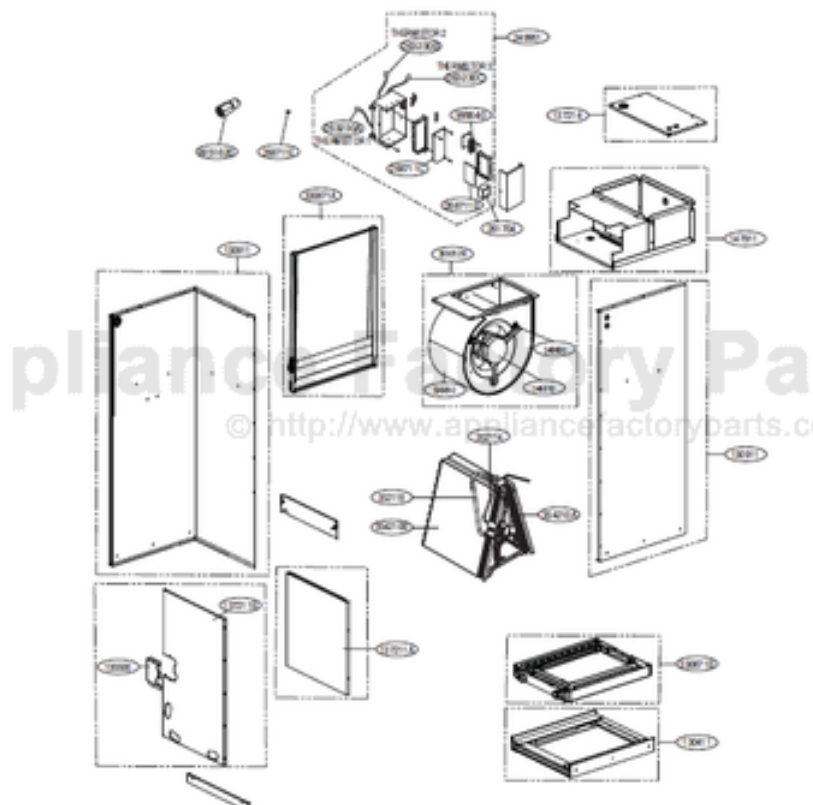


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# LG LMVN240HV Owner's Manual

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<http://biz.lgservice.com>

# Air Conditioner

## SVC MANUAL(Exploded View)

**Type : Vertical Air Handling Unit**

**MODEL : AMNW24GNJA0 [LMVN240HV]  
AMNW36GNJA0 [LMVN360HV]**

### **CAUTION**

Before Servicing the unit, read the safety precautions in General SVC manual.  
Only for authorized service personnel.

# 1. Specification

Model Name			AMNW24GNJA0 [LMVN240HV]	AMNW36GNJA0 [LMVN360HV]
Power Supply		V, Ø, Hz	208/230, 1, 60 220, 1, 60	208/230, 1, 60 220, 1, 60
Capacity	Nominal	kW Class	7.03	10.6
	Nominal	Btu/h Class	24,000	36,000
Casing Color		-	Morning fog	Morning fog
Dimensions	Body	W x H x D	mm	457 x 1236 x 540
		W x H x D	inch	18 x 48-21/32 x 21-1/4
Net Weight	Body	kg (lbs)	53 (117)	55 (121)
Heat Exchanger	(Row x Column x Fins per inch) x No.		-	(2 x 24 x 18) x 2
	Face Area		m <sup>2</sup> (ft <sup>2</sup> )	0.22 (2.37) x 2
Fan	Type		-	Sirocco Fan
	Air Flow Rate (0.3 inch)	H / M / L	ft <sup>3</sup> /min	20.1 / 18.1 / 13.6
		H / M / L	ft <sup>3</sup> /min	710 / 640 / 480
	Air Flow Rate (0.5 inch)	H / M / L	ft <sup>3</sup> /min	20.1 / 18.1 / 13.6
H / M / L		ft <sup>3</sup> /min	710 / 640 / 480	
Fan Motor	Type		-	BLDC
	Output		W x No.	96 x 1
	Running Current		A	0.59
Sound Pressure Level (0.3 inch ESP)	H / M / L	dB(A)	43 / 42 / 41	45 / 44 / 43
Sound Power Level	Cooling	dB(A)	-	-
Piping Connections	Liquid		mm(inch)	6.35 (1/4)
	Gas		mm(inch)	12.7 (1/2)
	Drain_Primary (I.D.)		mm(inch)	19.05 (3/4FPT)
	Drain_Secondary (I.D.)		mm(inch)	19.05 (3/4FPT)
Air Filter		-	-	-
Safety Devices		-	Fuse	Fuse
		-	Thermal Protector for Fan Motor	Thermal Protector for Fan Motor
Power and Communication Cable (included Earth)		No. x AWG	4C x 18	4C x 18

**Notes:**

- All data are based on the following conditions
  - Cooling Temperature : Indoor 27°C(80.6°F) DB / 19°C(66.2°F) WB  
Outdoor 35°C(95°F) DB / 24°C(75.2°F) WB
  - Heating Temperature : Indoor 20°C(68°F) DB / 15°C(59°F) WB  
Outdoor 7°C(44.6°F) DB / 6°C(42.8°F) WB
  - Piping Length : Interconnected Pipe Length = 7.5m
  - Difference Limit of Elevation (Outdoor ~ Indoor Unit) is Zero.
- Wiring cable size must comply with the applicable local and national code.
- Due to our policy of innovation some specifications may be changed without notification.
- Sound measured at 1m(3.3ft) away from the center of the unit.  
The values depends on the ambient conditions and values are normally higher in actual operation.

## 2. List of Functions

Category	Functions	AMNW24GNJA0 [LMVN240HV] AMNW36GNJA0 [LMVN360HV]
Air flow	Air supply outlet	1
	Airflow direction control (left & right)	X
	Airflow direction control (up & down)	X
	Auto swing (left & right)	X
	Auto swing (up & down)	X
	Airflow steps (fan/cool/heat)	3 / 3 / 3
	Chaos wind(auto wind)	X
	Jet cool/heat	X / X
	Swirl wind	X
Air purifying	Triple filter (Deodorizing)	X
	Plasma air purifier	X
	Allergy Safe filter	X
	Long-life prefilter (washable / anti-fungus)	X
Installation	Drain pump	X
	E.S.P. control	O
	Electric heater	ANEH053B1(5kW) / ANEH103B2(10kW)
	High ceiling operation	X
	Auto Elevation Grille	X
Reliability	Hot start	O
	Self diagnosis	O
	Soft dry operation	O
Convenience	Auto changeover	X
	Auto cleaning	X
	Auto operation(artificial intelligence)	O
	Auto Restart	O
	Child lock	O
	Forced operation	X
	Group control	O
	Sleep mode	O
	Timer(on/off)	O
	Timer(weekly)	O
Individual control	Standard Wired remote controller	PREMTB10U
	Deluxe wired remote controller	X
	Simple wired remote controller	O
	Simple Wired remote controller(for hotel use)	X
	Wireless remote controller*	PQWRHQ0FDB
Network function	General central controller (Non LGAP)	X
	Network Solution(LGAP)	O
	Dry contact	PQDSA(1) / PQDSB(1) / PQDSBC / PQDSBNGCM1
	PI 485(for Indoor Unit)	X
Special function kit	Zone controller	X
	CTI(Communication transfer interface)	X
	Electronic thermostat	X
Others	Remote temperature sensor	PQRSTA0
	Group control wire	PZCWRCG3
	Telecom shelter controller	X

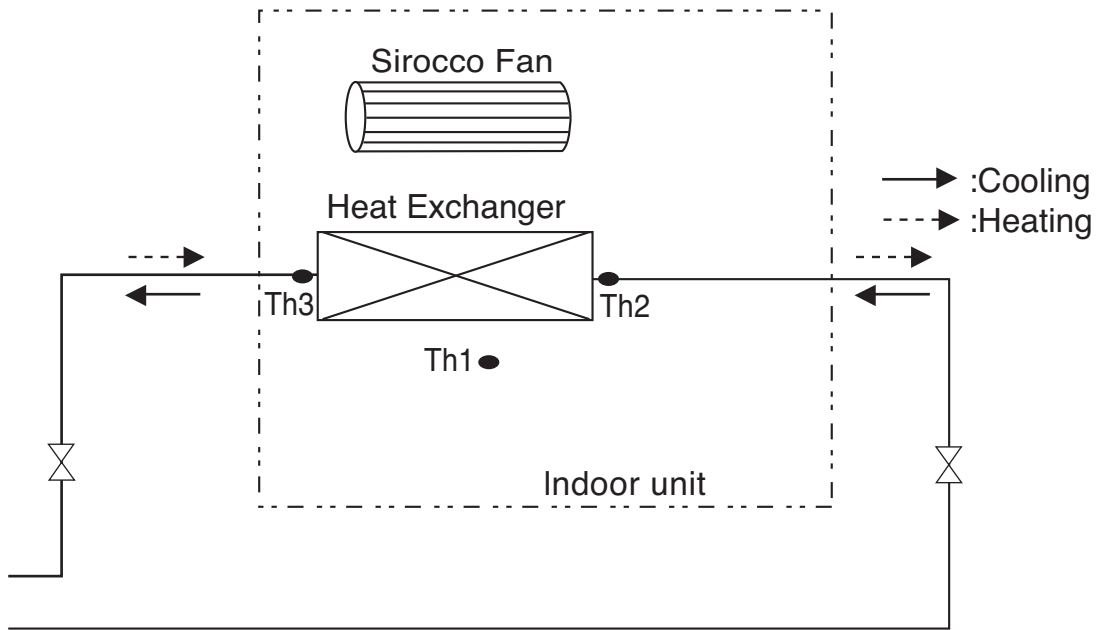
### Note

1. \* : These functions need to connect the wired remote controller.

O : Applied      X : Not applied

Accessory model name : Installed at field, ordered and purchased separately by the corresponding model name, supplied with separate package.

### 3. Piping Diagrams



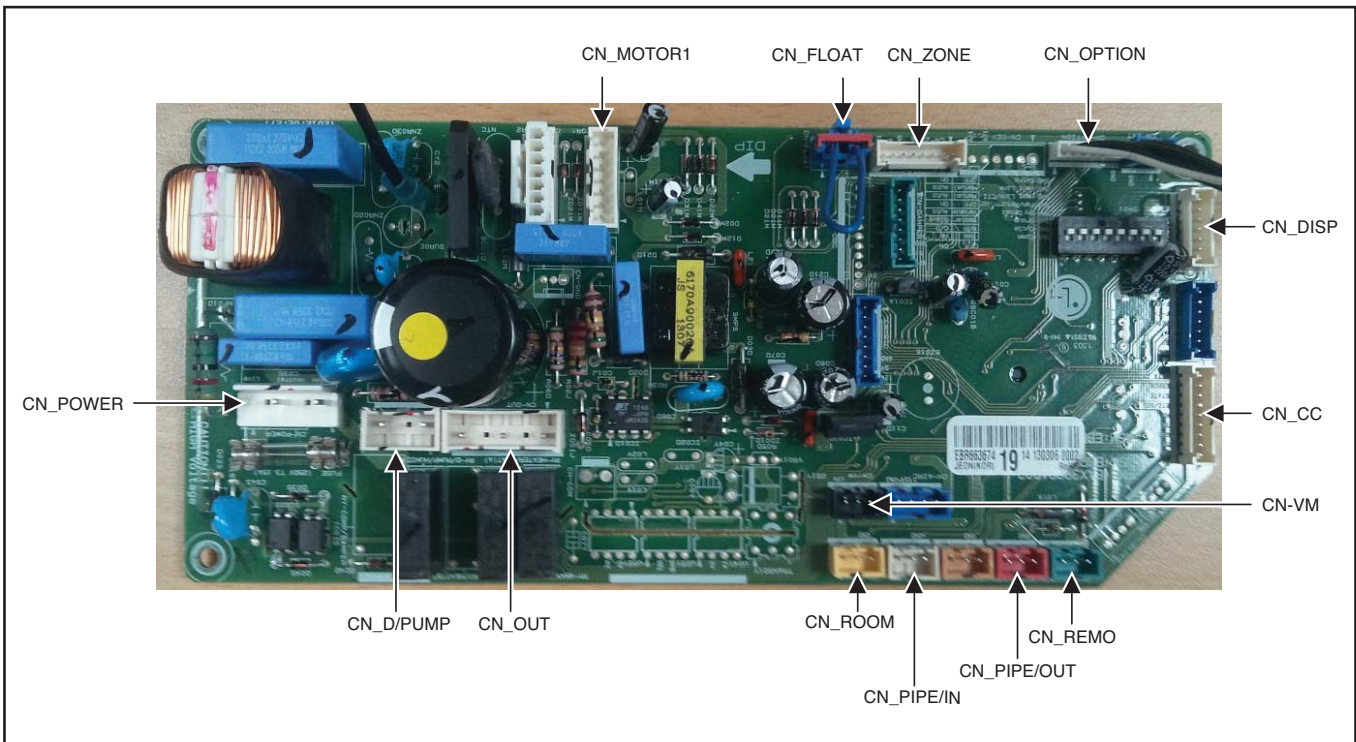
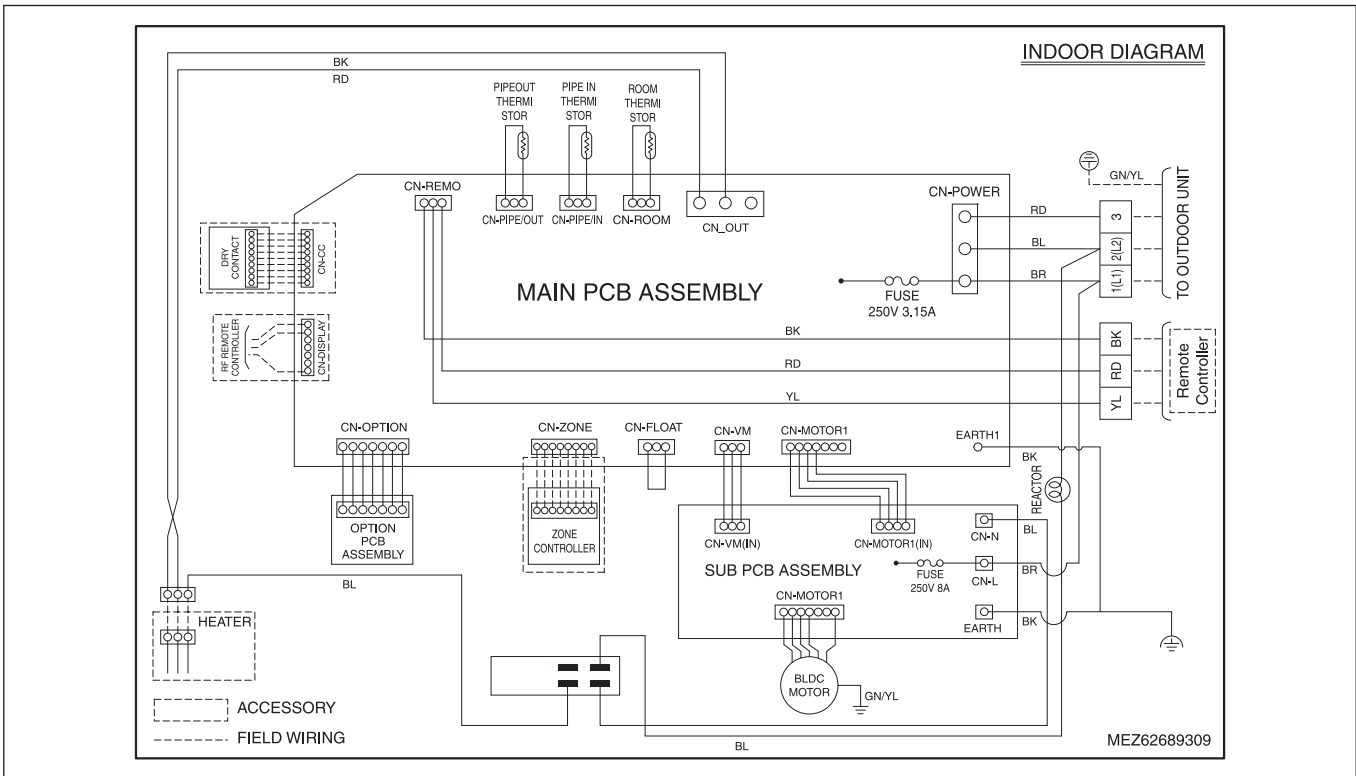
Refrigerant pipe connection port diameter

[Unit: mm(inch)]

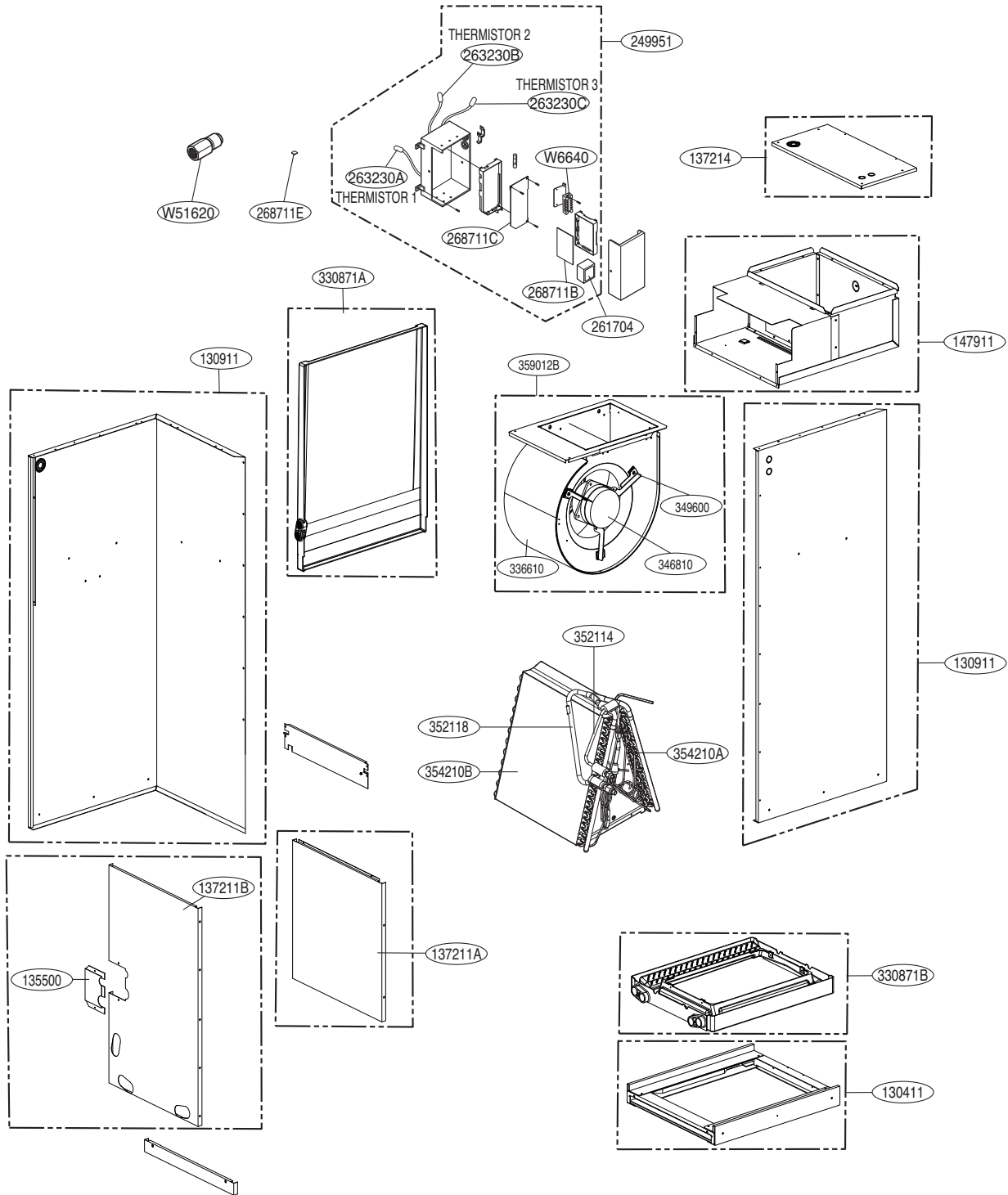
Model	Gas	Liquid
AMNW24GBGA0 [LMHN240HV]	Ø12.7(1/2)	Ø6.35(1/4)
AMNW36GBGA0 [LMHN360HV]	Ø15.88(5/8)	Ø9.52(3/8)

LOC.	Description
Th1	Room thermistor
Th2	Pipe in thermistor
Th3	Pipe out thermistor

# 4. Wiring Diagrams



5. Exploded View



Thermistor 1	263230A	Pipe Out thermistor	Housing Color : Red
Thermistor 2	263230B	Pipe In thermistor	Housing Color : White
Thermistor 3	263230C	Inlet Air Thermistor	Housing Color : Brown



P/NO : MFL67523121

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