



CONFIDENTIAL

Multi Air Conditioner

SVC MANUAL(Exploded View)

MODEL

ZMNW09GL5A1

ZMNW12GL5A1

ZMNW18GL6A1

ZMNQ09GL5A1

ZMNQ12GL5A1

ZMNQ18GL6A1

CAUTION

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

1. Specification

Model Name				ZMNW09GL5A1 ZMNQ09GL5A1	ZMNW12GL5A1 ZMNQ12GL5A1	ZMNW18GL6A1 ZMNQ18GL6A1
Power Supply			V, Ø, Hz	220-240, 1, 50 220,1,60	220-240, 1, 50 220,1,60	220-240, 1, 50 220,1,60
Power and Communication Cable (included Earth)		IDU ↔ ODU	VCTF-SB mm² x Cores	0.75 x 4	0.75 x 4	0.75 x 4
Power Consumption			H / M / L W	21 / 15 / 13	21 / 15 / 13	100 / 90 / 80
Running Current			H / M / L A	0.21 / 0.16 / 0.14	0.21 / 0.16 / 0.14	0.43 / 0.39 / 0.34
			Max. A	0.76	0.76	0.97
Air Flow Rate	Air Flow Rate	H / M / L	m³/min	11.5 / 9.5 / 8	11.5 / 9.5 / 8	15 / 12 / 10
	RPM	H / M / L	rev./m	1010 / 870 / 760	1010 / 870 / 760	1150 / 1080 / 930
	External static pressure	Factory Set	Pa(mmAq)	0 (0)	0 (0)	0 (0)
Casing Color			-	Steel Gray	Steel Gray	Steel Gray
Dimensions	Body	W x H x D	mm	900 x 190 x 460	900 x 190 x 460	1100 x 190 x 460
	Shipping	W x H x D	mm	1125 x 255 x 561	1125 x 255 x 561	1325 x 255 x 561
Weight	Body		kg	18.5	18.5	21.5
	Shipping		kg	21	21	24.5
Heat Exchanger	(Row x Column x Fins per inch) x No.		-	(2 x 6 x 18) x 2	(2 x 6 x 18) x 2	(2 x 6 x 18) x 2
	Face Area		m²	0.17	0.17	0.22
Fan	Type		-	Sirocco	Sirocco	Sirocco
Fan Motor	Type		-	BLDC	BLDC	BLDC
	Drive		-	Internal	Internal	Internal
	Output		W x No.	(19 x 1) + (5 x 1)	(19 x 1) + (5 x 1)	19 x 2
Sound Pressure Level	Cooling	H / M / L	dB(A)	35 / 30 / 27	35 / 30 / 27	34 / 31 / 29
	Heating	H / M / L	dB(A)	35 / 30 / 27	35 / 30 / 27	34 / 31 / 29
Sound Power Level	Cooling	Rated	dB(A)	55	55	56
	Heating	Rated	dB(A)	-	-	-
Refrigerant			-	R32	R32	R32
Piping Connections	Liquid		mm	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)
	Gas		mm	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 12.7 (1/2)
	Connections Method		-	Flared	Flared	Flared
Drain	Natural Drainage	O.D. / I.D.	mm	Φ 25.4 / 19.4	Φ 25.4 / 19.4	Φ 25.4 / 19.4
	Using Drain pump	O.D. / I.D.	mm	Φ 32.0 / 26.0	Φ 32.0 / 26.0	Φ 32.0 / 26.0
max allowable pressure	High / Low Pressue Parts		Mpa	4.2 / 2.4	4.2 / 2.4	4.2 / 2.4
Safety Devices			-	Fuse	Fuse	Fuse
			-	Thermal Protector for Fan Motor	Thermal Protector for Fan Motor	Thermal Protector for Fan Motor

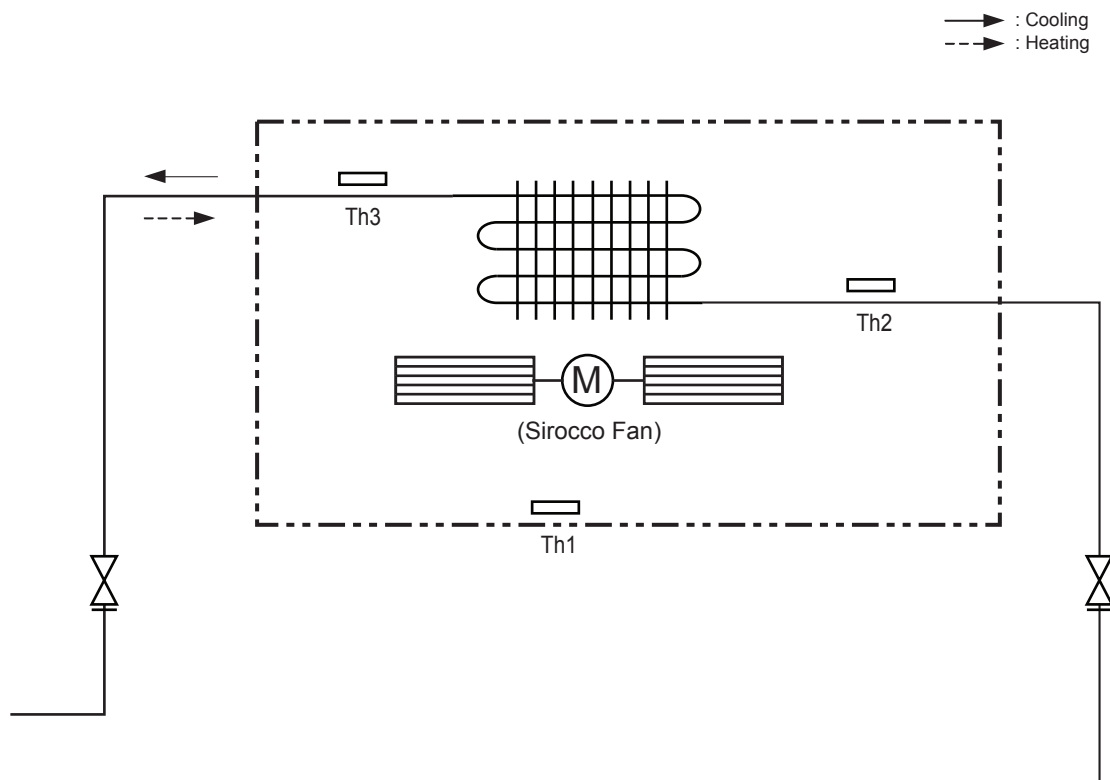
Note:

1. Wiring cable size must comply with the applicable local and national code.
2. Due to our policy of innovation some specifications may be changed without notification.
3. Sound level values are measured at anechoic chamber.

Therefore, these values can be increased owing to ambient conditions during operation.

2. Piping Diagrams

ZMNW09GL5A1/ZMNW12GL5A1/ZMNW18GL6A1
ZMNQ09GL5A1/ZMNQ12GL5A1/ZMNQ18GL6A1



LOC.	Description	PCB Connector
Th1	Thermistor for Indoor air temperature	CN_ROOM
Th2	Thermistor for Evaporator in temperature	CN_PIPE_IN
Th3	Thermistor for Evaporator out temperature	CN_PIPE_OUT

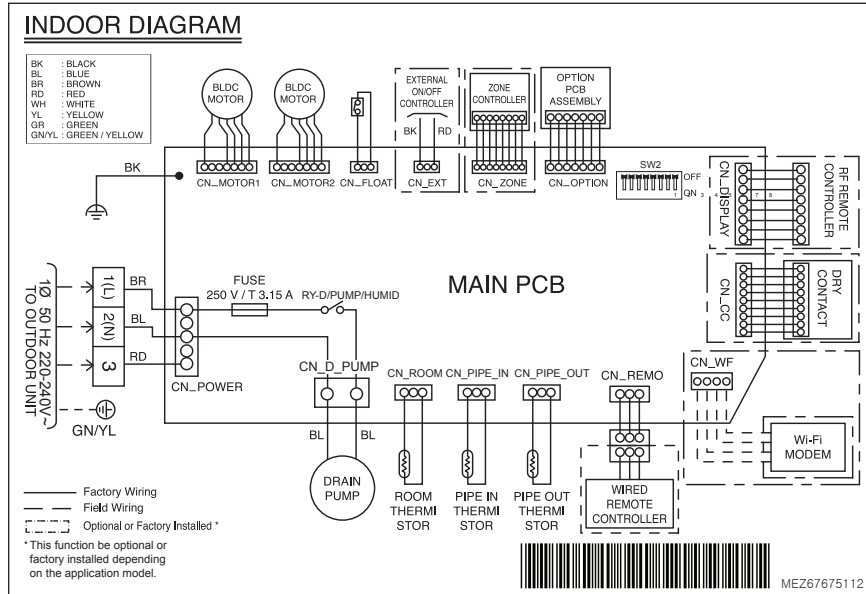
3. Wiring Diagrams

ZMNW09GL5A1

ZMNW12GL5A1

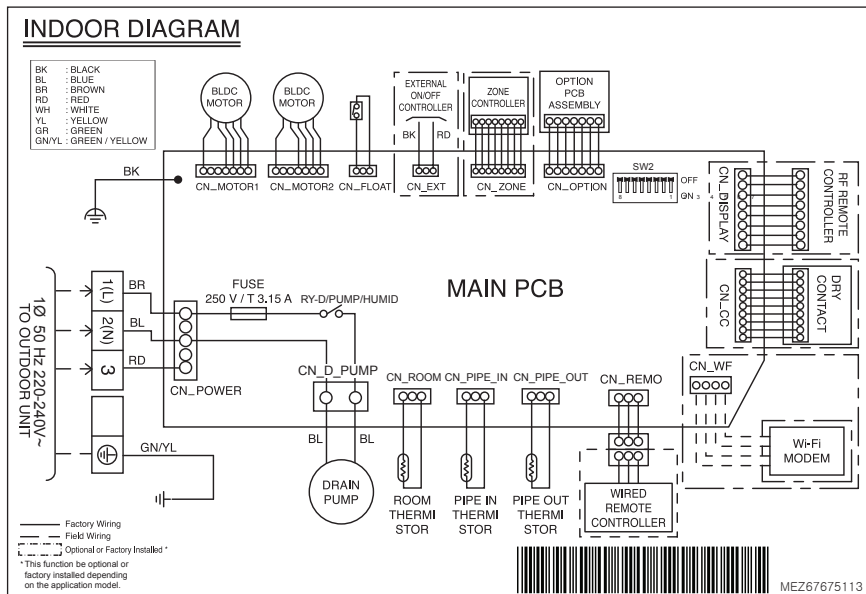
ZMNQ09GL5A1

ZMNQ12GL5A1



ZMNW18GL6A1

ZMNQ18GL6A1



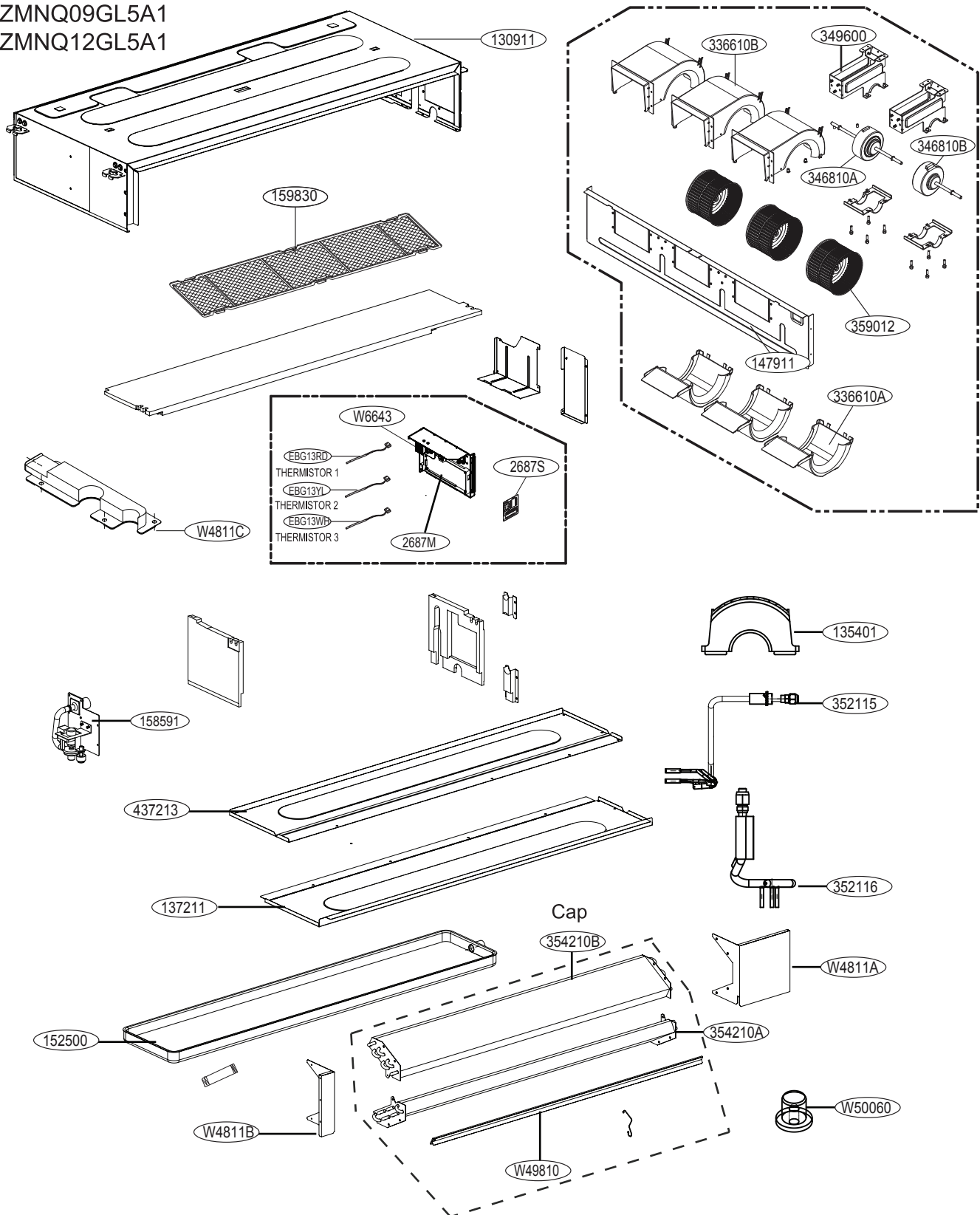
4. Exploded View

ZMNW09GL5A1

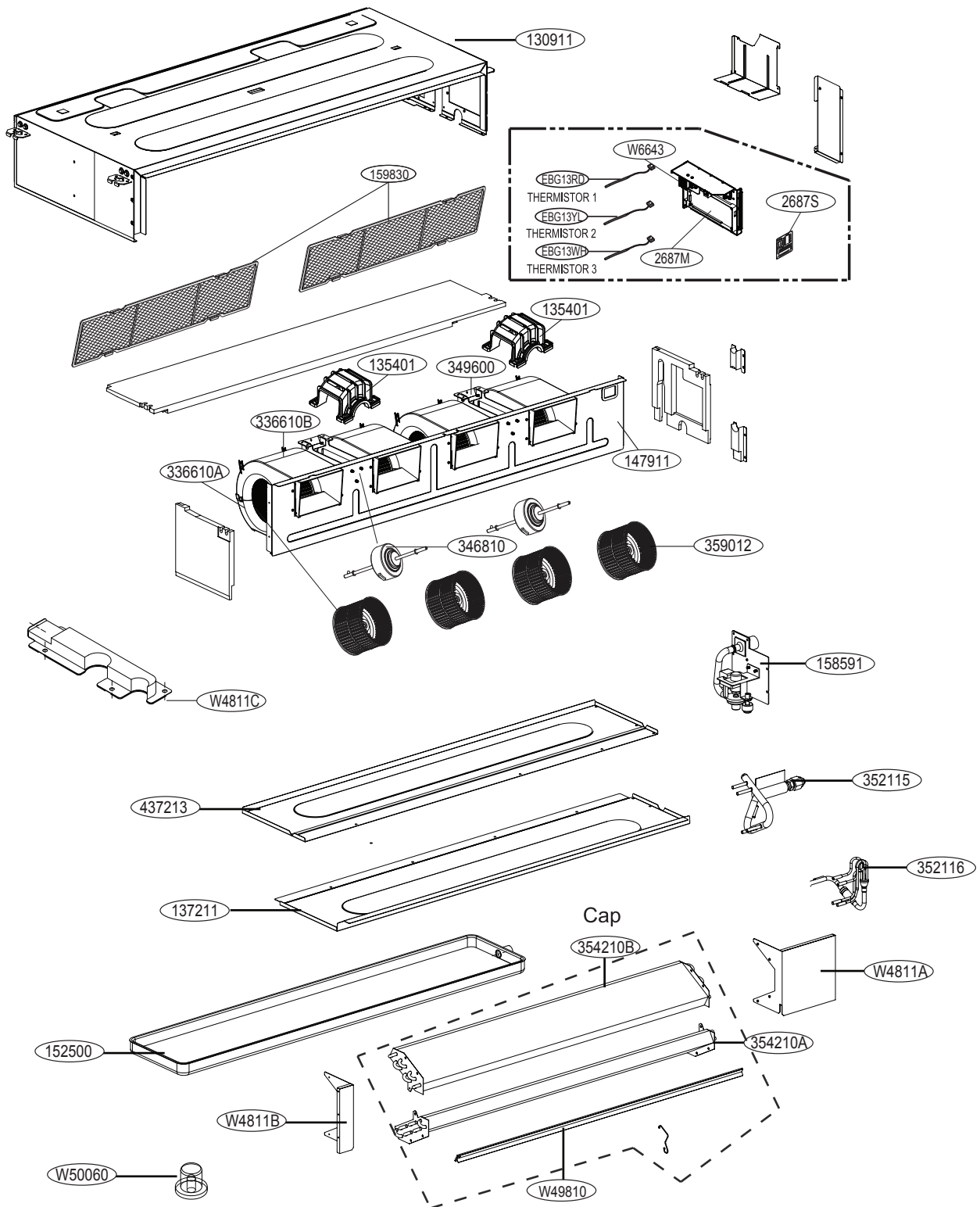
ZMNW12GL5A1

ZMNQ09GL5A1

ZMNQ12GL5A1



ZMNW18GL6A1
ZMNQ18GL6A1





P/NO : MFL67642635