Multi V Air Conditioner

SVC MANUAL(Exploded View)

MODEL :

ARNU073BGA4	ARNU283BRA4	ARNU073BHA4
ARNU093BGA4	ARNU363BRA4	ARNU093BHA4
ARNU123BGA4	ARNU423BRA4	ARNU123BHA4
ARNU153BGA4	ARNU483BRA4	ARNU153BHA4
ARNU183BGA4	ARNU543BRA4	ARNU183BHA4
ARNU243BGA4		ARNU243BHA4
ARNU283BGA4	ARNU363B8A4	
ARNU363BGA4	ARNU423B8A4	
ARNU423BGA4	ARNU483B8A4	
	ARNU543B8A4	
	ARNU763B8A4	
	ARNU963B8A4	

CAUTION

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

1. Specification

Type			Ceiling Concealed Duct(High Static)		
Model		Unit	ARNU073BHA4	ARNU093BHA4	ARNU123BHA4
Cooling Capacity		kW	2.2	2.8	3.6
		kcal/h	1,900	2,400	3,100
		Btu/h	7,500	9,600	12,300
Heating Capacity		kW	2.5	3.2	4
		kcal/h	2,200	2,800	3,400
		Btu/h	8,500	10,900	13,600
Casing			Galvanized Steel Plate	Galvanized Steel Plate	Galvanized Steel Plate
Dimensions(WxDxH)	Body	mm	882 x 260 x 450	882 x 260 x 450	882 x 260 x 450
		inch	34-23/32 x 10-1/4 x 17-23/32	34-23/32 x 10-1/4 x 17-23/32	34-23/32 x 10-1/4 x 17-23/32
Coil	Rows x Columns x FPI		2 x 10 x 21	2 x 10 x 21	2 x 10 x 21
	Face Area	$m^2(ft^2)$	0.15	0.15	0.15
Fan	Type		Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor Output x Number	W	154	154	154
	Running Current	A	1.06	1.06	1.06
	Air Flow Rate(H/M/L)	CMM	6.5 / 5.8 / 5.4	8.1 / 6.5 / 5.8	9.6 / 8.1 / 6.5
	(High Mode-factory set)	cfm	230 / 205 / 191	286 / 230 / 205	339 / 286 / 230
	External Static Pressure	mmAq (in.Aq)	8(78)	8(78)	8(78)
	Air Flow Rate(H/M/L)	CMM	7.3 / 6.3 / 5.6	7.3 / 6.3 / 5.6	8.7 / 7.3 / 5.6
	(Standard Mode)	cfm	258 / 222 / 198	258 / 222 / 198	307 / 258 / 198
	External Static Pressure	mmAq (in.Aq)	6(59)	6(59)	6(59)
	Drive		Direct	Direct	Direct
	Motor type		BLDC	BLDC	BLDC
Temperature Control			Microprocessor, Thermostat for cooling and heating	Microprocessor, Thermostat for cooling and heating	Microprocessor, Thermostat for cooling and heating
Sound Absorbing Thermal Insulation Material			Foamed polystrene	Foamed polystrene	Foamed polystrene
Air Filter			-	-	-
Safety Device			Fuse	Fuse	Fuse
Pipe Connections	Liquid Side	mm(inch)	Ø6.35(1/4)	Ø6.35(1/4)	Ø6.35(1/4)
	Gas Side	mm(inch)	Ø12.7(1/2)	Ø12.7(1/2)	Ø12.7(1/2)
	Drain Pipe(Internal Dia.)	mm(inch)	25(1)	25(1)	25(1)
Net Weight	Body	kg(lbs)	26(57.4)	26(57.4)	26(57.4)
Noise Level(Sound Press, 1.5m(4.9ft) H/M/L)		dB(A) + 1	34 / 33 / 32	36 / 35 / 33	37 / 35 / 34
Power Supply		Ø, V, Hz	1, 208/230, 60	1, 208/230, 60	1, 208/230, 60
Refrigerant Control			EEV	EEV	EEV
Power cable		mm^2	CV1.5 x 3C	CV1.5 x 3C	CV1.5 x 3C
Transmission Cable (AWG#-C)		mm^2	CVV-SB 1.0~1.5 x 2C	CVV-SB 1.0~1.5 x 2C	CVV-SB 1.0~1.5 x 2C

Notes:-

1. Capacities are based on the following conditions:
   - Cooling
     - Indoor temp. 27°C[80.6°F]DB/ 19°C[66.2°F]WB
     - Outdoor temp. 35°C[95°F]DB/ 24°C[75.2°F]WB
     - Interconnecting Piping Length 7.5m(24.6ft)
     - Level Difference of Zero
   - Heating
     - Indoor temp. 20°C[68°F]DB/ 15°C[59°F]WB
     - Outdoor temp. 7°C[44.6°F]DB/ 6°C[42.8°F]WB
     - Interconnecting Piping Length 7.5m(24.6ft)
     - Level Difference of Zero
2. Capacities are net capacities
3. Due to our policy of innovation some specifications may be changed without prior notification
4. To be added for more available Models
5. EEV : Electronic Expansion Valve
6. Noise Level is Standard Mode
   (for actual High Mode(factory set) condition, Noise Level may exceed the standard level by 1.5dBA)

Conversion Formula
kcal/h= kW x 860
Btu/h = kW x 3412
cfm = m^3/min x 35.3
l/s = CMM x 1000/60

Type			Ceiling Concealed Duct(High Static)		
Model		Unit	ARNU153BHA4	ARNU183BHA4	ARNU243BHA4
Cooling Capacity		kW	4.5	5.6	7.1
		kcal/h	3,900	4,800	6,100
		Btu/h	15,400	19,100	24,200
Heating Capacity		kW	5	6.3	8
		kcal/h	4,300	5,400	6,900
		Btu/h	17,100	21,500	27,300
Casing			Galvanized Steel Plate	Galvanized Steel Plate	Galvanized Steel Plate
Dimensions(WxDxH)	Body	mm	882 x 260 x 450	882 x 260 x 450	882 x 260 x 450
		inch	34-23/32 x 10-1/4 x 17-23/32	34-23/32 x 10-1/4 x 17-23/32	34-23/32 x 10-1/4 x 17-23/32
Coil	Rows x Columns x FPI		2 x 10 x 21	3 x 10 x 21	3 x 10 x 21
	Face Area	$m^2(ft^2)$	0.15	0.15	0.15
Fan	Type		Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor Output x Number	W	154	154	154
	Running Current	A	1.06	1.06	1.06
	Air Flow Rate(H/M/L)	CMM	11.3 / 9.6 / 6.5	13.0 / 11.3 / 9.6	16.0 / 14.4 / 13.0
	(High Mode-factory set)	cfm	399 / 339 / 230	459 / 399 / 339	565 / 509 / 459
	External Static Pressure	mmAq (in.Aq)	8(78)	8(78)	8(78)
	Air Flow Rate(H/M/L)	CMM	11.0 / 10.1 / 8.7	13.2 / 11.7 / 7.3	17.5 / 14.7 / 12.6
	(Standard Mode)	cfm	388 / 357 / 307	466 / 413 / 258	618 / 519 / 445
	External Static Pressure	mmAq (in.Aq)	6(59)	6(59)	6(59)
	Drive		Direct	Direct	Direct
	Motor type		BLDC	BLDC	BLDC
Temperature Control			Microprocessor, Thermostat for cooling and heating	Microprocessor, Thermostat for cooling and heating	Microprocessor, Thermostat for cooling and heating
Sound Absorbing Thermal Insulation Material			Foamed polystrene	Foamed polystrene	Foamed polystrene
Air Filter			-	-	-
Safety Device			Fuse	Fuse	Fuse
Pipe Connections	Liquid Side	mm(inch)	Ø6.35(1/4)	Ø6.35(1/4)	Ø9.52(3/8)
	Gas Side	mm(inch)	Ø12.7(1/2)	Ø12.7(1/2)	Ø15.88(5/8)
	Drain Pipe(Internal Dia.)	mm(inch)	25(1)	25(1)	25(1)
Net Weight	Body	kg(lbs)	26(57.4)	26.5(58.4)	26.5(58.4)
Noise Level(Sound Press, 1.5m(4.9ft) H/M/L)		dB(A) + 1	39 / 37 / 34	40 / 38 / 37	42 / 41 / 40
Power Supply		Ø, V, Hz	1, 208/230, 60	1, 208/230, 60	1, 208/230, 60
Refrigerant Control			EEV	EEV	EEV
Power cable		mm^2	CV1.5 x 3C	CV1.5 x 3C	CV1.5 x 3C
Transmission Cable (AWG#-C)		mm^2	CVV-SB 1.0~1.5 x 2C	CVV-SB 1.0~1.5 x 2C	CVV-SB 1.0~1.5 x 2C

Notes:-

1. Capacities are based on the following conditions:
   - Cooling
     - Indoor temp. 27°C[80.6°F]DB/ 19°C[66.2°F]WB
     - Outdoor temp. 35°C[95°F]DB/ 24°C[75.2°F]WB
     - Interconnecting Piping Length 7.5m(24.6ft)
     - Level Difference of Zero
   - Heating
     - Indoor temp. 20°C[68°F]DB/ 15°C[59°F]WB
     - Outdoor temp. 7°C[44.6°F]DB/ 6°C[42.8°F]WB
     - Interconnecting Piping Length 7.5m(24.6ft)
     - Level Difference of Zero
2. Capacities are net capacities
3. Due to our policy of innovation some specifications may be changed without prior notification
4. To be added for more available Models
5. EEV : Electronic Expansion Valve
6. Noise Level is Standard Mode
   (for actual High Mode(factory set) condition, Noise Level may exceed the standard level by 1.5dBA)

Conversion Formula
kcal/h= kW x 860
Btu/h = kW x 3412
cfm = m^3/min x 35.3
l/s = CMM x 1000/60

Type			Ceiling Concealed Duct(High Static)		
Model		Unit	ARNU073BGA4	ARNU093BGA4	ARNU123BGA4
Cooling Capacity		kW	2.2	2.8	3.6
		kcal/h	1,900	2,400	3,100
		Btu/h	7,500	9,600	12,300
Heating Capacity		kW	2.5	3.2	4
		kcal/h	2,200	2,800	3,400
		Btu/h	8,500	10,900	13,600
Casing			Galvanized Steel Plate	Galvanized Steel Plate	Galvanized Steel Plate
Dimensions(WxDxH)	Body	mm	1,182 x 298 x 450	1,182 x 298 x 450	1,182 x 298 x 450
		inch	46-17/32 x 11-23/32 x 17-23/32	46-17/32 x 11-23/32 x 17-23/32	46-17/32 x 11-23/32 x 17-23/32
Coil	Rows x Columns x FPI		3 x 12 x 21	3 x 12 x 21	3 x 12 x 21
	Face Area	$m^2(ft^2)$	0.26(2.82)	0.26(2.82)	0.26(2.82)
Fan	Type		Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor Output x Number	W	350	350	350
	Running Current	A	2.65	2.65	2.65
	Air Flow Rate(H/M/L)	CMM	12.5 / 11.5 / 9.4	12.8 / 11.5 / 9.4	13.5 / 12.1 / 9.4
	(High Mode-factory set)	cfm	441 / 406 / 332	452 / 406 / 332	477 / 427 / 332
	External Static Pressure	mmAq (in.Aq)	6(0.23)	6(0.23)	6(0.23)
	Air Flow Rate(H/M/L)	CMM	14.6 / 13.7 / 12.3	15.1 / 13.7 / 12.3	16.6 / 15.1 / 13.7
	(Standard Mode)	cfm	516 / 484 / 434	533 / 484 / 434	586 / 533 / 484
	External Static Pressure	mmAq (in.Aq)	4(0.15)	4(0.15)	4(0.15)
	Drive		Direct	Direct	Direct
	Motor type		BLDC	BLDC	BLDC
Temperature Control			Microprocessor, Thermostat for cooling and heating	Microprocessor, Thermostat for cooling and heating	Microprocessor, Thermostat for cooling and heating
Sound Absorbing Thermal Insulation Material			Foamed polystrene	Foamed polystrene	Foamed polystrene
Air Filter			-	-	-
Safety Device			Fuse	Fuse	Fuse
Pipe Connections	Liquid Side	mm(inch)	Ø9.52(3/8)	Ø9.52(3/8)	Ø9.52(3/8)
	Gas Side	mm(inch)	Ø15.88(5/8)	Ø15.88(5/8)	Ø15.88(5/8)
	Drain Pipe(Internal Dia.)	mm(inch)	25(1)	25(1)	25(1)
Net Weight	Body	kg(lbs)	38(83.8)	38(83.8)	38(83.8)
Noise Level(Sound Press, 1.5m(4.9ft) H/M/L)		dB(A) + 1	35 / 35 / 34	35 / 35 / 34	36 / 35 / 34
Power Supply		Ø, V, Hz	1, 208/230, 60	1, 208/230, 60	1, 208/230, 60
Refrigerant Control			EEV	EEV	EEV
Power cable		mm^2	CV1.5 x 3C	CV1.5 x 3C	CV1.5 x 3C
Transmission Cable (AWG#-C)		mm^2	CVV-SB 1.0~1.5 x 2C (12-2)	CVV-SB 1.0~1.5 x 2C (12-2)	CVV-SB 1.0~1.5 x 2C (12-2)

Notes:-

1. Capacities are based on the following conditions:
   - Cooling
     - Indoor temp. 27°C[80.6°F]DB/ 19°C[66.2°F]WB
     - Outdoor temp. 35°C[95°F]DB/ 24°C[75.2°F]WB
     - Interconnecting Piping Length 7.5m(24.6ft)
     - Level Difference of Zero
   - Heating
     - Indoor temp. 20°C[68°F]DB/ 15°C[59°F]WB
     - Outdoor temp. 7°C[44.6°F]DB/ 6°C[42.8°F]WB
     - Interconnecting Piping Length 7.5m(24.6ft)
     - Level Difference of Zero
2. Capacities are net capacities
3. Due to our policy of innovation some specifications may be changed without prior notification
4. To be added for more available Models
5. EEV : Electronic Expansion Valve
6. Noise Level is Standard Mode
   (for actual High Mode(factory set) condition, Noise Level may exceed the standard level by 1.5dBA)

Conversion Formula
kcal/h= kW x 860
Btu/h = kW x 3412
cfm = m^3/min x 35.3
l/s = CMM x 1000/60

Type			Ceiling Concealed Duct(High Static)		
Model		Unit	ARNU153BGA4	ARNU183BGA4	ARNU243BGA4
Cooling Capacity		kW	4.5	5.6	7.1
		kcal/h	3,900	4,800	6,100
		Btu/h	15,400	19,100	24,200
Heating Capacity		kW	5	6.3	8
		kcal/h	4,300	5,400	6,900
		Btu/h	17,100	21,500	27,300
Casing			Galvanized Steel Plate	Galvanized Steel Plate	Galvanized Steel Plate
Dimensions(WxDxH)	Body	mm	1,182 x 298 x 450	1,182 x 298 x 450	1,182 x 298 x 450
		inch	46-17/32 x 11-23/32 x 17-23/32	46-17/32 x 11-23/32 x 17-23/32	46-17/32 x 11-23/32 x 17-23/32
Coil	Rows x Columns x FPI		3 x 12 x 21	3 x 12 x 21	3 x 12 x 21
	Face Area	$m^2(ft^2)$	0.26(2.82)	0.26(2.82)	0.26(2.82)
Fan	Type		Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor Output x Number	W	350	350	350
	Running Current	A	2.65	2.65	2.65
	Air Flow Rate(H/M/L)	CMM	13.8 / 11.8 / 8.3	15.2 / 13.8 / 11.8	19.0 / 15.2 / 13.8
	(High Mode-factory set)	cfm	487 / 417 / 293	537 / 487 / 417	671 / 537 / 487
	External Static Pressure	mmAq (in.Aq)	8(0.31)	8(0.31)	8(0.31)
	Air Flow Rate(H/M/L)	CMM	13.5 / 12.1 / 9.0	15.5 / 13.3 / 12.1	19.0 / 16.3 / 15.5
	(Standard Mode)	cfm	477 / 427 / 318	547 / 470 / 427	671 / 576 / 547
	External Static Pressure	mmAq (in.Aq)	6(0.23)	6(0.23)	6(0.23)
	Drive		Direct	Direct	Direct
	Motor type		BLDC	BLDC	BLDC
Temperature Control			Microprocessor, Thermostat for cooling and heating	Microprocessor, Thermostat for cooling and heating	Microprocessor, Thermostat for cooling and heating
Sound Absorbing Thermal Insulation Material			Foamed polystrene	Foamed polystrene	Foamed polystrene
Air Filter			-	-	-
Safety Device			Fuse	Fuse	Fuse
Pipe Connections	Liquid Side	mm(inch)	Ø9.52(3/8)	Ø9.52(3/8)	Ø9.52(3/8)
	Gas Side	mm(inch)	Ø15.88(5/8)	Ø15.88(5/8)	Ø15.88(5/8)
	Drain Pipe(Internal Dia.)	mm(inch)	25(1)	25(1)	25(1)
Net Weight	Body	kg(lbs)	38(83.8)	38(83.8)	38(83.8)
Noise Level(Sound Press, 1.5m(4.9ft) H/M/L)		dB(A) + 1	35 / 35 / 34	35 / 35 / 34	36 / 35 / 34
Power Supply		Ø, V, Hz	1, 208/230, 60	1, 208/230, 60	1, 208/230, 60
Refrigerant Control			EEV	EEV	EEV
Power cable		mm^2	CV1.5 x 3C	CV1.5 x 3C	CV1.5 x 3C
Transmission Cable (AWG#-C)		mm^2	CVV-SB 1.0~1.5 x 2C (12-2)	CVV-SB 1.0~1.5 x 2C (12-2)	CVV-SB 1.0~1.5 x 2C (12-2)

Notes:-

1. Capacities are based on the following conditions:
   - Cooling
     - Indoor temp. 27°C[80.6°F]DB/ 19°C[66.2°F]WB
     - Outdoor temp. 35°C[95°F]DB/ 24°C[75.2°F]WB
     - Interconnecting Piping Length 7.5m(24.6ft)
     - Level Difference of Zero
   - Heating
     - Indoor temp. 20°C[68°F]DB/ 15°C[59°F]WB
     - Outdoor temp. 7°C[44.6°F]DB/ 6°C[42.8°F]WB
     - Interconnecting Piping Length 7.5m(24.6ft)
     - Level Difference of Zero
2. Capacities are net capacities
3. Due to our policy of innovation some specifications may be changed without prior notification
4. To be added for more available Models
5. EEV : Electronic Expansion Valve
6. Noise Level is Standard Mode
   (for actual High Mode(factory set) condition, Noise Level may exceed the standard level by 1.5dBA)

Conversion Formula
kcal/h= kW x 860
Btu/h = kW x 3412
cfm = m^3/min x 35.3
l/s = CMM x 1000/60

Type			Ceiling Concealed Duct(High Static)		
Model		Unit	ARNU283BGA4	ARNU363BGA4	ARNU423BGA4
Cooling Capacity		kW	8.2	10.6	12.3
		kcal/h	7,100	9,100	10,600
		Btu/h	28,000	36,200	42,000
Heating Capacity		kW	9.2	11.9	13.8
		kcal/h	8,000	10,200	11,000
		Btu/h	31,500	40,600	43,800
Casing			Galvanized Steel Plate	Galvanized Steel Plate	Galvanized Steel Plate
Dimensions(WxDxH)	Body	mm	1,182 x 298 x 450	1,182 x 298 x 450	1,182 x 298 x 450
		inch	46-17/32 x 11-23/32 x 17-23/32	46-17/32 x 11-23/32 x 17-23/32	46-17/32 x 11-23/32 x 17-23/32
Coil	Rows x Columns x FPI		3 x 12 x 21	3 x 12 x 21	3 x 12 x 21
	Face Area	$m^2(ft^2)$	0.26(2.82)	0.26(2.82)	0.26(2.82)
Fan	Type		Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor Output x Number	W	350	350	350
	Running Current	A	2.65	2.65	2.65
	Air Flow Rate(H/M/L)	CMM	25.9 / 24.1 / 21.8	32.3 / 29.0 / 25.3	34.5 / 32.3 / 30.7
	(High Mode-factory set)	cfm	915 / 851 / 770	1,141 / 1,024 / 894	1,218 / 1,141 / 1,084
	External Static Pressure	mmAq (in.Aq)	10(0.39)	10(0.39)	10(0.39)
	Air Flow Rate(H/M/L)	CMM	25.3 / 21.8 / 17.6	28.4 / 25.3 / 21.8	32.0 / 28.4 / 27.2
	(Standard Mode)	cfm	893 / 770 / 622	1,003 / 894 / 770	1,130 / 1,003 / 961
	External Static Pressure	mmAq (in.Aq)	8(0.31)	8(0.31)	8(0.31)
	Drive		Direct	Direct	Direct
	Motor type		BLDC	BLDC	BLDC
Temperature Control			Microprocessor, Thermostat for cooling and heating	Microprocessor, Thermostat for cooling and heating	Microprocessor, Thermostat for cooling and heating
Sound Absorbing Thermal Insulation Material			Foamed polystrene	Foamed polystrene	Foamed polystrene
Air Filter			-	-	-
Safety Device			Fuse	Fuse	Fuse
Pipe Connections	Liquid Side	mm(inch)	Ø9.52(3/8)	Ø9.52(3/8)	Ø9.52(3/8)
	Gas Side	mm(inch)	Ø15.88(5/8)	Ø15.88(5/8)	Ø15.88(5/8)
	Drain Pipe(Internal Dia.)	mm(inch)	25(1)	25(1)	25(1)
Net Weight	Body	kg(lbs)	38(83.8)	38(83.8)	38(83.8)
Noise Level(Sound Press, 1.5m(4.9ft) H/M/L)		dB(A) + 1	36 / 35 / 34	36 / 35 / 34	36 / 35 / 34
Power Supply		Ø, V, Hz	1, 208/230, 60	1, 208/230, 60	1, 208/230, 60
Refrigerant Control			EEV	EEV	EEV
Power cable		mm^2	CV1.5 x 3C	CV1.5 x 3C	CV1.5 x 3C
Transmission Cable (AWG#-C)		mm^2	CVV-SB 1.0~1.5 x 2C (12-2)	CVV-SB 1.0~1.5 x 2C (12-2)	CVV-SB 1.0~1.5 x 2C (12-2)

Notes:-

1. Capacities are based on the following conditions:
   - Cooling
     - Indoor temp. 27°C[80.6°F]DB/ 19°C[66.2°F]WB
     - Outdoor temp. 35°C[95°F]DB/ 24°C[75.2°F]WB
     - Interconnecting Piping Length 7.5m(24.6ft)
     - Level Difference of Zero
   - Heating
     - Indoor temp. 20°C[68°F]DB/ 15°C[59°F]WB
     - Outdoor temp. 7°C[44.6°F]DB/ 6°C[42.8°F]WB
     - Interconnecting Piping Length 7.5m(24.6ft)
     - Level Difference of Zero
2. Capacities are net capacities
3. Due to our policy of innovation some specifications may be changed without prior notification
4. To be added for more available Models
5. EEV : Electronic Expansion Valve
6. Noise Level is Standard Mode
   (for actual High Mode(factory set) condition, Noise Level may exceed the standard level by 1.5dBA)

Conversion Formula
kcal/h= kW x 860
Btu/h = kW x 3412
cfm = m^3/min x 35.3
l/s = CMM x 1000/60

Type			Ceiling Concealed Duct -High Static		
Model		Unit	ARNU283BRA4	ARNU363BRA4	ARNU423BRA4
Cooling Capacity		kW	8.2	10.6	12.3
		kcal/h	7,100	9,100	10,600
		Btu/h	28,000	36,200	42,000
Heating Capacity		kW	9.2	11.9	13.8
		kcal/h	8,000	10,200	11,000
		Btu/h	31,500	40,600	43,800
Casing			Galvanized Steel Plate	Galvanized Steel Plate	Galvanized Steel Plate
Dimensions (WxHxD)	Body	mm	1,230 x 380 x 590	1,230 x 380 x 590	1,230 x 380 x 590
		inch	48-7/16 x 14-31/32 x 23-7/32	48-7/16 x 14-31/32 x 23-7/32	48-7/16 x 14-31/32 x 23-7/32
Coil	Rows x Columns x FPI		3 x 13 x 19	3 x 13 x 19	3 x 13 x 19
	Face Area	m²(sq.ft)	0.38(4.12)	0.38(4.12)	0.38(4.12)
Fan	Type		Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor Output x Number	W	185 x 2	185 x 2	185 x 2
	Running Current	A	3.5	3.5	3.5
	Air Flow Rate(H / M / L)	CMM	36.2 / 32.1 / 28.5	39.1 / 33.3 / 29.7	42.2 / 39.1 / 33.3
	(High Mode-Factory Set)	cfm	1,278 / 1,134 / 1,007	1,381 / 1,176 / 1,049	1,490 / 1,381 / 1,176
	Ext Static Pressure	mmAq(in.Aq)	14(140)	14(140)	14(140)
	Air Flow Rate(H / M / L)	CMM	32.6 / 31.3 / 30.4	40.5 / 32.6 / 31.3	42.4 / 40.5 / 32.6
	(Standard Mode)	cfm	1,151 / 1,105 / 1,074	1,430 / 1,151 / 1,105	1,497 / 1,430 / 1,151
	Ext Static Pressure	mmAq(in.Aq)	10(100)	10(100)	10(100)
	Drive		Direct	Direct	Direct
	Motor type		BLDC	BLDC	BLDC
Temperature Control			Microprocessor, Thermostat for cooling and heating	Microprocessor, Thermostat for cooling and heating	Microprocessor, Thermostat for cooling and heating
Sound Absorbing Thermal Insulation Material			Foamed polystrene	Foamed polystrene	Foamed polystrene
Air Filter			-	-	-
Safety Device			Fuse	Fuse	Fuse
Pipe Connections	Liquid Side	mm(inch)	Ø9.52(3/8)	Ø9.52(3/8)	Ø9.52(3/8)
	Gas Side	mm(inch)	Ø15.88(5/8)	Ø15.88(5/8)	Ø15.88(5/8)
	Drain Pipe(Internal Dia.)	mm(inch)	25(1)	25(1)	25(1)
Net Weight	Body	kg(lbs)	53(116.8)	53(116.8)	53(116.8)
Noise Level(Sound Press, 1.5m, H / M / L)		dB(A)	41 / 40 / 39	42 / 41 / 40	43 / 42 / 41
Power Supply		Ø, V, Hz	1, 208/230, 60	1, 208/230, 60	1, 208/230, 60
Refrigerant Control			EEV	EEV	EEV
Power cable		mm²	CV1.5 x 3C	CV1.5 x 3C	CV1.5 x 3C
Transmission Cable(AWG#-C)		mm²	CVV-SB 1.0-1.5 x 2C	CVV-SB 1.0-1.5 x 2C	CVV-SB 1.0-1.5 x 2C

Notes:-

1. Capacities are based on the following conditions:
   - Cooling
     - Indoor temp. 27°C[80.6°F]DB/ 19°C[66.2°F]WB
     - Outdoor temp. 35°C[95°F]DB/ 24°C[75.2°F]WB
     - Interconnecting Piping Length 7.5m(24.6ft)
     - Level Difference of Zero
   - Heating
     - Indoor temp. 20°C[68°F]DB/ 15°C[59°F]WB
     - Outdoor temp. 7°C[44.6°F]DB/ 6°C[42.8°F]WB
     - Interconnecting Piping Length 7.5m(24.6ft)
     - Level Difference of Zero
2. Capacities are net capacities
3. Due to our policy of innovation some specifications may be changed without prior notification
4. To be added for more available Models
5. EEV : Electronic Expansion Valve
6. Noise Level is Standard Mode
   (for actual High Mode(factory set) condition, Noise Level may exceed the standard level by 1.5dBA)

Conversion Formula
kcal/h= kW x 860
Btu/h = kW x 3412
cfm = m³/min x 35.3
l/s = CMM x 1000/60

Type			Ceiling Concealed Duct(High Static)	
Model		Unit	ARNU483BRA4	ARNU543BRA4
Cooling Capacity		kW	14.1	15.8
		kcal/h	12,100	13,600
		Btu/h	48,100	54,000
Heating Capacity		kW	15.9	18
		kcal/h	13,200	15,500
		Btu/h	51,200	61,400
Casing			Galvanized Steel Plate	Galvanized Steel Plate
Dimensions(WxDxH)	Body	mm	1,230 x 380 x 590	1,230 x 380 x 590
		inch	48-7/16 x 14-31/32 x 23-7/32	48-7/16 x 14-31/32 x 23-7/32
Coil	Rows x Columns x FPI		3 x 13 x 19	3 x 13 x 19
	Face Area	$m^2(ft^2)$	0.38(4.12)	0.38(4.12)
Fan	Type		Sirocco Fan	Sirocco Fan
	Motor Output x Number	W	185 x 2	185 x 2
	Running Current	A	3.5	3.5
	Air Flow Rate(H/M/L)	CMM	44.8 / 40.6 / 33.3	51.0 / 44.8 / 40.6
	(High Mode-factory set)	cfm	1,582 / 1,434 / 1,176	1,801 / 1,582 / 1,434
	External Static Pressure	mmAq (in.Aq)	14(0.55)	14(0.55)
	Air Flow Rate(H/M/L)	CMM	44.4 / 39.5 / 33.5	51.5 / 47.5 / 39.5
	(Standard Mode)	cfm	1,568 / 1,395 / 1,183	1,819 / 1,678 / 1,395
	External Static Pressure	mmAq (in.Aq)	10(0.39)	10(0.39)
	Drive		Direct	Direct
	Motor type		BLDC	BLDC
Temperature Control			Microprocessor, Thermostat for cooling and heating	Microprocessor, Thermostat for cooling and heating
Sound Absorbing Thermal Insulation Material			Foamed polystrene	Foamed polystrene
Air Filter			-	-
Safety Device			Fuse	Fuse
Pipe Connections	Liquid Side	mm(inch)	Ø9.52(3/8)	Ø9.52(3/8)
	Gas Side	mm(inch)	Ø15.88(5/8)	Ø15.88(5/8)
	Drain Pipe(Internal Dia.)	mm(inch)	25(1)	25(1)
Net Weight	Body	kg(lbs)	53(117)	53(117)
Noise Level(Sound Press, 1.5m(4.9ft) H/M/L)		dB(A) + 1	45 / 43 / 41	46 / 45 / 43
Power Supply		Ø, V, Hz	1, 208/230, 60	1, 208/230, 60
Refrigerant Control			EEV	EEV
Power cable		mm^2	CV1.5 x 3C	CV1.5 x 3C
Transmission Cable (AWG#-C)		mm^2	CVV-SB 1.0~1.5 x 2C (12-2)	CVV-SB 1.0~1.5 x 2C (12-2)

Notes:-

1. Capacities are based on the following conditions:
   - Cooling
     - Indoor temp. 27°C[80.6°F]DB/ 19°C[66.2°F]WB
     - Outdoor temp. 35°C[95°F]DB/ 24°C[75.2°F]WB
     - Interconnecting Piping Length 7.5m(24.6ft)
     - Level Difference of Zero
   - Heating
     - Indoor temp. 20°C[68°F]DB/ 15°C[59°F]WB
     - Outdoor temp. 7°C[44.6°F]DB/ 6°C[42.8°F]WB
     - Interconnecting Piping Length 7.5m(24.6ft)
     - Level Difference of Zero
2. Capacities are net capacities
3. Due to our policy of innovation some specifications may be changed without prior notification
4. To be added for more available Models
5. EEV : Electronic Expansion Valve
6. Noise Level is Standard Mode
   (for actual High Mode(factory set) condition, Noise Level may exceed the standard level by 1.5dBA)

Conversion Formula
kcal/h= kW x 860
Btu/h = kW x 3412
cfm = m^3/min x 35.3
l/s = CMM x 1000/60

Type			Ceiling Concealed Duct(High Static)		
Model		Unit	ARNU363B8A4	ARNU423B8A4	ARNU483B8A4
Cooling Capacity		kW	10.6	12.3	14.1
		kcal/h	9,100	10,600	12,100
		Btu/h	36,200	42,000	48,100
Heating Capacity		kW	11.9	13.8	15.9
		kcal/h	10,200	11,000	13,200
		Btu/h	40,600	43,800	51,200
Casing			Galvanized Steel Plate	Galvanized Steel Plate	Galvanized Steel Plate
Dimensions (WxHxD)	Body	mm	1,562 x 460 x 688	1,562 x 460 x 688	1,562 x 460 x 688
		inch	61-1/2 x 18-1/8 x 27-3/32	61-1/2 x 18-1/8 x 27-3/32	61-1/2 x 18-1/8 x 27-3/32
Coil	Rows x Columns x FPI		3 x 21 x 19	3 x 21 x 19	3 x 21 x 19
	Face Area	m^2(sq.ft)	0.59(6.39)	0.59(6.39)	0.59(6.39)
Fan	Type		Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor Output x Number	W	400 x 2	400 x 2	400 x 2
	Running Current	A	5.12	5.12	5.12
	Air Flow Rate(H / M / L) (High Mode-Factory Set)	CMM	49.0 / 37.3 / 30.2	54.2 / 41.3 / 31.8	57.2 / 43.0 / 34.0
		cfm	1,730 / 1,317 / 1,066	1,914 / 1,458 / 1,123	2,019 / 1,518 / 1,200
	Ext Static Pressure	mmAq(in.Aq)	18(0.71)	18(0.71)	18(0.71)
	Air Flow Rate(H / M / L) (Standard Mode)	CMM	53.7 / 49.5 / 43.9	55.6 / 50.6 / 45.0	58.0 / 52.3 / 47.3
		cfm	1,896 / 1,748 / 1,550	1,963 / 1,786 / 1,589	2,048 / 1,846 / 1,670
	Ext Static Pressure	mmAq(in.Aq)	9(0.59)	9(0.59)	9(0.59)
	Drive		Direct	Direct	Direct
	Motor type		BLDC	BLDC	BLDC
Temperature Control			Microprocessor, Thermostat for cooling and heating	Microprocessor, Thermostat for cooling and heating	Microprocessor, Thermostat for cooling and heating
Sound Absorbing Thermal Insulation Material			Foamed polystrene	Foamed polystrene	Foamed polystrene
Air Filter			-	-	-
Safety Device			Fuse	Fuse	Fuse
Pipe Connections	Liquid Side	mm(inch)	Ø9.52(3/8)	Ø9.52(3/8)	Ø9.52(3/8)
	Gas Side	mm(inch)	Ø19.05(3/4)	Ø19.05(3/4)	Ø19.05(3/4)
	Drain Pipe(Internal Dia.)	mm(inch)	25(1)	25(1)	25(1)
Net Weight	Body	kg(lbs)	87(192)	87(192)	87(192)
Noise Level(Sound Press, 1.5m, H / M / L)		dB(A)	46 / 45 / 42	47 / 46 / 43	47 / 46 / 44
Power Supply		Ø, V, Hz	1, 208/230, 60	1, 208/230, 60	1, 208/230, 60
Refrigerant Control			EEV	EEV	EEV
Power Cable		mm^2	CV1.5 x 3C	CV1.5 x 3C	CV1.5 x 3C
Transmission Cable(AWG#-C)		mm^2	CVV-SB 1.0~1.5 x 2C	CVV-SB 1.0~1.5 x 2C	CVV-SB 1.0~1.5 x 2C

Notes:-

1. Capacities are based on the following conditions:
   - Cooling
     - Indoor temp. 27°C[80.6°F]DB/ 19°C[66.2°F]WB
     - Outdoor temp. 35°C[95°F]DB/ 24°C[75.2°F]WB
     - Interconnecting Piping Length 7.5m(24.6ft)
     - Level Difference of Zero
   - Heating
     - Indoor temp. 20°C[68°F]DB/ 15°C[59°F]WB
     - Outdoor temp. 7°C[44.6°F]DB/ 6°C[42.8°F]WB
     - Interconnecting Piping Length 7.5m(24.6ft)
     - Level Difference of Zero
2. Capacities are net capacities
3. Due to our policy of innovation some specifications may be changed without prior notification
4. To be added for more available Models
5. EEV : Electronic Expansion Valve
6. Noise Level is Standard Mode
   (for actual High Mode(factory set) condition, Noise Level may exceed the standard level by 1.5dBA)

Conversion Formula
kcal/h= kW x 860
Btu/h = kW x 3412
cfm = m^3/min x 35.3
l/s = CMM x 1000/60

Type			Ceiling Concealed Duct(High Static)		
Model		Unit	ARNU543B8A4	ARNU763B8A4	ARNU963B8A4
Cooling Capacity		kW	15.8	22.4	28
		kcal/h	13,600	19,300	24,100
		Btu/h	54,000	76,400	95,900
Heating Capacity		kW	18.0	25.2	31.5
		kcal/h	15,500	21,700	27,100
		Btu/h	61,400	86,000	107,500
Casing			Galvanized Steel Plate	Galvanized Steel Plate	Galvanized Steel Plate
Dimensions (WxHxD)	Body	mm	1,562 x 460 x 688	1,562 x 460 x 688	1,562 x 460 x 688
		inch	61-1/2 x 18-1/8 x 27-3/32	61-1/2 x 18-1/8 x 27-3/32	61-1/2 x 18-1/8 x 27-3/32
Coil	Rows x Columns x FPI		3 x 21 x 19	3 x 21 x 19	3 x 21 x 19
	Face Area	m^2(sq.ft)	0.59(6.39)	0.59(6.39)	0.59(6.39)
Fan	Type		Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor Output x Number	W	400 x 2	400 x 2	400 x 2
	Running Current	A	5.2	5.2	5.2
	Air Flow Rate(H / M / L) (High Mode-Factory Set)	CMM	57.2 / 43.0 / 34.0	64.0 / 50.0 / 50.0	72.0 / 64.0 / 64.0
		cfm	2,019 / 1,518 / 1,200	2,119 / 1,766 / 1,766	2,542 / 2,260 / 2,260
	Ext Static Pressure	mmAq(in.Aq)	18(0.71)	22(0.87)	22(0.87)
	Air Flow Rate(H / M / L) (Standard Mode)	CMM	58.0 / 52.3 / 47.3	58.0 / 50.0 / 50.0	76.0 / 64.0 / 64.0
		cfm	2,048 / 1,846 / 1,670	2,260 / 1,766 / 1,766	2,684 / 2,260 / 2,260
	Ext Static Pressure	mmAq(in.Aq)	9(0.59)	15(0.59)	15(0.59)
	Drive		Direct	Direct	Direct
	Motor type		BLDC	BLDC	BLDC
Temperature Control			Microprocessor, Thermostat for cooling and heating	Microprocessor, Thermostat for cooling and heating	Microprocessor, Thermostat for cooling and heating
Sound Absorbing Thermal Insulation Material			Foamed polystrene	Foamed polystrene	Foamed polystrene
Air Filter			-	-	-
Safety Device			Fuse	Fuse	Fuse
Pipe Connections	Liquid Side	mm(inch)	Ø9.52(3/8)	Ø9.52(3/8)	Ø9.52(3/8)
	Gas Side	mm(inch)	Ø19.05(3/4)	Ø19.05(3/4)	Ø22.2(7/8)
	Drain Pipe(Internal Dia.)	mm(inch)	25(1)	25(1)	25(1)
Net Weight	Body	kg(lbs)	87(192)	87(192)	87(192)
Noise Level(Sound Press, 1.5m, H / M / L)		dB(A)	50 / 48 / 48	50 / 48 / 48	52 / 50 / 50
Power Supply		Ø, V, Hz	1, 208/230, 60	1, 208/230, 60	1, 208/230, 60
Refrigerant Control			EEV	EEV	EEV
Power Cable		mm^2	CV1.5 x 3C	CV1.5 x 3C	CV1.5 x 3C
Transmission Cable(AWG#-C)		mm^2	CVV-SB 1.0~1.5 x 2C	CVV-SB 1.0~1.5 x 2C	CVV-SB 1.0~1.5 x 2C

Notes:-

1. Capacities are based on the following conditions:
   - Cooling
     - Indoor temp. 27°C[80.6°F]DB/ 19°C[66.2°F]WB
     - Outdoor temp. 35°C[95°F]DB/ 24°C[75.2°F]WB
     - Interconnecting Piping Length 7.5m(24.6ft)
     - Level Difference of Zero
   - Heating
     - Indoor temp. 20°C[68°F]DB/ 15°C[59°F]WB
     - Outdoor temp. 7°C[44.6°F]DB/ 6°C[42.8°F]WB
     - Interconnecting Piping Length 7.5m(24.6ft)
     - Level Difference of Zero
2. Capacities are net capacities
3. Due to our policy of innovation some specifications may be changed without prior notification
4. To be added for more available Models
5. EEV : Electronic Expansion Valve
6. Noise Level is Standard Mode
   (for actual High Mode(factory set) condition, Noise Level may exceed the standard level by 1.5dBA)

Conversion Formula
kcal/h= kW x 860
Btu/h = kW x 3412
cfm = m^3/min x 35.3
l/s = CMM x 1000/60

2. List of Functions

Category	Function	ARNU073BHA4 ARNU093BHA4 ARNU123BHA4 ARNU153BHA4 ARNU183BHA4 ARNU243BHA4 ARNU073BGA4 ARNU093BGA4 ARNU123BGA4 ARNU153BGA4 ARNU183BGA4 ARNU243BGA4 ARNU283BGA4 ARNU363BGA4 ARNU423BGA4 ARNU283BRA4 ARNU363BRA4 ARNU423BRA4 ARNU483BRA4 ARNU543BRA4
Air flow	Air supply outlet	1
	Airflow direction control(left & right)	-
	Airflow direction control(up & down)	-
	Auto swing(left & right)	-
	Auto swing(up & down)	-
	Airflow steps(fan/cool/heat)	3/3/3
	Chaos swing	-
	Chaos wind(auto wind)	-
	Jet cool(Power wind)	-
	Swirl wind	-
Air purifying	Deodorizing filter	X
	Plasma air purifier	X
	Prefilter(washable)	O
Installation	Drain pump	O
	E.S.P. control	O
	Electric heater(operation)	X
	High ceiling operation	-
Reliability	Hot start	O
	Self diagnosis	O
	Soft dry operation	O
Convenience	Auto changeover	O(only heat recovery)
	Auto cleaning	X
	Auto operation(artificial intelligence)	O(only heat pump or cooling only)
	Auto restart operation	O
	Child lock	O
	Forced operation	-
	Group control	O
	Sleep mode	X
	Timer(on/off)	O
	Timer(weekly)	O
	Two thermistor control	O
Individual control	Standard wired remote controller	Accessory
	Wide Character wired remote controller Picto wired remote controller	Accessory
	Deluxe wired remote controller	Accessory
	Simple wired remote controller	Accessory
	Wired remote controller(for hotel use)	Accessory
	Wireless remote controller(simple)	X
	Wireless LCD remote control	Accessory
Special function kit	Zone control	Accessory
	CTIE	-
	Electro thermostat	-

O : Applied X : Not applied – : No relation

Option : Model name & price are different according to options, and assembled in factory with main unit.

Accessory : Installed at field, ordered and purchased separately by the corresponding model name, supplied with separate package.

Category	Function	ARNU363B8A4 ARNU423B8A4 ARNU483B8A4 ARNU543B8A4 ARNU763B8A4 ARNU963B8A4
Air flow	Air supply outlet	1
	Airflow direction control(left & right)	-
	Airflow direction control(up & down)	-
	Auto swing(left & right)	-
	Auto swing(up & down)	-
	Airflow steps(fan/cool/heat)	3/3/3
	Chaos swing	-
	Chaos wind(auto wind)	-
	Jet cool(Power wind)	-
	Swirl wind	-
Air purifying	Deodorizing filter	X
	Plasma air purifier	X
	Prefilter(washable)	O
Installation	Drain pump	O
	E.S.P. control	O
	Electric heater(operation)	X
	High ceiling operation	-
Reliability	Hot start	O
	Self diagnosis	O
Convenience	Auto changeover	O(only heat recovery)
	Auto cleaning	O
	Auto operation(artificial intelligence)	O(only heat pump or cooling only)
	Auto restart operation	O
	Child lock	O
	Forced operation	-
	Group control	O
	Sleep mode	O
	Timer(on/off)	O
	Timer(weekly)	O
	Two thermistor control	O
Individual control	Standard wired remote controller	Accessory
	Wide Character wired remote controller Picto wired remote controller	Accessory
	Deluxe wired remote controller	Accessory
	Simple wired remote controller	Accessory
	Wired remote controller(for hotel use)	Accessory
	Wireless remote controller(simple)	X
	Wireless LCD remote control	Accessory
Special function kit	Zone control	Accessory

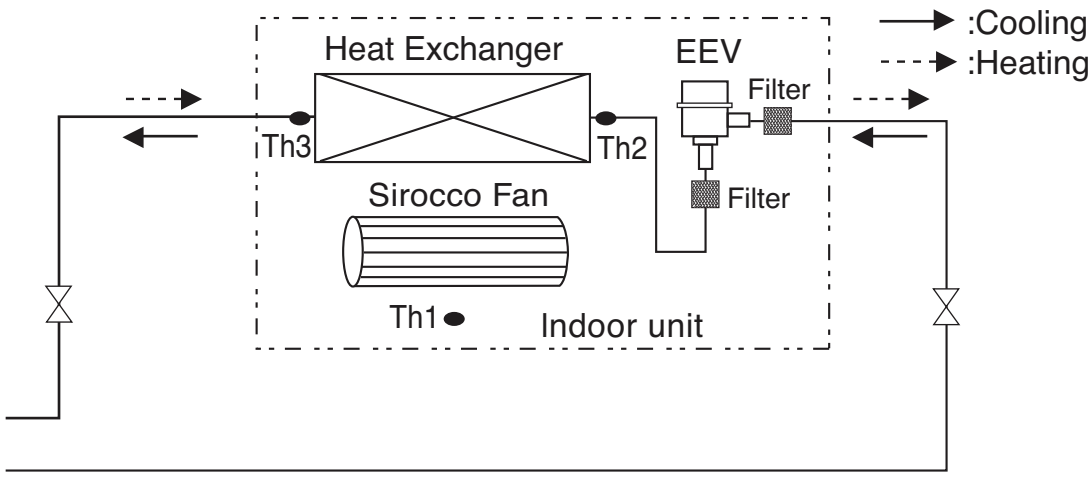
O : Applied X : Not applied – : No relation

Option : Model name & price are different according to options, and assembled in factory with main unit.

Accessory : Installed at field, ordered and purchased separately by the corresponding model name, supplied with separate package.

3. Piping Diagrams

BH/BG/BR Chassis



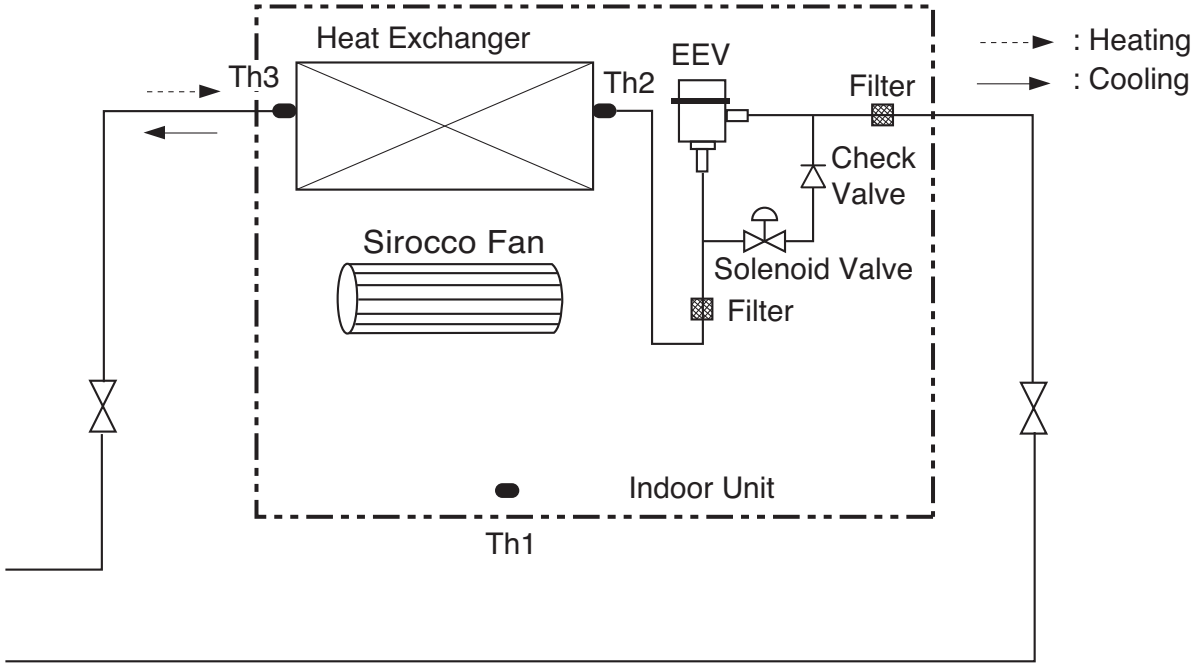
Refrigerant pipe connection port diameter

[Unit : mm(inch)]

CHASSIS	MODEL	GAS	LIQUID
BH	ARNU073BHA4	Ø12.7(1/2)	Ø6.35(1/4)
	ARNU093BHA4	Ø12.7(1/2)	Ø6.35(1/4)
	ARNU123BHA4	Ø12.7(1/2)	Ø6.35(1/4)
	ARNU153BHA4	Ø12.7(1/2)	Ø6.35(1/4)
	ARNU183BHA4	Ø12.7(1/2)	Ø6.35(1/4)
	ARNU243BHA4	Ø15.88(5/8)	Ø9.52(3/8)
BG	ARNU073BGA4	Ø15.88(5/8)	Ø9.52(3/8)
	ARNU093BGA4	Ø15.88(5/8)	Ø9.52(3/8)
	ARNU123BGA4	Ø15.88(5/8)	Ø9.52(3/8)
	ARNU153BGA4	Ø15.88(5/8)	Ø9.52(3/8)
	ARNU183BGA4	Ø15.88(5/8)	Ø9.52(3/8)
	ARNU243BGA4	Ø15.88(5/8)	Ø9.52(3/8)
	ARNU283BGA4	Ø15.88(5/8)	Ø9.52(3/8)
	ARNU363BGA4	Ø15.88(5/8)	Ø9.52(3/8)
	ARNU423BGA4	Ø15.88(5/8)	Ø9.52(3/8)
BR	ARNU283BRA4	Ø15.88(5/8)	Ø9.52(3/8)
	ARNU363BRA4	Ø15.88(5/8)	Ø9.52(3/8)
	ARNU423BRA4	Ø15.88(5/8)	Ø9.52(3/8)
	ARNU483BRA4	Ø15.88(5/8)	Ø9.52(3/8)
	ARNU543BRA4	Ø15.88(5/8)	Ø9.52(3/8)

LOC.	Description	PCB Connector (Color)
Th1	Thermistor for room air temperature	CN-ROOM (Yellow)
Th2	Thermistor for pipe in temperature	CN-PIPE_IN (White)
Th3	Thermistor for pipe out temperature	CN-PIPE_OUT (Red)

B8 Chassis



Refrigerant pipe connection port diameter

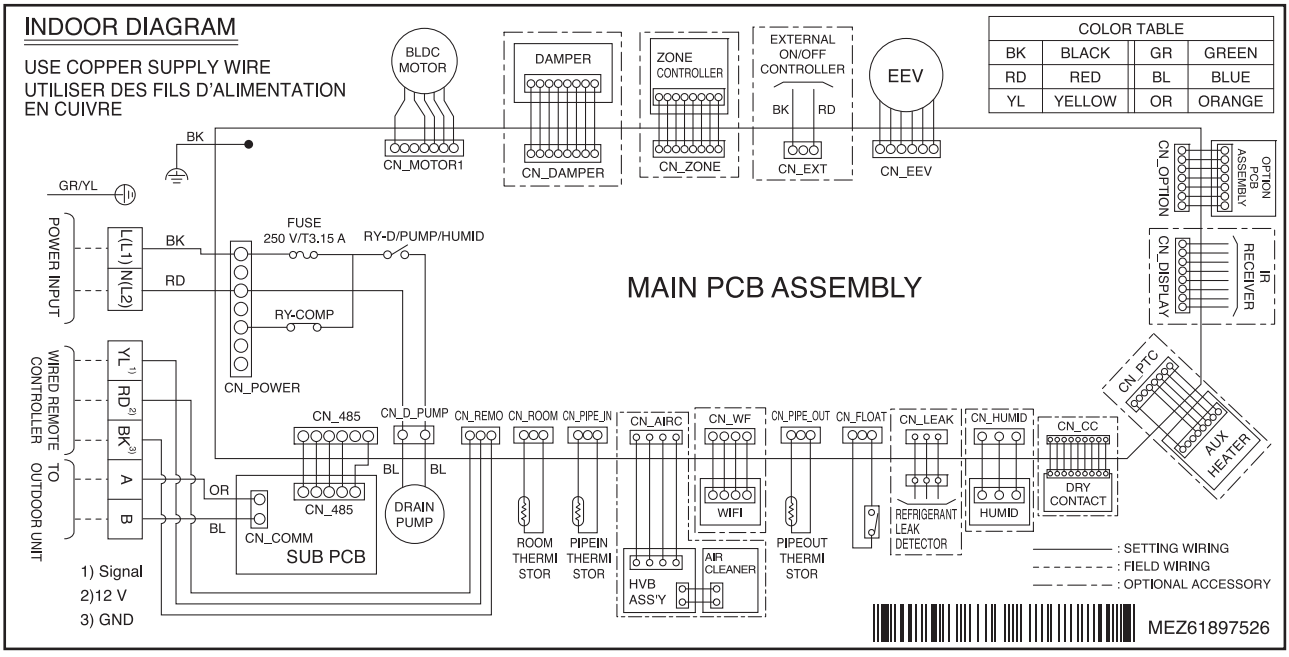
[Unit: mm(inch)]

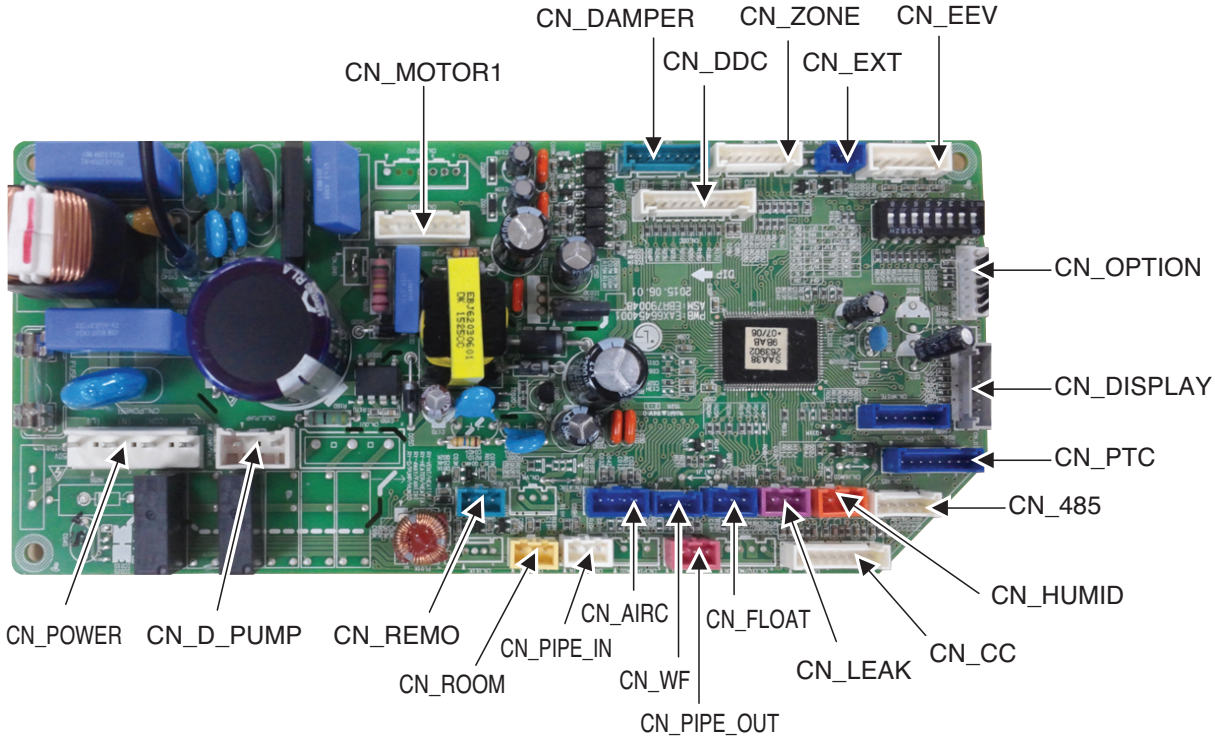
CHASSIS	MODEL	GAS	LIQUID
B8	ARNU363B8A4	Ø19.05(3/4)	Ø9.52(3/8)
	ARNU423B8A4	Ø19.05(3/4)	Ø9.52(3/8)
	ARNU483B8A4	Ø19.05(3/4)	Ø9.52(3/8)
	ARNU543B8A4	Ø19.05(3/4)	Ø9.52(3/8)
	ARNU763B8A4	Ø19.05(3/4)	Ø9.52(3/8)
	ARNU963B8A4	Ø22.20(7/8)	Ø9.52(3/8)

LOC.	Description	PCB Connector (Color)
Th1	Thermistor for room air temperature	CN-ROOM (Yellow)
Th2	Thermistor for pipe in temperature	CN-PIPE_IN (White)
Th3	Thermistor for pipe out temperature	CN-PIPE_OUT (Red)

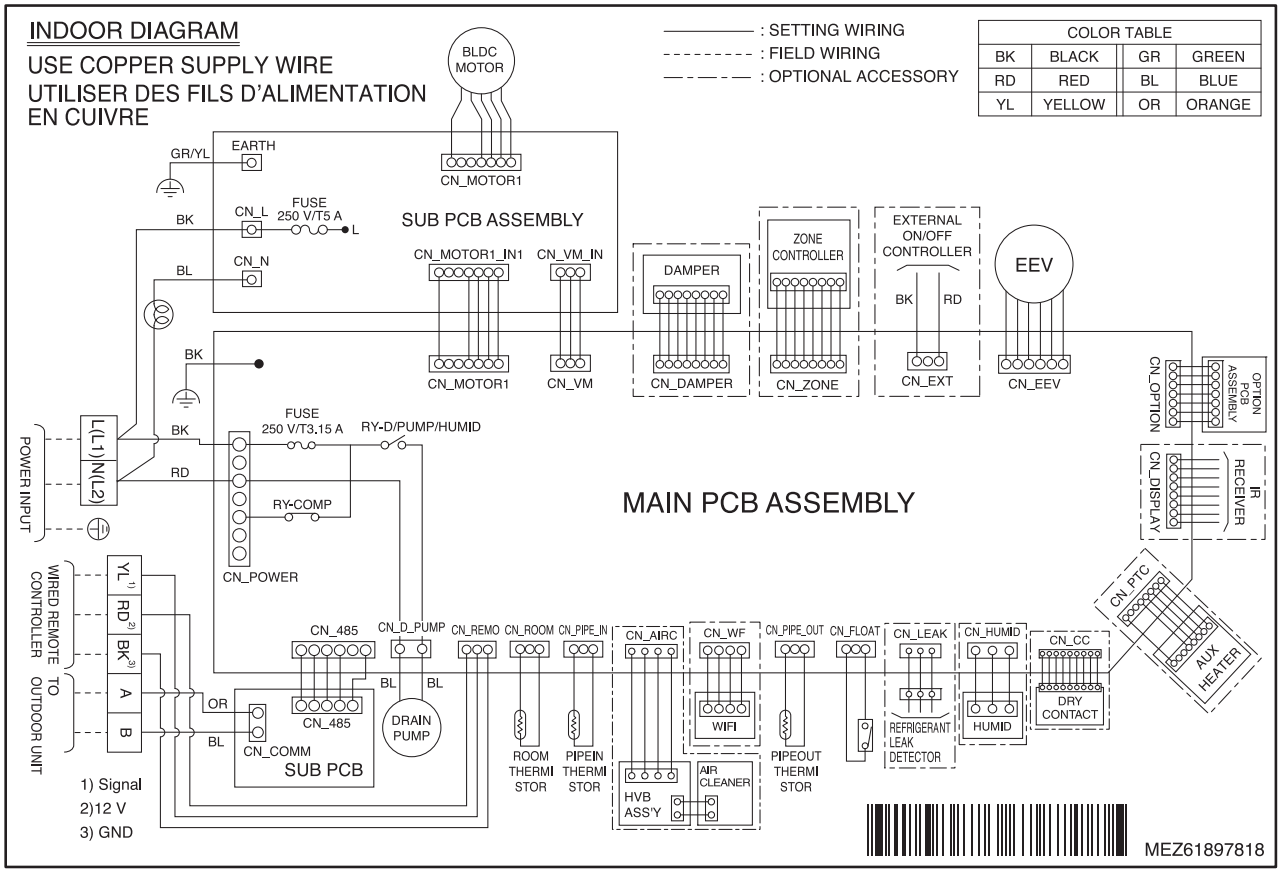
4. Wiring Diagrams

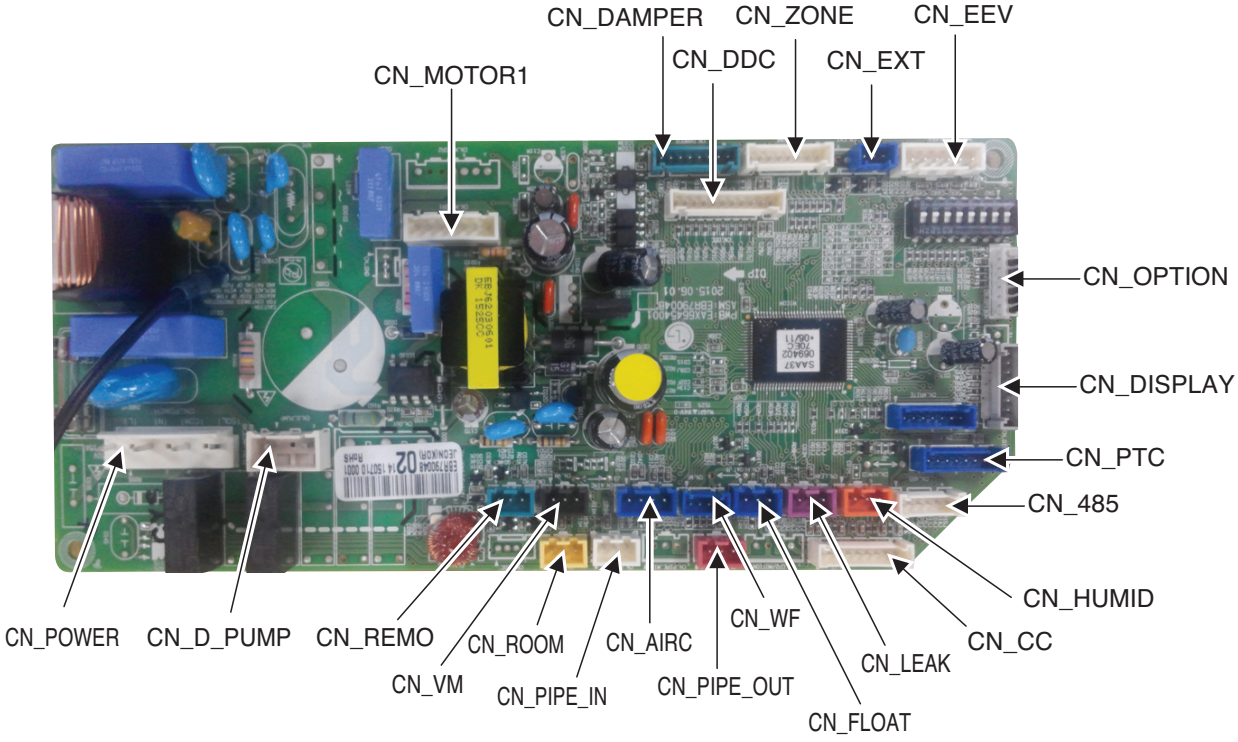
BH Chassis



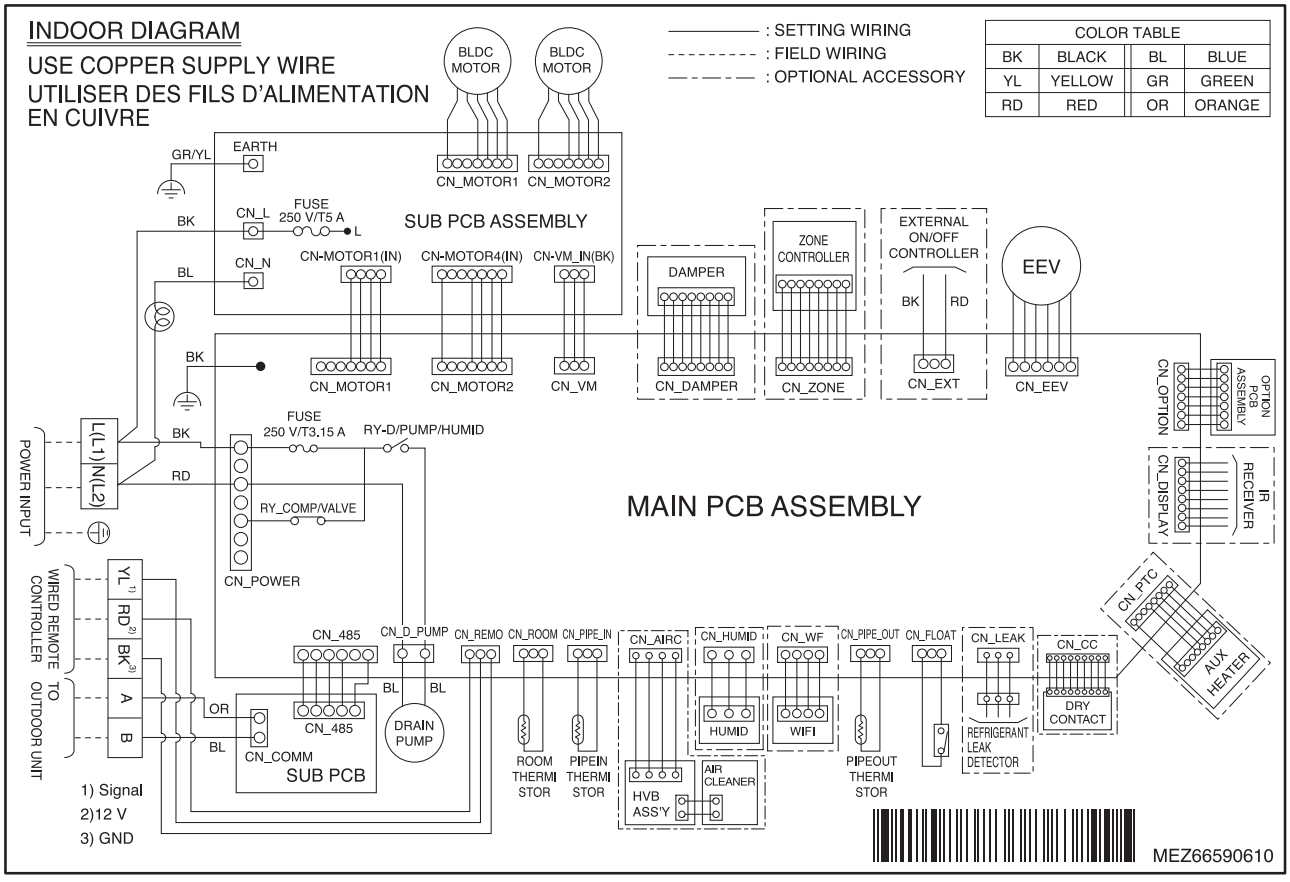


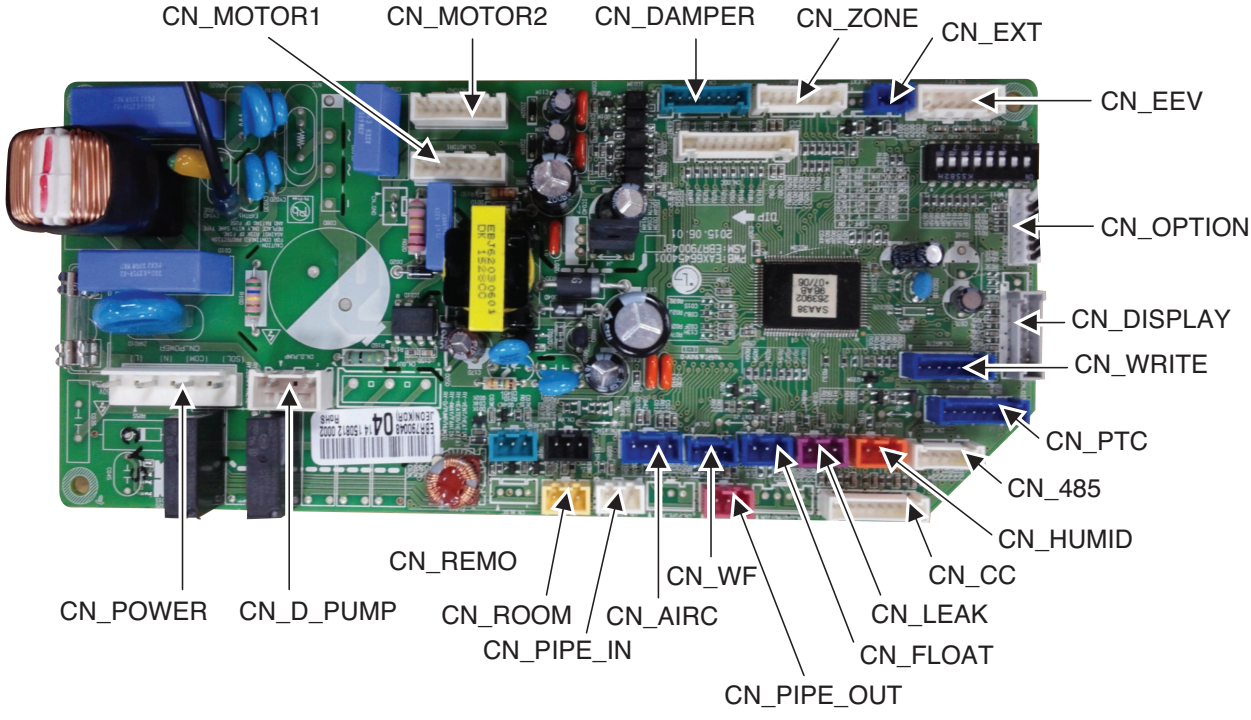
BG Chassis



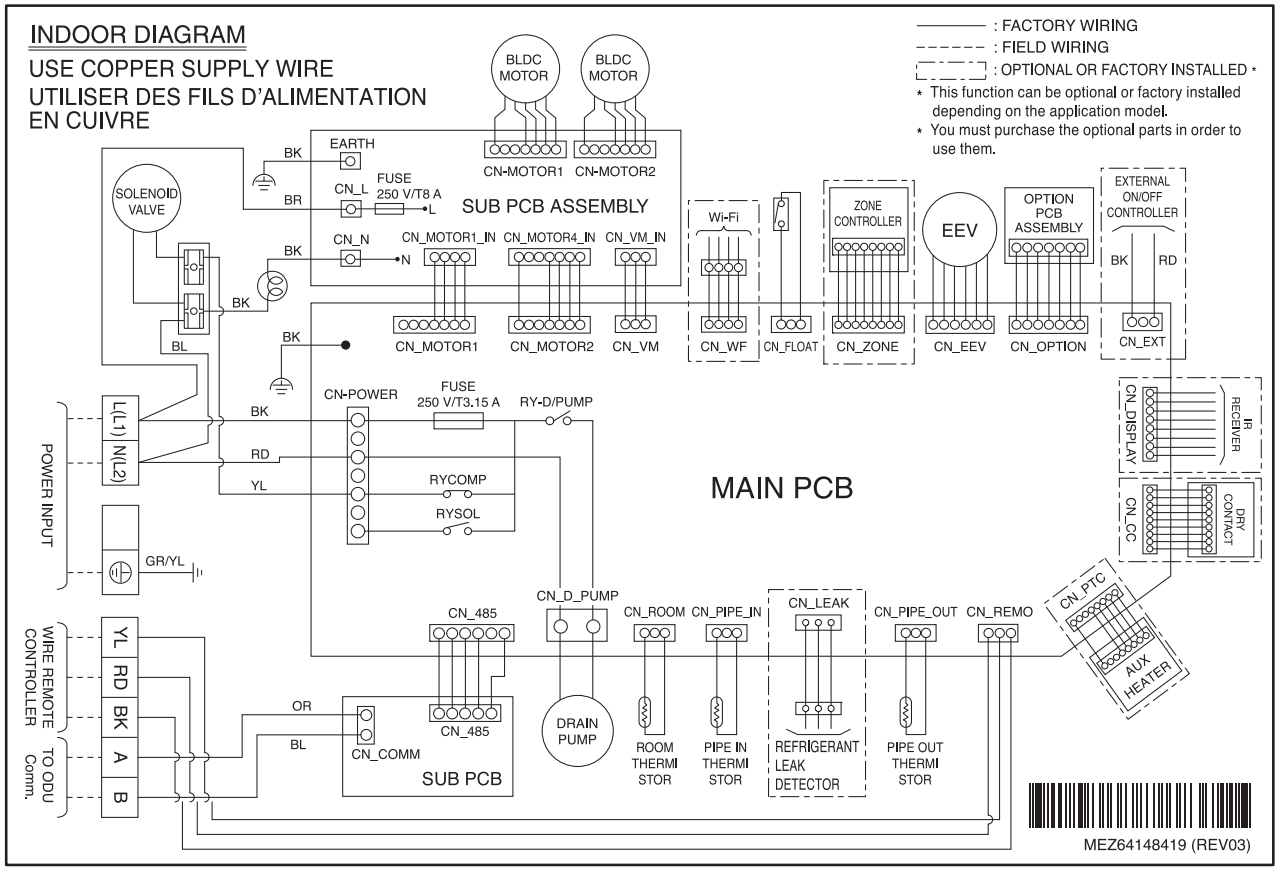


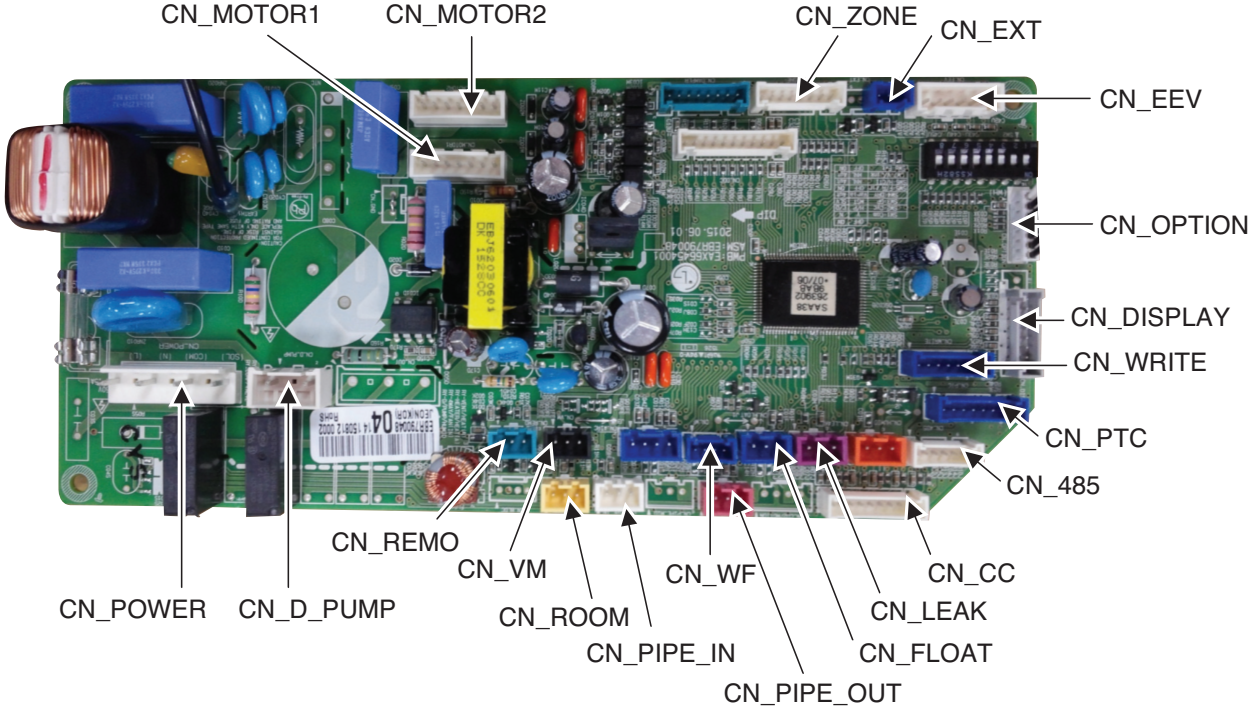
BR Chassis





B8 Chassis





5. DIP Switch Setting

1. Indoor Unit

	Function	Description	Setting Off	Setting On	Default
SW1	Communication	N/A (Default)	-	-	Off
SW2	Cycle	N/A (Default)	-	-	Off
SW3	Group Control	Selection of Master or Slave	Master	Slave	Off
SW4	Dry Contact Mode	Selection of Dry Contact Mode	Wired/Wireless remote controller Selection of Manual or Auto operation Mode	Auto	Off
SW5	Installation	Fan continuous operation	Continuous operation Removall	-	Off
SW6	Heater linkage	N/A	-	-	Off
SW7	Ventilator linkage	Selection of Ventilator linkage	Linkage Removal	Working	Off
	Vane selection (Console)	Selection of up/down side Vane	Up side + Down side Vane	Up side Vane Only	
	Region selection	Selection tropical region	General model	Tropical model	
SW8	Etc.	Spare	-	-	Off

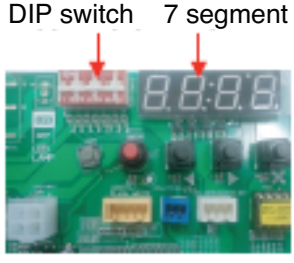
⚠CAUTION

For Multi V Models, DIP switch 1, 2, 6, 8 must be set OFF.

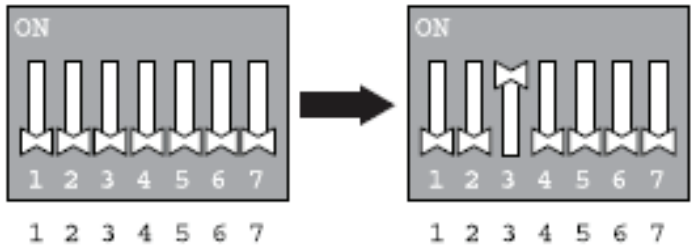
2. Outdoor Unit

In case that the products meet specific conditions, “Auto addressing” function can start automatically with the improved speed by turning the DIP switch #3 of the outdoor unit and resetting the power.

* Specific conditions:
  - All names of the indoor units are ARNU****4.
  - The serial number of Multi V super IV (outdoor units) is after October 2013.



Outdoor Unit PCB



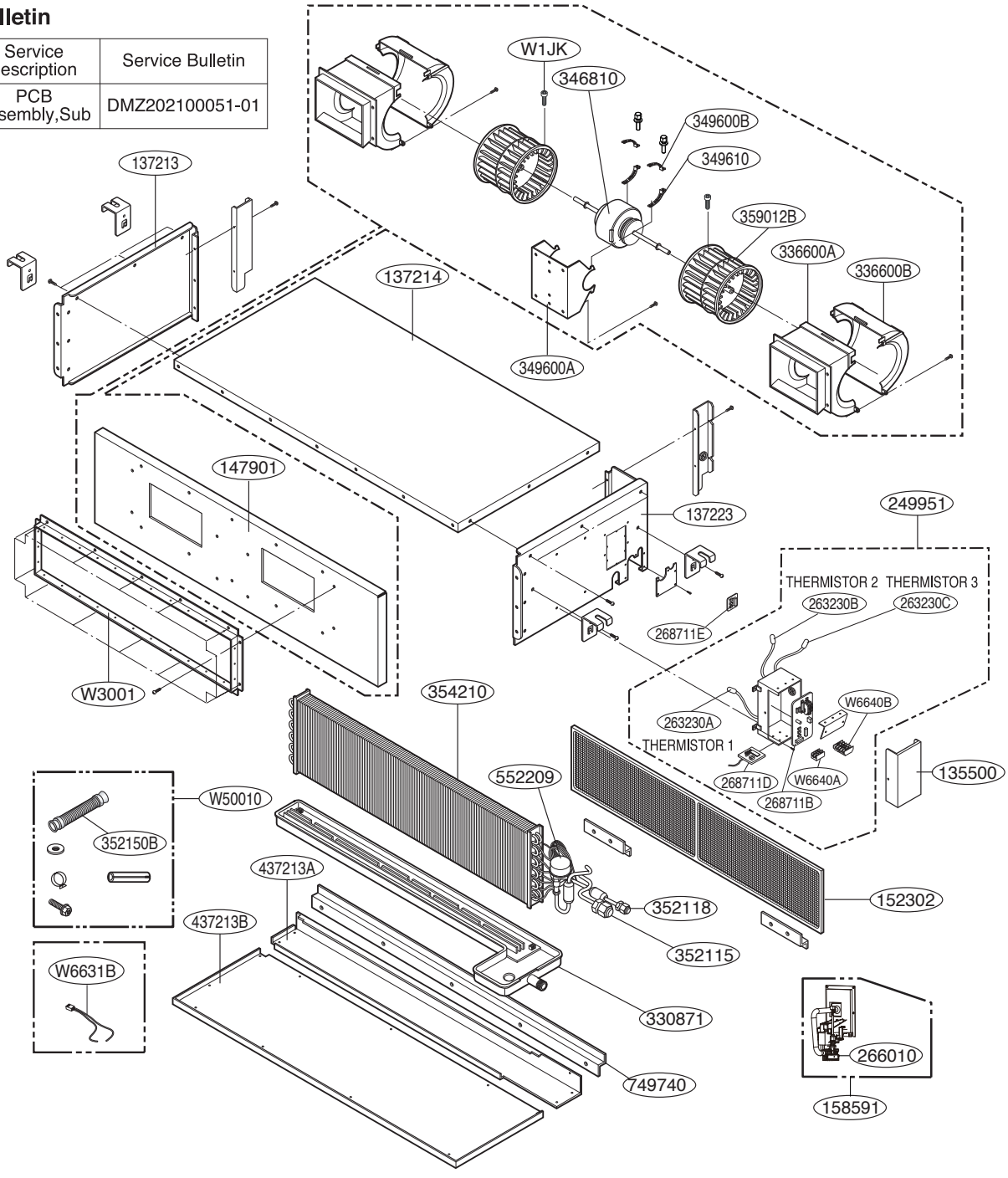
Outdoor Unit DIP Switch

6. Exploded View

BH Chassis

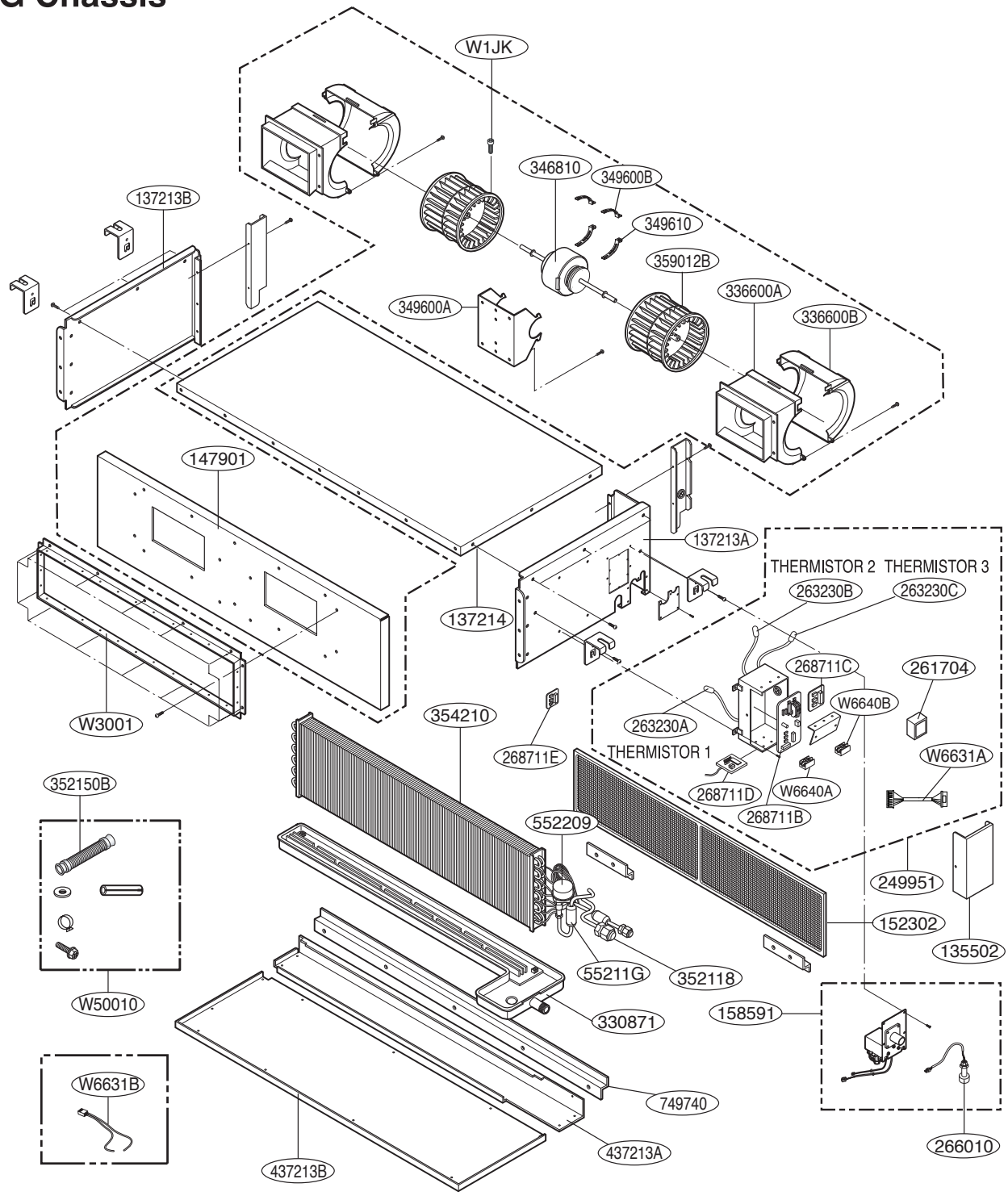
Service Bulletin

Location No.	Service description	Service Bulletin
2687S21	PCB Assembly,Sub	DMZ202100051-01



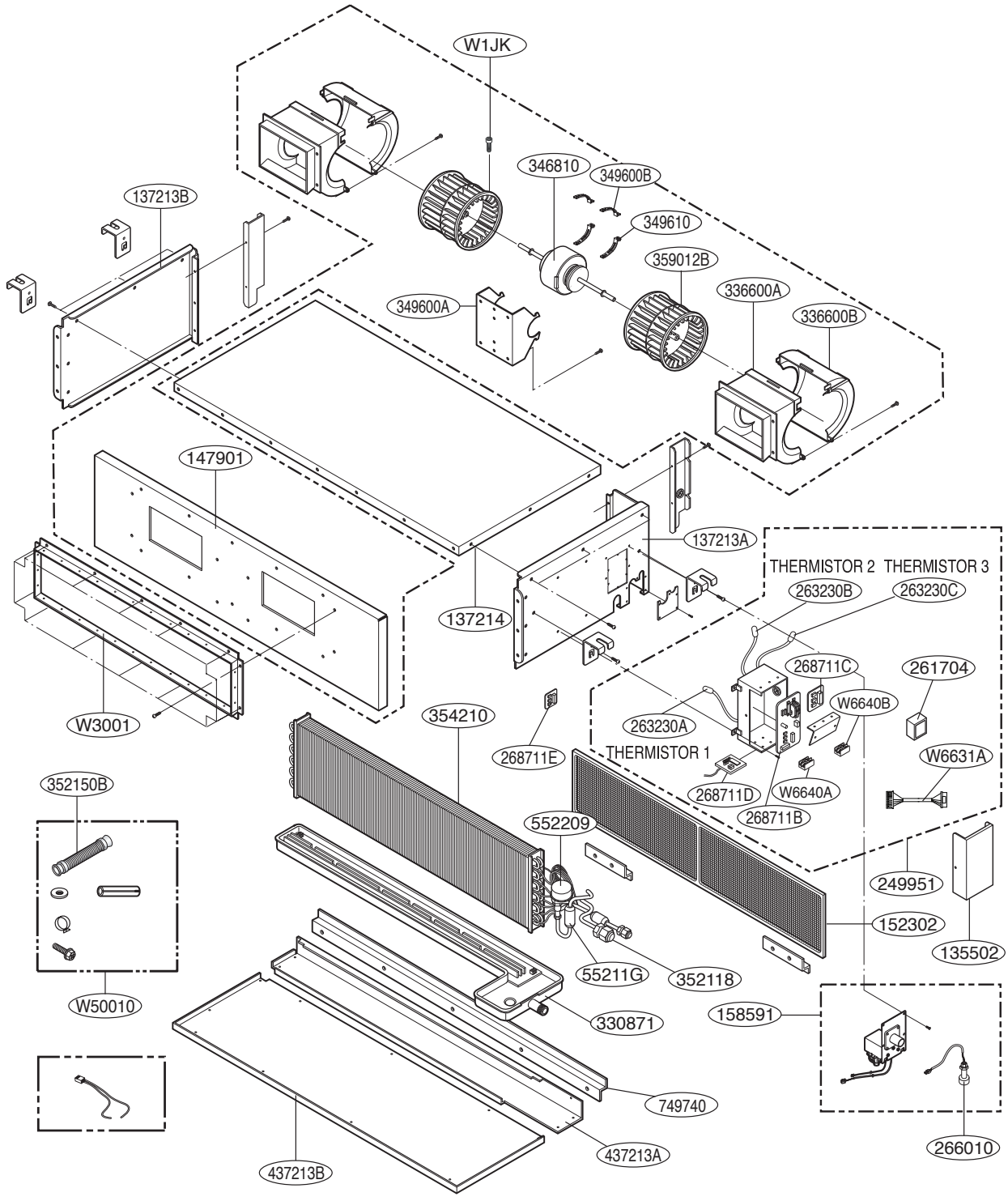
SVC No.	Description	Remark (Color)
263230A	Thermistor for room air temperature	CN-ROOM (Yellow)
263230B	Thermistor for pipe in temperature	CN-PIPE_IN (White)
263230C	Thermistor for pipe in temperature	CN-PIPE_OUT (Red)
268711B	PCB for main	210 mm X 95 mm
268711E	PCB for option	25 mm X 25 m
268711D	PCB for communication	65 mm X 45 mm

BG Chassis



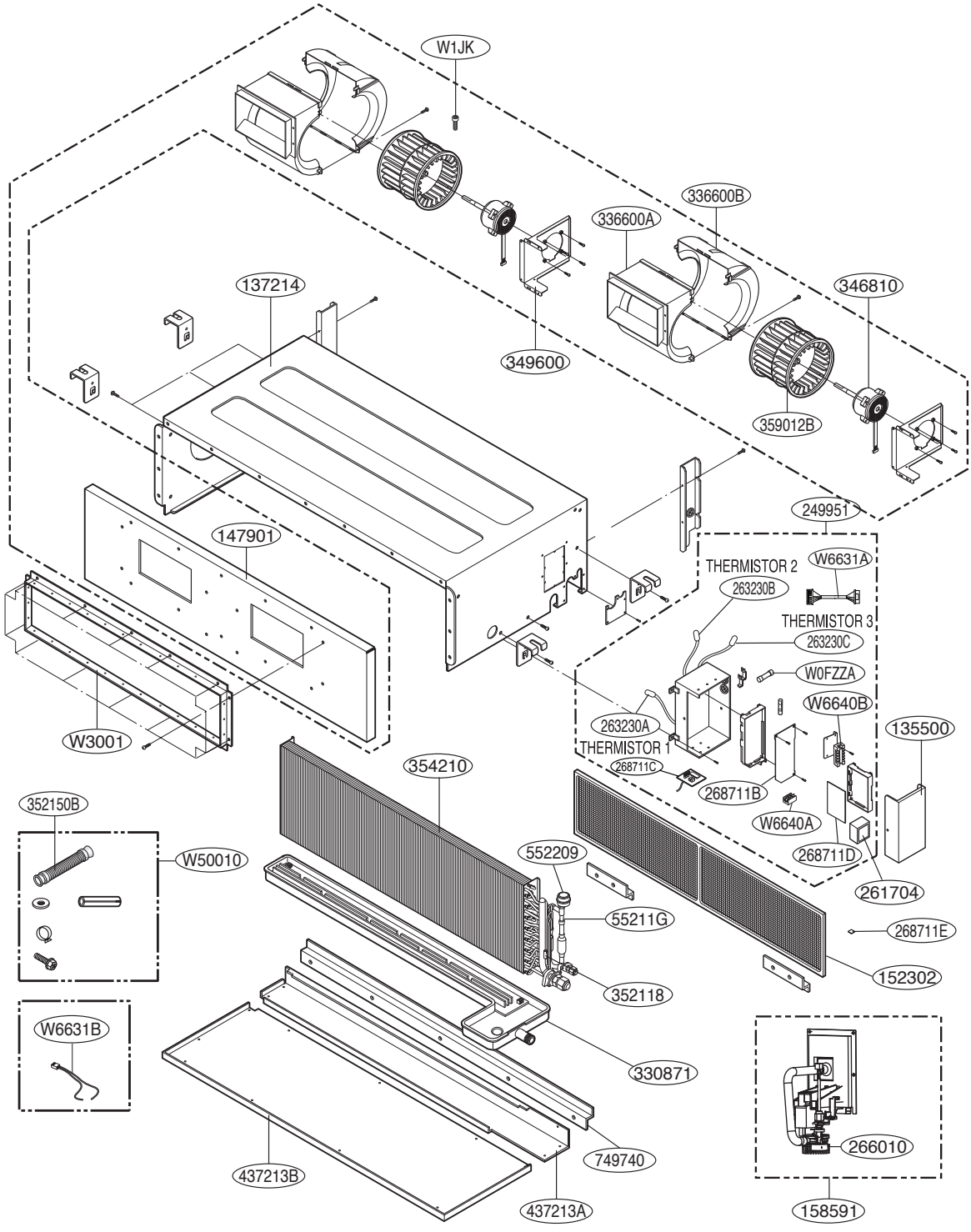
SVC No.	Description	Remark (Color)
263230A	Thermistor for room air temperature	CN-ROOM (Yellow)
263230B	Thermistor for pipe in temperature	CN-PIPE_IN (White)
263230C	Thermistor for pipe in temperature	CN-PIPE_OUT (Red)
268711D	PCB for communication	65 mm X 45 mm
268711B	PCB for main	210 mm X 95 mm
268711C	PCB for motor	100 mm X 100 mm
268711E	PCB for option	25 mm X 25 m

ARNU07/09/12/15GBGA4.ANCBLAT, ARNU07/09/12/15GBGA4.ENCBLEU



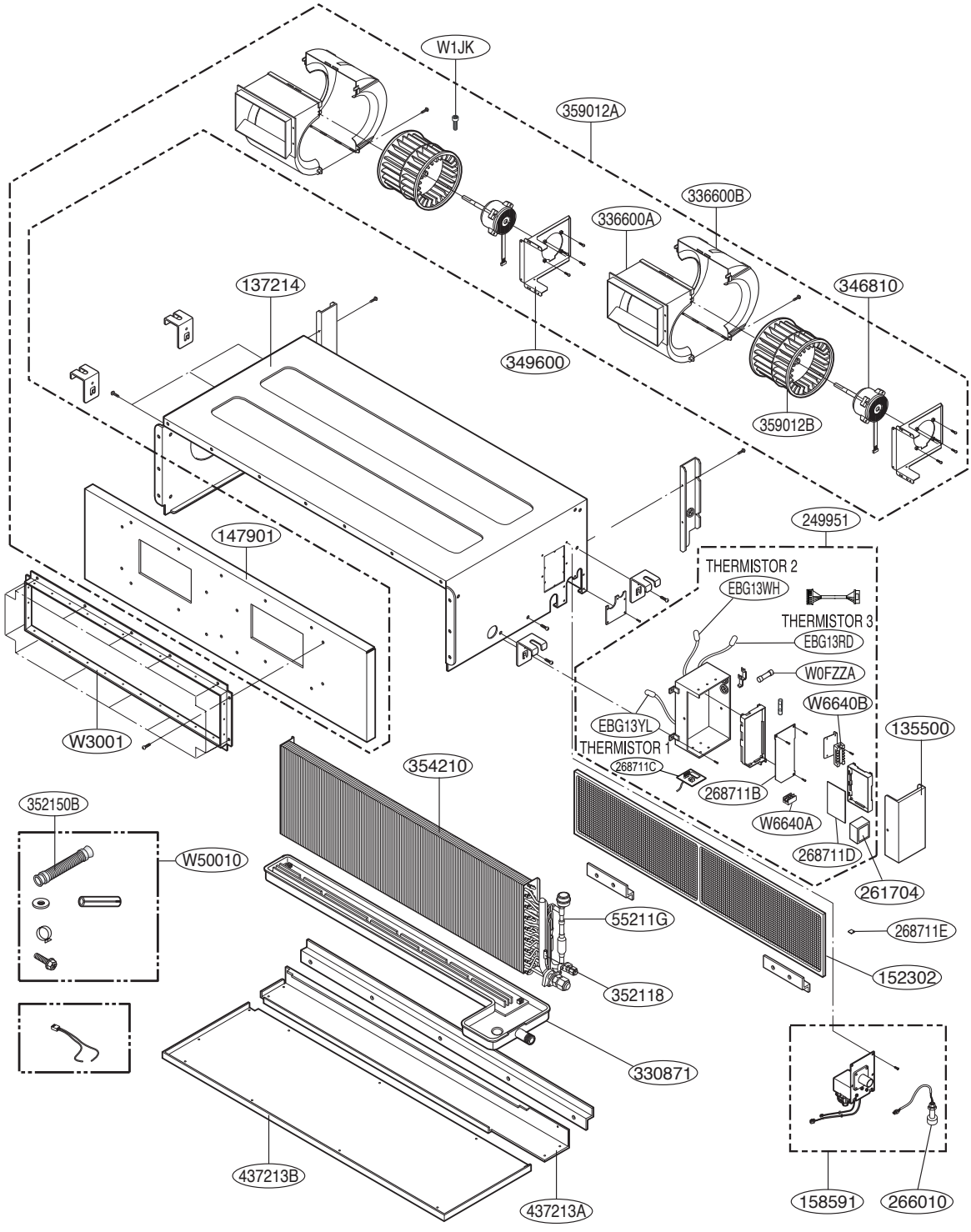
SVC No.	Description	Remark (Color)
263230A	Thermistor for room air temperature	CN-ROOM (Yellow)
263230B	Thermistor for pipe in temperature	CN-PIPE_IN (White)
263230C	Thermistor for pipe in temperature	CN-PIPE_OUT (Red)
268711D	PCB for communication	65 mm X 45 mm
268711B	PCB for main	210 mm X 95 mm
268711C	PCB for motor	100 mm X 100 mm
268711E	PCB for option	25 mm X 25 m

BR Chassis



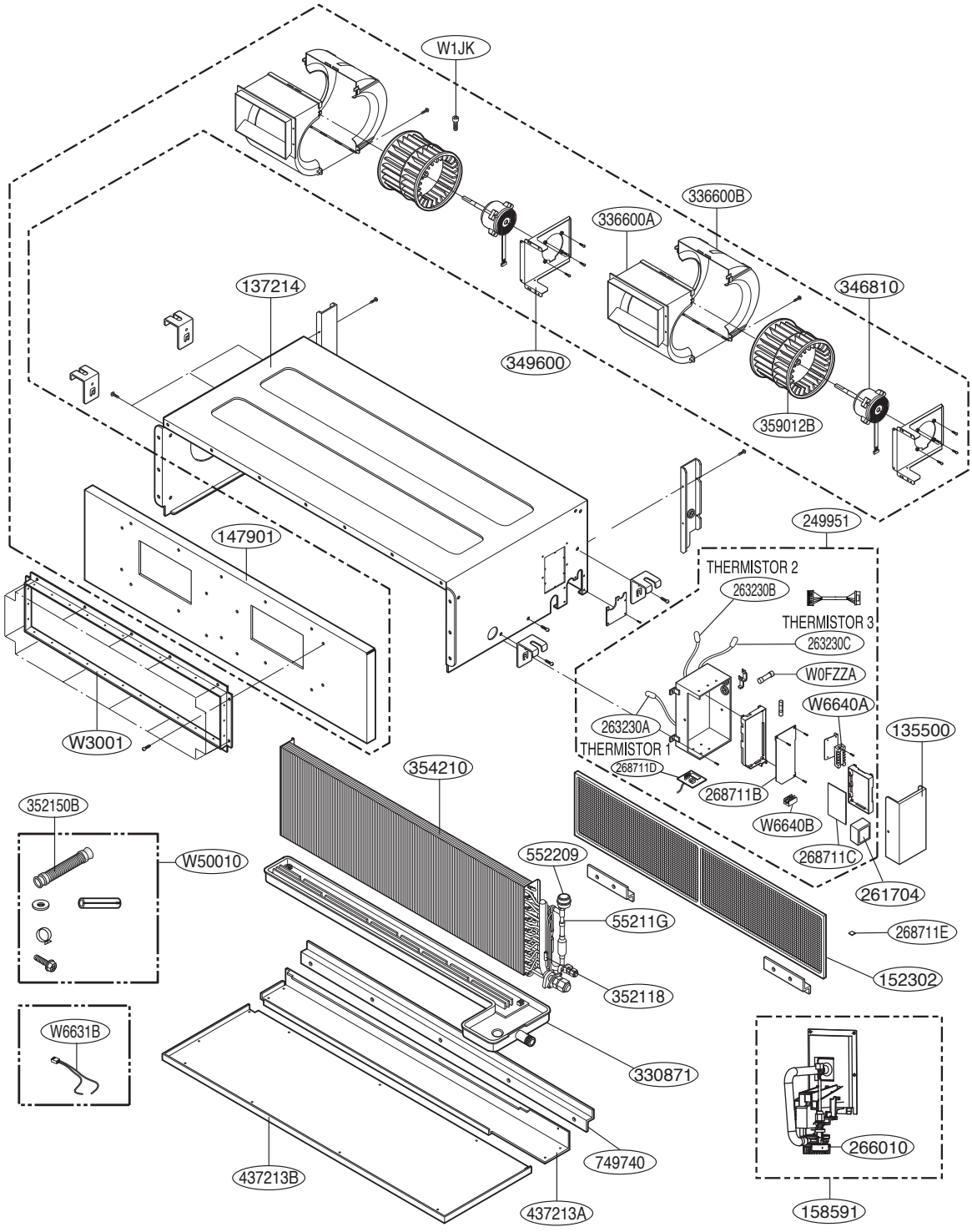
SVC No.	Description	Remark (Color)
263230A	Thermistor for room air temperature	CN-ROOM (Yellow)
263230B	Thermistor for pipe in temperature	CN-PIPE_IN (White)
263230C	Thermistor for pipe in temperature	CN-PIPE_OUT (Red)
268711B	PCB for main	210 mm X 95 mm
268711C	PCB for communication	65 mm X 45 mm
268711D	PCB for motor	100 mm X 100 mm
268711E	PCB for option	25 mm X 25 m

ARNU48/54GBRA4.ENCBUAE



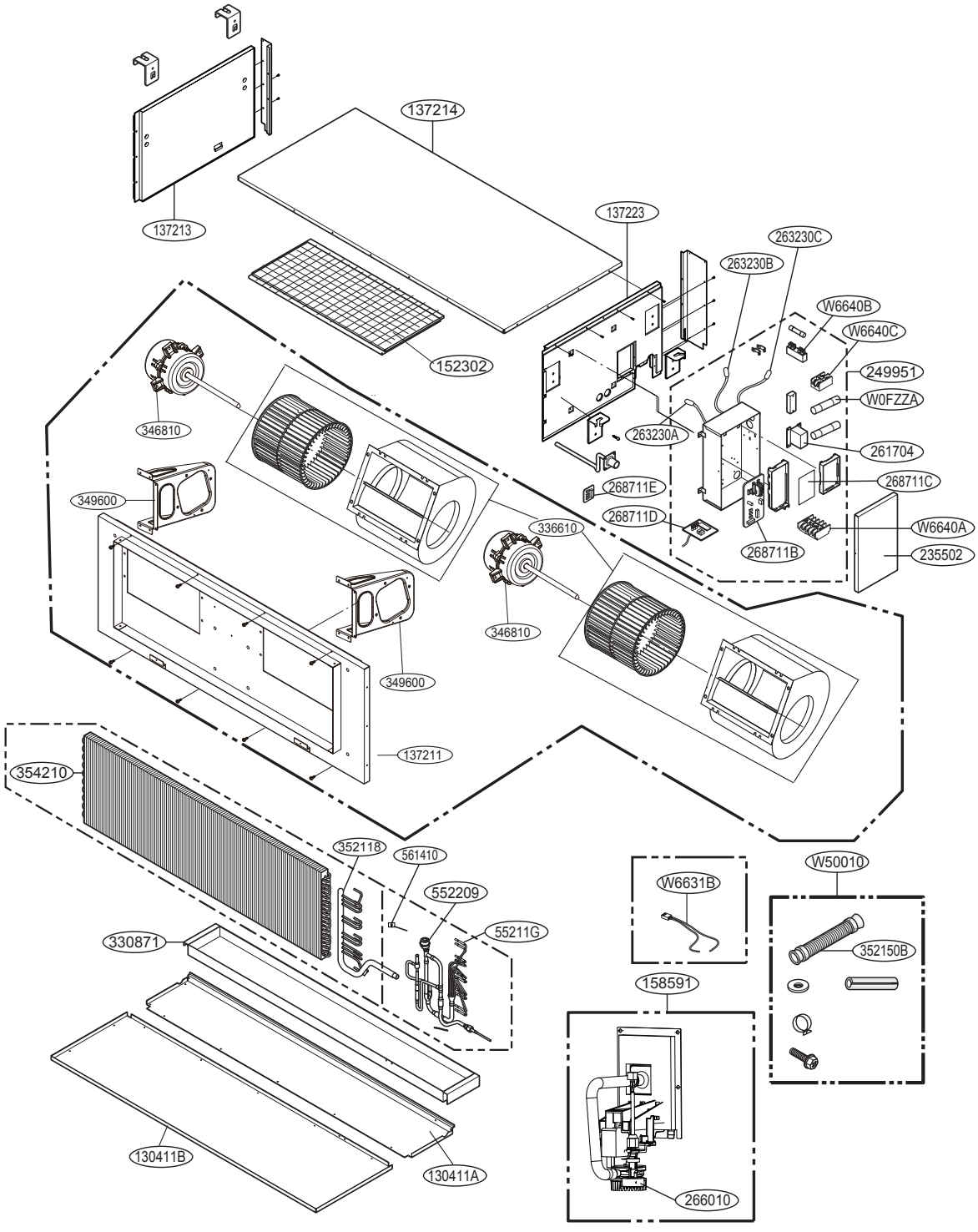
SVC No.	Description	Remark (Color)
EBG13YL	Thermistor for room air temperature	CN-ROOM (Yellow)
EBG13WH	Thermistor for pipe in temperature	CN-PIPE_IN (White)
EBG13RD	Thermistor for pipe in temperature	CN-PIPE_OUT (Red)
268711B	PCB for main	210 mm X 95 mm
268711C	PCB for communication	65 mm X 45 mm
268711D	PCB for motor	100 mm X 100 mm
268711E	PCB for option	25 mm X 25 m

ARNU54GBRA4.ENCBAAS



SVC No.	Description	Remark (Color)
263230A	Thermistor for room air temperature	CN-ROOM (Yellow)
263230B	Thermistor for pipe in temperature	CN-PIPE_IN (White)
263230C	Thermistor for pipe in temperature	CN-PIPE_OUT (Red)
268711B	PCB for main	210 mm X 95 mm
268711C	PCB for communication	65 mm X 45 mm
268711D	PCB for motor	100 mm X 100 mm
268711E	PCB for option	25 mm X 25 m

B8 Chassis

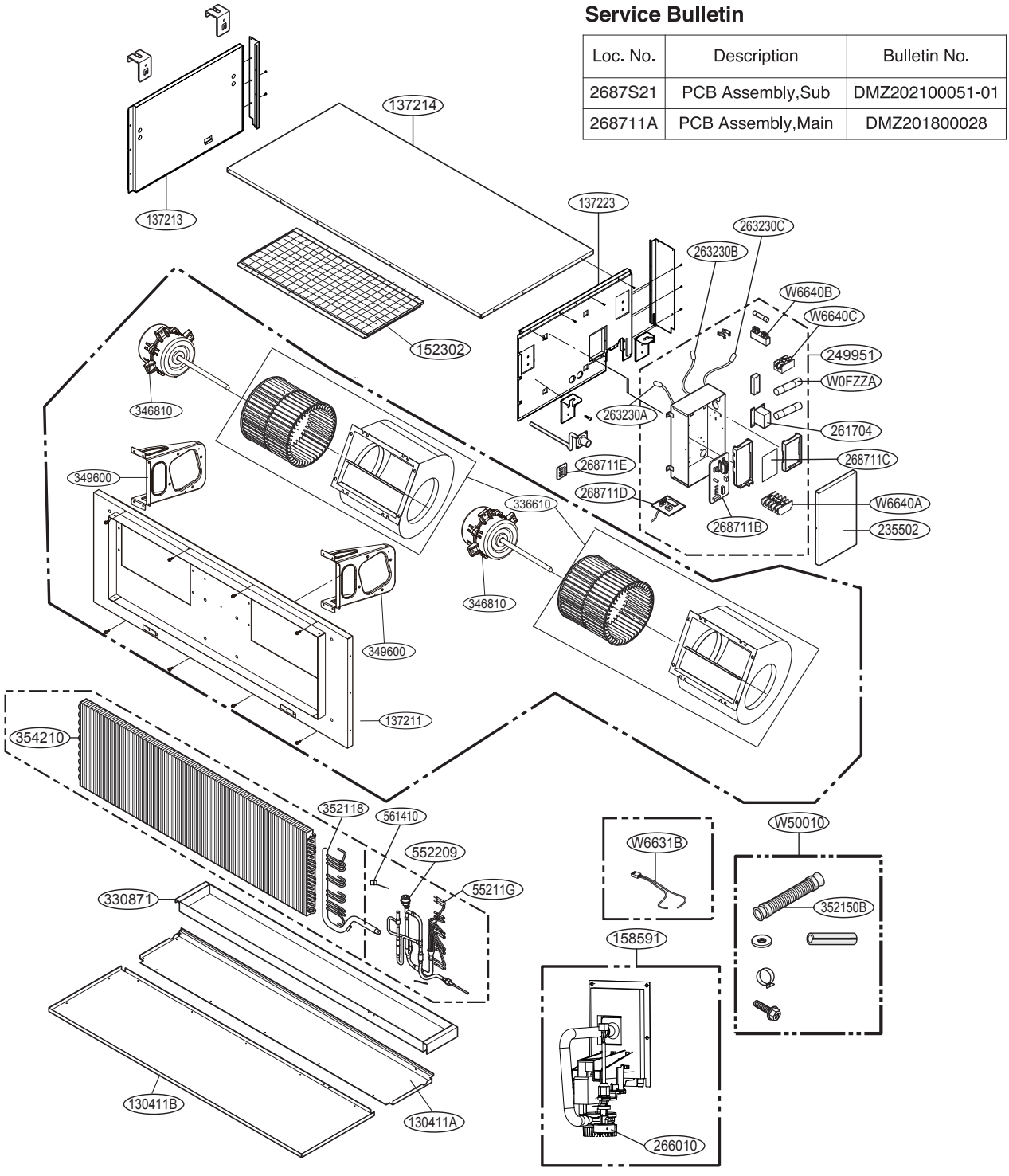


SVC No.	Description	Remark (Color)
263230A	Thermistor for room air temperature	CN-ROOM (Yellow)
263230B	Thermistor for pipe in temperature	CN-PIPE_IN (White)
263230C	Thermistor for pipe in temperature	CN-PIPE_OUT (Red)
268711B	PCB for main	210 mm X 95 mm
268711C	PCB for motor	140 mm X 100 mm
268711D	PCB for communication	65 mm X 45 mm
268711E	PCB for option	25 mm X 25mm

ARNU***B8A4.ANWBLUS, ARNU***B8A4.(Suffix : ANWALUS, ANWBLUS)

Service Bulletin

Loc. No.	Description	Bulletin No.
2687S21	PCB Assembly,Sub	DMZ202100051-01
268711A	PCB Assembly,Main	DMZ201800028



SVC No.	Description	Remark (Color)
263230A	Thermistor for room air temperature	CN-ROOM (Yellow)
263230B	Thermistor for pipe in temperature	CN-PIPE_IN (White)
263230C	Thermistor for pipe in temperature	CN-PIPE_OUT (Red)
268711B	PCB for main	210 mm X 95 mm
268711C	PCB for motor	140 mm X 100 mm
268711D	PCB for communication	65 mm X 45 mm
268711E	PCB for option	25 mm X 25mm

7. Self-diagnosis function

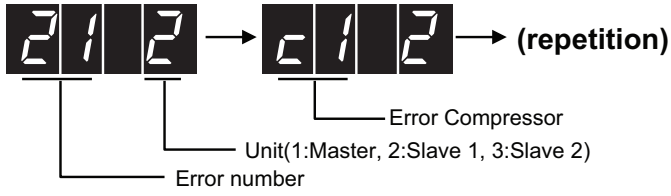
Error Indicator

• This function indicates types of failure in self-diagnosis and occurrence of failure for air condition.
• Error mark is displayed on display window of indoor units and wired remote controller, and 7-segment LED of outdoor unit control board as shown in the table.
• If more than two troubles occur simultaneously, lower number of error code is first displayed.
• After error occurrence, if error is released, error LED is also released simultaneously.

Error Display

- 1st,2nd,3rd LED of 7-segment indicates error number, 4th LED indicates unit number. Indicates unit number. (* = 1:Master, 2 : Slave 1, 3 : Slave 2)

Ex) 211 : No.21 error of master unit
213 : No.21 error of slave2
1051 : No.105 error of master unit



❊ Refer to the DX-Venitilation manual for DX-Venitilation error code

Display				Title	Cause of Error
Indoor unit related error	0	1	-	Air temperature sensor of indoor unit	Air temperature sensor of indoor unit is open or short
	0	2	-	Inlet pipe temperature sensor of indoor unit	Inlet pipe temperature sensor of indoor unit is open or short
	0	3	-	Communication error : wired remote controller ↔ indoor unit	Failing to receive wired remote controller signal in indoor unit PCB
	0	4	-	Drain pump	Malfunction of drain pump
	0	5	-	Communication error : Indoor communication PCB ↔ indoor unit	Indoor Unit PCB did not receive signal from Indoor communication PCB for over 3 minutes continuously
	0	6	-	Outlet pipe temperature sensor of indoor unit	Outlet pipe temperature sensor of indoor unit is open or short
	0	9	-	Indoor EEPROM Error	In case when the serial number marked on EEPROM of Indoor unit is 0 or FFFFFF
	1	0	-	Poor fan motor operation	Disconnecting the fan motor connector / Failure of indoor fan motor lock
	2	3	0	Refrigerant leakage sensing error	Refrigerant leakage sensing error and sensor defect error
	2	3	7	Communication defect in indoor communication PCB ↔ outdoor communication PCB	Indoor communication PCB did not receive signal from outdoor communication PCB for over 3 minutes continuously
	2	3	8	Communication error in outdoor communication PCB ↔ outdoor unit	Outdoor communication PCB did not receive communication signal from outdoor unit for over 3 minutes continuously

P/NO : MFL42947629