



CONFIDENTIAL

LG Air Conditioner

SVC MANUAL(Exploded View)

Ceiling Cassette – Round

**MODEL : ZTNW36GYLA0 [UT36F NY0]
ZTNW48GYLA0 [UT48F NY0]**

CAUTION

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

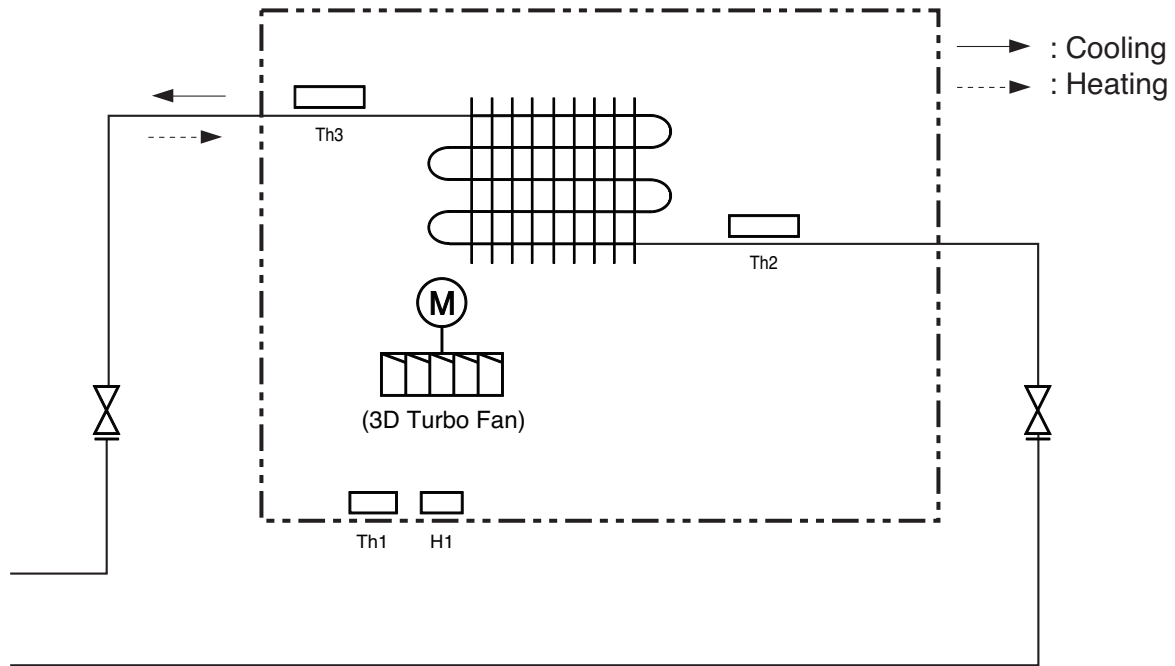
1. Specification

Model Name				ZTNW36GYLA0.ENWBEEU UT36F.NY0	ZTNW48GYLA0.ENWBEEU UT48F.NY0
				TY	TY
Power Supply			V, Ø, Hz	220-240, 1, 50	220-240, 1, 50
				220, 1, 60	220, 1, 60
Power and Communication Cable (included Earth)	IDU ↔ ODU	VCTF-SB	mm³ x Cores	0.75 x 4	0.75 x 4
Power Consumption		H / M / L	W	90 / 66 / 48	125 / 90 / 66
Running Current		H / M / L	A	0.7 / 0.6 / 0.4	0.8 / 0.7 / 0.6
		Max.	A	1.2	1.2
Air Flow Rate	Air Flow Rate	H / M / L (Cooling/Heating)	m³/min	25 / 21 / 19 28 / 23 / 21	29 / 25 / 21 32 / 27 / 23
	RPM	H / M / L (Cooling/Heating)	rev./m	600 / 510 / 470 660 / 570 / 510	670 / 600 / 510 700 / 630 / 550
Casing Color			-	Steal Gray White (Front)	Steal Gray White (Front)
Dimensions	Body	W x H x D	mm	1050 x 330 x1050	1050 x 330 x1050
	Shipping	W x H x D	mm	1137 x 395 x 1132	1137 x 395 x 1132
Weight	Body		kg	30	30
	Shipping		kg	38.6	38.6
Heat Exchanger	(Row x Column x Fins per inch) x No.		-	(2 x 12 x 21) x 1 (1 x 12 x 21) x 1	(2 x 12 x 21) x 1 (1 x 12 x 21) x 1
	Face Area		m²	0.47	0.47
Fan	Type		-	Turbo Fan	Turbo Fan
Fan Motor	Type		-	BLDC	BLDC
	Drive		-	Internal	Internal
	Output		W x No.	135.8 x 1	135.8 x 1
Sound Pressure Level	Cooling	H / M / L	dB(A)	44 / 40 / 38	47 / 44 / 40
	Heating	H / M / L	dB(A)	47 / 43 / 40	49 / 46 / 42
Sound Power Level	Cooling	Rated	dB(A)	59	60
	Heating	Rated	dB(A)	-	62
Refrigerant			-	R32	R32
Piping Connections	Liquid		mm	Ø 9.52 (3/8)	Ø 9.52 (3/8)
	Gas		mm	Ø 15.88 (5/8)	Ø 15.88 (5/8)
	Connections Method		-	Flared	Flared
Drain	Natural Drainage	O.D. / I.D.	mm	Ø 32.0 / 25.0	Ø 32.0 / 25.0
max allowable pressure	High / Low Pressue Parts		Mpa	4.32 / 2.4	4.32 / 2.4
Safety Devices			-	Fuse	Fuse
			-	Thermal Protector for Fan Motor	Thermal Protector for Fan Motor
continuous operating temperature range	Cooling		°C(WB)	12 ~ 23	12 ~ 23
	Heating		°C(DB)	16 ~ 30	16 ~ 30
Available Warranty temperature Range	Cooling		°C(WB)	12 ~ 23	12 ~ 23
	Heating		°C(DB)	16 ~ 30	16 ~ 30

Note

- Due to our policy of innovation some specifications may be changed without notification.
- Wiring cable size must comply with the applicable local and national code. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
- Sound Level Values are measured at Noise Measuring chamber accordance with standard. Therefore, these values depend on the ambient conditions and values are normally higher in actual operation(Sound Pressure : LG Internal standard, Sound Power : EN 12102 (ISO 3741)).
- Capacities are net capacities and based on the following conditions. Refer to the Outdoor Unit Specifications for calculating the real capacity.
 - Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
 - Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
 - Interconnected Pipe is standard length and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.

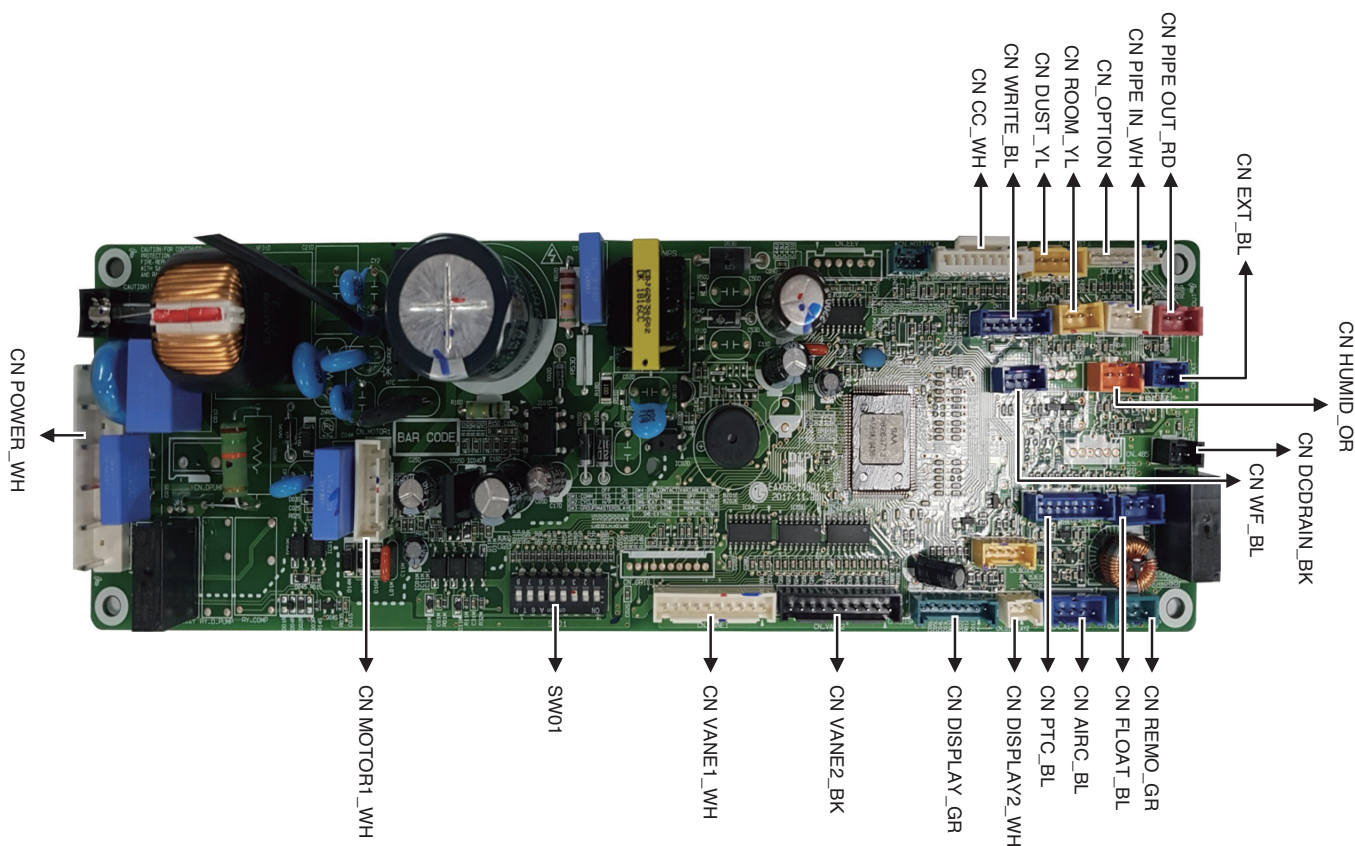
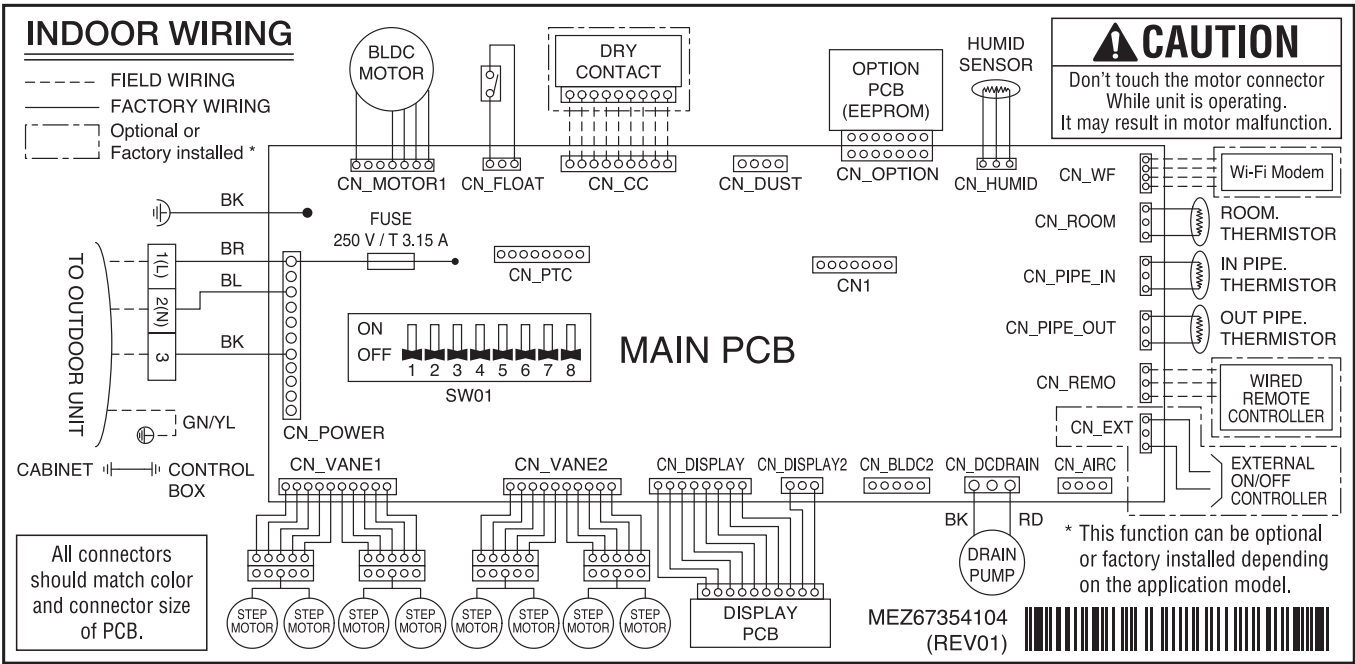
2. Piping Diagrams



LOC.	Description	PCB Coonnector
Th1	Thermistor for Indoor air temperature	CN_ROOM
Th2	Thermistor for evaporator inlet temperature	CN_PIPE_IN
Th3	Thermistor for evaporator outlet temperature	CN_PIPE_OUT
H1	Humid Sensor	CN_ROOM_HUMID

LOC	Description	PCB Connector (Color)
TH1	Thermistor for Indoor air temperature	CN_ROOM(YL)
TH2	Thermistor for Evaporator in temperature	CN_PIPE_IN(WH)
TH3	Thermistor for Evaporator out temperature	CN_PIPE_OUT(RD)
TH4	Thermistor for outdoor air temperature	CN-AIR(YL)
TH5	Thermistor for condenser pipe temperature	CN-C_PIPE(VI)
TH6	Thermistor for condenser middle pipe temperature	CN-MID(BR)
TH7	Thermistor for discharge pipe temperature	CN-DISCHARGE(BK)
TH8	Thermistor for suction pipe temperature	CN-SUCTION(GR)
P1	Pressure sensor	CN-H_PRESS(RD)

3. Wiring Diagrams



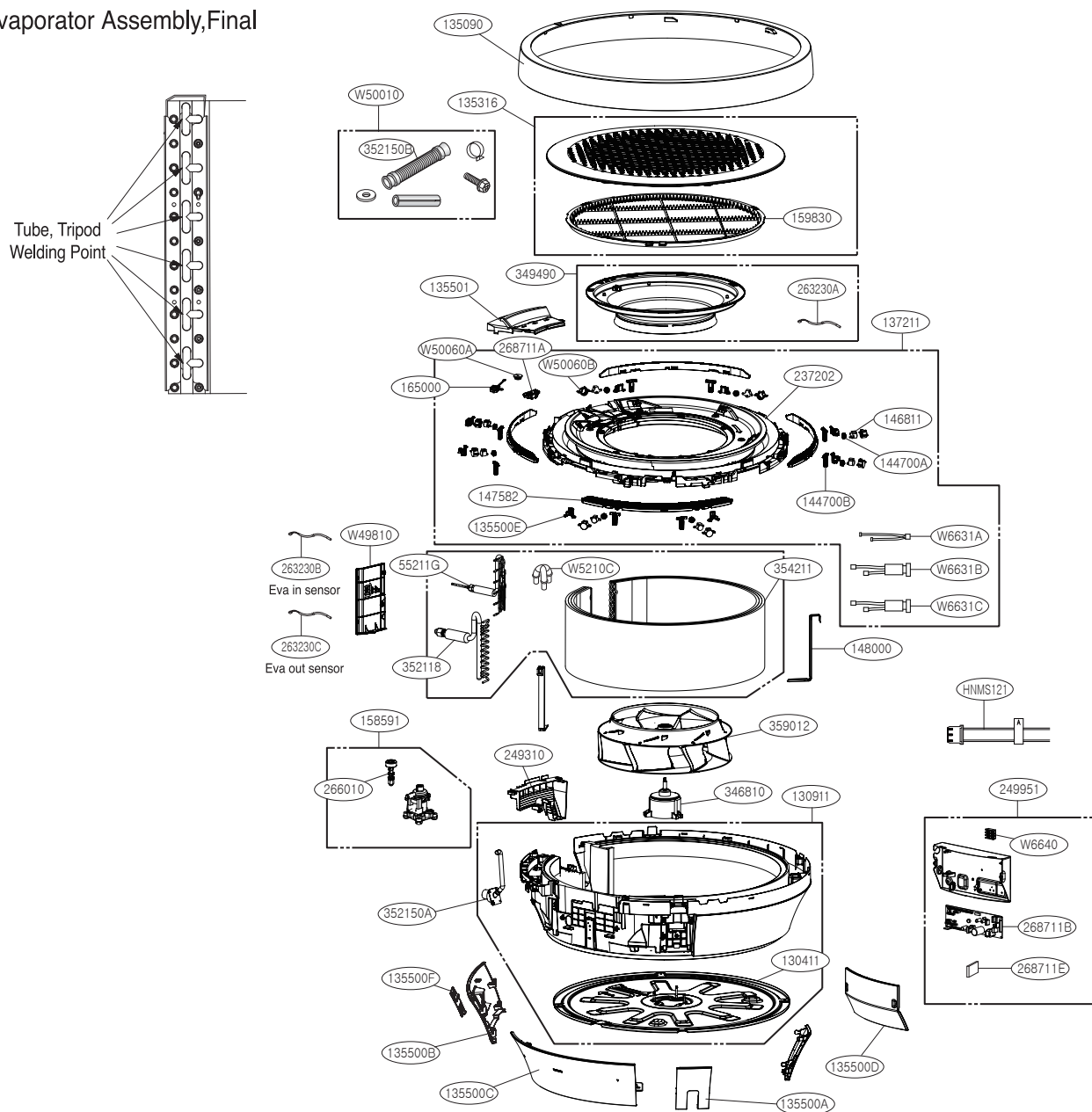
4. Exploded View

ZTNW36GYLA0 / ZTNW48GYLA0

- Evaporator Assembly,Final Required Part

Part (description)	SVC LOC	Q'ty
Evaporator Assembly,Bending	354211	1
Tube,Tripod	W5210C	6
Tube Assembly,Expansion	55211G	1
Tube Assembly, Manifold(Indoor)	352118	1

● Evaporator Assembly, Final



Location No.	Description	Sensor Information	Housing Color
263230A	Thermistor 1(CN_ROOM)	Air	Yellow
263230B	Thermistor 2(CN_PIPE_IN)	Eva In Pipe	White
263230C	Thermistor 3(CN_PIPE_OUT)	Eva Out Pipe	Red



P/NO : MFL71683710