



Submittal:

Models:

LXGIFHCMD01213T4 / LXGISHMD012130T4
LXGIFHCMD01813T4 / LXGISHMD018130T4
LXGIFHCMD02413T4 / LXGISHMD024130T4
LXGIFHCMD03013T4 / LXGISHMD030130T4
LXGIFHCMD03613T4 / LXGISHMD036130M4
LXGIFHCMD04813T4 / LXGISHMD048130M4
LXGIFHCMD06013M4/ LXGISHMD060130M4

(Refrigerant R410A)

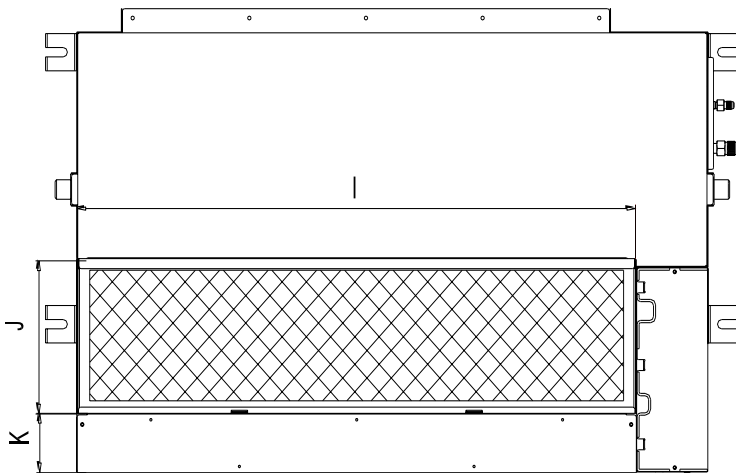
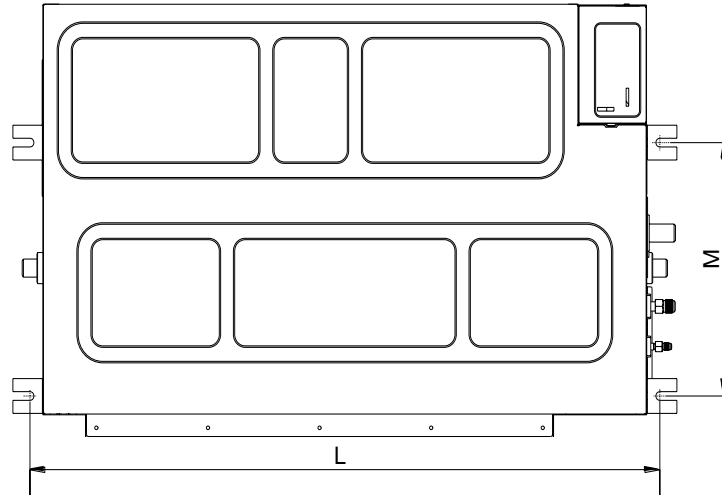
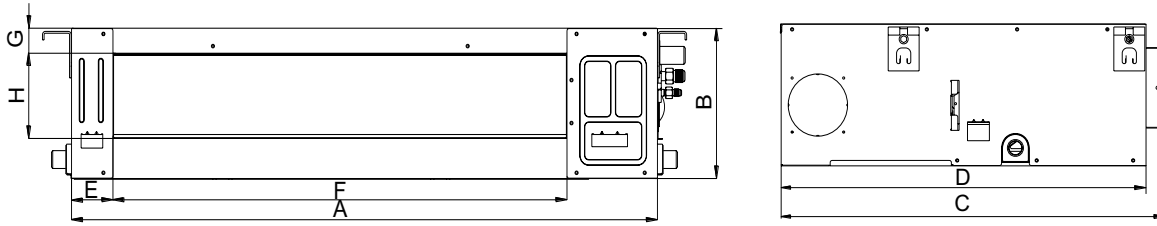
Thank you for selecting LENNOX air conditioners.

1. Specifications

Model			LXGIFHCMD01213T4	LXGIFHCMD01813T4	LXGIFHCMD02413T4
Code			Y5699	Y5700	Y5701
Power supply		V-ph-Hz	220~240-1-50	220~240-1-50	220~240-1-50
Cooling	Capacity	Btu/h	12000	18000	24000
	Capacity range	Btu/h	4700-13100	7200-21700	9500-28500
	Input	W	996	1620	2170
	Current	A	/	7.4	9.93
	EER	W/W	3.53	3.26	3.24
Heating	Capacity	Btu/h	13000	19000	24500
			5100-15400	8100-24500	10900-32800
	Input	W	1030	1510	2040
	Current	A	/	6.9	9.34
	COP	W/W	3.70	3.69	3.52
Indoor fan motor	Motor model		YSK27-4C	YSK68-4P	YSK74-4P
	Qty		1	1	1
	Input	W	69/54/48	107/65/52	163/93/75
	Capacitor	uF	2UF/450V	3.5UF/450V	3.5UF/450V
	Speed(Hi/Med/Lo)	r/min	1200/1010/880	1150/800/700	1000/750/680
Indoor coil	Number of rows		3	3	4
	Tube pitch(a)*row pitch(b)	mm	21×13.37	21x13.37	21x13.37
	Fin spacing	mm	1.5	1.5	1.5
	Fin type		Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium
	Tube outside dia.and type	mm	Φ7,Inner grooved tube	Φ7,Inner grooved tube	Φ7,Inner grooved tube
	Coil length * height * width	mm	515×252×40.11	735x252x40.11	735x252x53.48
	Number of circuits		4	4	6
Indoor air flow (Hi/Med/Lo) (No duct)		m ³ /h	800/610/520	1170/770//650	1400/1100/1000
Indoor external static pressure (Hi)		Pa	40	70	70
Indoor noise level		dB(A)	36.9/30.2/26.4	44/36/33	45/43/41
Throttle type			/	/	/
Indoor unit	Dimension (WxDxH)	mm	700x635x210	920x635x210	920x635x270
	Packing(WxDxH)	mm	915x655x290	1135x655x290	1135x655x350
	Net/Gross weight	kg	20/25	23/29	28/31.5
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			Wired/Wireless	Wired/Wireless	Wired/Wireless
Operation temperature	Cooling	°C	≥17	≥17	≥17
	Heating	°C	≤30	≤30	≤30

Model			LXGIFHCMD03013T4	LXGIFHCMD03613T4	LXGIFHCMD04813T4	LXGIFHCMD06013M4
Code			Y5702	Y5703	Y5704	Y5705
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	30000	36000	48000	55000
	Capacity range	Btu/h	12300-36800	14000-42100	17200-51600	19200-57700
	Input	W	2710	3280	4320	4960
	Current	A	12.4	5.7	7.46	8.56
	EER	WW	3.24	3.22	3.26	3.25
Heating	Capacity	Btu/h	32000	38000	50000	58000
			13800-41400	17100-51300	20000-59900	23000-68700
	Input	W	2620	3090	4030	4610
	Current	A	12.1	5.3	6.96	7.96
	COP	WW	3.58	3.6	3.64	3.69
Indoor fan motor	Motor model		YSK100-4P	YSK140-4P	YSK170-4P	YSK180-4P
	Qty		1	1	1	1
	Input	W	227/142/115	291/168/138	356/201/152	355/223/173
	Capacitor	uF	10UF/450V	10UF/450V	10UF/450V	10UF/450V
	Speed(Hi/Med/Lo)	r/min	935/700/620	1070/790/710	1070/750/650	1080/830/710
Indoor coil	Number of rows		4	4	4	4
	Tube pitch(a)*row pitch(b)	mm	21x13.37	21x13.37	21x13.37	21x13.37
	Fin spacing	mm	1.5	1.5	1.5	1.5
	Fin type		Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium
	Tube outside dia.and type	mm	Φ7,Inner grooved tube	Φ7,Inner grooved tube	Φ7, innergroove tube	Φ7, innergroove tube
	Coil length * height * width	mm	955x336x53.48	955x336x53.48	1030x378x53.48	1030x378x53.48
	Number of circuits		8	8	8	8
Indoor air flow (Hi/Med/Lo) (No duct)	m ³ /h	2250/1940/1720	2270/1890/1650	3010/2410/1940	3150/2510/1990	
Indoor external static pressure (Hi)	Pa	80	80	100	100	
Indoor noise level	dB(A)	46/44/42	46/44/42	47/41/37	47/45/43	
Throttle type		/	/	/	/	
Indoor unit	Dimension (WxDxH)	mm	1140x775x270	1140x775x270	1200x865x300	1200x865x300
	Packing(WxDxH)	mm	1355x795x350	1355x795x350	1385x920x373	1385x920x373
	Net/Gross weight	kg	37/44	39/46	45/54.5	50/59
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			Wired/Wireless	Wired/Wireless	Wired/Wireless	Wired/Wireless
Operation temperature	Cooling	℃	≥17	≥17	≥17	≥17
	Heating	℃	≤30	≤30	≤30	≤30

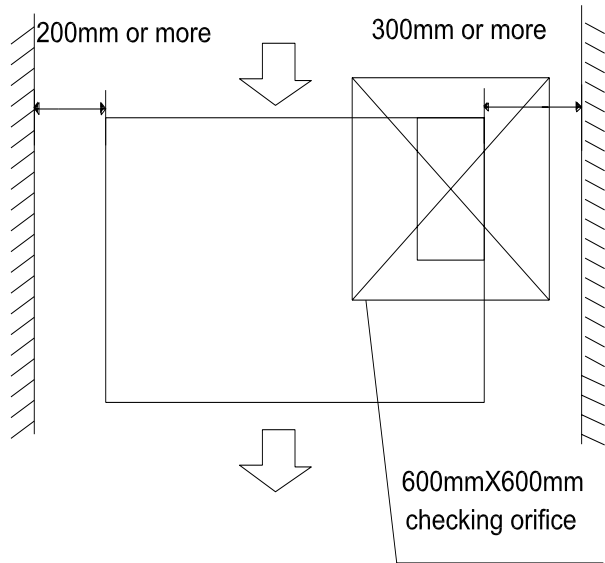
2. Dimensions



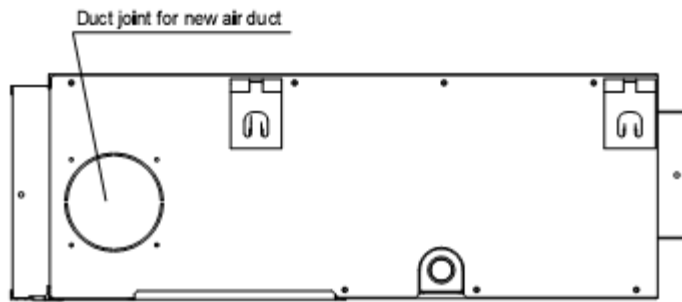
Capacity (KBtu)	Outline dimension(mm)				Air outlet opening size				Air return opening size			Size of outline dimension mounted plug	
	A	B	C	D	E	F	G	H	I	J	K	L	M
12	700	210	635	570	65	493	35	119	595	200	80	740	350
18	920	210	635	570	65	713	35	119	815	200	80	960	350
24	920	270	635	570	65	713	35	179	815	260	20	960	350
30/36	1140	270	775	710	65	933	35	179	1035	260	20	1180	490
48/60	1200	300	865	800	80	968	40	204	1094	288	45	1240	500

3. Service Space

Ensure enough space required for installation and maintenance.

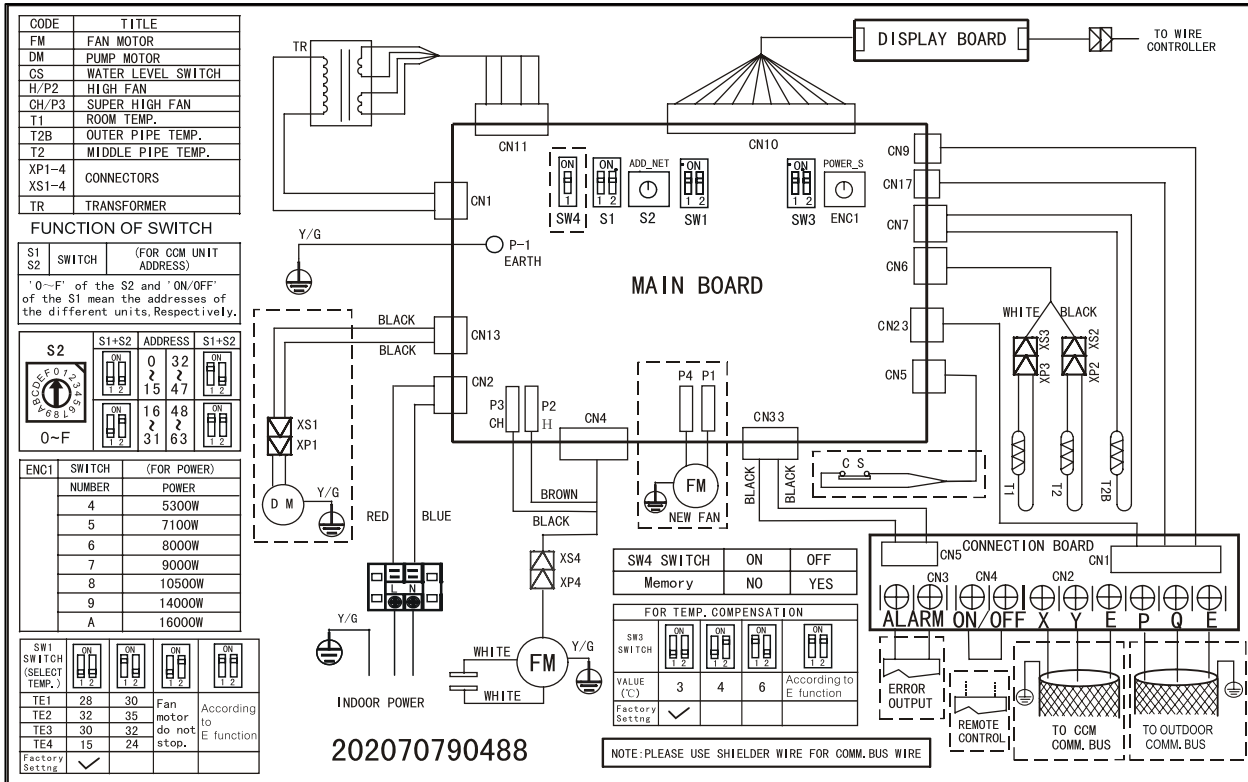


All the indoor units reserve the hole to joint the fresh air pipe. The hole size as following:

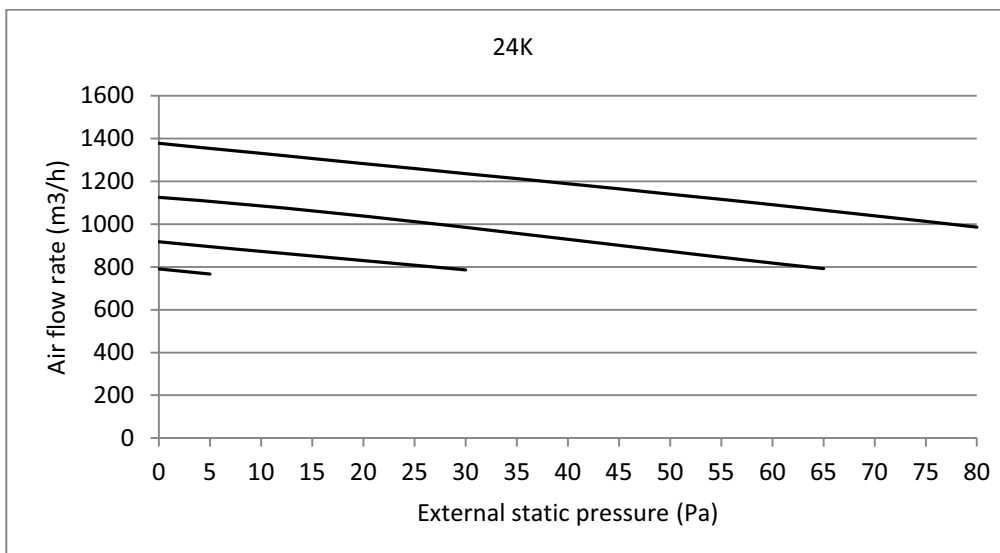
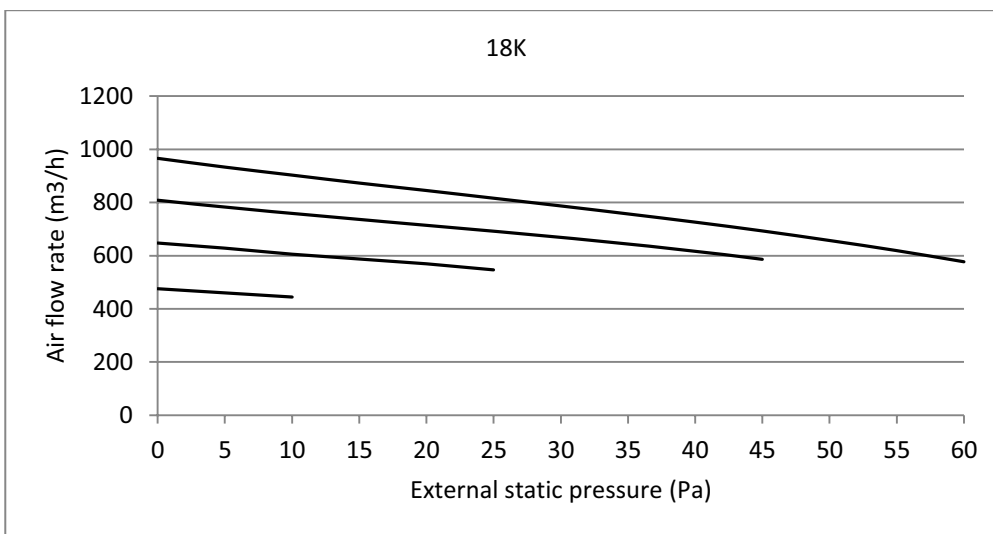
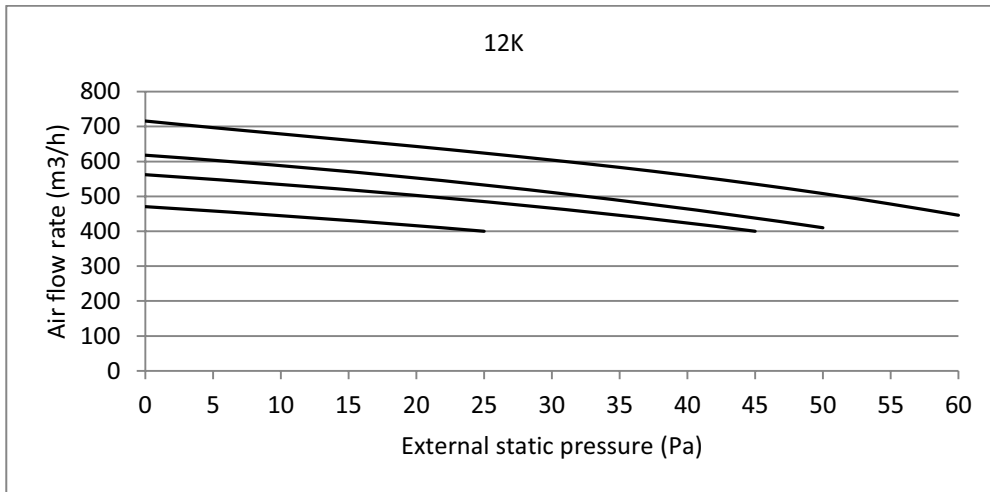


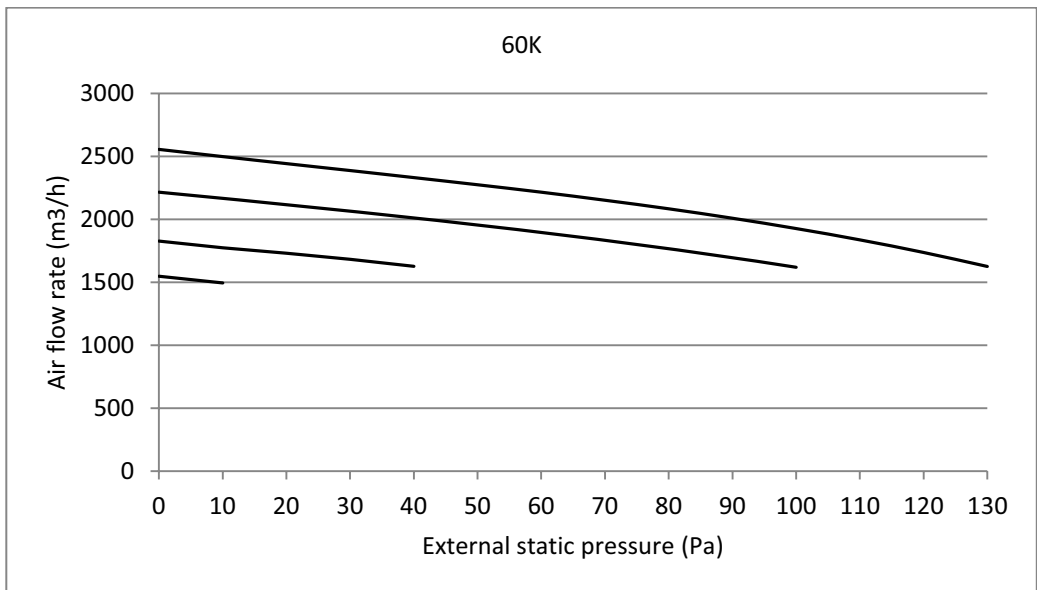
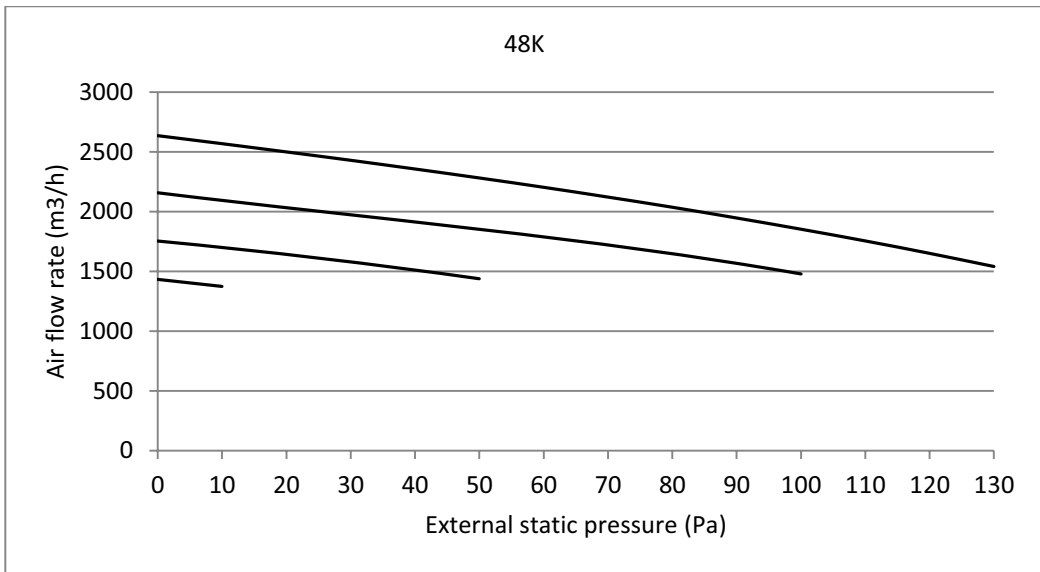
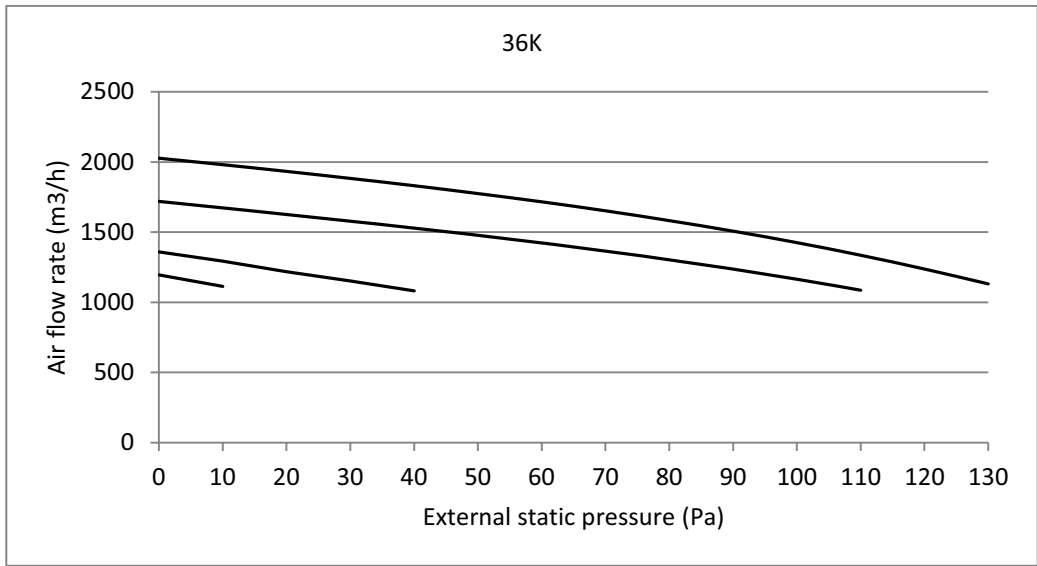
MODLE	
12-24	30-60
<p>Ø90mm</p> <p>80mm</p> <p>80mm</p>	<p>Ø125mm</p> <p>Ø160mm</p>

LXGIFHCMD03613T4, LXGIFHCMD04812T4, LXGIFHCMD06014M4



5. Static Pressure





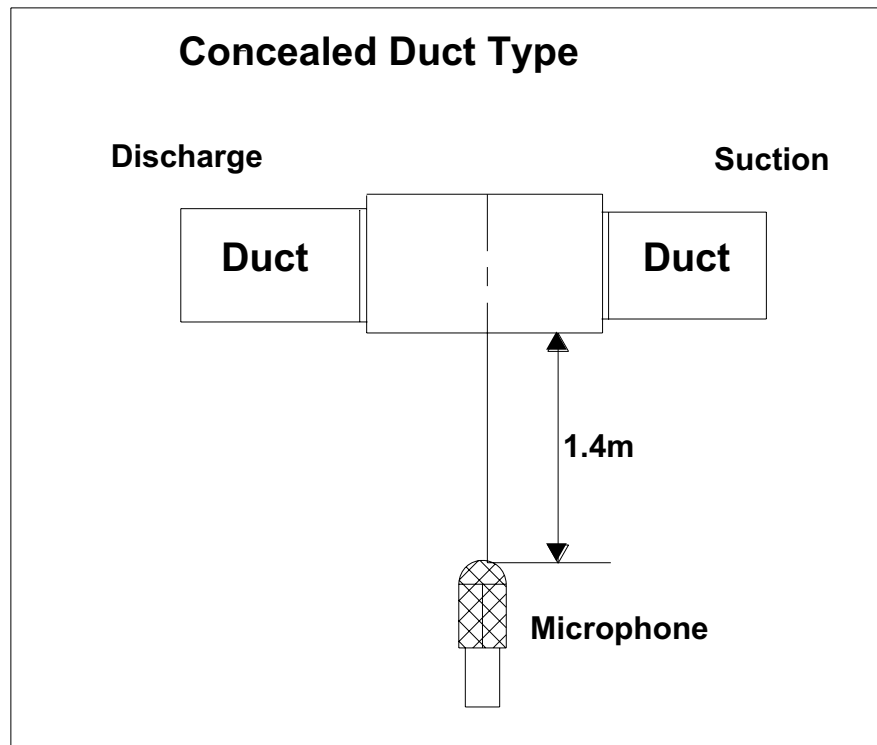
6. Electric Characteristics

Model	Indoor Unit				Power Supply
	Hz	Voltage	Min.	Max.	MFA
LXGIFHCMD01213T4	50	220-240	198	254	15
LXGIFHCMD01813T4	50	220-240	198	254	15
LXGIFHCMD02413T4	50	220-240	198	254	15
LXGIFHCMD03013T4	50	220-240	198	254	15
LXGIFHCMD03613T4	50	220-240	198	254	15
LXGIFHCMD04813T4	50	220-240	198	254	15
LXGIFHCMD06013M4	50	220-240	198	254	15

Note:

MFA: Max. Fuse Amps. (A)

7. Sound Levels



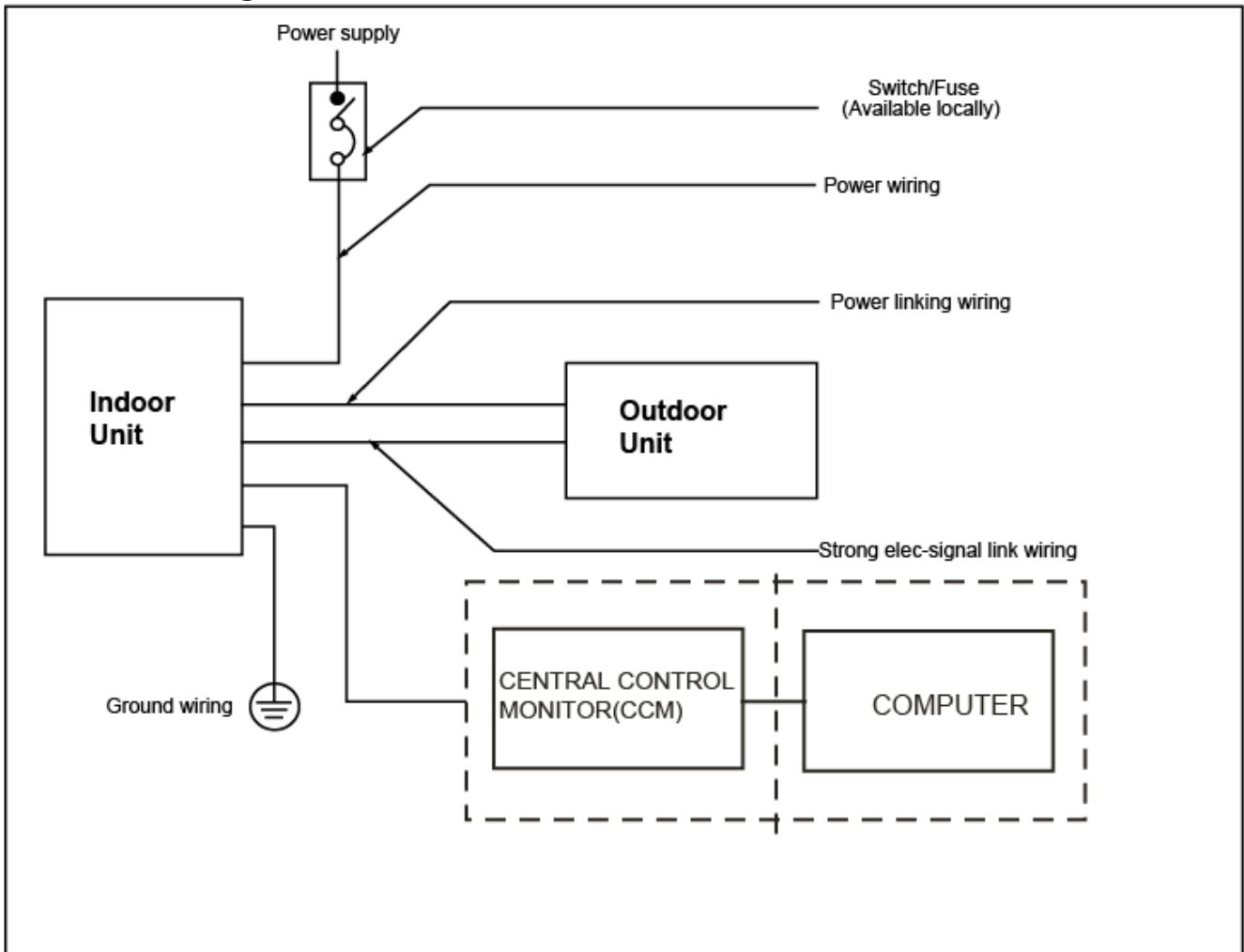
Model	Noise level dB(A)		
	H	M	L
LXGIFHCMD01213T4	37	30	26
LXGIFHCMD01813T4	44	36	33
LXGIFHCMD02413T4	45	43	41
LXGIFHCMD03013T4	46	44	42
LXGIFHCMD03613T4	46	44	42
LXGIFHCMD04813T4	47	41	37
LXGIFHCMD06013M4	47	45	43

8. The Specification of Power

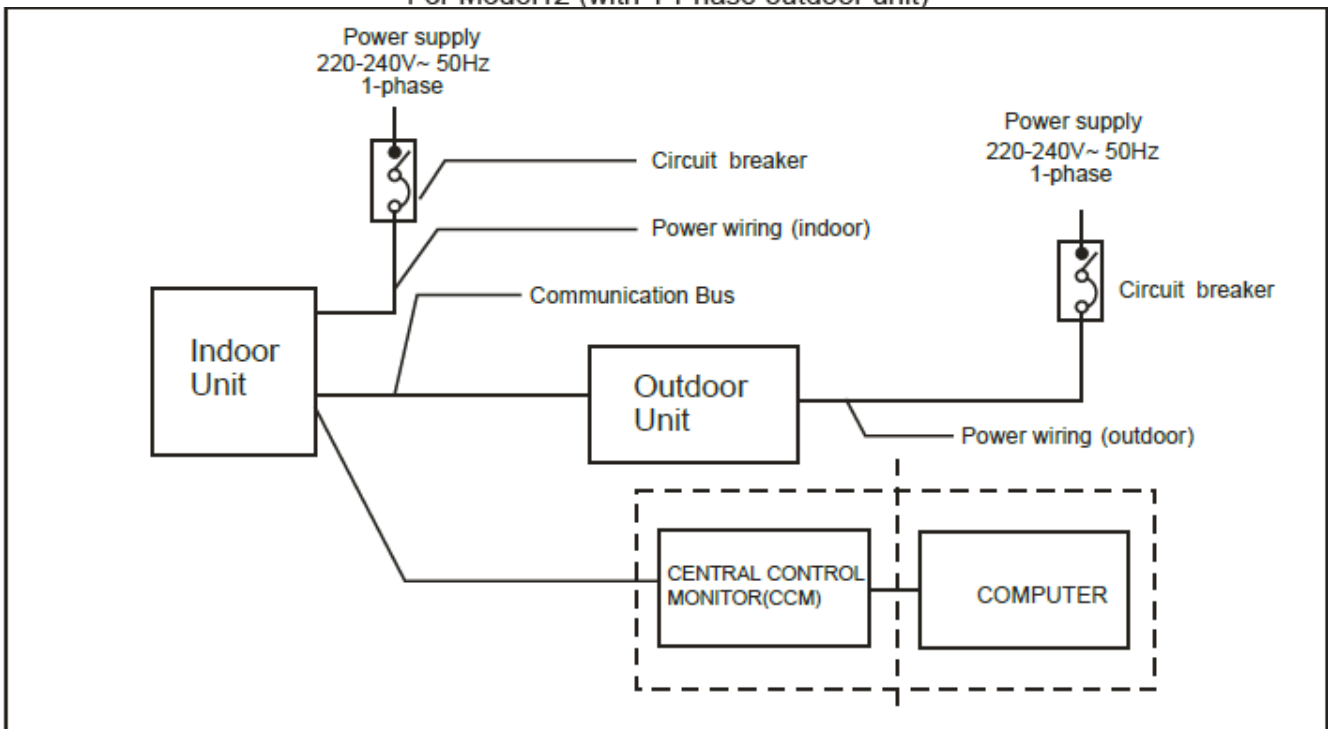
Model		12000Btu/h	18000-24000Btu/h	30000 Btu/h	36000Btu/h
INDOOR UNIT POWER	Phase	1-phase	1-phase	1-phase	1-phase
	Frequency and Voltage	220-240V, 50Hz	220-240V, 50Hz	220-240V, 50Hz	220-240V, 50Hz
	POWER WIRING (mm ²)	3×1.5	3×1.0	3×1.0	3×1.0
	CIRCUIT BREAKER /FUSE (A)	20	15/10	15/10	15/10
OUTDOOR UNIT 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

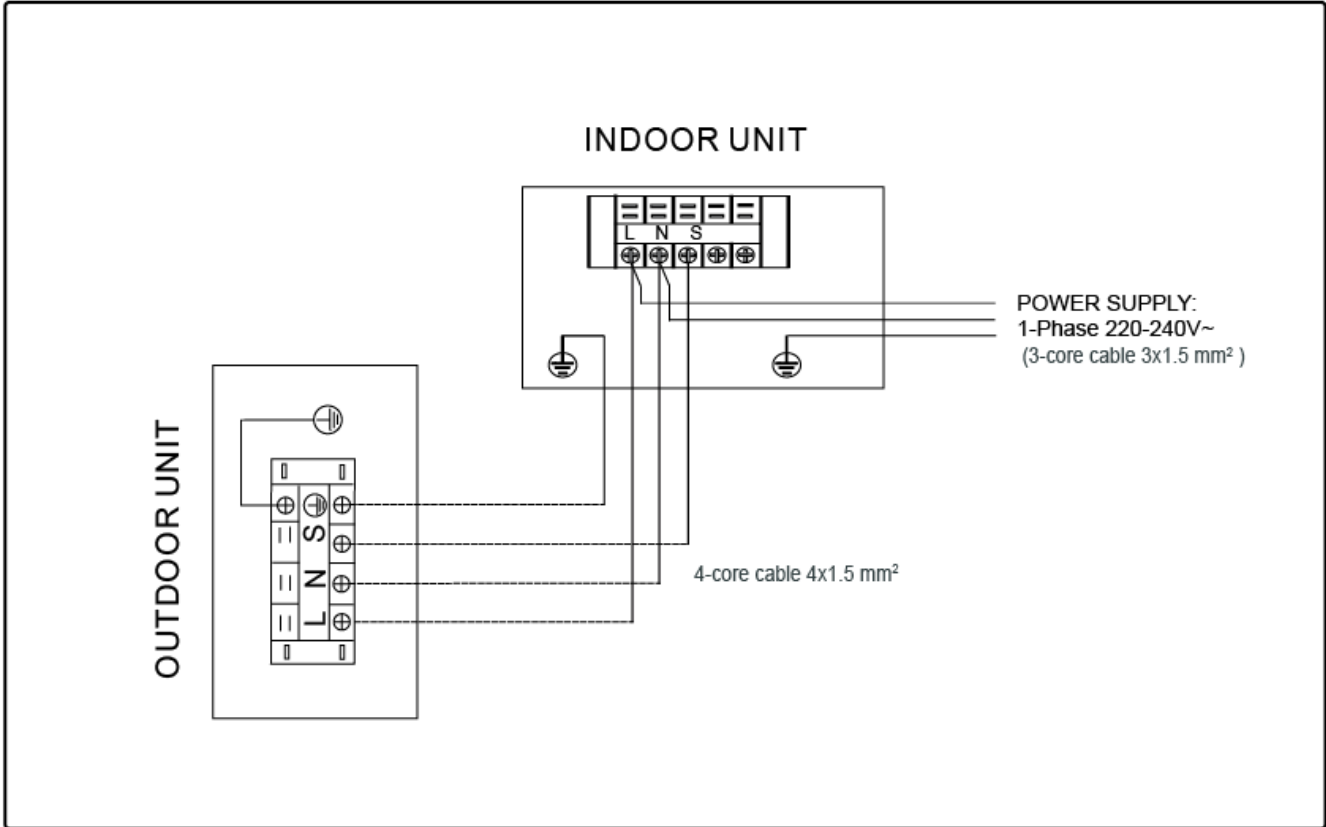


For Model12 (with 1-Phase outdoor unit)



For Model 18-60(with 1-Phase outdoor unit)

Air-conditioner link-circuit.
For model 12



For model 18-60

