



America's Premier Climate Comfort Brand since 1895

Submittal:

Models:

LXGISHMD012130T4

LXGISHMD018130T4

LXGISHMD024130T4

LXGISHMD030130T4

LXGISHMD036130M4

LXGISHMD048130M4

LXGISHMD060130M4

(Refrigerant R410A)

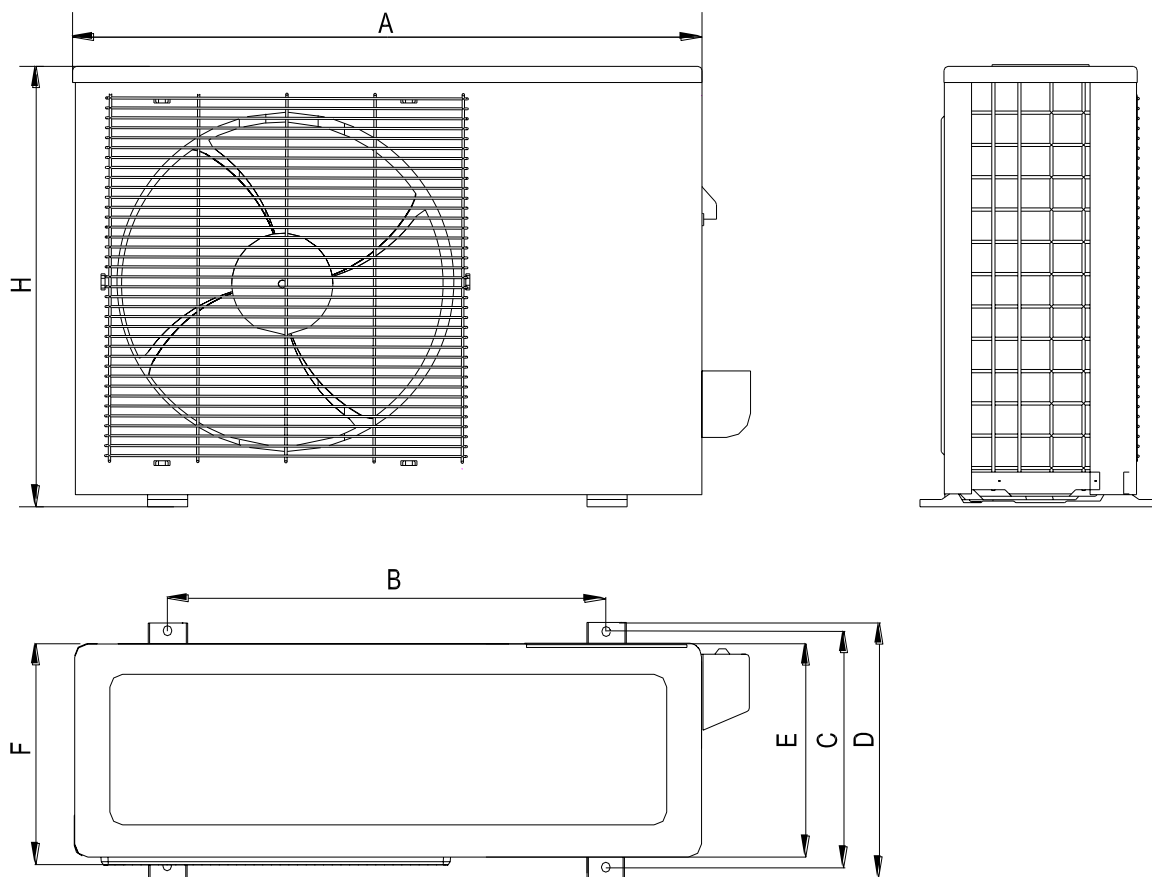
Thank you for selecting LENNOX air conditioners.

1. Specifications

Model		LXG ISHMD012130T4	LXG ISHMD018130T4	LXG ISHMD024130T4	LXG ISHMD030100T4	
Code		Y5713	Y5714	Y5715	Y5716	
Power supply		V-ph-Hz	220~240-1-50	220~240-1-50	220~240-1-50	
Max. input consumption		W	2200	2950	4050	
Max. input current		A	10	13	18.5	
Compressor	Model		DA108X1C-20FC3	DA130S1C-20FZ	DA150S1C-20FZ	TNB220FLHMC-L
	Type		Rotary	Rotary	Rotary	Rotary
	Brand		GMCC	GMCC	GMCC	Mitsubishi
	Capacity	Btu/h	10918	13170	15286	24328
	Input	W	855	990	1150	2200
	Rated current(RLA)	A	5.3	4.97	9.7	9.7
	Locked rotor Amp(LRA)	A	/	/	/	/
	Capacitor	µF	/	/	/	/
Refrigerant oil	ml	480	500	500	870	
Outdoor fan motor	Model		YDK24-6G	YDK50-6C	YDK55-6G	YDK53-6N
	Qty		1	1	1	1
	Input	W	67/48	111/96	103/76	138/102
	Capacitor	µF	2.5UF/450V	2.5UF/450V	2.5UF/450V	2.5UF/450V
	Speed	r/min	800/550	890/540	840/630	780/600
Outdoor coil	Number of rows		2	2	3	3
	Tube pitch(a)* row pitch(b)	mm	22x19.05	22x19.05	21x13.37	21x13.37
	Fin spacing	mm	1.4	1.4	1.4	1.4
	Fin type		Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium
	Tube outside dia.and type	mm	Φ7.94,inner grooved tube	Φ7.94,inner grooved tube	Φ7,inner grooved tube	Φ7,inner grooved tube
	Coil length * height * width	mm	660x550x38.1	660x550x38.1	779x651x40.11	776x798x40.11
Number of circuits		2	2	6	6	
Outdoor air flow	m ³ /h	2500/1600	2570/2300	2700/2030	3800/2930	
Outdoor noise level (sound pressure)	dB(A)	54/47	51	54	55	
Throttle type		Capillary	EVX+Capillary	EVX+Capillary	EVX+Capillary	
Outdoor unit	Dimension(WxDxH)	mm	762x282x593	762x282x593	842x324x695	895x313x862
	Packing(WxDxH)	mm	887x355x645	887x355x645	965x395x755	1043x395x915
	Net/Gross weight	kg	37/40	42/44	46/49.5	71/75
Refrigerant	Type		R410A	R410A	R410A	R410A
	Charged volume	kg	1.13	1.32	2.1	2.4
Design pressure	MPa	4.2/1.5	4.2/1.5	4.2/1.5	4.2/1.5	
Refrigerant piping	Liquid side/ Gas side	mm(inch)	Φ6.35/Φ12.7(1/4"/1/2")	Φ6.35/Φ12.7(1/4"/1/2")	Φ9.52/Φ15.9(3/8"/5/8")	Φ9.52/Φ15.9(3/8"/5/8")
	Max. pipe length	m	15	25	25	25
	Max. difference in level	m	8	12	12	15
Ambient temperature	Cooling	°C	0~50	-15~50	-15~50	-15~50
	Heating	°C	-15~24	-15~24	-15~24	-15~24
Power supply by		Indoor unit	Indoor unit & outdoor	Indoor unit & outdoor	Indoor unit & outdoor	
Number of cables for power supply and gauge recommended.		3x2.5 mm ²	3x2.5 mm ²	3x2.5 mm ²	3x2.5 mm ²	
Number of cables and gauge for interconnection.		4x1.5 mm ²	PQE:3X0.5mm ² LN:3x2.5 mm ²	PQE:3X0.5mm ² LN:3x2.5 mm ²	PQE:3X0.5mm ² LN:3x2.5 mm ²	

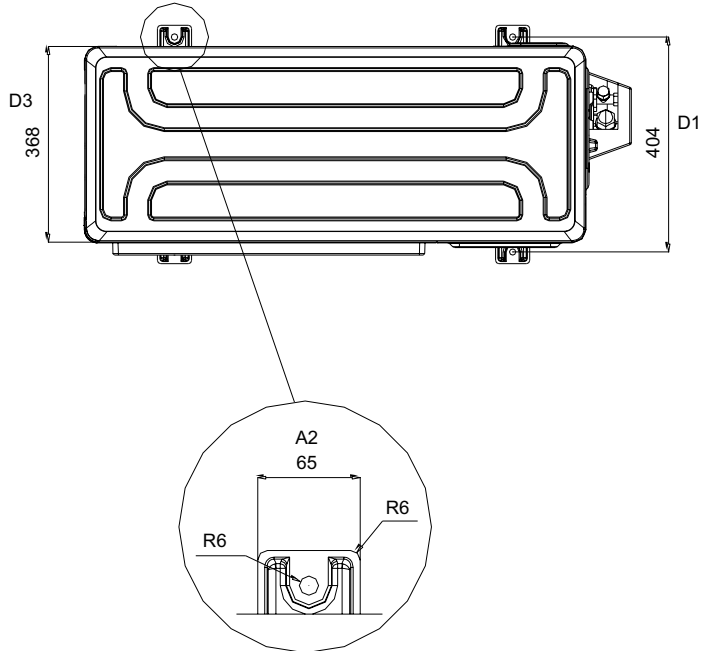
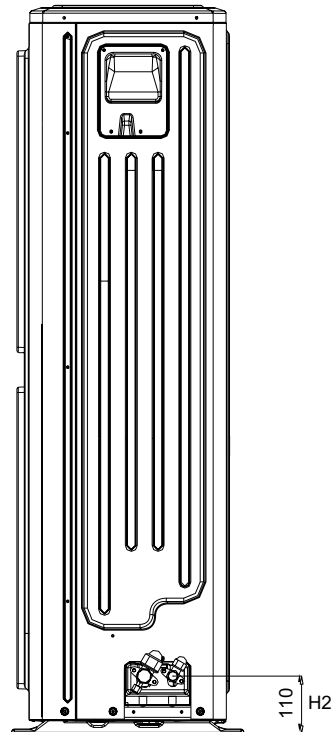
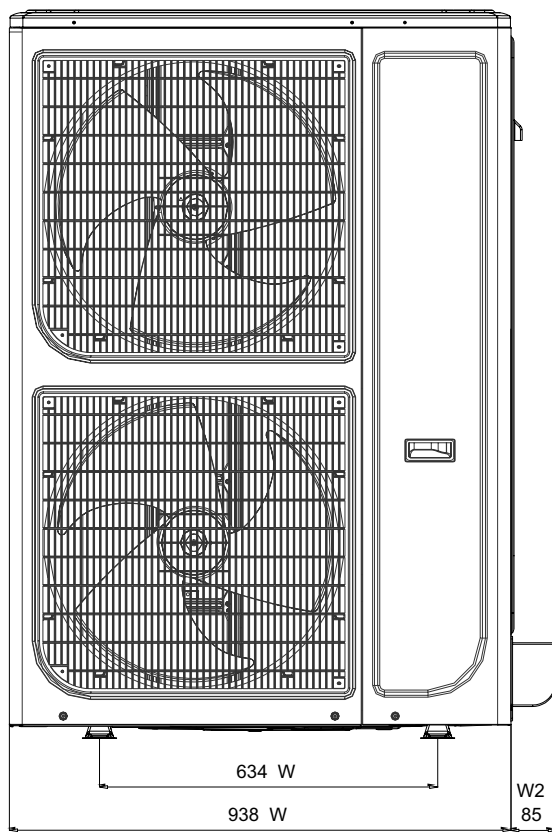
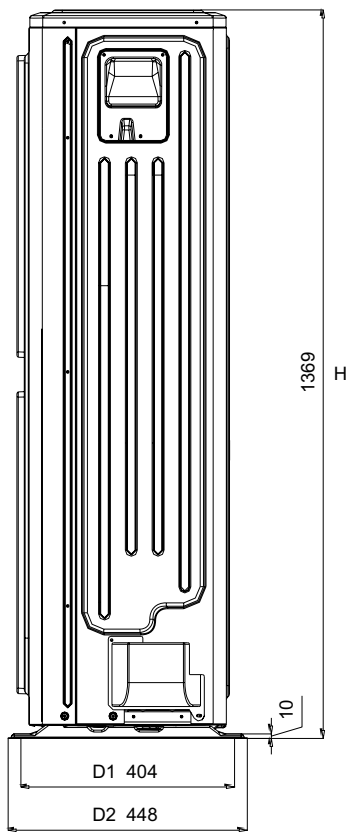
Model		LXGISHMD03613M4	LXGISHMD04813M4	LXGISHMD06013M4	
Code		Y5717	Y5718	Y5719	
Power supply	V-ph-Hz	380~415-3-50	380~415-3-50	380~420-3-50	
Max. input consumption	W	5000	7200	7500	
Max. input current	A	14	13	15	
Compressor	Model	TNB306FPNMC-L	LNB42FSAMC	LNB42FSAMC	
	Type	Twin-rotary	Twin-rotary	Twin-rotary	
	Brand	Mitsubishi	Mitsubishi	Mitsubishi	
	Capacity	Btu/h	33711	47700	47700
	Input	W	3010	4270	4270
	Rated current(RLA)	A	13.5	12	12
	Locked rotor Amp(LRA)	A	/	/	/
	Capacitor	µF	/	/	/
Refrigerant oil	ml	1070	1400	1400	
Outdoor fan motor	Model	YDK190-6C(B)	YDK90-6D	YDK90-6D	
	Qty	1	2	2	
	Input	W	290/168	142/127	142/127
	Capacitor	µF	10UF/450V	5UF/450V	5UF/450V
	Speed	r/min	850/760	880/810	880/810
Outdoor coil	Number of rows	2	1.6	2	
	Tube pitch(a)* row pitch(b)	mm	22x19.05	22x19.05	22x19.05
	Fin spacing	mm	1.5	1.5	1.5
	Fin type		Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium
	Tube outside dia.and type	mm	Φ7.94,inner grooved tube	Φ7.94,inner grooved tube	Φ7.94, inner groove tube
	Coil length * height * width	mm	885×902×38.1	95×1320×19.05+593x1320x19.0	995x1320x38.1
Number of circuits		4	10	10	
Outdoor air flow	m ³ /h	5500	7200	7500	
Outdoor noise level (sound pressure)	dB(A)	63	63	64	
Throttle type		Capillary +EXV	Capillary +EXV	Capillary +EXV	
Outdoor unit	Dimension(WxDxH)	mm	990x345x965	938x392x1369	938x392x1369
	Packing(WxDxH)	mm	1120x435x1100	1095x495x1505	1095x495x1505
	Net/Gross weight	kg	81/91	102/118	107/120
Refrigerant	Type		R410A	R410A	R410A
	Charged volume	kg	2.6	3.8	4.6
Design pressure	MPa	4.2/1.5	4.2/1.5	4.2/1.5	
Refrigerant piping	Liquid side/ Gas side	mm(inch)	Φ9.52/Φ15.9(3/8"/5/8")	Φ9.52/Φ15.9(3/8"/5/8")	Φ9.52/Φ15.9(3/8"/5/8")
	Max. pipe length	m	65	65	65
	Max. difference in level	m	30	30	30
Ambient temperature	Cooling	°C	-15~50	-15~50	-15~50
	Heating	°C	-15~24	-15~24	-15~24
Power supply by		Indoor unit & outdoor	Indoor unit & outdoor	Indoor unit & outdoor	
Number of cables for power supply and gauge recommended.		3x2.5 mm2	3x2.5 mm2	3x2.5 mm2	
Number of cables and gauge for interconnection.		PQE:3X0.5mm2 L1L2L3N:5x2.5 mm2	PQE:3X0.5mm2 L1L2L3N:5x2.5 mm2	PQE:3X0.5mm2 L1L2L3N:5x2.5 mm2	

2. Dimensions

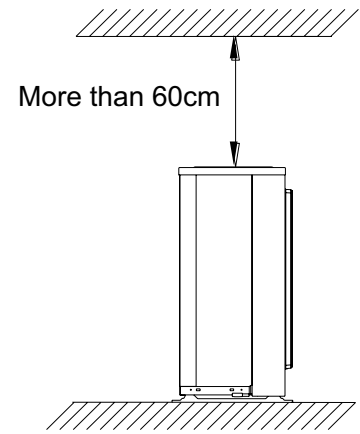
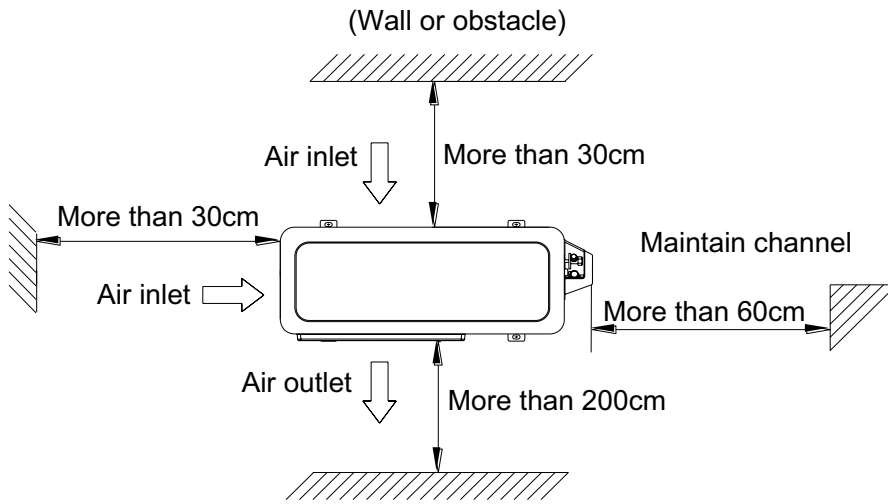


Model	Unit: mm						
	A	B	C	D	E	F	H
LXGISHMD012130T4	762	530	290	315	270	282	593
LXGISHMD018130T4	762	530	290	315	270	282	593
LXGISHMD024130T4	842	560	335	360	312	320	700
LXGISHMD030130T4	895	590	333	355	302	313	862
LXGISHMD036130M4	990	624	366	396	340	345	965

LXGISHMD048130M4, LXGISHMD060130M4

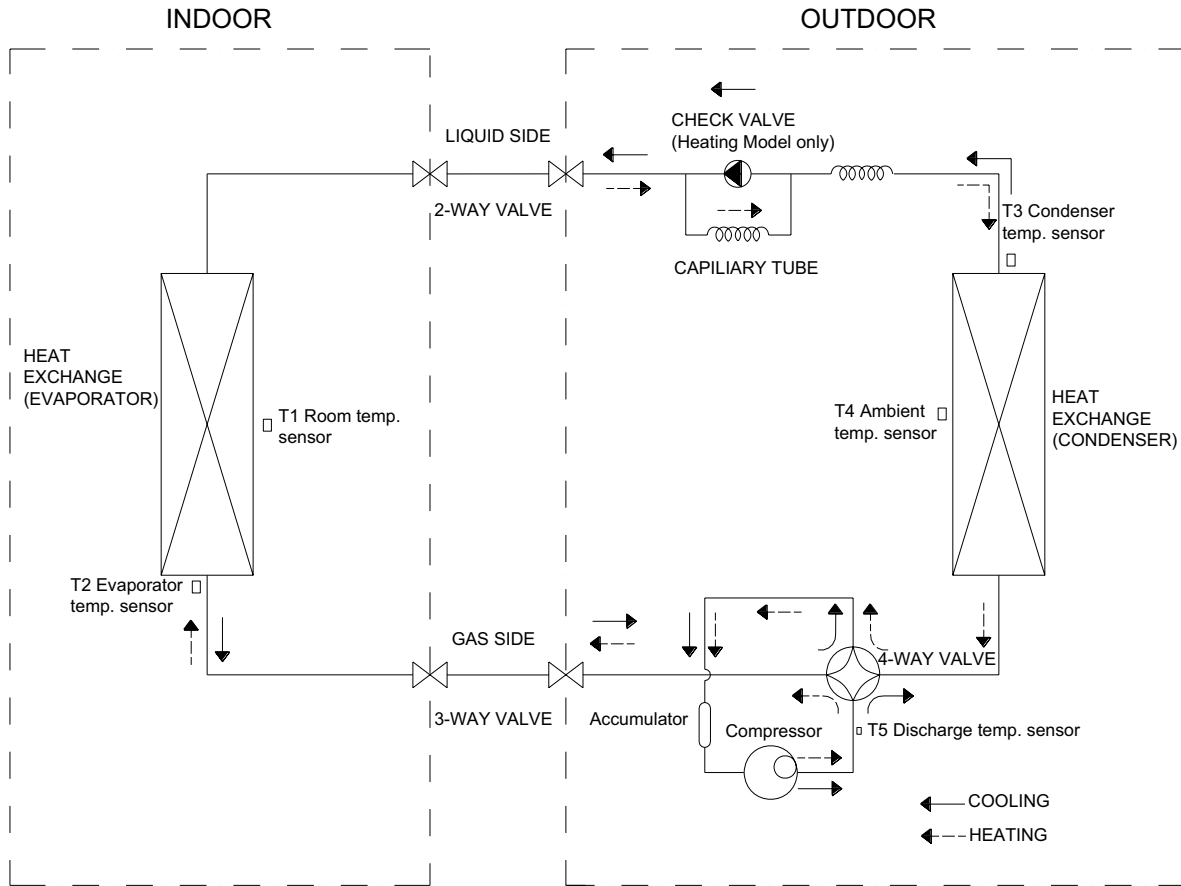


3. Service Space

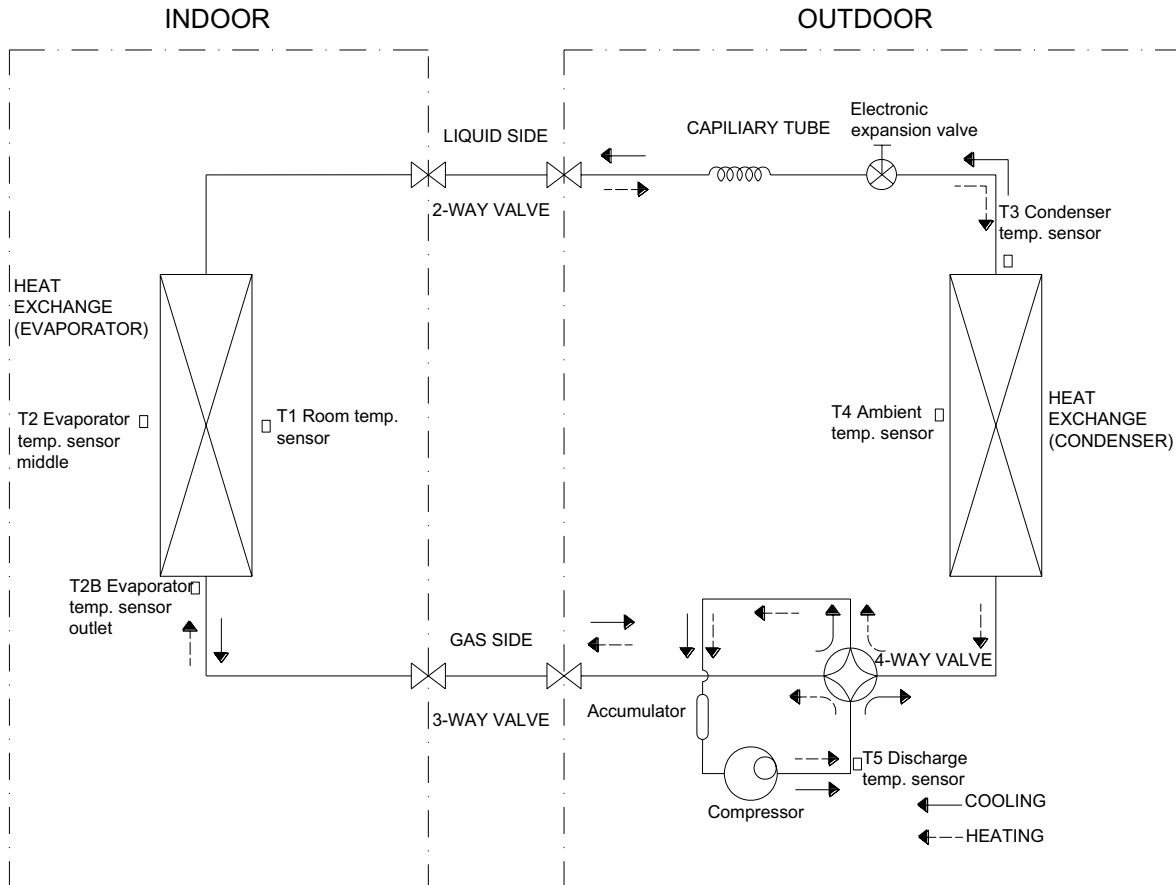


4. Piping Diagrams

LXGISHMD12130T4

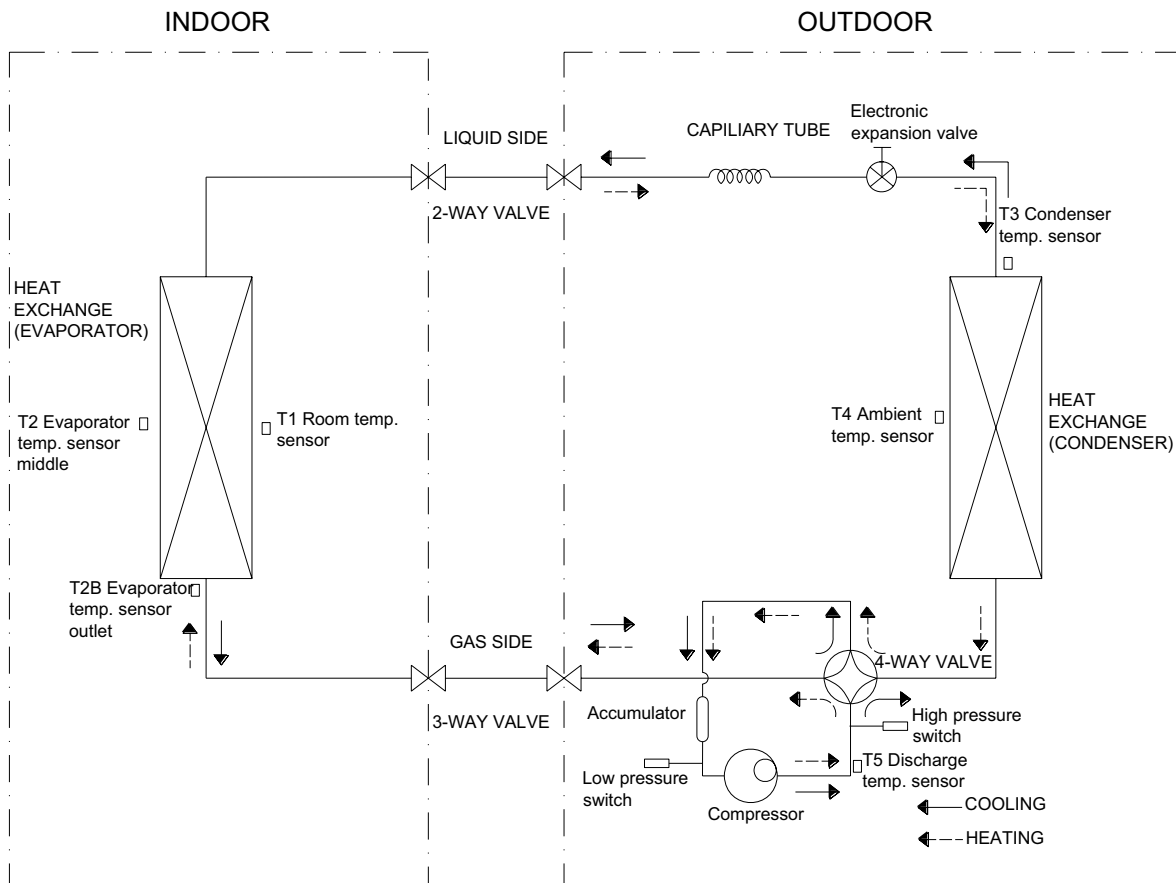


LXGISHMD018130T4, LXGISHMD024130T4

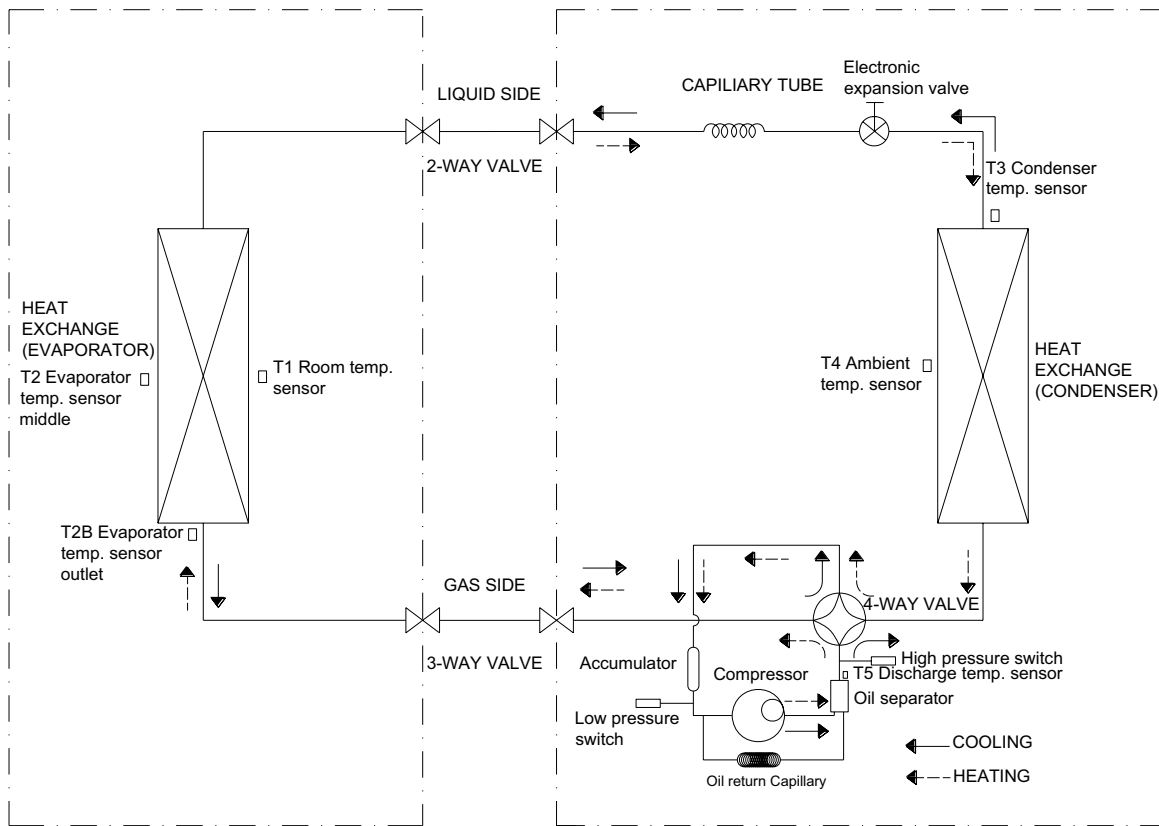


For 24 Model, the accumulator is not included.

LXGISHMD030130T4



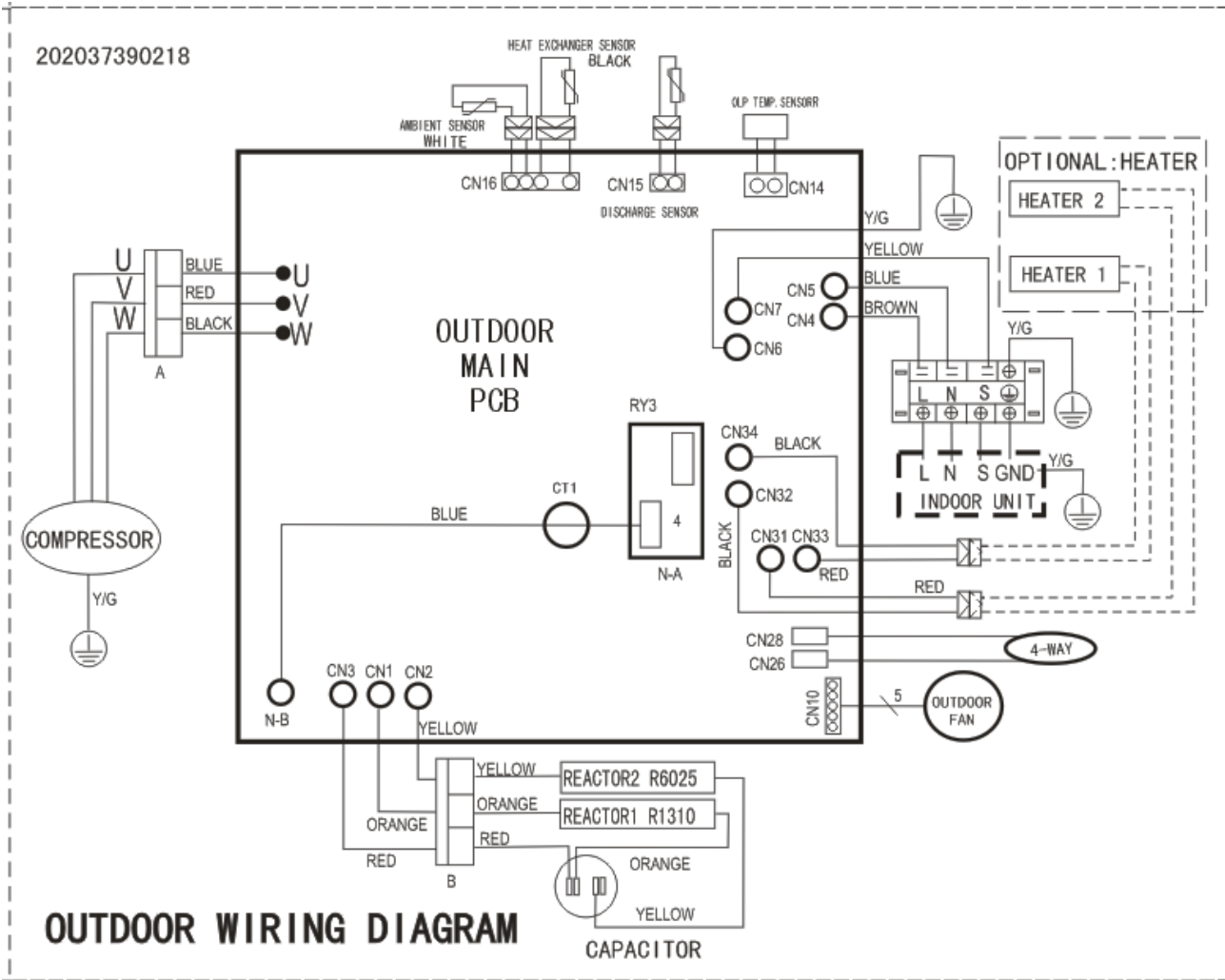
LXGISHMD036130M4, LXGISHMD048130M4, LXGISHMD060130M4
INDOOR OUTDOOR



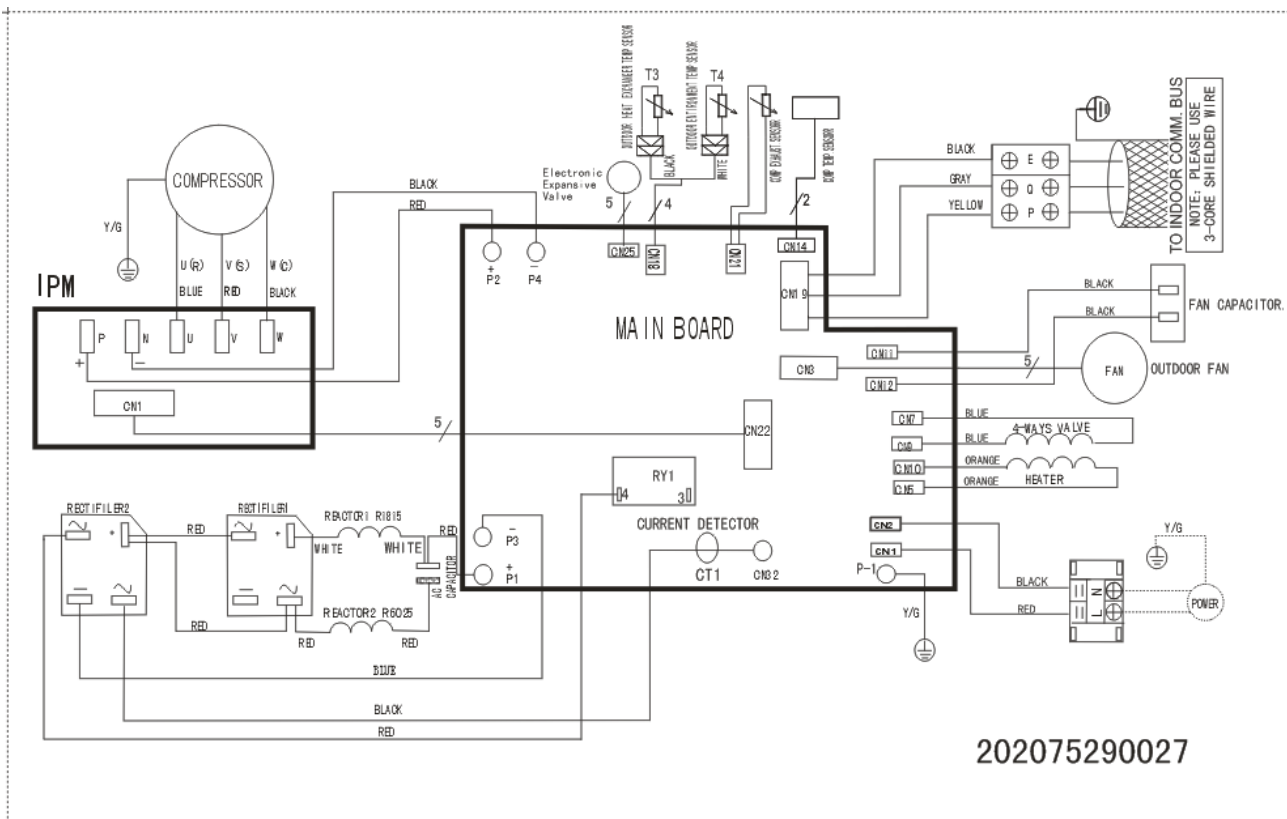
For models 48 and 60 the accumulator is not included.

5. Wiring Diagrams

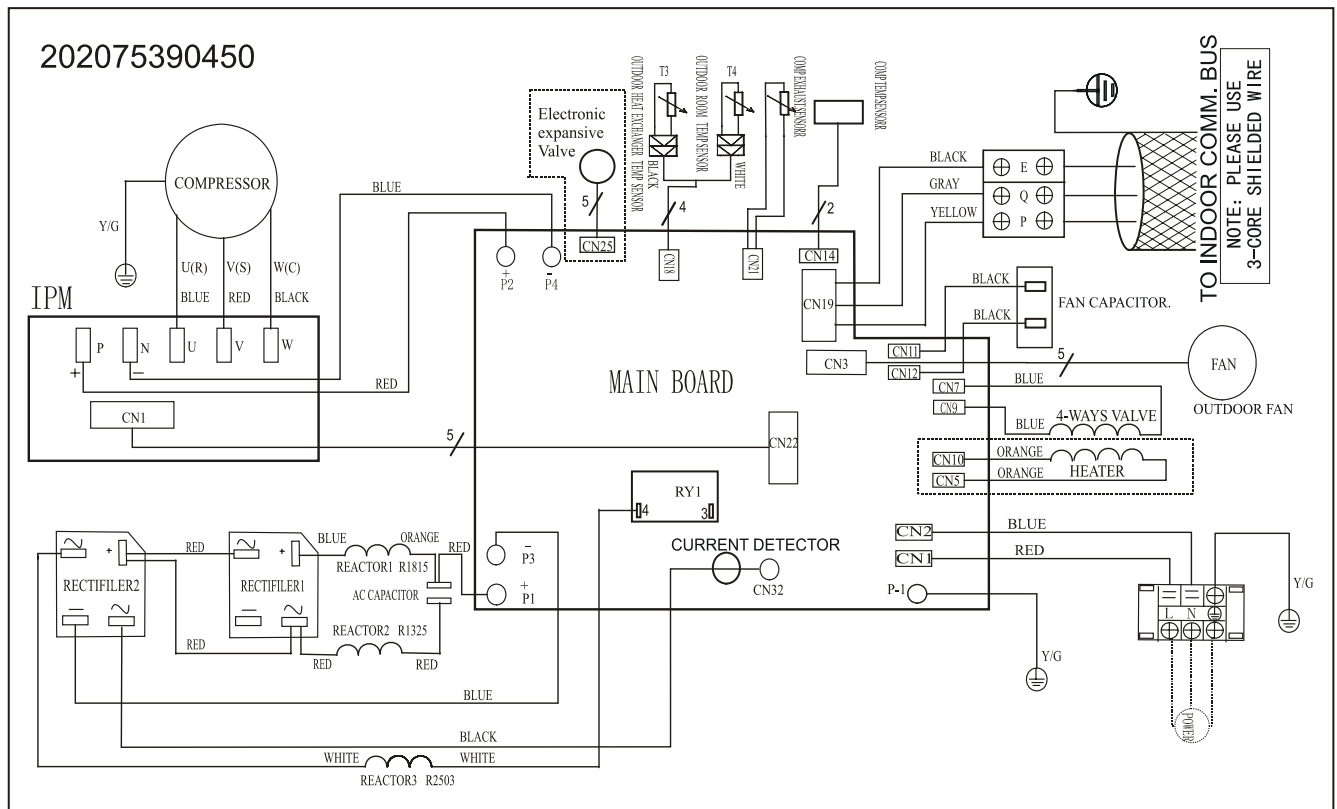
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LXGISHMD018130T4

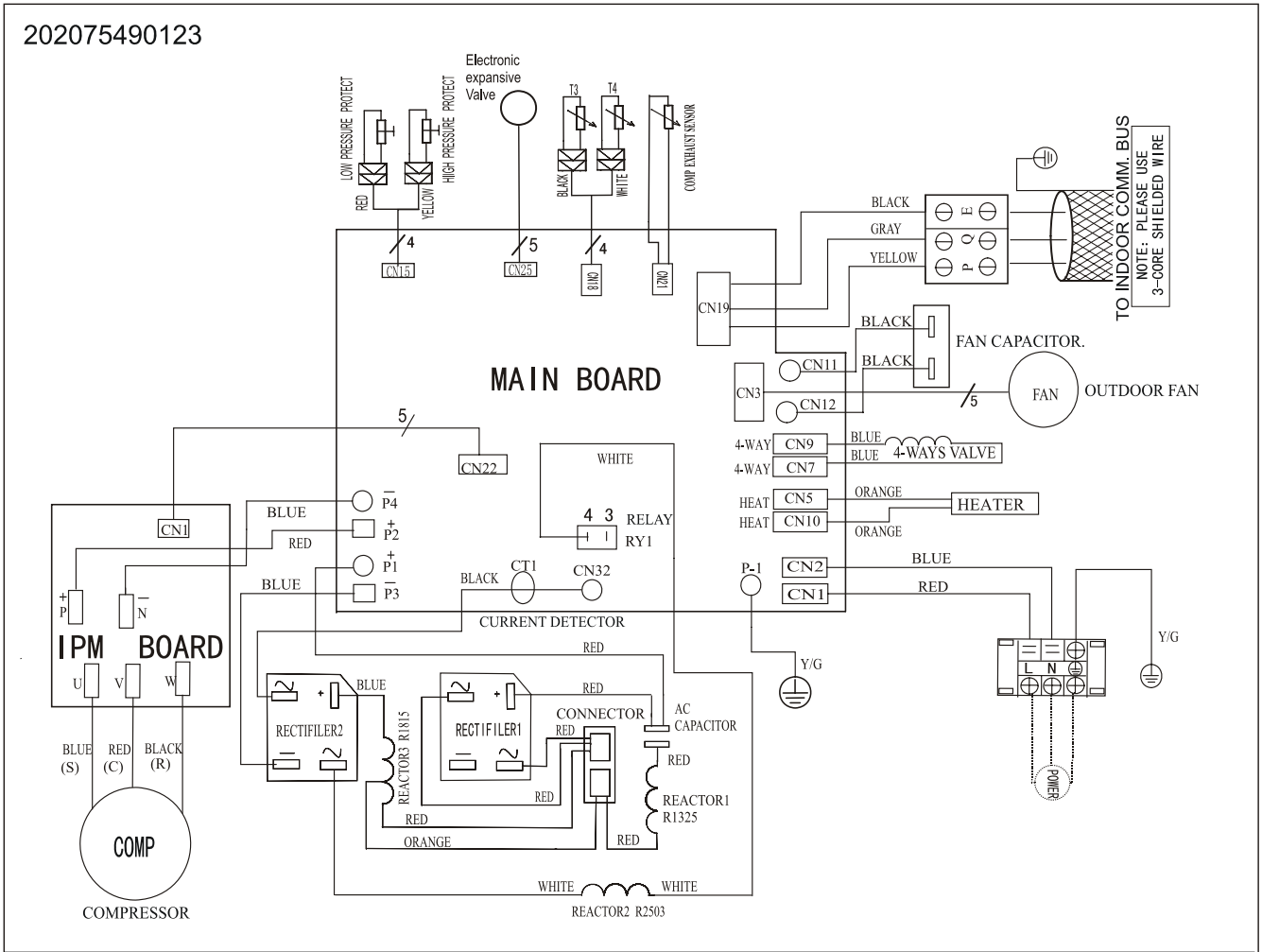


LXGISHMD024130T4



LXGISHMD030130T4

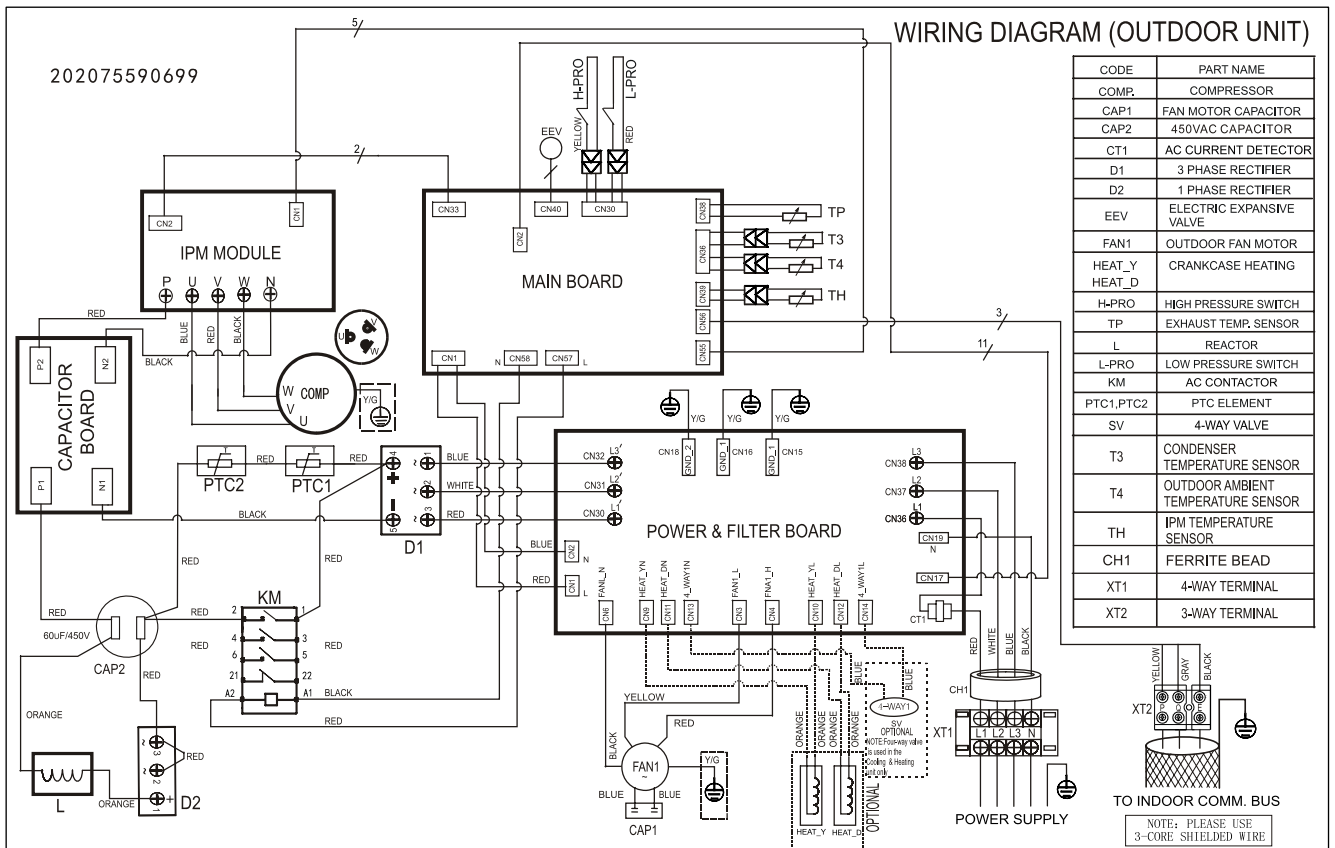
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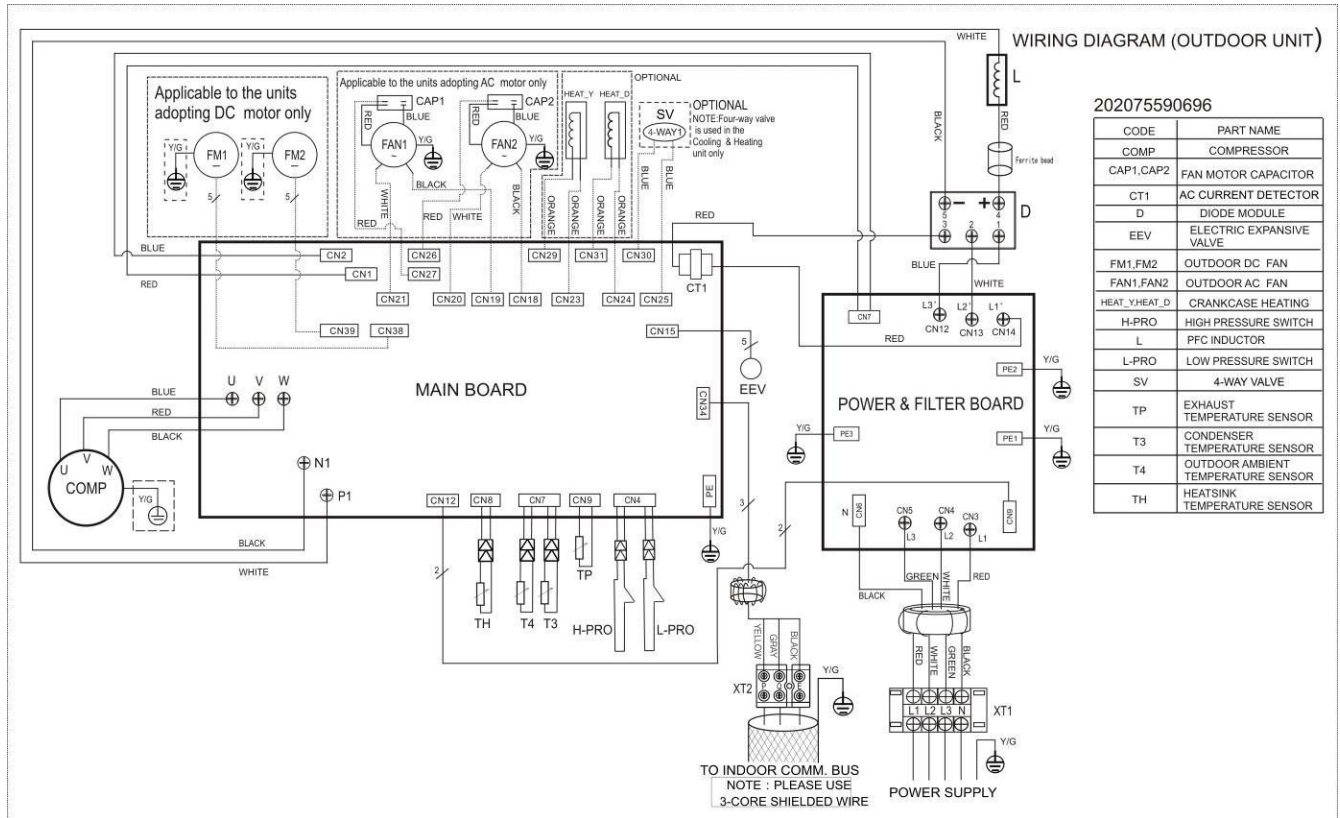
LXGISHMD036130M4

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WIRING DIAGRAM (OUTDOOR UNIT)



LXGISHMD048130M4, LXGISHMD060130M4



6. Electric Characteristics

Model	Outdoor Unit			
	Hz	Voltage	Min.	Max.
LXGISHMD012130T4	50	220-240	198	254
LXGISHMD018130T4	50	220-240	198	254
LXGISHMD024130T4	50	220-240	198	254
LXGISHMD030130T4	50	220-240	198	254
LXGISHMD036130M4	50	380-420	342	440
LXGISHMD048130M4	50	380-420	H G	440
LXGISHMD060130M4	50	380-420	H G	440

7. Operation Limits

Mode \ Temperature	Cooling operation	Heating operation	Drying operation
Room temperature	17°C~32°C	0°C~30°C	17°C~32°C
Outdoor temperature	0°C~50°C	-15°C~24°C	0°C~50°C
	(-15°C~50°C: For the models with low temperature cooling system)		

CAUTION:

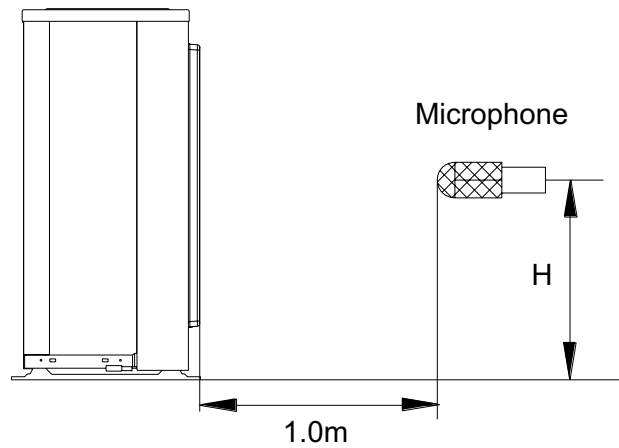
1. If the air conditioner is used beyond the above conditions, certain safety protection features may come into operation and cause the unit to operate abnormally.

2. The room relative humidity should be less than 80%. If the air conditioner operates beyond this figure, the surface of the air conditioner may attract condensation. Please set the vertical air flow louver to its maximum angle (vertically to the floor), and set HIGH fan mode.

3. The optimum performance will be achieved during this operating temperature zone.

8. Sound Levels

Outdoor Unit



Note: $H = 0.5 \times \text{height of outdoor unit}$

Model	Noise level dB(A)
	H
LXGISHMD012130T4	48
LXGISHMD018130T4	51
LXGISHMD024130T4	54
LXGISHMD030130T4	55
LXGISHMD036130M4	63
LXGISHMD048130M4	62
LXGISHMD060130M4	63
