

SAMSUNG

ROOM AIR CONDITIONER

AW07GANBA

AW09FANBA

AW12FADBA

AW07FANBA

AW09GANBA

AW12FADEA

AW07FANEA

AW09FANEA

AW12GADEA

AW07GANEA

AW09GANEA

AW12FADAA

AW10FADBA

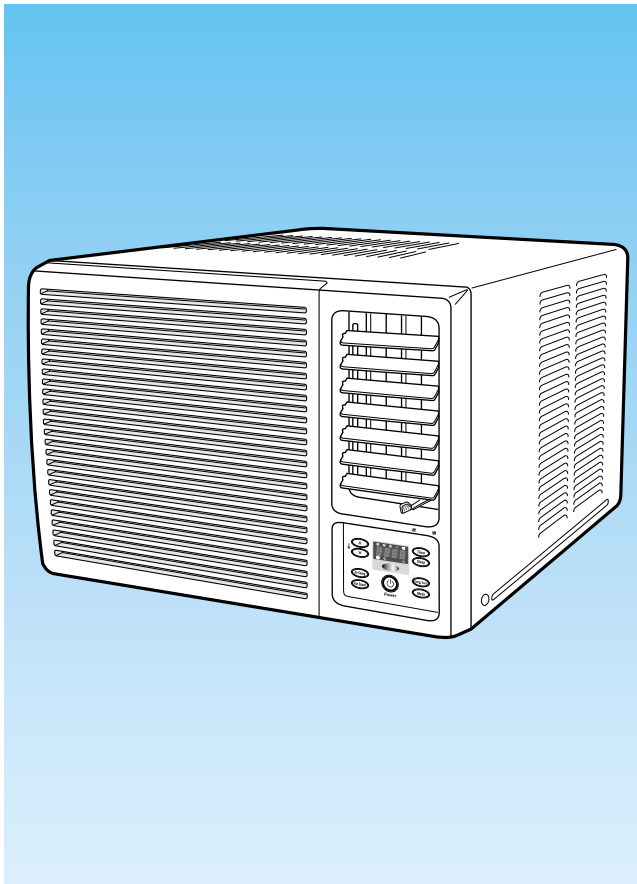
AW12FADBB

AW12FBDAA

AW12FBDBA

SERVICE *Manual*

AIR CONDITIONER



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1. Precautions

1. Warning: Prior to repair, disconnect the power cord from the circuit breaker.
2. Use proper parts: Use only exact replacement parts. (Also, we recommend replacing parts rather than repairing them.)
3. Use the proper tools: Use the proper tools and test equipment, and know how to use equipment may cause problems later-intermittent contact, for example.
4. Power Cord: Prior to repair, check the power cord and replace it if necessary.
5. Avoid using an extension cord, and avoid tapping into a power cord. This practice may result in malfunction or fire.
6. After completing repairs and reassembly, check the insulation resistance.
Procedure: Prior to applying power, measure the resistance between the power cord and the ground terminal. The resistance must be greater than 30 megaohms.
7. Make sure that the grounds are adequate.
8. Make sure that the installation conditions are satisfactory.
Relocate the unit if necessary.
9. Keep children away from the unit while it is being repaired.
10. Be sure to clean the unit and its surrounding area.

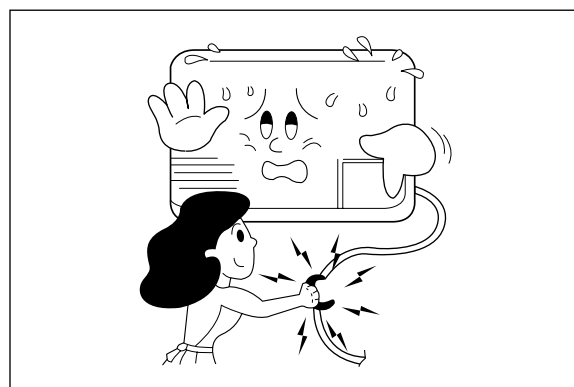


Fig. 1-1 Avoid Dangerous Contact

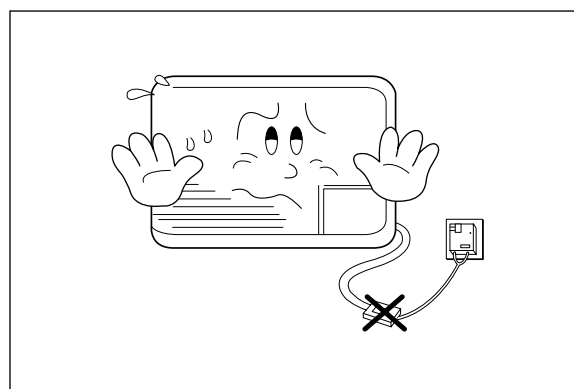


Fig. 1-2 No Tapping and No Extension Cords

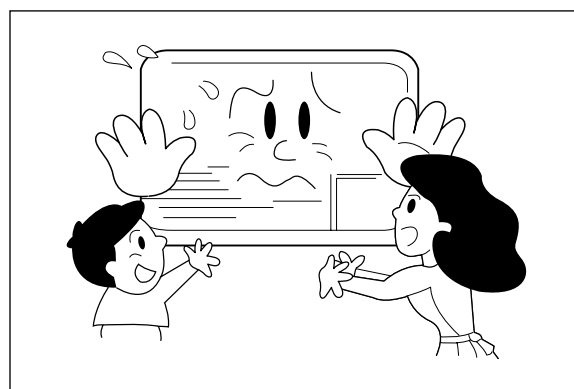


Fig. 1-3 No Kids Nearby!

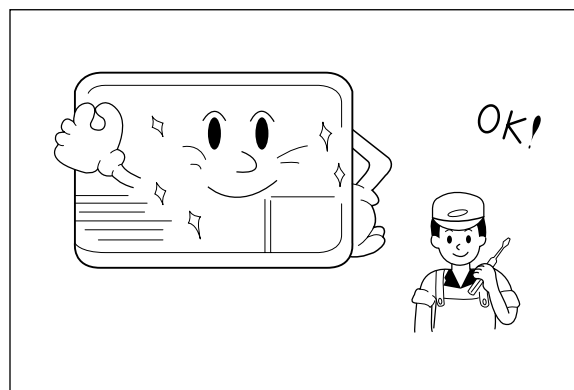


Fig. 1-4 Clean the Unit

Notice : The symbol of model name

Type	Model Name	
A	AW07GANBA	AW09FANBA
	AW07FANBA	AW09GANBA
	AW07FANEA	AW09FANEA
	AW07GANEA	AW09GANEA
B	AW12FADBA	AW10FADBA
	AW12FADEA	AW12FADBB
	AW12GADEA	AW12FBDAA
	AW12FADAA	AW12FBDDBA

2. Product Specifications

2-1 Table

Item	Unit of Measure	AW07FANBA AW07GANBA	AW09FANBA AW09GANBA	AW12FADBA AW12FBDBA	AW12FADAA AW12FBDAA	AW10FADBA
Type	-	WINDOW				
Dimension: (Width x Height x Depth)	mm	520 x 345 x 485		600 x 394 x 595		
Voltage	Volt	220 (230-208)			115	220
Phase	-	SINGLE				
Frequency	Hz	60				
Operation Current	A	3.3	4.5	5.6	11.7	4.8
Power Consumption	W	720	960	1,250	1,250	1,050
Refrigerant Type	FREON	R-22				
Refrigerant Charge	g	365	510	580		470
Capacity	BTU/h	7,200	8,500	12,200		10,000
EER	BTU/h.W	10.0	8.9	9.98	9.94	9.5
Net Weight	kg	29		42		41
Condenser	Row	2 x 15	3 x 15	3 x 17		2 x 17
Condenser Fan	Type	Propeller Fan				
Evaporator	Row	2 x 14		3 x 16		2 x 14
Evaporator Fan	Type	Blower				
Fan Motor	MODEL	IC-9630SWF6X	IC-9630SWF6G	YGN60-6D	YGN60-6B	YFK-70-6E
Compressor (Rotary)	MODEL	44A072IW1EB	44B092IU1EF	44B124IX1EL	44B124HX1EL	44B102IU1EL
Overload Protect	-	MRA12043-12008	MRA12032-12008	MRA12070-12007	MRA98693-12008	RAC12049-6200
Compressor Capacitor	μF/VAC	25 / 370	20 / 370	30 / 450	50 / 370	20 / 450
Fan Motor Capacitor	μF/VAC	2.5 / 450	3 / 450	3.5 / 450	15 / 250	2.5 / 450
Fan Speed	RPM	840 / 700 / 600	910 / 780 / 690	880 / 830 / 780	880 / 830 / 780	760 / 660 / 560
Thermo Control	-	THERMISTOR				
Air Swing	MODEL	M2LJ49ZV32			M2CK59ZT79-H	M2LJ49ZV32

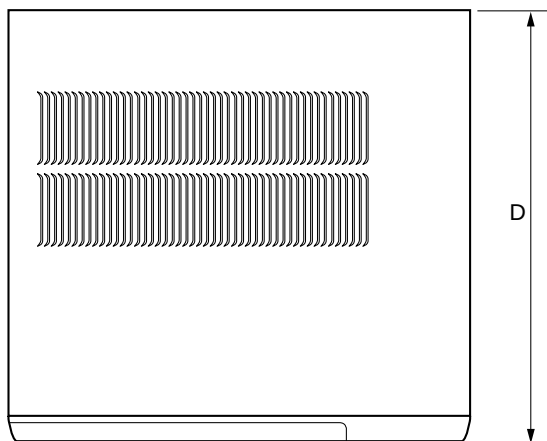
Table (cont.)

Item	Unit of Measure	AW07FANEAAW07GANEAA	AW09FANEAAW09GANEAA	AW12FADEAAW12GADEAA	AW12FADBB	Remarks
Type	-	WINDOW				
Dimension: (Width x Height x Depth)	mm	520 x 345 x 485		600 x 394 x 595		
Voltage	Volt	220-240			220	
Phase	-	SINGLE				
Frequency	Hz	50			60	
Operation Current	A	3.4	4.3	6.0	5.5	
Power Consumption	W	760	930	1,340	1,150	
Refrigerant Type	FREON	R-22				
Refrigerant Charge	g	365	480	480	580	
Capacity	BTU/h	7,200	8,500	12,000	3.2KW	
EER	BTU/h.W	9.7	9.1	9.0	2.77(C.O.P)	
Net Weight	kg	29		43	42	
Condenser	Row	2 x 15	3 x 15	2 x 17	3 x 17	
Condenser Fan	Type	Propeller Fan				
Evaporator	Row	2 x 14		3 x 16		
Evaporator Fan	Type	Blower				
Fan Motor	MODEL	IC-9430SWJ5C		YFK-70-6C	YFK-70-6E	
Compressor (Rotary)	MODEL	44A070JW1EB	44B092JU2EF	48A124JV1EL	44B124IX1EL	
Overload Protect	-	MST24AMN-12008	MRA12054-12008	MRA12030-12008	MRA12070-12007	
Compressor Capacitor	μF/VAC	25 / 450	35 / 450	30 / 450	30 / 450	
Fan Motor Capacitor	μF/VAC	2.5 / 450	3 / 450	3.5 / 450	3.0 / 450	
Fan Speed	RPM	840 / 770 / 620 (at 240V)	880 / 810 / 660 (at 240V)	880 / 800 / 720	790 / 720 / 640	
Thermo Control	-	THERMISTOR				
Air Swing	MODEL	M2LJ49ZV32				

2-2 Dimensions

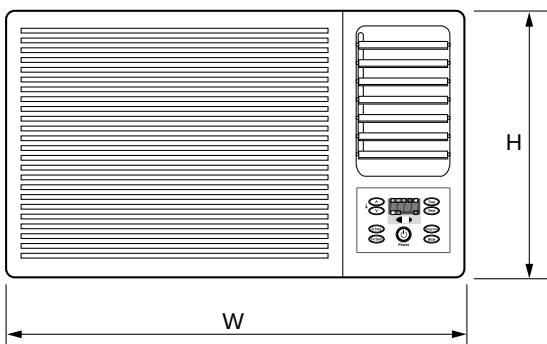
2-2-1 Main Unit

(Unit : mm)

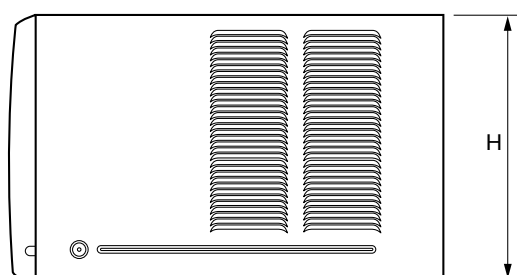


Type	W	H	D
A	520	345	485
B	600	394	595

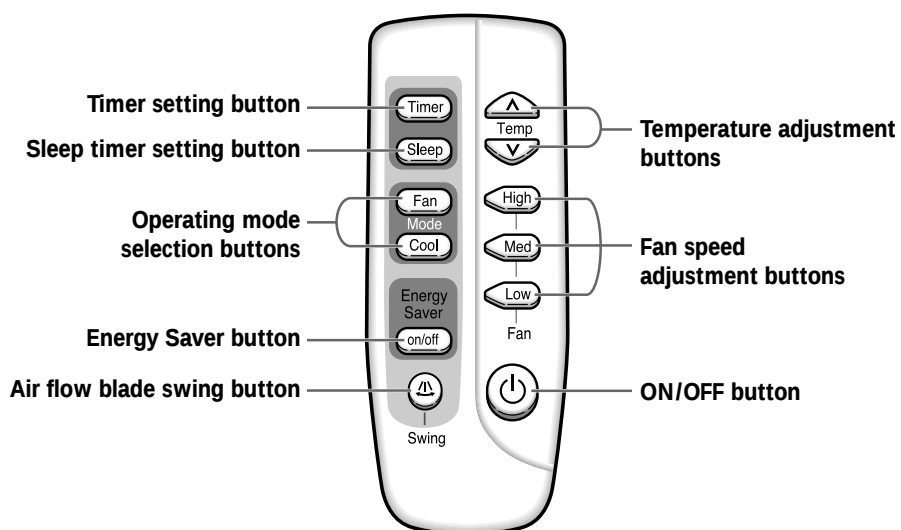
Front view



Side view



2-2-2 Remote Control



MEMO