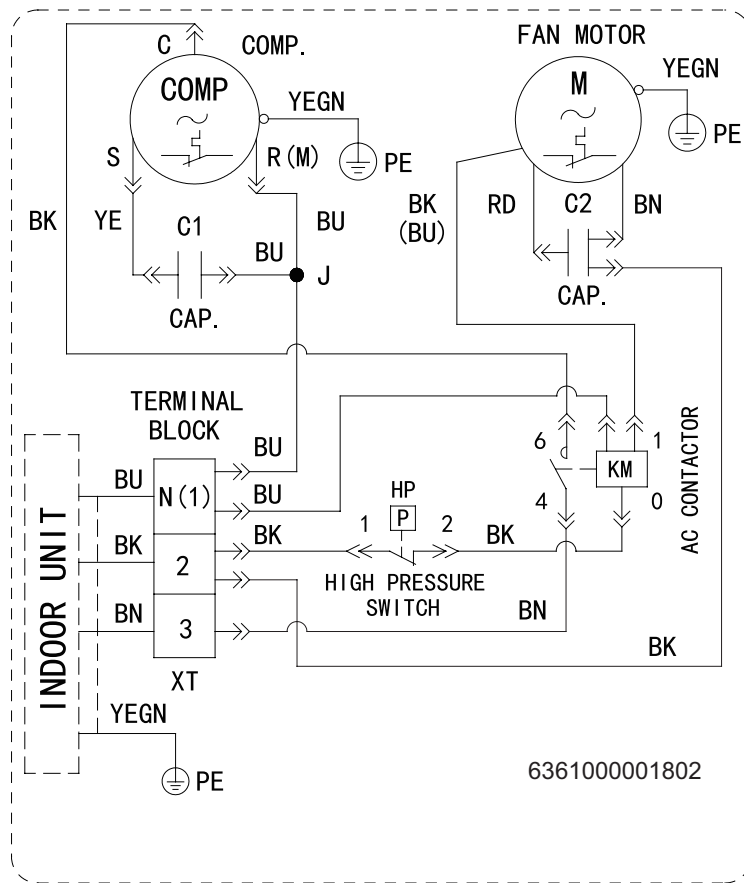
● Outdoor Unit

LM009CO-100T432-1 LM012CO-100T432-1



LM018CO-100T432-1





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