



America's Premier Climate Comfort Brand since 1895

Submittal:

Models:

LXGIUHMD012130T4 / LXGISHMD012130T4
LXGIUHMD018130T4 / LXGISHMD018130T4
LXGIUHMD024130T4 / LXGISHMD024130T4
LXGIUHMD030130T4 / LXGISHMD030130T4
LXGIUHMD036130T4 / LXGISHMD036130M4
LXGIUHMD048130T4 / LXGISHMD048130M4
LXGIUHMD060130M4 / LXGISHMD060130M4

(Refrigerant R410A)

Thank you for selecting LENNOX air conditioners.

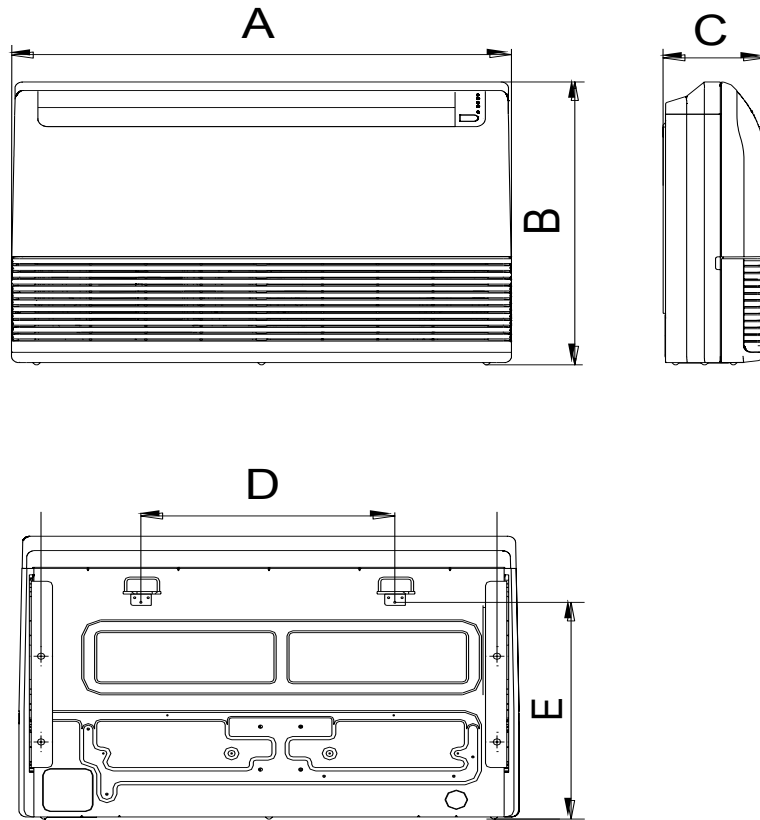
1. Specifications

Model			LXG IUHMD012130T4	LXG IUHMD018130T4	LXG IUHMD024130T4
Code			Y5692	Y5693	Y5694
Power supply		V-ph-Hz	220~240-1-50	220~240-1-50	220~240-1-50
Cooling	Capacity	Btu/h	12000	18000	23700
	Capacity range	BTU/H	4777-13648	5561-19278	5561-26955
	Input	W	1030	1620	2140
	Current	A	4.71	7.41	9.79
	EER	W/W	3.41	3.26	3.25
Heating	Capacity	Btu/h	13000	19000	25000
	Capacity Range	BTU/H	4780-16200	4947-20984	5971-29343
	Input	W	1050	1540	1990
	Current	A	4.8	7.05	9.11
COP	W/W	3.63	3.62	3.68	
Indoor fan motor	Motor Model		YSK25-6L	YSK55-4L	YSK55-4L
	Qty		1	1	1
	Input	W	33.4/31.1/29.5	125/105/85	125/105/85
	Capacitor	uF	1.5UF/450V	2.5UF/450V	2.5UF/450V
	Speed(Hi/Med/Lo)	r/min	756/666/592	1310/1190/1040	1310/1190/1040
Indoor coil	Number of rows		2	3	3
	Tube pitch(a)x row pitch(b)	mm	21x13.37	21x13.37	25.4x22
	Fin spacing	mm	1.3	1.3	1.7
	Fin type		Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium
	Tube outside dia.and type	mm	Φ7,Inner groove tube	Φ7,Inner groove tube	Φ9.52, Inner grooved tube
	Coil length x height x width	mm	804x252x26.74	804x254x40.11	804x254x66
	Number of circuits		3	4	3
Indoor air flow(Hi/Med/Lo)	m ³ /h	584/518/463	800/600/500	1000/900/700	
Indoor noise level (sound pressure)(Hi/Med/Lo)	dB(A)	40/37/33	43/41/38	45/43/40	
Throttle type		/	/	/	
Indoor unit	Dimension (WxDxH)	mm	990x660x203	990x660x203	990x660x203
	Packing (WxDxH)	mm	1090x745x297	1090x745x297	1090x745x297
	Net/Gross weight	kg	25/30	24/30	24/30.5
Design pressure	MPa	4.2/1.5	4.2/1.5	4.2/1.5	
Drainage water pipe diameter	mm	ODΦ25	ODΦ25	ODΦ25	
Refrigerant piping	Liquid side/Gas side	mm	Φ6.35/Φ12.7(1/4"/1/2")	Φ6.35/Φ12.7(1/4"/1/2")	Φ9.52/Φ15.9(3/8"/5/8")
Controller			Wireless	Wireless	Wireless
Operation temperature	Cooling	°C	≥17	≥17	≥17
	Heating	°C	≤30	≤30	≤30

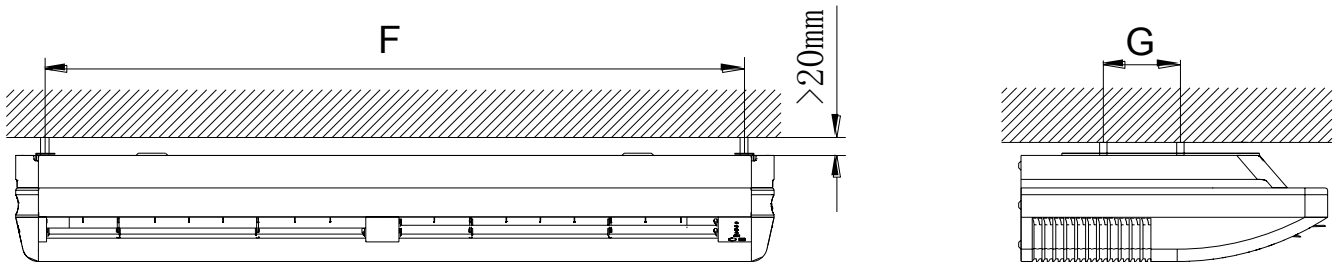
Model			LXG IUHMD030130T4	LXG IUHMD036130T4	LXG IUHMD048130T4	LXGIUHMD06013M4
Code			Y5695	Y5696	Y5697	Y5698
Power supply		V-ph-Hz	220~240-1-50	220~240-1-50	220~240-1-50	220~240-1-50
Cooling	Capacity	Btu/h	28500	36000	47000	55000
	Capacity range	BTU/H	7506-32414	10236-45038	11601-53227	14501-57322
	Input	W	2580	3290	4290	5040
	Current	A	11.8	15.1	7.4	8.7
	EER	W/W	3.24	3.21	3.21	3.2
Heating	Capacity	Btu/h	32000	40000	50000	58000
	Capacity Range	BTU/H	8870-37532	12090-47765	14330-56300	16300-61400
	Input	W	2560	3250	3800	4680
	Current	A	11.7	14.9	6.6	8.1
COP	W/W	3.66	3.61	3.86	3.63	
Indoor fan motor	Motor Model		YSK80-4A-2	YSK125-4C	YSK85-4C	YSK85-4C
	Qty		1	1	2	2
	Input	W	159/142/130	148/131/122	120/110/105	120/110/105
	Capacitor	uF	3.5UF/450V	4.5uF/450V	2.5uF/450V	2.5uF/450V
	Speed(Hi/Med/Lo)	r/min	1290/1170/1060	1370/1300/1225	1315/1200/1120	1315/1200/1120
Indoor coil	Number of rows		3	3	3	3
	Tube pitch(a)x row pitch(b)	mm	25.4x22	25.4x22	21x13.37	21x13.37
	Fin spacing	mm	1.7	1.7	1.3	1.3
	Fin type		Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium
	Tube outside dia.and type	mm	Φ9.52, Inner grooved tube	Φ9.52, Inner grooved tube	Φ7,Inner groove tube	Φ7,Inner groove tube
	Coil length x height x width	mm	1094x254x66	1094x254x66	1300x294x40.11	1300x294x40.11
	Number of circuits		5	5	8	8
Indoor air flow(Hi/Med/Lo)	m ³ /h	1200/1000/800	1400/1200/1000	2300/1900/1700	2300/1900/1700	
Indoor noise level (sound pressure)(Hi/Med/Lo)	dB(A)	45/43/40	45/43/40	56/52/49	54/49/46	
Throttle type		/	/	/	/	
Indoor unit	Dimension (WxDxH)	mm	1280x660x203	1280x660x203	1650x675x235	1650x675x235
	Packing (WxDxH)	mm	1380x745x297	1380x745x297	1725x755x313	1725x755x313
	Net/Gross weight	kg	31/37	31/37	38/44	38/44
Design pressure	MPa	4.2/1.5	4.2/1.5	4.2/1.5	4.2/1.5	
Drainage water pipe diameter	mm	ODΦ25	ODΦ25	ODΦ25	ODΦ25	
Refrigerant piping	Liquid side/Gas side	mm	Φ9.52/Φ15.9(3/8"/5/8")	Φ9.52/Φ15.9(3/8"/5/8")	Φ9.52/Φ15.9(3/8"/5/8")	Φ9.52/Φ15.9(3/8"/5/8")
Controller			Wireless	Wireless	Wireless	
Operation temperature	Cooling	°C	≥17	≥17	17~32	17~32
	Heating	°C	≤30	≤30	0~30	0~30

2. Dimensions

a. Wall mounting installation



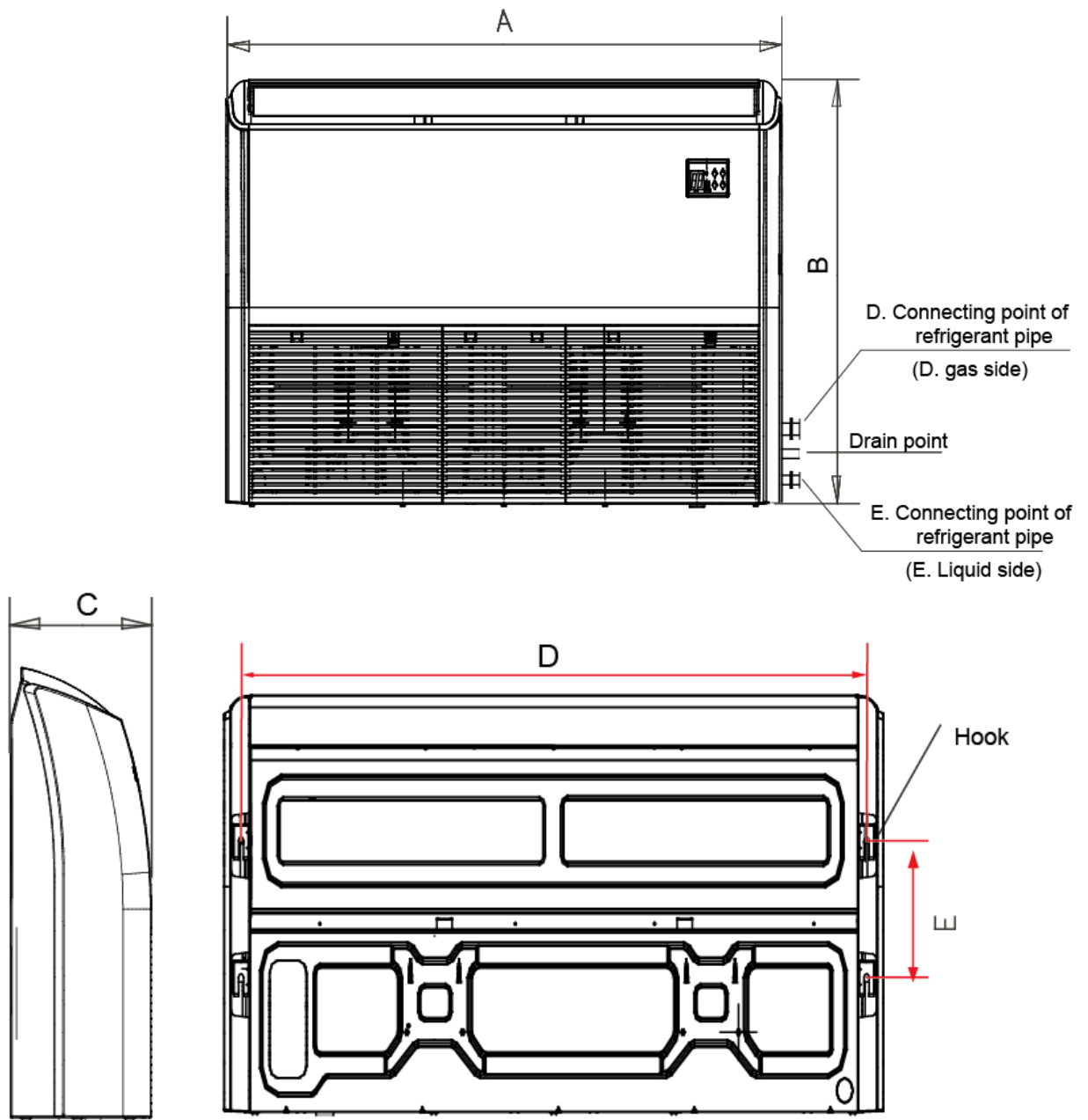
b. Ceiling installation



Capacity (Btu/h)	A	B	C	D	E	F	G
12000-24000	990	660	203	505	506	907	200
36000	1280	660	203	795	506	1195	200

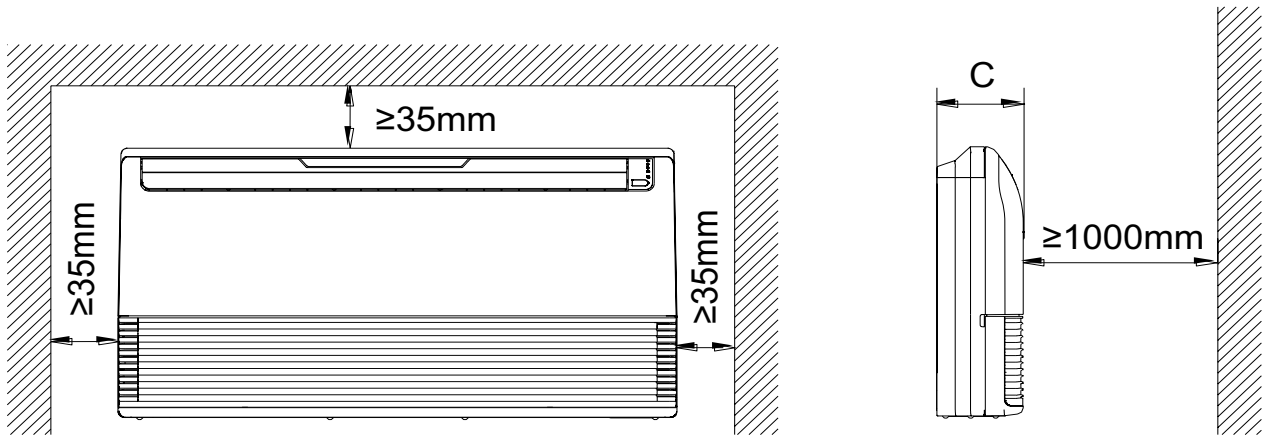
Notes:

The dimension of 30000 Btu/h and 36000 Btu/h are the same



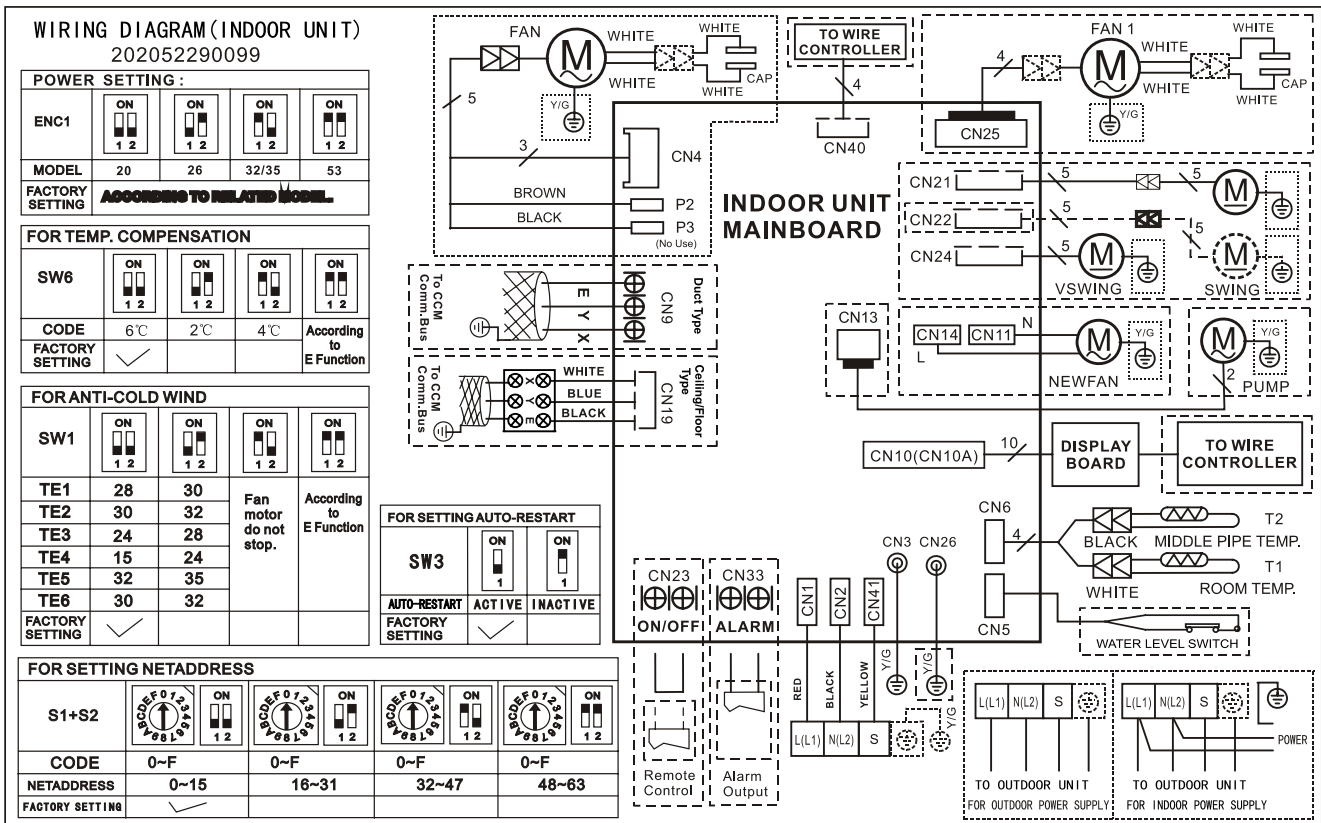
Capacity (Btu/h)	A	B	C	D	E
48K, 60K	1650	675	235	1565	220

3. Service Space

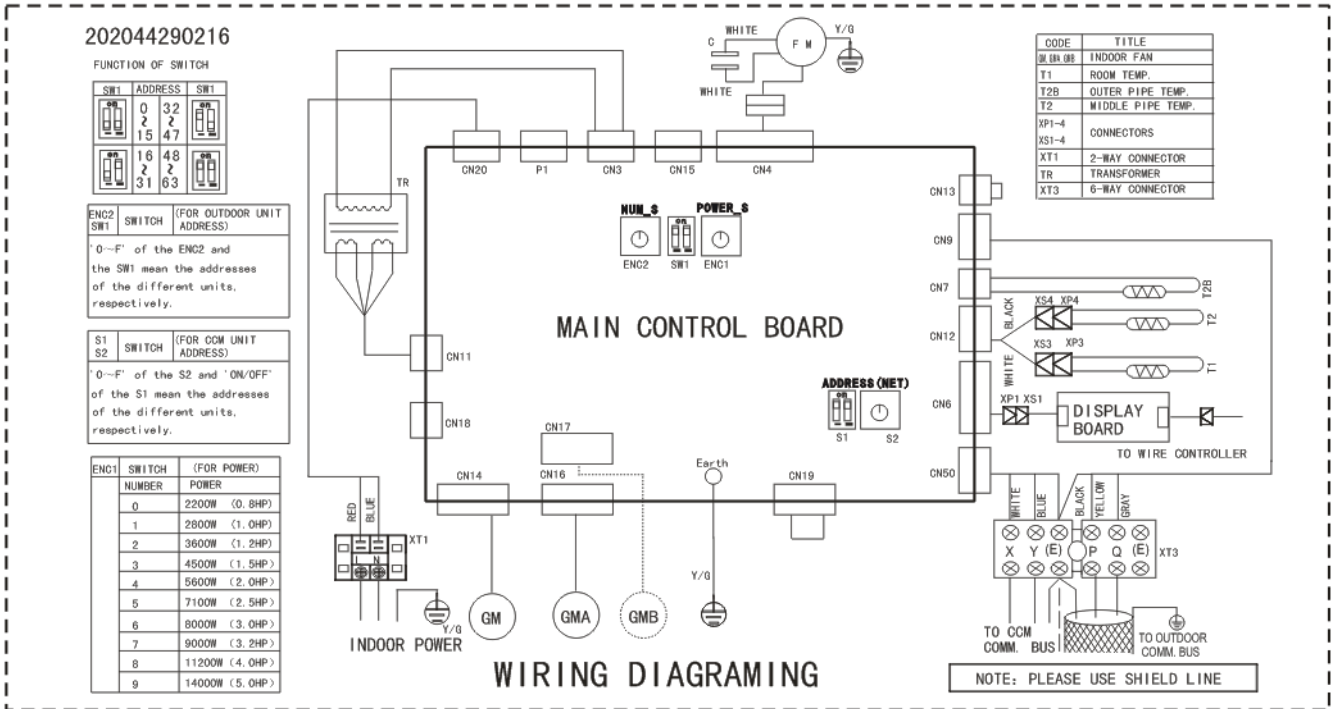


4. Wiring Diagrams

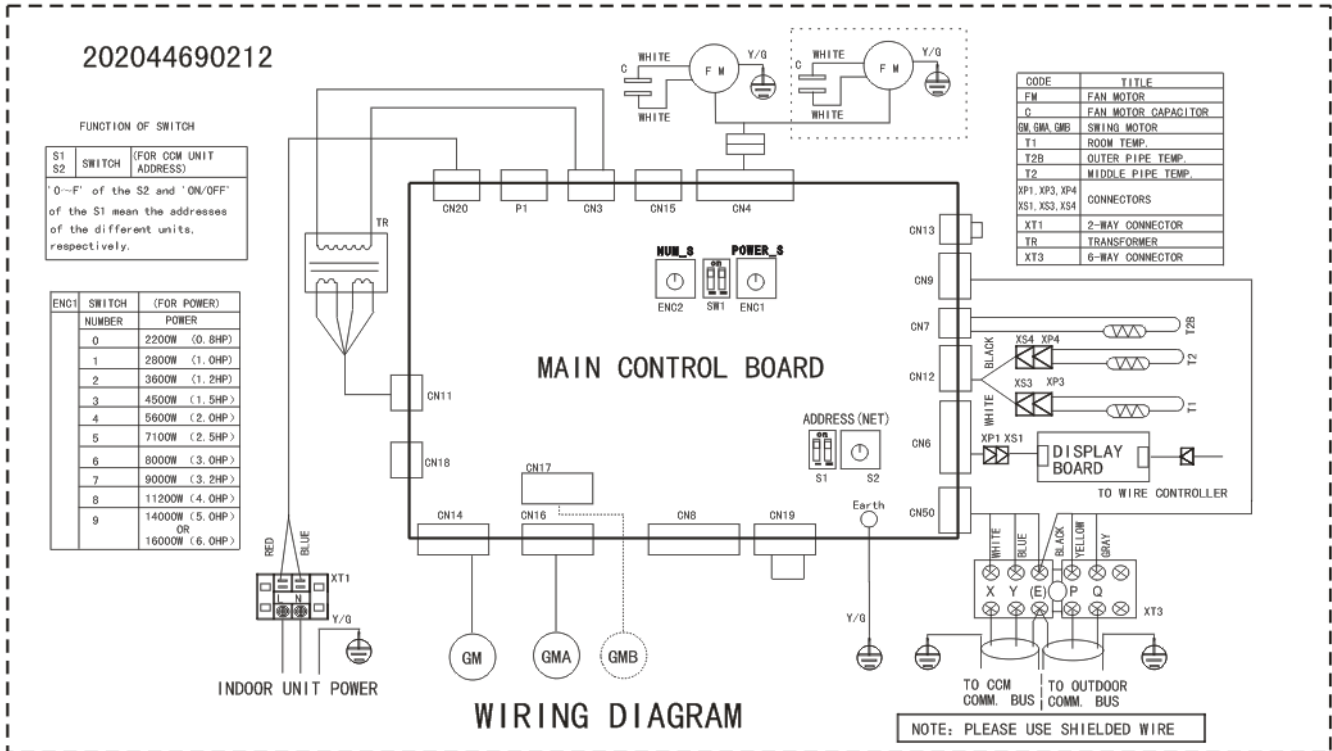
LXG IUHMD012130T4

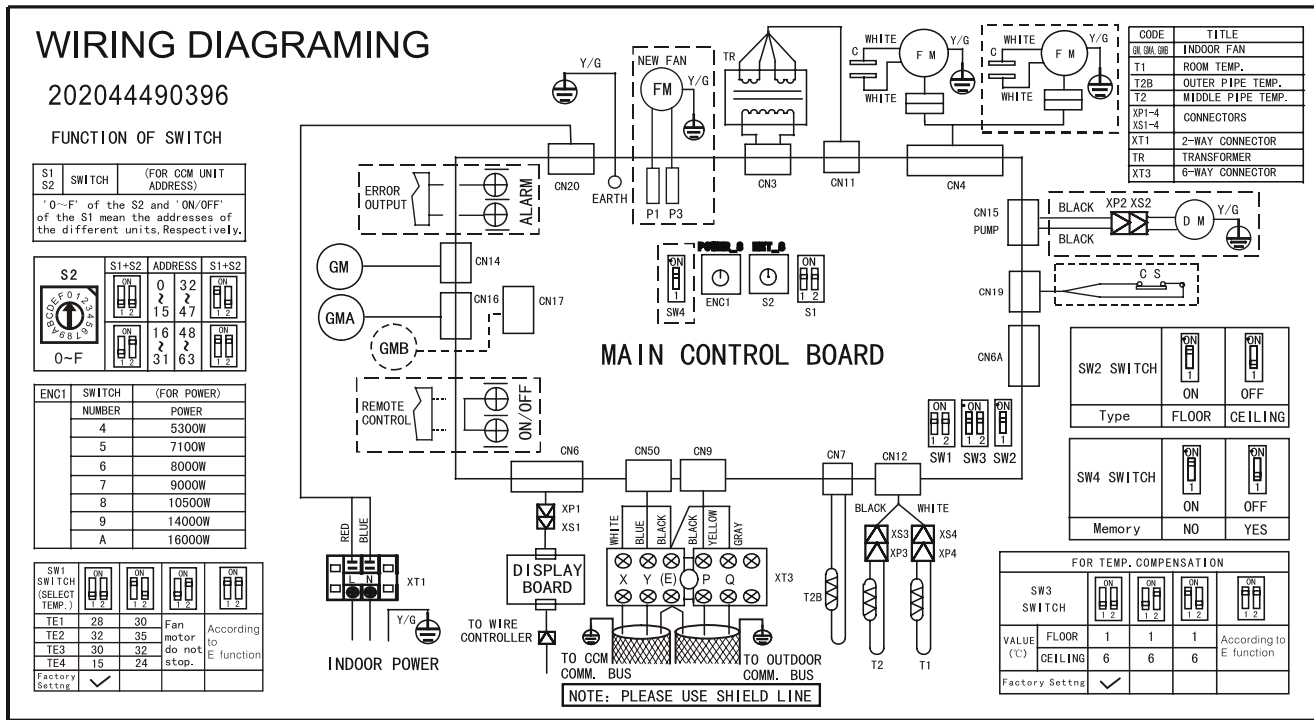


LXGIUHMD018130T4, LXGIUHMD024130T4



LXGIUHMD030130T4



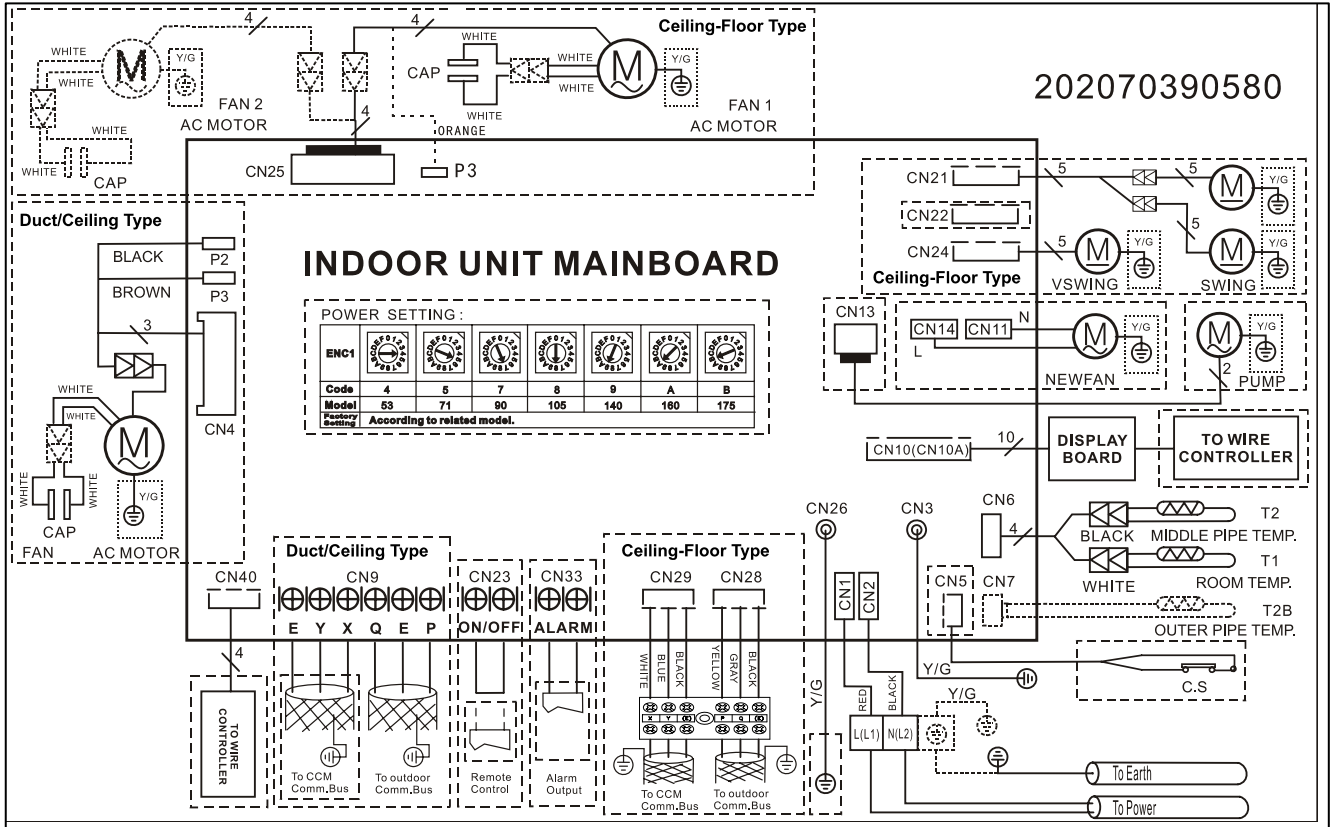


Remark:

- SW1: Temperature selection of anti-cold-air function
- SW2: Floor or Ceiling installation selection
- SW3: Temperature compensation selection. The default temperature compensation value is 1°C for floor installation and 6°C for ceiling installation, and can not be changed by the user. If the other temperature required, modification should be done in factory.
- SW4: Auto restart function selection

LXGIUHMD048130T4, LXGIUHMD06013M4

202070390580



For Setting NETAddress

S1+S2								
Code	0-F	00	0-F	01	0-F	10	0-F	11
NETAddress	0~15		16~31		32~47		48~63	
Factory Setting	✓							

For Setting POWER

ENC1							
Code	4	5	7	8	9	A	B
POWER	53	71	90	105	140	160	175
Factory Setting	According to related model.						

For Setting static pressure

ENC2					
Code	0	1	2	3	4
high static pressure	0~50	51~80	81~120	121~150	>150
Middle static pressure	0~25	26~37	38~50	51~100	>100
Factory Setting	✓				

SW1

SW1					
TE1	/	/	30	/	/
TE2	28	30	32	Fan motor do not stop.	
TE3	24	28		According to E Function	
TE4	15	24			
TE5	32	35			
TE6	30	32			
Factory Setting	✓				

For temp. compensation

SW6				
TYPE	/	/	/	/
DUCT TYPE	3°C	4°C	6°C	According to E Function
CEILING AND FLOOR TYPE	/	/	/	/
CEILING AND FLOOR TYPE	1°C	4°C	6°C	
For Setting CEILING TYPE or FLOOR TYPE	FLOOR TYPE	CEILING TYPE		
Factory Setting	✓			

FUNCTION SETTING INDICATION

202070590737

For Setting Fan Motor Control then No Power Request

SW2		
Mode	Fan OFF	Fan ON
Factory Setting	✓	

For Setting Auto-Restart

SW3		
Mode	ON	OFF
Factory Setting	✓	

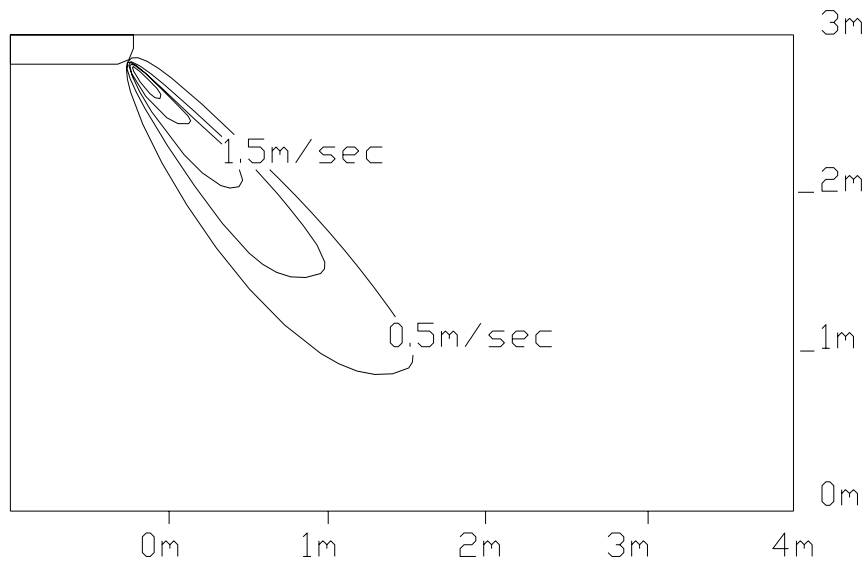
For Setting Fan Quantity (optional)

SW4		
Mode	Single Fan	Double Fan
Factory Setting	✓	

5. Air Velocity and Temperature Distributions(Reference Data)

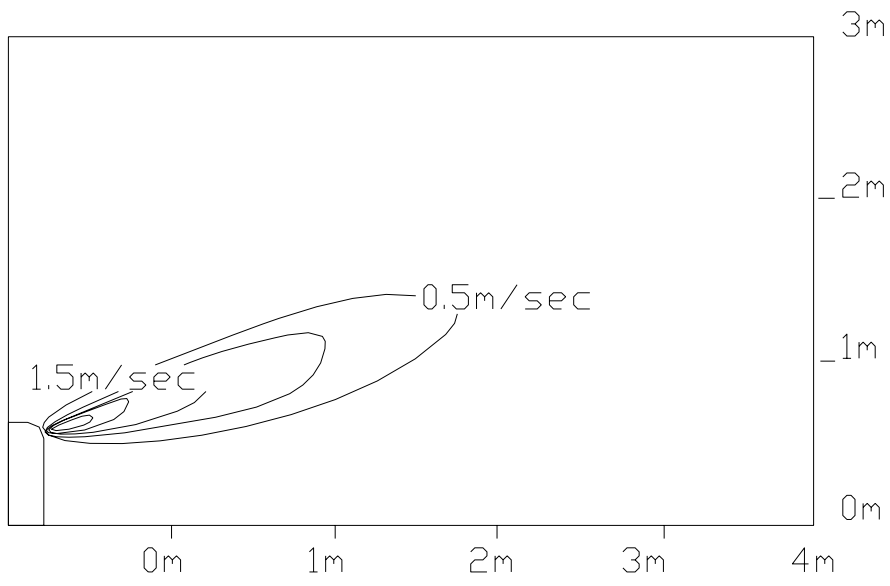
Discharge angle 60° (CEILING)

Airflow velocity

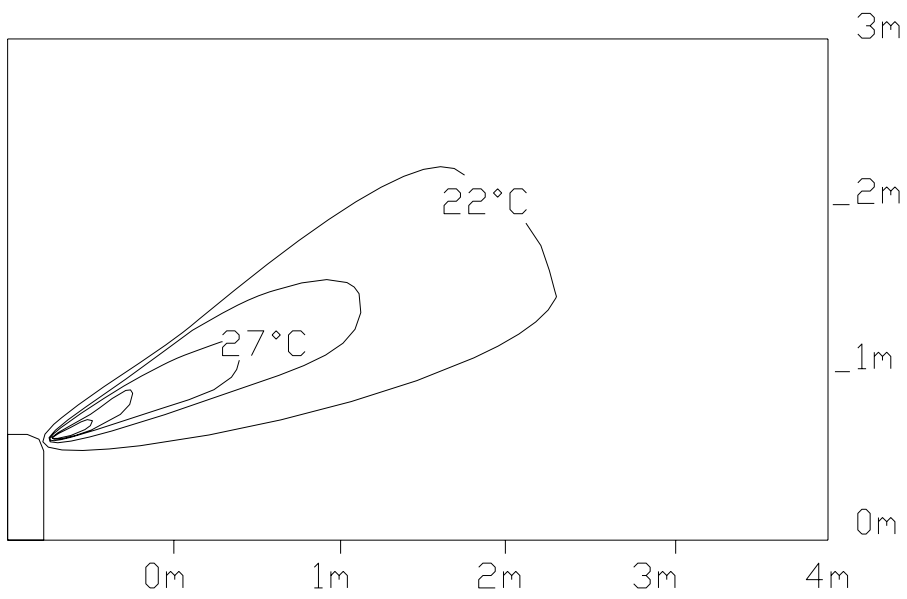


Discharge angle 60° (FLOOR)

Airflow velocity



Temperature



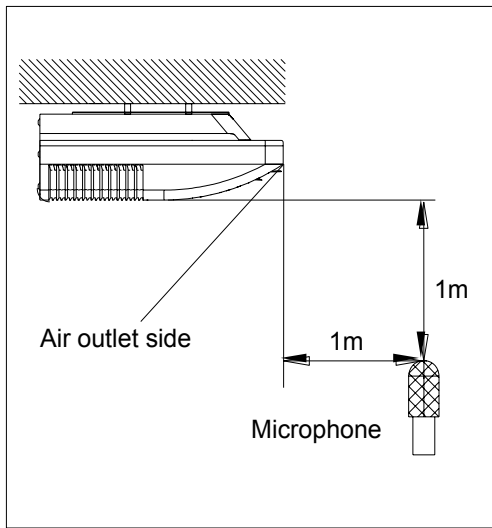
6. Electric Characteristics

Model	Indoor Unit				Power Supply
	Hz	Voltage	Min	Max	MFA
LXGIUHMD012130T4	50	220~240	198	254	20
LXGIUHMD018130T4	50	220~240	198	254	15
LXGIUHMD024130T4	50	220~240	198	254	15
LXGIUHMD030130T4	50	220~240	198	254	15
LXGIUHMD036130T4	50	220~240	198	254	15
LXGIUHMD048130T4	50	220~240	198	254	15
LXGIUHMD024130M4	50	220~240	198	254	15

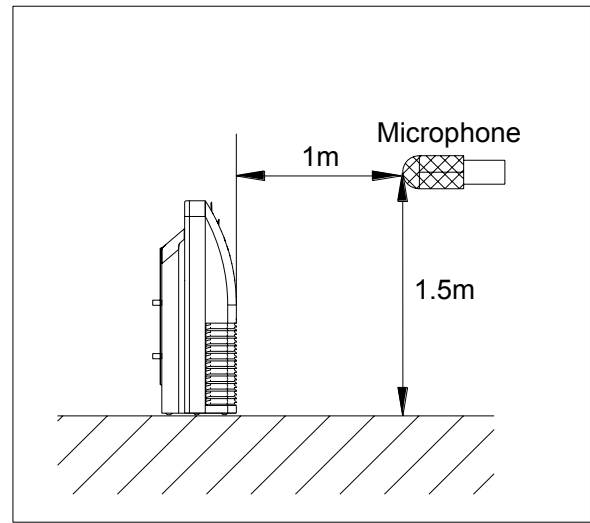
Note:

MFA: Max. Fuse Amps. (A)

7. Sound Levels



Ceiling



Floor

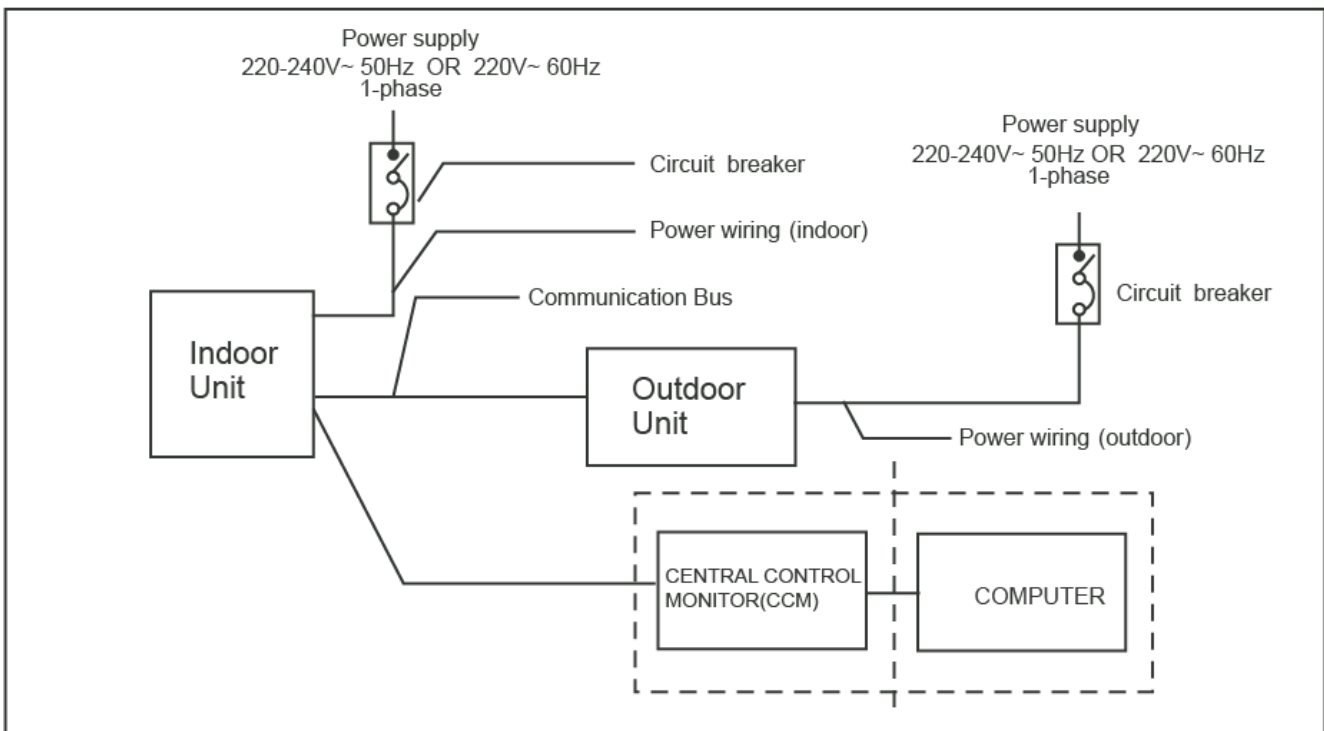
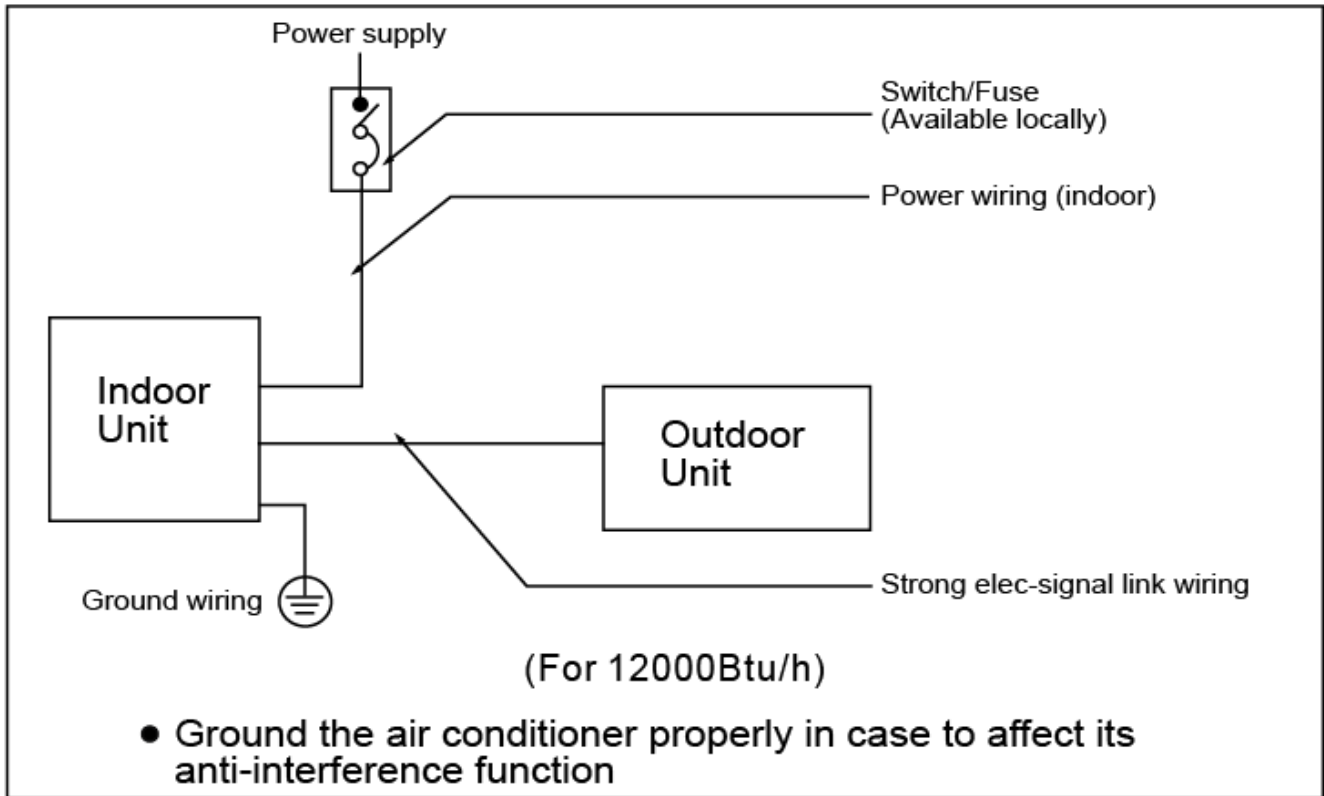
Model	Noise level dB(A)		
	H	M	L
LXGIUHMD012	40	37	33
LXGIUHMD018	43	41	38
LXGIUHMD024	45	43	40
LXGIUHMD030	45	43	40
LXGIUHMD036	45	43	40
LXGIUHMD048	54	52	48
LXGIUHMD060	54	49	46

8. The Specification of Power

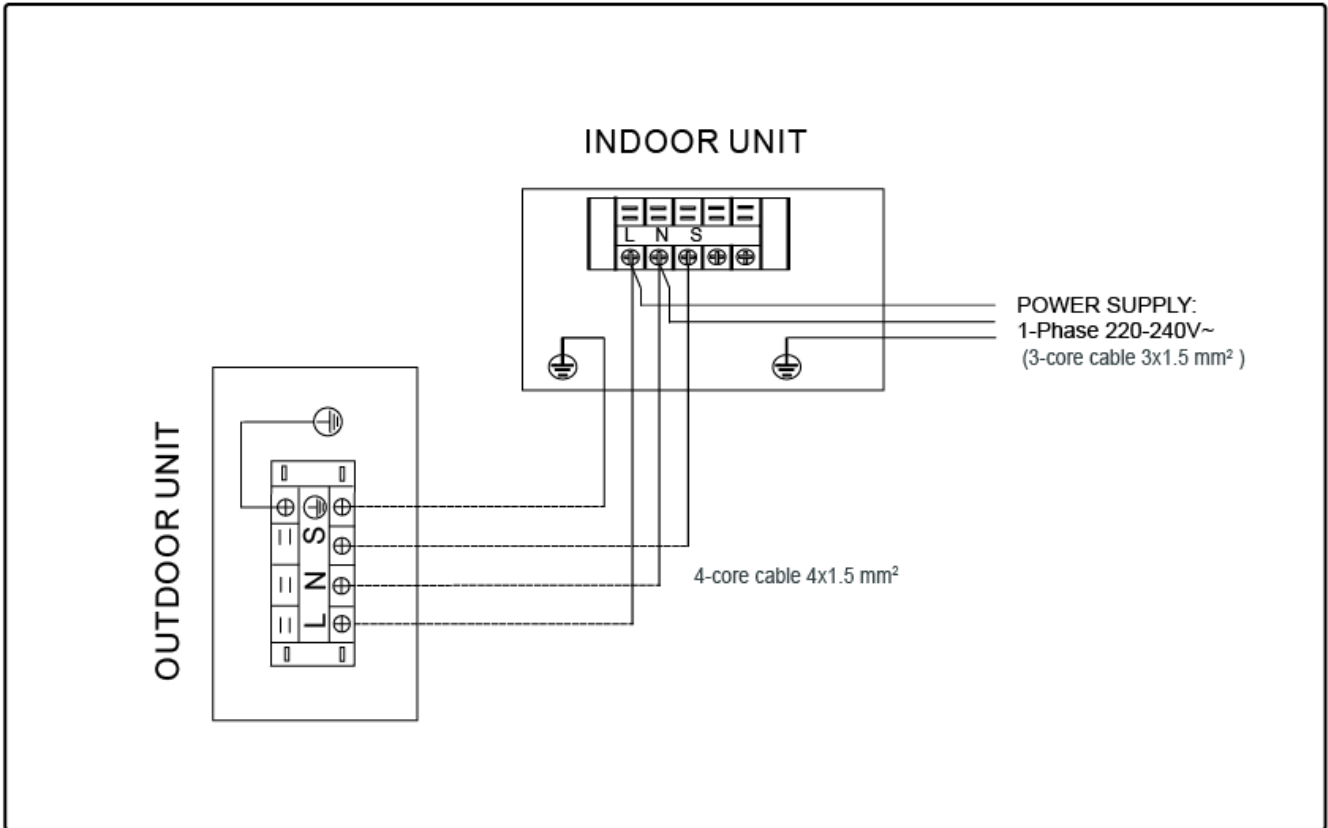
Model		12000Btu/h	18000-24000Btu/h	30000 Btu/h	36000Btu/h
INDOOR UNIT POWER	Phase	1-phase	1-phase	1-phase	1-phase
	Frequency and Voltage	220-240V, 50Hz	220-240V, 50Hz	220-240V, 50Hz	220-240V, 50Hz
	POWER WIRING (mm ²)	3×1.5	3×1.0	3×1.0	3×1.0
	CIRCUIT BREAKER /FUSE (A)	20	15/10	15/10	15/10
OUTDOOR UNIT POWER	Phase	—————	1-phase	1-phase	1-phase
	Frequency and Voltage	—————	220-240V, 50H	220-240V, 50H	220-240V, 50H
	POWER WIRING (mm ²)	—————	3×2.5	3×2.5	3×4.0
	CIRCUIT BREAKER /FUSE(A)	—————	30/20	40/30	40/30
Indoor/Outdoor Connecting Wiring(Weak Electric Signal) (mm ²)		4×1.5	3×0.5	3×0.5	3×0.5
Indoor/Outdoor Connecting Wiring(Strong Electric Signal) (mm ²)		—————	—————	—————	—————

Model		36000Btu/h	48000-60000Btu/h
INDOOR UNIT POWER	Phase	1-phase	1-phase
	Frequency and Voltage	220-240V, 50Hz	220-240V, 50Hz
	POWER WIRING (mm ²)	3×1.0	3×1.0
	CIRCUIT BREAKER/FUSE (A)	15/10	15/10
OUTDOOR UNIT POWER	Phase	3-phase	3-phase
	Frequency and Voltage	380-415V, 50H	380-415V, 50H
	POWER WIRING (mm ²)	5×2.5	5×2.5
	CIRCUIT BREAKER /FUSE(A)	30/20	30/25
Indoor/Outdoor Connecting Wiring (Weak Electric Signal) (mm ²)		3×0.5	3×0.5
Indoor/Outdoor Connecting Wiring (Strong Electric Signal) (mm ²)		—————	—————

9. Field Wiring



For model 12



For model 18~60

