



Product Information and Technical Guide

2000 Room Air Conditioners

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ATTENTION SERVICERS!

To get a helping hand, visit the
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User name: service

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SAFE SERVICING PRACTICES - ALL APPLIANCES

To avoid personal injury or property damage, it is important that **Safe Servicing Practices** be observed. The following are some limited examples of safe practices.

1. **DO NOT** attempt a product repair if you doubt your ability to complete it in a safe and satisfactory manner.
2. Before servicing or moving an appliance
 - Remove power cord from electrical outlet, trip circuit breaker to **OFF** position, or remove fuse
 - Turn off gas supply
 - Turn off water supply
3. Never interfere with the proper operation of any safety device.
4. **Use only OEM replacement parts cataloged for this appliance. Substitutions may defeat compliance with safety standards set for home appliances.**
5. **GROUNDING:** The standard color coding for safety ground wires is **GREEN**, or **GREEN** with **YELLOW STRIPES**. **DO NOT** use ground leads as current carrying conductors. It is **EXTREMELY** important that the service technician reestablish all safety grounds prior to completing service. Failure to do so will create an electrical hazard.
6. Prior to returning the product to service, ensure that
 - All electrical connections are correct and secure
 - All electrical leads are properly dressed and secured away from sharp edges, high-temperature components, and moving parts
 - All non-insulated electrical terminals, connectors, heaters, etc. are adequately spaced away from all metal parts and panels
 - All safety grounds (both internal and external) are correctly and securely connected
 - All panels are properly and securely reassembled

WARNING

This service manual is intended for use by persons having electrical and mechanical training and a level of knowledge of these subjects generally considered acceptable in the appliance repair trade. Electrolux Home Products Inc. cannot be responsible, nor assume any liability, for injury or damage of any kind arising from the use of this manual.

FRIGIDAIRE MODEL SPECIFICATIONS

Model	FAC051J7Z1	FAC052J7A1	FAC052J7A2	FAC052J7A3	FAC053J7A1
Chassis Type	Compact	Compact	Compact	Compact	Compact
Capacity Features					
BTU - Cooling	5050	5050	5050	5050	5200
BTU - Heating	-	-	-	-	-
Moisture Removal	1.05	1.05	1.05	1.05	1.35
EER	8	8	8	8	9
Electrical Information					
Voltage	115	115	115	115	115
Amps - Cooling	6.2	6.2	6.2	6.2	5.5
Amps - Heating	-	-	-	-	-
Watts - Cooling	632	632	632	632	575
Watts - Heating	-	-	-	-	-
Fuse/Breaker (Amps)	15	15	15	15	15
Receptacle Code	A	A	A	A	A
Wiring Diagram	309107201	309107301	309107301	309107301	309103901
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Air Flow System					
Capacitor- μ farads	7.5/370	7.5/370	5/370	5/370	7.5/370
Fan Motor Mfg.	McMillian	McMillian	GE PSC	GE PSC	McMillian
Fan Motor Number	309615302	309615302	309642402	309642402	309615302
RPM/CMP (EVAP)					
High	1115/205	1115/205	1115/205	1115/205	1120/175
Medium	1035/190	1035/190	1035/190	1035/190	1050/165
Low	875/155	875/155	875/155	875/155	930/145
Heat Only	-	-	-	-	-
Refrigeration System					
Compressor Mfg.	Goldstar	Goldstar	Goldstar	Goldstar	Matsushita
Compressor Number	QA075CD11B	QA075CD11B	QA075CD11B	QA075CAA	2R7U126D-6A
Compressor Type	Rotary	Rotary	Rotary	Rotary	Rotary
Overload Protector	A363721	A363721	A363721	A363774	A363770
Capacitor- μ farads	25/370	25/370	25/370	35/370	35/370
Refrigerant Charge	9	9	9	9	11.5
Restrictor Tube	A112113	A112113	A112104	A112103	A112123
Thermostat Type	Capillary	Capillary	Capillary	Capillary	Capillary
Installation Instructions					
Kit Type	Z	A	A	A	A
Part Number	309000901	309000902	309000902	309000902	309000902
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FRIGIDAIRE MODEL SPECIFICATIONS

Model	FAC053J7A2	FAC053J7A3	FAC053J7A4	FAC054J7A1	FAC054J7A2
Chassis Type	Compact	Compact	Compact	Compact	Compact
Capacity Features					
BTU - Cooling	5200	5200	5200	5200	5200
BTU - Heating	-	-	-	-	-
Moisture Removal	1.35	1.35	1.35	1.35	1.35
EER	9	9	9	9	9
Electrical Information					
Voltage	115	115	115	115	115
Amps - Cooling	5.5	5.5	5.5	5.5	5.5
Amps - Heating	-	-	-	-	-
Watts - Cooling	575	575	575	575	575
Watts - Heating	-	-	-	-	-
Fuse/Breaker (Amps)	15	15	15	15	15
Receptacle Code	A	A	A	A	A
Wiring Diagram	309103901	309103901	309103901	309341601	309341601
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Air Flow System					
Capacitor- μ farads	7.5/370	5/370	5/370	7.5/370	7.5/370
Fan Motor Mfg.	McMillian	GE PSC	McMillian	McMillian	McMillian
Fan Motor Number	309615302	309642402	309615302	309615302	309615302
RPM/CMP (EVAP)					
High	1120/175	1120/175	1120/175	1120/175	1120/175
Medium	1050/165	1050/165	1050/165	1050/165	1050/165
Low	930/145	930/145	930/145	930/145	930/145
Heat Only	-	-	-	-	-
Refrigeration System					
Compressor Mfg.	Matsushita	Goldstar	Matsushita	Matsushita	Matsushita
Compressor Number	2R7U126A-6A	QA075CD11B	2R7U126A-6A	2R7U126D-6A	2R7U126A-6A
Compressor Type	Rotary	Rotary	Rotary	Rotary	Rotary
Overload Protector	A363770	A363721	A363770	A363770	A363770
Capacitor- μ farads	35/370	25/370	35/370	35/370	35/370
Refrigerant Charge	11.5	11.5	11.5	11.5	11.5
Restrictor Tube	A112123	A112104	A112147	A112123	A112123
Thermostat Type	Capillary	Capillary	Capillary	Electronic	Electronic
Installation Instructions					
Kit Type	A	A	A	A	A
Part Number	309000902	309000902	309000902	309000902	309000902
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FRIGIDAIRE MODEL SPECIFICATIONS

Model	FAC054J7A3	FAC054J7A4	FAC055J7A1	FAC055J7A2	FAC055J7A3
Chassis Type	Compact	Compact	Compact	Compact	Compact
Capacity Features					
BTU - Cooling	5200	5200	5200	5200	5200
BTU - Heating	-	-	-	-	-
Moisture Removal	1.35	1.35	1.35	1.35	1.35
EER	9	9	9	9	9
Electrical Information					
Voltage	115	115	115	115	115
Amps - Cooling	5.5	5.5	5.5	5.5	5.5
Amps - Heating	-	-	-	-	-
Watts - Cooling	575	575	575	575	575
Watts - Heating	-	-	-	-	-
Fuse/Breaker (Amps)	15	15	15	15	15
Receptacle Code	A	A	A	A	A
Wiring Diagram	309341601	309341601	309341601	309341601	309341601
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Air Flow System					
Capacitor- μ farads	7.5/370	5/370	7.5/370	7.5/370	7.5/370
Fan Motor Mfg.	McMillian	GE PSC	McMillian	McMillian	McMillian
Fan Motor Number	309615302	309642402	309615302	309615302	309615302
RPM/CMP (EVAP)					
High	1120/175	1120/175	1120/175	1120/175	1120/175
Medium	1050/165	1050/165	1050/165	1050/165	1050/165
Low	930/145	930/145	930/145	930/145	930/145
Heat Only	-	-	-	-	-
Refrigeration System					
Compressor Mfg.	Matsushita	Goldstar	Matsushita	Matsushita	Matsushita
Compressor Number	2R7U126D-6A	QA075CD11B	2R7U126D-6A	2R7U126D-6A	2R7U126D-6A
Compressor Type	Rotary	Rotary	Rotary	Rotary	Rotary
Overload Protector	A363770	A363721	A363770	A363770	A363770
Capacitor- μ farads	35/370	25/370	35/370	35/370	35/370
Refrigerant Charge	11.5	11.5	11.5	11.5	11.5
Restrictor Tube	A112123	A112104	A112123	A112123	A112123
Thermostat Type	Electronic	Electronic	Electronic	Electronic	Electronic
Installation Instructions					
Kit Type	A	A	A	A	A
Part Number	309000902	309000902	309000902	309000902	309000902
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FRIGIDAIRE MODEL SPECIFICATIONS

Model	FAC055J7A4	FAC055J7A5	FAC055J7A6	FAC064J7A1	FAC064J7A2
Chassis Type	Compact	Compact	Compact	Compact	Compact
Capacity Features					
BTU - Cooling	5200	5200	5200	5950	5950
BTU - Heating	-	-	-	-	-
Moisture Removal	1.35	1.35	1.35	1.5	1.5
EER	9	9	9	9	9
Electrical Information					
Voltage	115	115	115	115	115
Amps - Cooling	5.5	5.5	5.5	6	6
Amps - Heating	-	-	-	-	-
Watts - Cooling	575	575	575	661	661
Watts - Heating	-	-	-	-	-
Fuse/Breaker (Amps)	15	15	15	15	15
Receptacle Code	A	A	A	A	A
Wiring Diagram	309341601	309341601	309341601	309341601	309341601
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Air Flow System					
Capacitor- μ farads	4/370	5/370	7.5/370	5/370	5/370
Fan Motor Mfg.	G.E. Clmshll	McMillian	McMillian	GE PSC	GE PSC
Fan Motor Number	309631506	309642402	309615302	309642402	309642402
RPM/CMP (EVAP)					
High	1120/175	1120/175	1120/175	1025/175	1025/175
Medium	1050/165	1050/165	1050/165	925/155	925/155
Low	930/145	930/145	930/145	825/140	825/140
Heat Only	-	-	-	-	-
Refrigeration System					
Compressor Mfg.	Matsushita	Matsushita	Matsushita	Matsushita	Matsushita
Compressor Number	2R7U126D-6A	2R7U126D-6A	2R7U126D-6A	2R9S3R126A	2R9S3R126A
Compressor Type	Rotary	Rotary	Rotary	Rotary	Rotary
Overload Protector	A363770	A363770	A363770	A363728	A363728
Capacitor- μ farads	35/370	35/370	35/370	35/370	35/370
Refrigerant Charge	11.5	11.5	11.5	14	14
Restrictor Tube	A112147	A112147	A112123	A112103	A112103
Thermostat Type	Electronic	Electronic	Electronic	Electronic	Electronic
Installation Instructions					
Kit Type	A	A	A	A	A
Part Number	309000902	309000902	309000902	309000902	309000902
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FRIGIDAIRE MODEL SPECIFICATIONS

Model	FAC064J7A3	FAC064J7A4	FAC064J7A5	FAC065J7A1	FAC065J7A2
Chassis Type	Compact	Compact	Compact	Compact	Compact
Capacity Features					
BTU - Cooling	5950	5950	5950	5950	5950
BTU - Heating	-	-	-	-	-
Moisture Removal	1.5	1.5	1.5	1.5	1.5
EER	9	9	9	9	9
Electrical Information					
Voltage	115	115	115	115	115
Amps - Cooling	6	6	6	6	6
Amps - Heating	-	-	-	-	-
Watts - Cooling	661	661	661	661	661
Watts - Heating	-	-	-	-	-
Fuse/Breaker (Amps)	15	15	15	15	15
Receptacle Code	A	A	A	A	A
Wiring Diagram	309341601	309341601	309341601	309341601	309341601
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Air Flow System					
Capacitor- μ farads	5/370	5/370	5/370	4/370	4/370
Fan Motor Mfg.	GE Clamshell	GE PSC	GE PSC	GE PSC	GE PSC
Fan Motor Number	309631506	309642402	309642402	309642402	309642402
RPM/CMP (EVAP)					
High	N/A	1025/175	1025/175	1025/175	1025/175
Medium	N/A	925/155	925/155	925/155	925/155
Low	N/A	825/140	825/140	825/140	825/140
Heat Only	-	-	-	-	-
Refrigeration System					
Compressor Mfg.	Matsushita	Matsushita	Matsushita	Matsushita	Matsushita
Compressor Number	2R9S3R126A	2R9S3R126A	2R9S3R126A	2R7U126D-6A	2R9S3R126A
Compressor Type	Rotary	Rotary	Rotary	Rotary	Rotary
Overload Protector	A363728	A363728	A363728	A363728	A363728
Capacitor- μ farads	35/370	35/370	35/370	35/370	35/370
Refrigerant Charge	14	14	14	11.5	14
Restrictor Tube	A112103	A112103	A112103	A112123	A112103
Thermostat Type	Electronic	Electronic	Electronic	Electronic	Electronic
Installation Instructions					
Kit Type	A	A	A	A	A
Part Number	309000902	309000902	309000902	309000902	309000902
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FRIGIDAIRE MODEL SPECIFICATIONS

Model	FAC065J7A3	FAC065J7A4	FAC065J7A5	FAC080J7A1	FAC080J7A2
Chassis Type	Compact	Compact	Compact	Compact	Compact
Capacity Features					
BTU - Cooling	5950	5950	5950	8000	8000
BTU - Heating	-	-	-	-	-
Moisture Removal	1.5	1.5	1.5	2.1	2.1
EER	9	9	9	9.5	9.5
Electrical Information					
Voltage	115	115	115	115	115
Amps - Cooling	6	6	6	7.5	7.5
Amps - Heating	-	-	-	-	-
Watts - Cooling	661	661	661	845	845
Watts - Heating	-	-	-	-	-
Fuse/Breaker (Amps)	15	15	15	15	15
Receptacle Code	A	A	A	A	A
Wiring Diagram	309341601	309341601	309341601	309103901	309103901
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Air Flow System					
Capacitor- μ farads	4/370	4/370	4/370	10/370	10/370
Fan Motor Mfg.	GE PSC	GE PSC	GE PSC	GE Clamshell	Raider PSC
Fan Motor Number	309642402	309642402	309642402	309631505	309627301
RPM/CMP (EVAP)					
High	1025/175	1025/175	1025/175	1570/215	1570/215
Medium	925/155	925/155	925/155	1400/190	1400/190
Low	825/140	825/140	825/140	1200/155	1200/155
Heat Only	-	-	-	-	-
Refrigeration System					
Compressor Mfg.	Matsushita	Matsushita	Matsushita	Sanyo	Sanyo
Compressor Number	2R7S126A-6A	2R9S3R126A	2R9S3R126A	806-551-42	806-551-42
Compressor Type	Rotary	Rotary	Rotary	Rotary	Rotary
Overload Protector	A363728	A363728	A363728	A363719	A363719
Capacitor- μ farads	35/370	35/370	35/370	35/370	35/370
Refrigerant Charge	11.5	14	14	22.75	22.75
Restrictor Tube	A112103	A112103	A112103	A112116	A112116
Thermostat Type	Electronic	Electronic	Electronic	Capillary	Capillary
Installation Instructions					
Kit Type	A	A	A	A	A
Part Number	309000902	309000902	309000902	309000902	309000902
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FRIGIDAIRE MODEL SPECIFICATIONS

Model	FAC082J7A1	FAC082J7A2	FAC082J7A3	FAC082J7A4	FAC082J7A5
Chassis Type	Compact	Compact	Compact	Compact	Compact
Capacity Features					
BTU - Cooling	7700	7700	7700	7700	7700
BTU - Heating	-	-	-	-	-
Moisture Removal	2.5	2.5	2.5	2.5	2.5
EER	8.7	8.7	8.7	8.7	8.7
Electrical Information					
Voltage	115	115	115	115	115
Amps - Cooling	7.5	7.5	7.5	7.5	7.5
Amps - Heating	-	-	-	-	-
Watts - Cooling	885	885	885	885	885
Watts - Heating	-	-	-	-	-
Fuse/Breaker (Amps)	15	15	15	15	15
Receptacle Code	A	A	A	A	A
Wiring Diagram	309103901	309103901	309103901	309103901	309103901
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Air Flow System					
Capacitor- μ farads	10/370	10/370	10/370	10/370	10/370
Fan Motor Mfg.	GE Clamshell	Raider PSC	GE Clamshell	Raider PSC	Raider PSC
Fan Motor Number	309631502	309627301	309631502	309627301	309627301
RPM/CMP (EVAP)					
High	1550/239	1550/239	1550/239	1550/239	1550/239
Medium	1330/203	1330/203	1330/203	1330/203	1330/203
Low	1100/167	1100/167	1100/167	1100/167	1100/167
Heat Only	-	-	-	-	-
Refrigeration System					
Compressor Mfg.	Tecumseh	Tecumseh	Matsushita	Matsushita	Sanyo
Compressor Number	RGA5480EXA	RGA5480EXA	2R12S3R126A-6A	2R12S3R126A-6A	806-623-42
Compressor Type	Rotary	Rotary	Rotary	Rotary	Rotary
Overload Protector	A363762	A363762	A363727	A363727	A363719
Capacitor- μ farads	35/370	35/370	35/370	35/370	40/370
Refrigerant Charge	16	16	16	16	16
Restrictor Tube	A112102	A112102	A112116	A112116	A112116
Thermostat Type	Capillary	Capillary	Capillary	Capillary	Capillary
Installation Instructions					
Kit Type	A	A	A	A	A
Part Number	309000902	309000902	309000902	309000902	309000902
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FRIGIDAIRE MODEL SPECIFICATIONS

Model	FAC082J7A6	FAC082J7A7	FAC082J7A8	FAC083J7A1	FAC083J7A2
Chassis Type	Compact	Compact	Compact	Compact	Compact
Capacity Features					
BTU - Cooling	7700	7700	7700	8000	8000
BTU - Heating	-	-	-	-	-
Moisture Removal	2.5	2.5	2.5	2.1	2.1
EER	8.7	8.7	8.7	9.5	9.5
Electrical Information					
Voltage	115	115	115	115	115
Amps - Cooling	7.5	7.5	7.5	7.5	7.5
Amps - Heating	-	-	-	-	-
Watts - Cooling	885	885	885	845	845
Watts - Heating	-	-	-	-	-
Fuse/Breaker (Amps)	15	15	15	15	15
Receptacle Code	A	A	A	A	A
Wiring Diagram	309103901	309103901	309103901	309103901	309103901
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Air Flow System					
Capacitor- μ farads	10/370	10/370	10/370	10/370	10/370
Fan Motor Mfg.	GE Clamshell	Raider PSC	GE Clamshell	GE Clamshell	Raider PSC
Fan Motor Number	309631502	309627301	309631505	309631505	309627301
RPM/CMP (EVAP)					
High	1550/239	1550/239	1550/239	1570/215	1570/215
Medium	1330/203	1330/203	1330/203	1400/190	1400/190
Low	1100/167	1100/167	1100/167	1200/155	1200/155
Heat Only	-	-	-	-	-
Refrigeration System					
Compressor Mfg.	Sanyo	Sanyo	Sanyo	Sanyo	Sanyo
Compressor Number	806-623-42	806-551-42	806-623-42	806-551-42	806-551-42
Compressor Type	Rotary	Rotary	Rotary	Rotary	Rotary
Overload Protector	A363719	A363719	A363719	A363719	A363719
Capacitor- μ farads	40/370	35/370	40/370	35/370	35/370
Refrigerant Charge	16	16	16	22.75	22.75
Restrictor Tube	A112116	A112116	A112116	A112116	A112116
Thermostat Type	Capillary	Capillary	Capillary	Capillary	Capillary
Installation Instructions					
Kit Type	A	A	A	A	A
Part Number	309000902	309000902	309000902	309000902	309000902
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FRIGIDAIRE MODEL SPECIFICATIONS

Model	FAC084J7A1	FAC084J7A2	FAC085J7A1	FAC085J7A2	FAC085J7A3
Chassis Type	Compact	Compact	Compact	Compact	Compact
Capacity Features					
BTU - Cooling	8000	8000	8000	8000	8000
BTU - Heating	-	-	-	-	-
Moisture Removal	2.1	2.1	2.1	2.1	2.1
EER	9.5	9.5	9.5	9.5	9.5
Electrical Information					
Voltage	115	115	115	115	115
Amps - Cooling	7.5	7.5	7.5	7.5	7.5
Amps - Heating	-	-	-	-	-
Watts - Cooling	845	845	845	845	845
Watts - Heating	-	-	-	-	-
Fuse/Breaker (Amps)	15	15	15	15	15
Receptacle Code	A	A	A	A	A
Wiring Diagram	309341601	309341601	309341601	309341601	30934160129
Page #	43	43	43	43	43
Air Flow System					
Capacitor- μ farads	10/370	10/370	10/370	10/370	10/370
Fan Motor Mfg.	Raider PSC	Raider PSC	GE Clamshell	Raider PSC	Raider PSC
Fan Motor Number	309627301	309627301	309631505	309627301	309627301
RPM/CMP (EVAP)					
High	1570/215	1570/215	1570/215	1570/215	1570/215
Medium	1400/190	1400/190	1400/190	1400/190	1400/190
Low	1200/155	1200/155	1200/155	1200/155	1200/155
Heat Only	-	-	-	-	-
Refrigeration System					
Compressor Mfg.	Sanyo	Sanyo	Sanyo	Sanyo	Sanyo
Compressor Number	806-551-42	806-551-42	806-551-42	806-551-42	806-551-42
Compressor Type	Rotary	Rotary	Rotary	Rotary	Rotary
Overload Protector	A363719	A363719	A363719	A363719	A363719
Capacitor- μ farads	35/370	35/370	35/370	35/370	35/370
Refrigerant Charge	22.75	22.75	22.75	22.75	22.75
Restrictor Tube	A112116	A112116	A112116	A112116	A112116
Thermostat Type	Electronic	Electronic	Electronic	Electronic	Electronic
Installation Instructions					
Kit Type	A	A	A	A	A
Part Number	309000902	309000902	309000902	309000902	309000902
Control Thermostat Location Diagram	Page 33	Page 33	Page 33	Page 33	Page 33
Condenser Fan and Evaporator Blower Location Diagram	Page 35	Page 35	Page 35	Page 35	Page 35

FRIGIDAIRE MODEL SPECIFICATIONS

Model	FAC103J7A1	FAC103J7A2			
Chassis Type	Compact	Compact			
Capacity Features BTU - Cooling BTU - Heating Moisture Removal EER	9950 - 3 9	9950 - 3 9			
Electrical Information Voltage Amps - Cooling Amps - Heating Watts - Cooling Watts - Heating Fuse/Breaker (Amps) Receptacle Code Wiring Diagram Page #	115 10.5 - 1110 - 15 A 309103901 39	115 10.5 - 1110 - 15 A 309103901 39			
Air Flow System Capacitor- μ farads Fan Motor Mfg. Fan Motor Number RPM/CMP (EVAP) High Medium Low Heat Only	10/370 Raider PSC 309627307 1650/250 1500/225 1300/190 -	10/370 GE Clamshell 309631504 1650/250 1500/225 1300/190 -			
Refrigeration System Compressor Mfg. Compressor Number Compressor Type Overload Protector Capacitor- μ farads Refrigerant Charge Restrictor Tube Thermostat Type	Goldstar QK147CN22A Rotary A363761 40/370 19.25 A112105 Capillary	Goldstar QK147CN22A Rotary A363761 40/370 19.25 A112105 Capillary			
Installation Instructions Kit Type Part Number	A 309000902	A 309000902			
Control Thermostat Location Diagram	Page 33	Page 33			
Condenser Fan and Evaporator Blower Location Diagram	Page 35	Page 35			

FRIGIDAIRE MODEL SPECIFICATIONS

Model	FAK083J7V1	FAK103J1V1	FAK103J1V2	FAK123J1V1	
Chassis Type	Slider Casement	Slider Casement	Slider Casement	Slider Casement	
Capacity Features					
BTU - Cooling	8000	10000	10000	12000	
BTU - Heating	-	-	-	-	
Moisture Removal	2	2.5	3	3.0	
EER	10.5	9.5	9.5	9.5	
Electrical Information					
Voltage	115	115	115	115	
Amps - Cooling	6.7	8.8	8.8	11.8	
Amps - Heating	-	-	-	-	
Watts - Cooling	760	1050	1050	1265	
Watts - Heating	-	-	-	-	
Fuse/Breaker (Amps)	15	15	15	15	
Receptacle Code	A	A	A	A	
Wiring Diagram	A232012	A232012	A232012	A232012	
Page #	37	37	37	37	
Air Flow System					
Capacitor- μ farads	5/370	15/370	15/370	15/370	
Fan Motor Mfg.	G.E.	G.E.	G.E.	G.E.	
Fan Motor Number	309617704	309617703	309617703	309617703	
RPM/CMP (EVAP)					
High	1100/255	1375/305	1360/305	1375/305	
Medium	950/220	1140/245	1100/245	1140/245	
Low	750/165	940/195	870/195	940/195	
Heat Only	-	-	-	-	
Refrigeration System					
Compressor Mfg.	Tecumseh	Tecumseh	Sanyo	Tecumseh	
Compressor Number	RGA5472EXA	RGA5492EXA	806-971-42	RGA5512EXA	
Compressor Type	Rotary	Rotary	Rotary	Rotary	
Overload Protector	A363754	A363760	A363716	A363763	
Capacitor- μ farads	35/370	35/370	40/370	35/370	
Refrigerant Charge	21	19	20	23.25	
Restrictor Tube	A112124	A112129	A112137	A112104	
Thermostat Type	Bulb	Bulb	Bulb	Bulb	
Installation Instructions					
Kit Type	V	V	V	V	
Part Number	309000903	309000903	309000903	309000903	
Control Thermostat Location Diagram	Page 33	Page33	Page 33	Page 33	
Condenser Fan and Evaporator Blower Location Diagram	Page 35	Page 35	Page 35	Page 35	

FRIGIDAIRE MODEL SPECIFICATIONS

Model	FAH08EJ1T1	FAH08EJ1T2	FAH10EJ2T1	FAH12EJ2T1
Chassis Type	18.5" - No Side Louvers	18.5" - No Side Louvers	18.5" - No Side Louvers	18.5" - No Side Louvers
Capacity Features				
BTU - Cooling	8000	8000	10000/9800	12000/11700
BTU - Heating	4200	4200	10600/8600	10600/8600
Moisture Removal	1.9	1.9	3	4
EER	8.5	8.5	8.5	8.5
Electrical Information				
Voltage	115	115	230/208	230/208
Amps - Cooling	8.5	8.5	5.5/6	6.4/6.7
Amps - Heating	12	12	15.5/14	15.5/14
Watts - Cooling	940	940	1175/1155	1415/1380
Watts - Heating	1250	1250	3450/2800	3450/2800
Fuse/Breaker (Amps)	15	15	20	20
Receptacle Code	A	A	C	C
Wiring Diagram	309104101	309104101	309104101	309104101
Page #	40	40	40	40
Air Flow System				
Capacitor- μ farads	10/370	10/370	6/370	7.5/370
Fan Motor Mfg.	G.E.	G.E.	G.E.	G.E.
Fan Motor Number	A513819	A513819	A513820	A513820
RPM/CMP (EVAP)				
High	1130/250	1130/250	1280/290	1280/265
Medium	1015/220	1015/220	1135/250	1135/230
Low	870/185	870/185	975/210	975/195
Heat Only	-	-	-	-
Refrigeration System				
Compressor Mfg.	Matsushita	Sanyo	Matsushita	Matsushita
Compressor Number	2R12S3R126A-6A	806-551-42	2P15S236A-1D	2P18S236-1A
Compressor Type	Rotary	Rotary	Rotary	Rotary
Overload Protector	A363727	A363719	A363755	A363775
Capacitor- μ farads	35/370	35/370	30/370	30/370
Refrigerant Charge	17.25	17.25	19.5	23.5
Restrictor Tube	A112115	A112139	A112104	A112134
Thermostat Type	Bulb	Bulb	Bulb	Bulb
Installation Instructions				
Kit Type	T	T	T	T
Part Number	309000913	309000913	309000913	309000913
Control Thermostat				
Location Diagram	Page 34	Page34	Page 34	Page 34
Condenser Fan and				
Evaporator Blower Location	Page 35	Page 35	Page 35	Page 35
Diagram				

FRIGIDAIRE MODEL SPECIFICATIONS

Model	FAH086J1T1	FAH086J1T2	FAH096J2T1	FAH096J2T2
Chassis Type	18.5" - No Side Louvers	18.5" - No Side Louvers	18.5" - No Side Louvers	18.5" - No Side Louvers
Capacity Features				
BTU - Cooling	80000	8000	8500/8300	8500/8300
BTU - Heating	-	-	-	-
Moisture Removal	1.9	2.5	2.4	2.8
EER	8.5	8.5	8.5	8.5
Electrical Information				
Voltage	115	115	230/208	230/208
Amps - Cooling	8.5	8.5	4.5/4.7	4.5/4.7
Amps - Heating	-	-	-	-
Watts - Cooling	940	940	1000/975	1000/975
Watts - Heating	-	-	-	-
Fuse/Breaker (Amps)	15	15	15	15
Receptacle Code	A	A	B	B
Wiring Diagram	309107703	309107703	309107703	309107703
Page #	42	42	42	42
Air Flow System				
Capacitor- μ farads	10/370	10/370	6/370	6/370
Fan Motor Mfg.	G.E.	G.E.	G.E.	G.E.
Fan Motor Number	A513816	A513816	A513815	A513815
RPM/CMP (EVAP)				
High	1130/250	1130/250	1115/245	1115/245
Medium	1015/220	1015/220	985/215	985/215
Low	870/185	890/185	875/180	875/180
Heat Only	-	-	-	-
Refrigeration System				
Compressor Mfg.	Matsushita	Sanyo	Matsushita	Goldstar
Compressor Number	2R12S3R126A-6A	806-551-42	2R13S3R236A-6A	QB125KL12A
Compressor Type	Rotary	Rotary	Rotary	Rotary
Overload Protector	A363727	A363719	A363779	A363773
Capacitor- μ farads	35/370	35/370	15/370	25/370
Refrigerant Charge	17.25	16.75	17.5	16.00
Restrictor Tube	A112115	A112139	A112148	A112115
Thermostat Type	Bulb	Bulb	Bulb	Bulb
Installation Instructions				
Kit Type	T	T	T	T
Part Number	309000913	309000913	309000913	309000913
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Condenser Fan and Evaporator Blower Location Diagram	Page 35	Page 35	Page 35	Page 35

FRIGIDAIRE MODEL SPECIFICATIONS

Model	FAH106J1T1	FAH106J2T1	FAH126J2T1		
Chassis Type	18.5" - No Side Louvers	18.5" - No Side Louvers	18.5" - No Side Louvers		
Capacity Features BTU - Cooling BTU - Heating Moisture Removal EER	10000 - 3 8.5	10000/9800 - 3 8.5	12000/11700 - 4 8.5		
Electrical Information Voltage Amps - Cooling Amps - Heating Watts - Cooling Watts - Heating Fuse/Breaker (Amps) Receptacle Code Wiring Diagram Page #	115 10.5 - 1175 - 15 A 309107703 42	230/208 5.5/6 - 1175/1155 - 15/20 B 309107703 42	230/208 6.4/6.7 - 1415/1380 - 15/20 B 309107703 42		
Air Flow System Capacitor- μ farads Fan Motor Mfg. Fan Motor Number RPM/CMP (EVAP) High Medium Low Heat Only	10/370 G.E. A513816 1130/250 1015/220 890/185 -	7.5/370 G.E. A513817 1280/290 1135/250 975/210 -	7.5/370 G.E. A513817 1280/265 1135/230 975/195 -		
Refrigeration System Compressor Mfg. Compressor Number Compressor Type Overload Protector Capacitor- μ farads Refrigerant Charge Restrictor Tube Thermostat Type	Matsushita 2P15S3R126B-1F Rotary A363724 40/370 20 A112147 Bulb	Matsushita 2P15S236A-1D Rotary A363755 30/370 18.5 A112104 Bulb	Matsushita 2P18S236-1A Rotary A363775 30/370 23.5 A112134 Bulb		
Installation Instructions Kit Type Part Number	T 309000913	T 309000913	T 309000913		
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Condenser Fan and Evaporator Blower Location Diagram	Page 35	Page 35	Page 35		

FRIGIDAIRE MODEL SPECIFICATIONS

Model	FAL104J1A1	FAL104J1A3	FAL105J1A1	FAL105J1A2	FAL105J1A4
Chassis Type	22" Top Control	22" Top Control	22" Top Control	22" Top Control	22" Top Control
Capacity Features					
BTU - Cooling	10000	10000	10000	10000	10000
BTU - Heating	-	-	-	-	-
Moisture Removal	3	3	3	3	3
EER	9.5	9.5	9.5	9.5	9.5
Electrical Information					
Voltage	115	115	115	115	115
Amps - Cooling	9.5	9.5	9.5	9.5	9.5
Amps - Heating	-	-	-	-	-
Watts - Cooling	1055	1055	1055	1055	1055
Watts - Heating	-	-	-	-	-
Fuse/Breaker (Amps)	15	15	15	15	15
Receptacle Code	A	A	A	A	A
Wiring Diagram	309343701	309343701	309343701	309343701	309343701
Page #	44	44	44	44	44
Air Flow System					
Capacitor- μ farads	10/370	10/370	7.5/370	10/370	10/370
Fan Motor Mfg.	Heshan	Heshan	G.E. PSC	Heshan	Heshan
Fan Motor Number	309630602	309630602	A513801	309630602	309630602
RPM/CMP (EVAP)					
High	1110/275	1110/275	1110/275	1110/275	1110/275
Medium	1050/260	1050/260	1050/260	1050/260	1050/260
Low	950/235	950/235	950/235	950/235	950/235
Heat Only	-	-	-	-	-
Refrigeration System					
Compressor Mfg.	Goldstar	Goldstar	Matsushita	Goldstar	Goldstar
Compressor Number	QK147CN22A	QK147CN22A	P15S3R126B-1F	QK147CN22A	QK147CN22A
Compressor Type	Rotary	Rotary	Rotary	Rotary	Rotary
Overload Protector	A363761	A363761	A363724	A363761	A363761
Capacitor- μ farads	40/370	40/370	40/370	40/370	40/370
Refrigerant Charge	19.25	19.25	19.25	19.25	19.25
Restrictor Tube	A112141	A112141	A112141	A112141	A112141
Thermostat Type	Electronic	Electronic	Electronic	Electronic	Electronic
Installation Instructions					
Kit Type	A	A	A	A	A
Part Number	309000904	309000904	309000904	309000904	309000904
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Condenser Fan and Evaporator Blower Location Diagram	Page36	Page36	Page36	Page36	Page36

FRIGIDAIRE MODEL SPECIFICATIONS

Model	FAL123J1A1	FAL123J1A2	FAL124J1A1	FAL124J1A2	FAL124J1A3
Chassis Type	22" Top Control	22" Top Control	22" Top Control	22" Top Control	22" Top Control
Capacity Features					
BTU - Cooling	12000	12000	12000	12000	12000
BTU - Heating	-	-	-	-	-
Moisture Removal	3.8	3.8	3.8	3.8	3.8
EER	9.5	9.5	9.5	9.5	9.5
Electrical Information					
Voltage	115	115	115	115	115
Amps - Cooling	11.2	11.2	11.2	11.2	11.2
Amps - Heating	-	-	-	-	-
Watts - Cooling	1265	1265	1265	1265	1265
Watts - Heating	-	-	-	-	-
Fuse/Breaker (Amps)	15	15	15	15	15
Receptacle Code	A	A	A	A	A
Wiring Diagram	309107703	309107703	309343701	309343701	309343701
Page #	42	42	44	44	44
Air Flow System					
Capacitor- μ farads	10/370	10/370	10/370	10/370	10/370
Fan Motor Mfg.	Heshan	G.E. PSC	Heshan	G.E. PSC	Heshan
Fan Motor Number	309630602	A513812	309630602	A513812	309630602
RPM/CMP (EVAP)					
High	1075/260	1075/260	1075/260	1075/260	1075/260
Medium	990/240	990/240	990/240	990/240	990/240
Low	900/210	900/210	900/210	900/210	900/210
Heat Only	-	-	-	-	-
Refrigeration System					
Compressor Mfg.	Sanyo	Sanyo	Sanyo	Sanyo	Sanyo
Compressor Number	806-934-42T	806-934-42T	806-934-42T	806-934-42T	806-934-42T
Compressor Type	Rotary	Rotary	Rotary	Rotary	Rotary
Overload Protector	A363705	A363705	A363705	A363705	A363705
Capacitor- μ farads	40/370	40/370	40/370	40/370	40/370
Refrigerant Charge	25.5	25.5	25.5	25.5	25.5
Restrictor Tube	A112122	A112122	A112122	A112122	A112122
Thermostat Type	Capillary	Capillary	Electronic	Electronic	Electronic
Installation Instructions					
Kit Type	A	A	A	A	A
Part Number	309000904	309000904	309000904	309000904	309000904
Control Thermostat Location Diagram	Page 33	Page 23	Page 34	Page 34	Page 34
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FRIGIDAIRE MODEL SPECIFICATIONS

Model	FAL124J1A4	FAL125J1A1	FAL125J1A2	FAL125J1A3	FAL125J1A4
Chassis Type	22" Top Control	22" Top Control	22" Top Control	22" Top Control	22" Top Control
Capacity Features					
BTU - Cooling	12000	12000	12000	12000	12000
BTU - Heating	-	-	-	-	-
Moisture Removal	3.8	3.8	3.8	3.8	3.8
EER	9.5	9.5	9.5	9.5	9.5
Electrical Information					
Voltage	115	115	115	115	115
Amps - Cooling	11.2	11.2	11.2	11.2	11.2
Amps - Heating	-	-	-	-	-
Watts - Cooling	1265	1265	1265	1265	1265
Watts - Heating	-	-	-	-	-
Fuse/Breaker (Amps)	15	15	15	15	15
Receptacle Code	A	A	A	A	A
Wiring Diagram	309343701	309343701	309343701	309343701	309343701
Page #	44	44	44	44	44
Air Flow System					
Capacitor- μ farads	10/370	10/370	10/370	10/370	10/370
Fan Motor Mfg.	GE PSC	Heshan	GE PSC	Heshan	GE PSC
Fan Motor Number	A513812	309630602	A513812	309630602	A513812
RPM/CMP (EVAP)					
High	1075/260	1075/260	1075/260	1075/260	1075/260
Medium	990/240	990/240	990/240	990/240	990/240
Low	900/210	900/210	900/210	900/210	900/210
Heat Only	-	-	-	-	-
Refrigeration System					
Compressor Mfg.	Sanyo	Sanyo	Sanyo	Sanyo	Sanyo
Compressor Number	806-934-42T	806-934-42T	806-934-42T	806-934-42T	806-934-42T
Compressor Type	Rotary	Rotary	Rotary	Rotary	Rotary
Overload Protector	A363705	A363705	A363705	A363705	A363705
Capacitor- μ farads	40/370	40/370	40/370	40/370	40/370
Refrigerant Charge	25.5	25.5	25.5	25.5	25.5
Restrictor Tube	A112122	A112122	A112122	A112122	A112122
Thermostat Type	Electronic	Electronic	Electronic	Electronic	Electronic
Installation Instructions					
Kit Type	A	A	A	A	A
Part Number	309000904	309000904	309000904	309000904	309000904
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Condenser Fan and Evaporator Blower Location Diagram	Page 36	Page 36	Page 36	Page 36	Page 36

FRIGIDAIRE MODEL SPECIFICATIONS

Model	FAS153J1A1	FAS154J1A1	FAS155J1A1	FAS182J2A1	FAS182J2A2
Chassis Type	Heavy Duty Top Control	Heavy Duty Top Control	Heavy Duty Top Control	Heavy Duty Top Control	Heavy Duty Top Control
Capacity Features					
BTU - Cooling	15000	15000	15000	18000/17800	18000/17800
BTU - Heating	-	-	-	-	-
Moisture Removal	3.6	3.6	3.6	5	5
EER	10.5	10.5	10.5	8.8	8.8
Electrical Information					
Voltage	115	115	115	230/208	230/208
Amps - Cooling	12	12	12	9/10	9/10
Amps - Heating	-	-	-	-	-
Watts - Cooling	1430	1430	1430	2045/2020	2045/2020
Watts - Heating	-	-	-	-	-
Fuse/Breaker (Amps)	15	15	15	15	15
Receptacle Code	A	A	A	B	B
Wiring Diagram	309343701	309107703	309343701	309107703	309107703
Page #	44	42	44	42	42
Air Flow System					
Capacitor- μ farads	10/370	10/370	10/370	10/370	7.5/370
Fan Motor Mfg.	GE PSC	GE PSC	GE PSC	GE PSC	GE PSC
Fan Motor Number	A478922	A478922	A478922	A478921	A478921
RPM/CMP (EVAP)					
High	980/485	980/485	980/485	1120/565	1120/565
Medium	910/450	910/450	910/450	1000/460	1000/460
Low	810/400	810/400	810/400	900/415	900/415
Heat Only	-	-	-	-	-
Refrigeration System					
Compressor Mfg.	Sanyo	Sanyo	Sanyo	Bristol	Goldstar
Compressor Number	806-078-42CW	806-078-42CW	806-078-42CW	H23B18SABCX	OJ264KE23B
Compressor Type	Rotary	Rotary	Rotary	Reciprocating	Rotary
Overload Protector	A363705	A363705	A363705	Internal	A363771
Capacitor- μ farads	40/370	40/370	40/370	40/370	25/370
Refrigerant Charge	37.5	37.5	37.5	29.5	29.5
Restrictor Tube	A112129	A112129	A112129	A112104	A112104
Thermostat Type	Electronic	Bulb	Electronic	Bulb	Bulb
Installation Instructions					
Kit Type	A	A	A	A	A
Part Number	309000906	309000906	309000906	309000906	309000906
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Condenser Fan and Evaporator Blower Location Diagram	Page 36	Page 36	Page 36	Page 36	Page 36

FRIGIDAIRE MODEL SPECIFICATIONS

Model	FAS182J2A3	FAS182J2A4	FAS184J2A1	FAS185J2A1	FAS224J2A1
Chassis Type	Heavy Duty Top Control	Heavy Duty Top Control	Heavy Duty Top Control	Heavy Duty Top Control	Heavy Duty Top Control
Capacity Features BTU - Cooling BTU - Heating Moisture Removal EER	18000/17800 - 5 8.8	18000/17800 - 5 8.8	18000/17800 - 5.5 9.7	18000/17800 - 5.5 9.7	22000/21600 - 6.5 8.5
Electrical Information Voltage Amps - Cooling Amps - Heating Watts - Cooling Watts - Heating Fuse/Breaker (Amps) Receptacle Code Wiring Diagram Page #	230/208 9/10 - 2045/2020 - 15 B 309107703 42	230/208 9/10 - 2045/2020 - 15 B 309107703 42	230/208 8.5/9 - 1855/1815 - 15 B 309343701 44	230/208 8.5/9 - 1855/1815 - 15 B 309343701 44	230/208 11.5/12.5 - 2590/2550 - 20 C 309107703 42
Air Flow System Capacitor- μ farads Fan Motor Mfg. Fan Motor Number RPM/CMP (EVAP) High Medium Low Heat Only	7.5/370 Heshan 309630604 1120/565 1000/460 900/415 -	7.5/370 GE PSC A478921 1120/565 1000/460 900/415 -	6/370 Heshan 309630603 950/480 830/420 770/390 -	6/370 Heshan 309630603 950/480 830/420 770/390 -	7.5/370 GE PSC A478921 1120/500 1010/450 910/400 -
Refrigeration System Compressor Mfg. Compressor Number Compressor Type Overload Protector Capacitor- μ farads Refrigerant Charge Restrictor Tube Thermostat Type	Goldstar QJ264KE23B Rotary A363771 30/370 29.5 A112104 Bulb	Bristol H23B18SABCX Reciprocating Internal 30/370 29.5 A112104 Bulb	Bristol H23B18SABCX Reciprocating Internal 30/370 34 A112103 Electronic	Bristol H23B18SABCX Reciprocating Internal 30/370 34 A112103 Electronic	Bristol H29B24UABCX Reciprocating Internal 30/370 33.5 A112114 Bulb
Installation Instructions Kit Type Part Number	A 309000906	A 309000906	A 309000906	A 309000906	A 309000906
Control Thermostat Location Diagram	Page 34	Page 34	Page 34	Page 34	Page 34
Condenser Fan and Evaporator Blower Location Diagram	Page 36	Page 36	Page 36	Page 36	Page 36

FRIGIDAIRE MODEL SPECIFICATIONS

Model	FAS225J2A1	FAS254J2A1	FAS255J2A1	FAS295J2A1	FAV18EJ2A1
Chassis Type	Heavy Duty Top Control	Heavy Duty Top Control	Heavy Duty Top Control	Heavy Duty Top Control	Heavy Duty Side Air
Capacity Features					
BTU - Cooling	22000/21600	25000/24700	25000/24700	28500/28000	18000/17800
BTU - Heating	-	-	-	-	13000/10600
Moisture Removal	6.5	8.5	8.5	10	5.3
EER	8.5	8.7	8.7	8.5	9.7
Electrical Information					
Voltage	230/208	230/208	230/208	230/208	230/208
Amps - Cooling	11.5/12.5	12.5/13.8	12.5/13.8	15/16.5	8.5/9
Amps - Heating	-	-	-	-	18.8/17.2
Watts - Cooling	2590/2550	2875/2840	2875/2840	3350/3295	1860/1840
Watts - Heating	-	-	-	-	4250/3450
Fuse/Breaker (Amps)	20	20	20	30	30
Receptacle Code	C	C	C	D	D
Wiring Diagram	309343701	309107703	309343701	309343702	A232304
Page #	44	42	44	45	38
Air Flow System					
Capacitor- μ farads	7.5/370	7.5/370	7.5/370	7.5/370	6/370
Fan Motor Mfg.	GE PSC	GE PSC	GE PSC	GE PSC	GE PSC
Fan Motor Number	A478921	A478921	A478921	A478930	A478920
RPM/CMP (EVAP)					
High-Cool	1120/500	1120/505	1120/505	1120/505	1000/560
High-Heat	-	-	-	-	860/535
Medium-Cool	1010/450	1000/400	1000/400	1000/400	900/500
Low-Cool	910/400	875/400	875/400	875/400	850/460
Low-Heat	-	-	-	-	780/420
Heat Only	-	-	-	-	-
Refrigeration System					
Compressor Mfg.	Bristol	Bristol	Bristol	Bristol	Bristol
Compressor Number	H29B24UABCX	H29B28UABCX	H29B28UABCX	H29B33UABCX	H23B18SABCX
Compressor Type	Reciprocating	Reciprocating	Reciprocating	Reciprocating	Reciprocating
Overload Protector	Internal	Internal	Internal	Internal	Internal
Capacitor- μ farads	35/370	35/370	35/370	40/370	30/370
Refrigerant Charge	33.5	38.5	38.5	38	36.25
Restrictor Tube	A112114	A112141	A112141	A112149	A112146
Thermostat Type	Electronic	Bulb	Electronic	Electronic	Bulb
Installation Instructions					
Kit Type	A	A	A	A	A
Part Number	309000906	309000906	309000906	309000906	309000906
Control Thermostat Location Diagram	Page 34	Page 34	Page 34	Page 34	Page 34
Condenser Fan and Evaporator Blower Location Diagram	Page 36	Page 36	Page 36	Page 36	Page 36

GIBSON MODEL SPECIFICATIONS

Model	GAC052J7A1	GAC082J7A1	GAC082J7A2	GAC082J7A3	GAC103J1A1
Chassis Type	Compact	Compact	Compact	Compact	Compact
Capacity Features					
BTU - Cooling	5050	7700	7700	7700	9950
BTU - Heating	-	-	-	-	-
Moisture Removal	1.05	2.5	2.5	2.5	3
EER	8	8.7	8.7	8.7	9
Electrical Information					
Voltage	115	115	115	115	115
Amps - Cooling	6.2	7.5	7.5	7.5	10.5
Amps - Heating	-	-	-	-	-
Watts - Cooling	632	885	885	885	1110
Watts - Heating	-	-	-	-	-
Fuse/Breaker (Amps)	15	15	15	15	15
Receptacle Code	A	A	A	A	A
Wiring Diagram	309107301	309103901	309103901	309103901	309103901
Page #	41	39	39	39	39
Air Flow System					
Capacitor- μ farads	7.5/370	10/370	10/370	10/370	10/370
Fan Motor Mfg.	McMillian	Raider	GE Clamshell	GE Clamshell	Raider PSC
Fan Motor Number	309615302	309627301	309631502	309631505	309627307
RPM/CMP (EVAP)					
High	1115/205	1550/239	1550/239	1550/239	1650/250
Medium	1035/190	1330/203	1330/203	1330/203	1500/225
Low	875/155	1100/167	1100/167	1100/167	1300/190
Heat Only	-	-	-	-	-
Refrigeration System					
Compressor Mfg.	Goldstar	Sanyo	Sanyo	Sanyo	Goldstar
Compressor Number	QA075CD11B	806-623-42	806-623-42	806-623-42	QK147CN22A
Compressor Type	Rotary	Rotary	Rotary	Rotary	Rotary
Overload Protector	A363721	A363719	A363719	A363719	A363761
Capacitor- μ farads	25/370	40/370	40/370	40/370	40/370
Refrigerant Charge	9	16	16	16	19.25
Restrictor Tube	A112113	A112116	A112116	A112116	A112105
Thermostat Type	Capillary	Capillary	Capillary	Capillary	Capillary
Installation Instructions					
Kit Type	A	A	A	A	A
Part Number	309000902	309000902	309000902	309000902	309000902
Control Thermostat Location Diagram	Page 33	Page 33	Page 33	Page 33	Page 33
Condenser Fan and Evaporator Blower Location Diagram	Page 35	Page 35	Page 35	Page 35	Page 35

GIBSON MODEL SPECIFICATIONS

Model	GAL123J1A1	GAL123J1A2			
Chassis Type	22" Top Control	22" Top Control			
Capacity Features BTU - Cooling BTU - Heating Moisture Removal EER	12000 - 3.8 9.5	12000 - 3.8 9.5			
Electrical Information Voltage Amps - Cooling Amps - Heating Watts - Cooling Watts - Heating Fuse/Breaker (Amps) Receptacle Code Wiring Diagram Page #	115 11.2 - 1265 - 15 A 309107703 42	115 11.2 - 1265 - 15 A 309107703 42			
Air Flow System Capacitor- μ farads Fan Motor Mfg. Fan Motor Number RPM/CMP (EVAP) High Medium Low Heat Only	10/370 Heshan 309630602 1075/260 990/240 900/210 -	10/370 GE PSC A513812 1075/260 990/240 900/210 -			
Refrigeration System Compressor Mfg. Compressor Number Compressor Type Overload Protector Capacitor- μ farads Refrigerant Charge Restrictor Tube Thermostat Type	Sanyo 806-934-42T Rotary A363705 40/370 26.5 A112122 Capillary	Sanyo 806-934-42T Rotary A363705 40/370 26.5 A112122 Capillary			
Installation Instructions Kit Type Part Number	A 309000904	A 309000904			
Control Thermostat Location Diagram	Page 33	Page 33			
Condenser Fan and Evaporator Blower Location Diagram	Page 36	Page 36			

GIBSON MODEL SPECIFICATIONS

Model	GAS154J1A1	GAS182J2A1	GAS182J2A2	GAS254J2A1	
Chassis Type	Heavy Duty Top Control	Heavy Duty Top Control	Heavy Duty Top Control	Heavy Duty Top Control	
Capacity Features					
BTU - Cooling	15000	18000/17800	18000/17800	25000/24700	
BTU - Heating	-	-	-	-	
Moisture Removal	3.6	5	5	8.5	
EER	10.5	8.8	8.8	8.7	
Electrical Information					
Voltage	115	230/208	230/208	230/208	
Amps - Cooling	12	9/10	9/10	12.5/13.8	
Amps - Heating	-	-	-	-	
Watts - Cooling	1430	2045/2020	2045/2020	2875/2840	
Watts - Heating	-	-	-	-	
Fuse/Breaker (Amps)	15	15	15	20	
Receptacle Code	A	C	C	D	
Wiring Diagram	309107703	309107703	309107703	309107703	
Page #	42	42	42	42	
Air Flow System					
Capacitor- μ farads	10/370	7.5/370	7.5/370	6/370	
Fan Motor Mfg.	GE PSC	GE PSC	GE PSC	GE PSC	
Fan Motor Number	A478922	A478921	A478921	A478921	
RPM/CMP (EVAP)					
High	980/485	1120/565	1120/565	1120/505	
Medium	910/450	1000/460	1000/460	1000/455	
Low	810/400	900/415	900/415	875/400	
Heat Only	-	-	-	-	
Refrigeration System					
Compressor Mfg.	Sanyo	Bristol	Goldstar	Bristol	
Compressor Number	806-078-42CW	H23B18SABC X	QJ264 KE23B	H29B28UABCX	
Compressor Type	Rotary	Reciprocating	Rotary	Reciprocating	
Overload Protector	A363705	Internal	A363771	Internal	
Capacitor- μ farads	40/370	30/370	25/370	35/370	
Refrigerant Charge	37.5	29.5	29.5	38.5	
Restrictor Tube	A112129	A112104	A112104	A112141	
Thermostat Type	Bulb	Bulb	Bulb	Bulb	
Installation Instructions					
Kit Type	A	A	A	A	
Part Number	309000902	309000902	309000902	309000902	
Control Thermostat Location Diagram	Page 34	Page 34	Page 34	Page 34	
Condenser Fan and Evaporator Blower Location Diagram	Page 36	Page 36	Page 36	Page 36	

WHITE WESTINGHOUSE MODEL SPECIFICATIONS

Model	WAC052J7A1	WAC052J7A2	WAC052J7A3	WAC053J7A1	WAC053J7A2
Chassis Type	Compact	Compact	Compact	Compact	Compact
Capacity Features					
BTU - Cooling	5050	5050	5050	5200	5200
BTU - Heating	-	-	-	-	-
Moisture Removal	1.05	1.05	1.05	1.35	1.35
EER	8	8	8	9	9
Electrical Information					
Voltage	115	115	115	115	115
Amps - Cooling	6.2	6.2	6.2	5.5	5.5
Amps - Heating	-	-	-	-	-
Watts - Cooling	632	632	632	575	575
Watts - Heating	-	-	-	-	-
Fuse/Breaker (Amps)	15	15	15	15	15
Receptacle Code	A	A	A	A	A
Wiring Diagram	309107301	309107301	309107301	309103901	309103901
Page #	41	41	41	39	39
Air Flow System					
Capacitor- μ farads	7.5/370	5/370	5/370	7.5/370	7.5/370
Fan Motor Mfg.	McMillian	GE PSC	GE PSC	McMillian	McMillian
Fan Motor Number	309615302	309642402	309642402	309615302	309615302
RPM/CMP (EVAP)					
High	1115/205	1115/205	1115/205	1120/175	1120/175
Medium	1035/190	1035/190	1035/190	1050/165	1050/165
Low	875/155	875/155	875/155	930/145	930/145
Heat Only	-	-	-	-	-
Refrigeration System					
Compressor Mfg.	Goldstar	Goldstar	Goldstar	Matsushita	Matsushita
Compressor Number	QA075CD11B	QA075CD11B	QA075CAA	2R7U126A-6A	2R7U126A-6A
Compressor Type	Rotary	Rotary	Rotary	Rotary	Rotary
Overload Protector	A363721	A363721	A363774	A363770	A363770
Capacitor- μ farads	25/370	25/370	35/370	35/370	35/370
Refrigerant Charge	9	9	9	11.5	11.5
Restrictor Tube	A112113	A112104	A112103	A112123	A112123
Thermostat Type	Capillary	Capillary	Capillary	Capillary	Capillary
Installation Instructions					
Kit Type	A	A	A	A	A
Part Number	309000902	309000902	309000902	309000902	309000902
Control Thermostat Location Diagram	Page 33	Page 33	Page 33	Page 33	Page 33
Condenser Fan and Evaporator Blower Location Diagram	Page 35	Page 35	Page 35	Page 35	Page 35

WHITE WESTINGHOUSE MODEL SPECIFICATIONS

Model	WAC053J7A3	WAC083J7A1	WAC083J7A2	WAC103J1A1	
Chassis Type	Compact	Compact	Compact	Compact	
Capacity Features					
BTU - Cooling	5200	8000	8000	9950	
BTU - Heating	-	-	-	-	
Moisture Removal	1.35	2.1	2.1	3	
EER	9	9.5	9.5	9	
Electrical Information					
Voltage	115	115	115	115	
Amps - Cooling	5.5	7.5	7.5	10.5	
Amps - Heating	-	-	-	-	
Watts - Cooling	575	845	845	1110	
Watts - Heating	-	-	-	-	
Fuse/Breaker (Amps)	15	15	15	15	
Receptacle Code	A	A	A	A	
Wiring Diagram	309103901	309103901	309103901	309103901	
Page #	39	39	39	39	
Air Flow System					
Capacitor- μ farads	5/370	10/370	10/370	10/370	
Fan Motor Mfg.	GE PSC	Raider PSC	GE Clamshell	Raider PSC	
Fan Motor Number	309642402	309627301	309631505	309627307	
RPM/CMP (EVAP)					
High	1120/175	1570/215	1570/215	1650/250	
Medium	1050/165	1400/190	1400/190	1500/225	
Low	930/145	1200/155	1200/155	1300/190	
Heat Only	-	-	-	-	
Refrigeration System					
Compressor Mfg.	Goldstar	Sanyo	Sanyo	Goldstar	
Compressor Number	QA075CD11B	806-551-42	806-551-42	QK147CN22A	
Compressor Type	Rotary	Rotary	Rotary	Rotary	
Overload Protector	A363721	A363719	A363719	A363761	
Capacitor- μ farads	25/370	35/370	35/370	40/370	
Refrigerant Charge	11.5	22.75	22.75	19.25	
Restrictor Tube	A112104	A112116	A112116	A112105	
Thermostat Type	Capillary	Capillary	Capillary	Capillary	
Installation Instructions					
Kit Type	A	A	A	A	
Part Number	309000902	309000902	309000902	309000902	
Control Thermostat Location Diagram	Page 33	Page 33	Page 33	Page 33	
Condenser Fan and Evaporator Blower Location Diagram	Page 35	Page 35	Page 35	Page 35	

WHITE WESTINGHOUSE MODEL SPECIFICATIONS

Model	WAL123J1A1	WAL123J1A2	WAS154J1A1	WAS182J2A1	
Chassis Type	22" Top Control	22" Top Control	Heavy Duty Top Control	Heavy Duty Top Control	
Capacity Features					
BTU - Cooling	12000	12000	15000	18000/17800	
BTU - Heating	-	-	-	-	
Moisture Removal	3.8	3.8	3.6	5	
EER	9.5	9.5	10.5	8.8	
Electrical Information					
Voltage	115	115	115	230/208	
Amps - Cooling	11.2	11.2	12	9/10	
Amps - Heating	-	-	-	-	
Watts - Cooling	1265	1265	1430	2045/2020	
Watts - Heating	-	-	-	-	
Fuse/Breaker (Amps)	15	15	15	15	
Receptacle Code	A	A	A	B	
Wiring Diagram	309107703	309107703	309107703	309107703	
Page #	42	42	42	42	
Air Flow System					
Capacitor- μ farads	10/370	10/370	10/370	7.5/370	
Fan Motor Mfg.	Heshan	GE PSC	GE PSC	GE PSC	
Fan Motor Number	309630602	A513812	A478922	A478921	
RPM/CMP (EVAP)					
High	1075/260	1075/260	980/485	1120/565	
Medium	990/240	990/240	910/450	1000/460	
Low	900/210	900/210	810/400	900/415	
Heat Only	-	-	-	-	
Refrigeration System					
Compressor Mfg.	Sanyo	Sanyo	Sanyo	Goldstar	
Compressor Number	806-934-42T	806-934-42T	806-078-42CW	QJ264KE23B	
Compressor Type	Rotary	Rotary	Rotary	Rotary	
Overload Protector	A363705	A363705	A363705	A363771	
Capacitor- μ farads	40/370	40/370	40/370	25/370	
Refrigerant Charge	26.5	26.5	37.5	29.5	
Restrictor Tube	A112122	A112122	A112129	A112104	
Thermostat Type	Capillary	Capillary	Bulb	Bulb	
Installation Instructions					
Kit Type	A	A	A	A	
Part Number	309000904	309000904	309000906	309000906	
Control Thermostat Location Diagram	Page 33	Page 33	Page 34	Page 34	
Condenser Fan and Evaporator Blower Location Diagram	Page 36	Page 36	Page 36	Page 36	

Compressor Overload Data

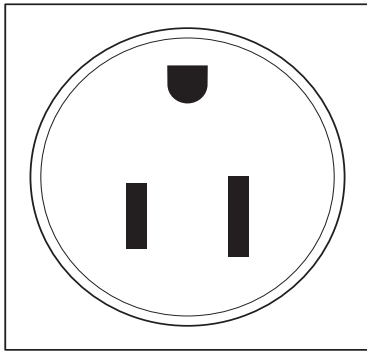
Part #	Used With Compressor	Supplier Part #	Opening Temp C° ± 5°C	Closing Temp C° ± 9°C	Short Time Trip	
					Test Amp	Opening Time-Sec
A363705	806-932-42	MRA-98693-386	165	69	47.5	2.0 - 12.0
A363716	806-899-42	MRA-98623-443	135	69	34.0	6.0 - 16.0
A363719	806-655-42	MRA-98869-443	145	69	32.5	2.0 - 12.0
A363721	2R7B3R126A	MRA-98703-694	140	78	20.0	6.5 - 16.0
A363724	2P17S3R126B	MRA-96695-386	140	75	38.0	2.0 - 12.0
A363727	2R12B3R126C	MRA-98706-694	160	80	25.5 *	6.5 - 16.0
A363728	2R10B3R126C	MRA-98866-694	150	74	23.5	6.5 - 16.0
A373754	RGA5472EXA	MRA-5731-694	125	61	25.0	6.5 - 16.0
A363755	2P14S3R236	MRA-99027-694	165	75	17.5	6.5 - 16.0
A363760	RGA5492EXA	MRA-7943-386	135	61	34.0	2.0 - 12.0
A363761	QK147CN12A	MRA-5760-386	160	80	32.0	6.5 - 16.0
A363762	RGA5480EXA	MRA-5753-694	145	69	27.0	6.5 - 16.0
A363763	RGA5512EXA	MRA-5752-386	145	61	40.0	2.0 - 12.0
A363770	2R7U126A-6B	MRA-99811-694	140	75	17.5	6.5 - 16.0
A363771	QJ264KE23B	MRA-12044-386	160	61	30.0	6.5 - 16.0
A363773	QB125K12A	MRA-12017-694	160	69	14.5	6.5 - 16.0
A363774	QA075CAA	MRA-12112-694	150	69	22.0	6.0 - 16.0
A363775	2P18S236-1A	MRA-99217-694	148	68	19.5	6.0 - 16.0
A363779	2R13S3R236A-CA	MRA-99821-694	150	69	14.7	6.0 - 16.0

* Terminal to overload must withstand 10 pounds pull test.

Restrictor Tube Data

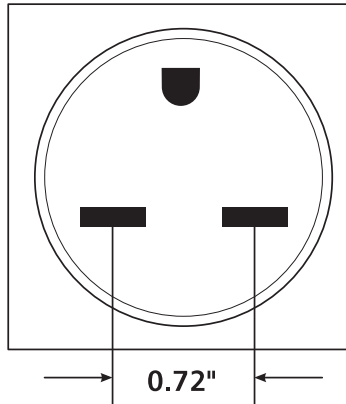
Style #	Internal Diameter Color Code	Length	O.D.	I.D.	PSIG	CFM Dry Air	
						Minimum	Maximum
A112102	White	35.00	.106	.054	20	.395	.419
A112103	Black	40.00	.099	.049	20	.275	.297
A112104	Black	45.00	.099	.049	20	.258	.280
A112105	Red	30.00	.112	.059	10	.318	.344
A112113	Purple	40.00	.097	.046	25	.277	.300
A112114	Red	35.00	.112	.059	10	.294	.318
A112115	Red	40.00	.112	.059	10	.274	.296
A112116	White	40.00	.106	.054	20	.366	.396
A112122	Black	30.00	.099	.049	20	.320	.346
A112123	Purple	35.00	.097	.046	25	.300	.326
A112124	White	45.00	.106	.054	20	.346	.374
A112129	Purple	45.00	.097	.046	25	.261	.283
A112134	White	55.00	.106	.054	20	.311	.337
A112137	Purple	50.00	.097	.046	25	.248	.268
A112139	Red	55.00	.112	.059	10	.231	.249
A112141	Blue	45.00	.125	.064	10	.313	.339
A112146	Blue	60.00	.125	.064	10	.275	.297
A112147	Black	50.00	.099	.049	20	.245	.265
A112148	Red	37.00	.112	.059	10	.286	.310

Receptacle Outlet Codes



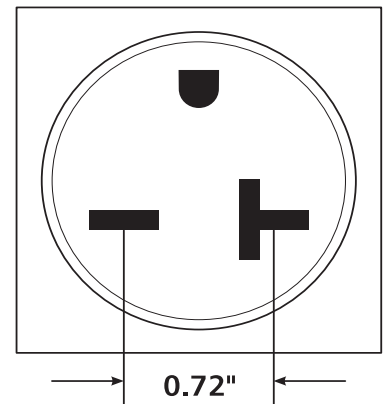
Code A

Standard 125 V, 3 wire grounding receptacle. Rated at 15A, 125 VAC



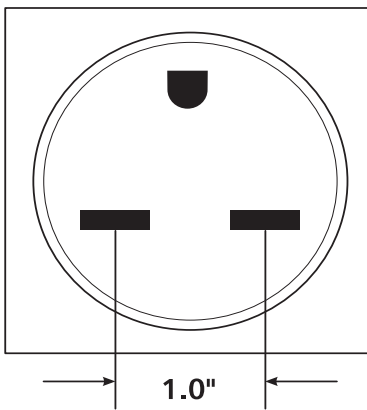
Code B

Two-Pole, 3 wire grounding receptacle. Rated at 15A, 250 VAC



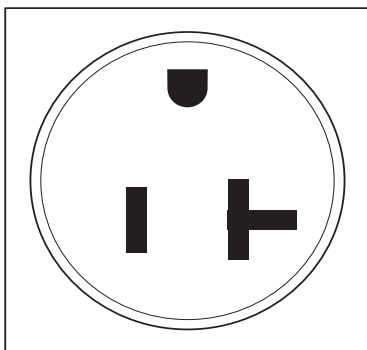
Code C

Two-Pole, 3 wire grounding receptacle. Rated at 20A, 250 VAC



Code D

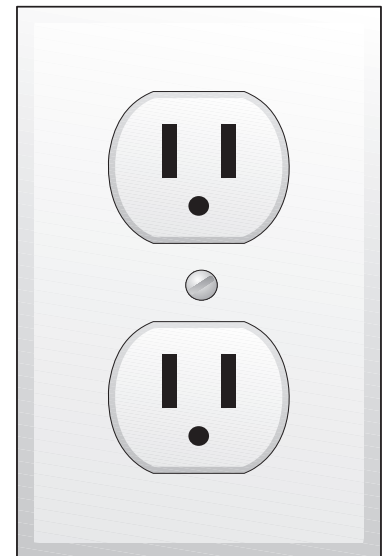
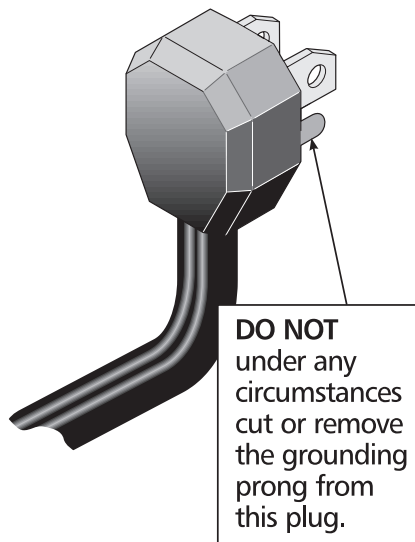
Two-Pole, 3 wire grounding receptacle. Rated at 30A, 250 VAC



Code E

Standard 125 V, 3 wire grounding receptacle. Rated at 20A, 125 VAC

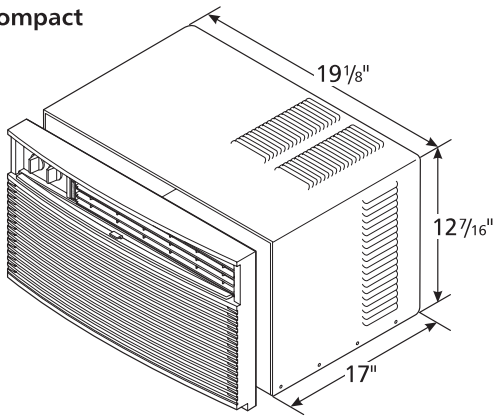
Power Supply Cord with 3-prong Grounding Plug



Grounding Type Wall Receptacle

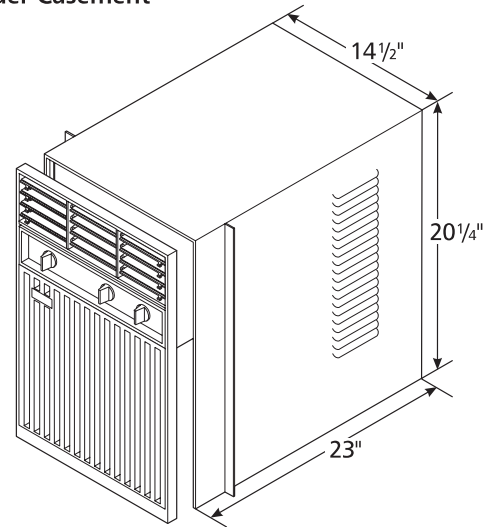
Product Dimensions

Compact



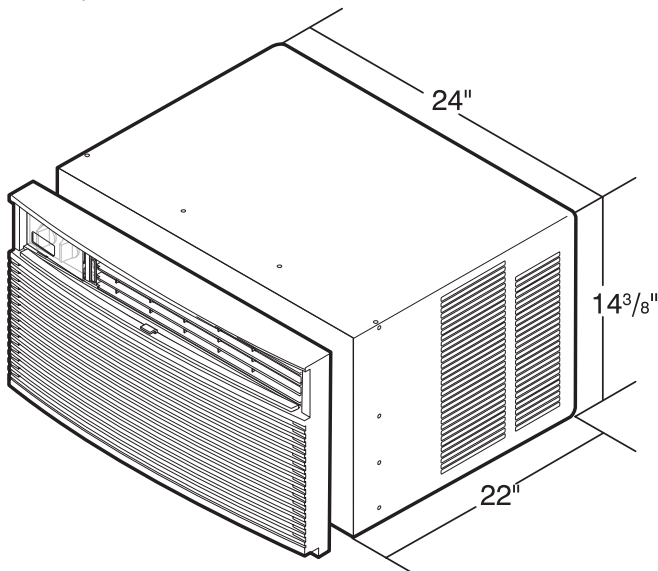
Maximum wall thickness 5 1/2"

Slider Casement

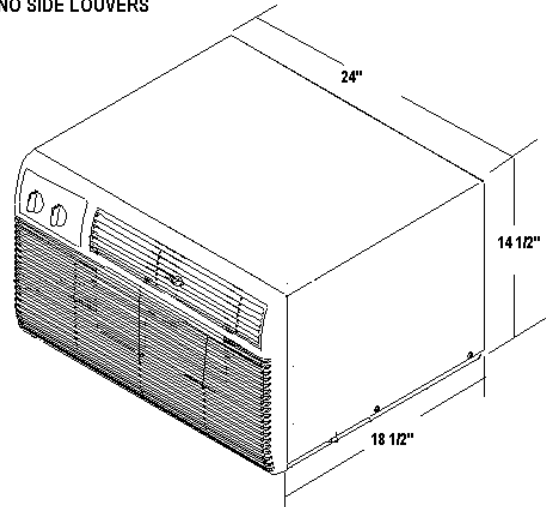


18.5" --NO SIDE LOUVERS

22" Top Control Intermediate



Maximum Wall Thickness 7"

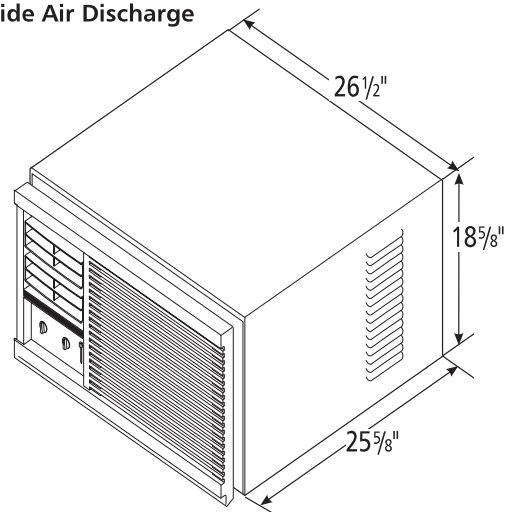


MAXIMUM WALL THICKNESS 18"

**Heavy Duty Slide Out
Top Control**

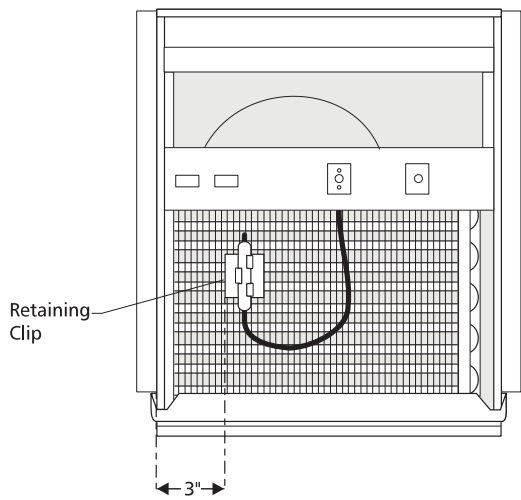
&

**Heavy Duty Slide Out
Side Air Discharge**

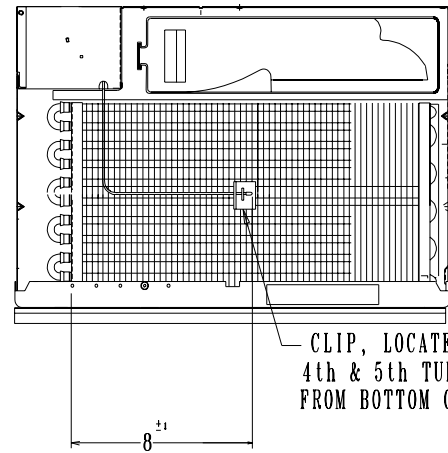
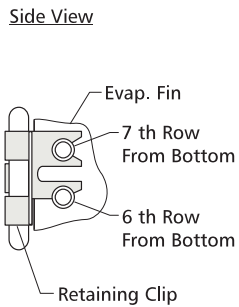


Maximum wall thickness 12 1/2"

Control Thermostat Location Diagrams

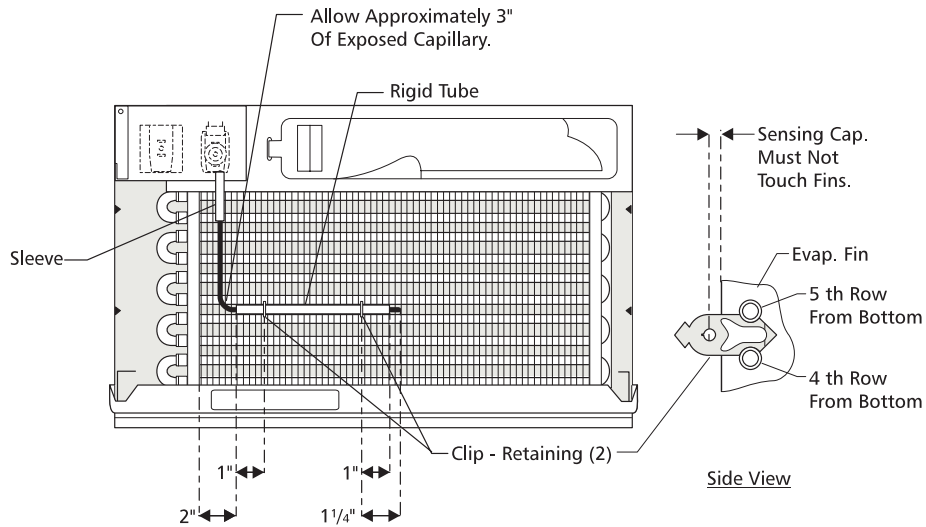


Slider Casement



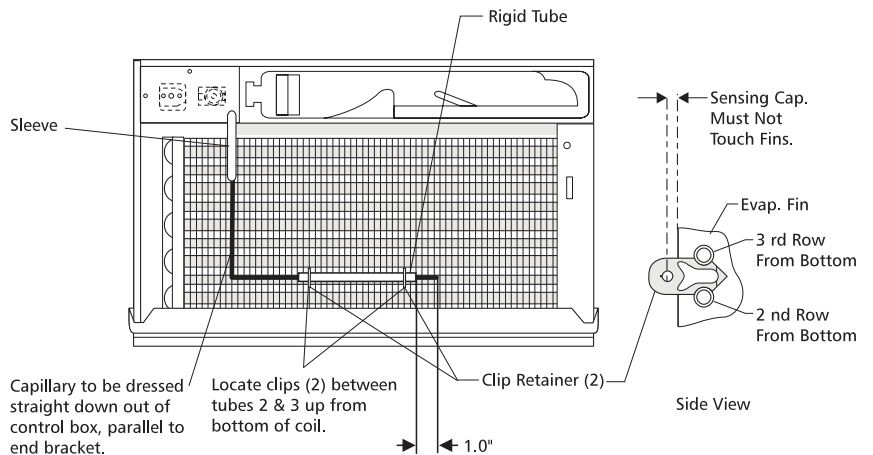
Compact Electronic Control

CLIP, LOCATE BETWEEN 4th & 5th TUBES UP FROM BOTTOM OF COIL.



Compact Rotary Control

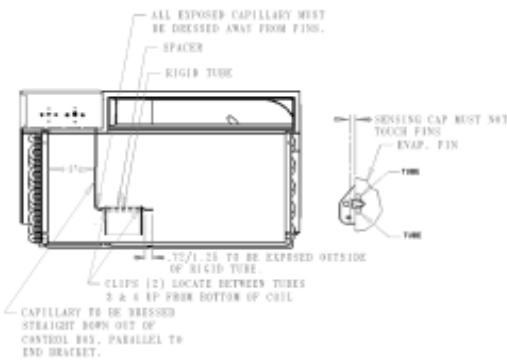
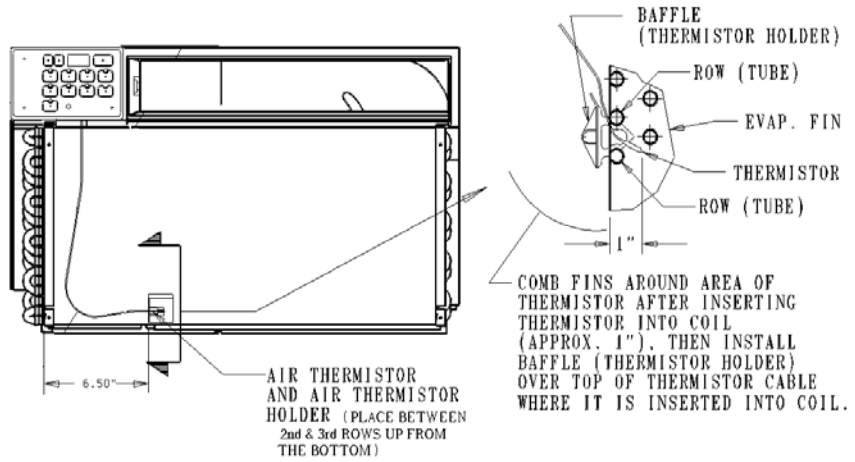
Intermediate Rotary Top Control



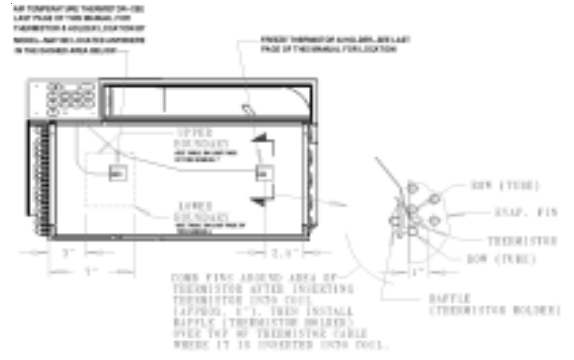
Capillary to be dressed straight down out of control box, parallel to end bracket.
Locate clips (2) between tubes 2 & 3 up from bottom of coil.

Control Thermostat Location Diagrams

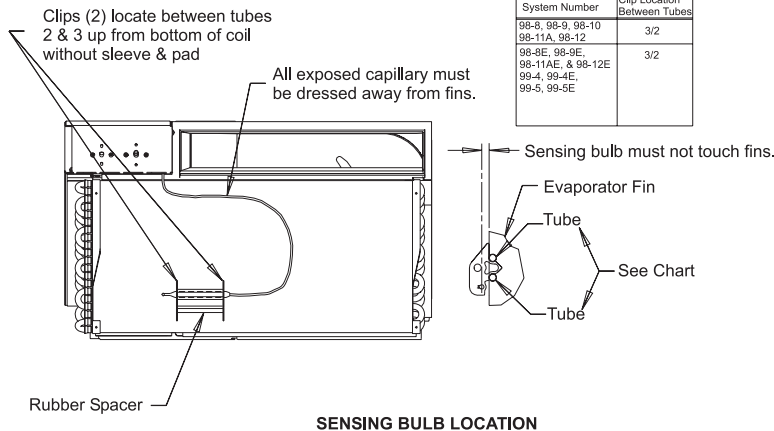
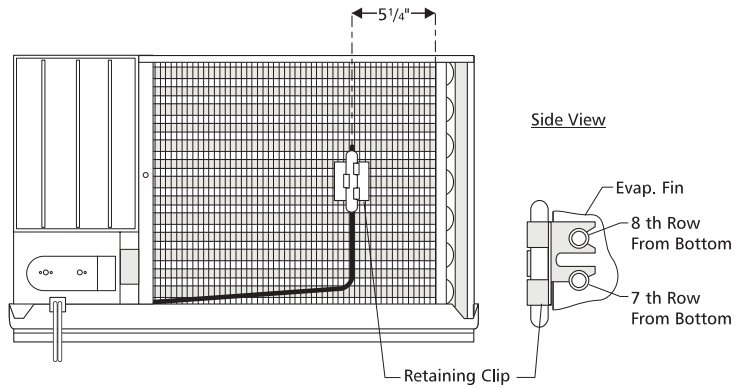
Intermediate Electronic Top Control



Heavy Duty Electronic → ← Rotary



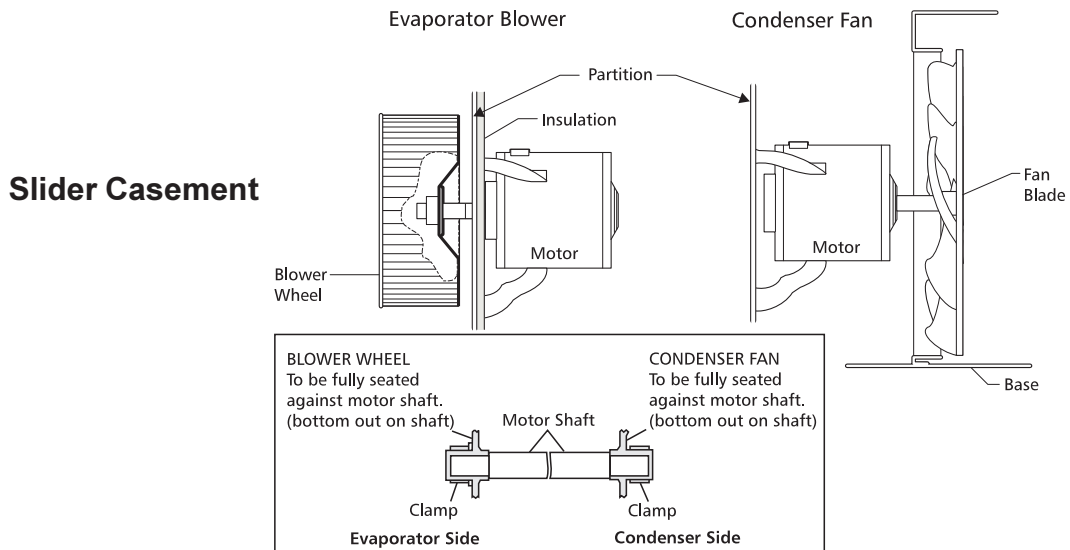
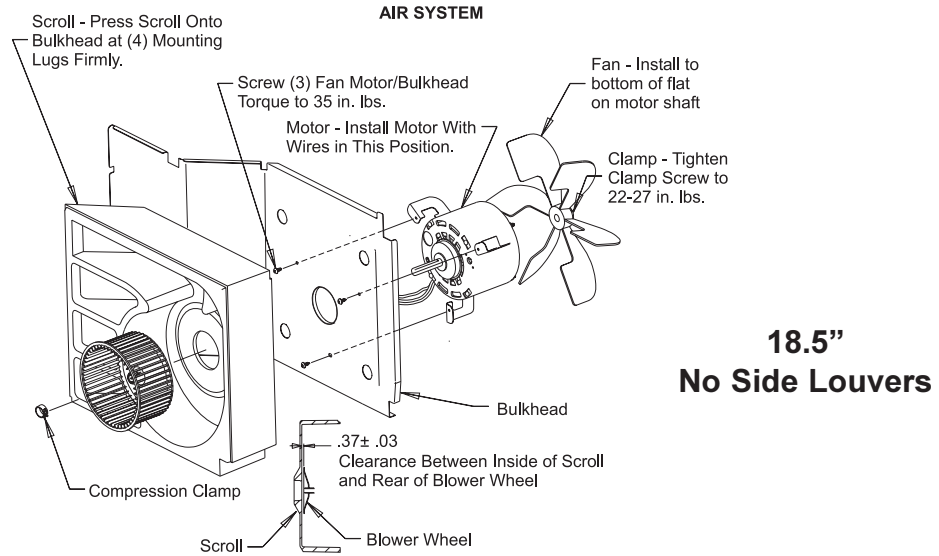
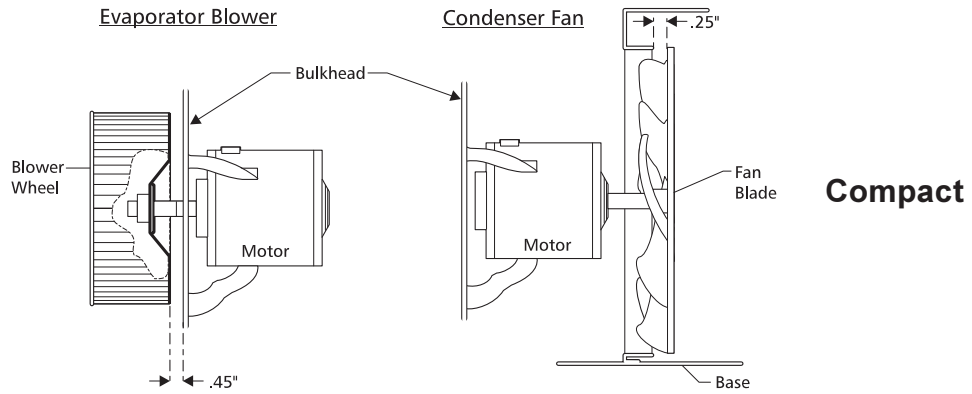
Heavy Duty Side Air Discharge



System Number	Clip Location Between Tubes
98-8, 98-9, 98-10 98-11A, 98-12	3/2
98-8E, 98-9E, 98-11AE, & 98-12E 99-4, 99-4E, 99-5, 99-5E	3/2

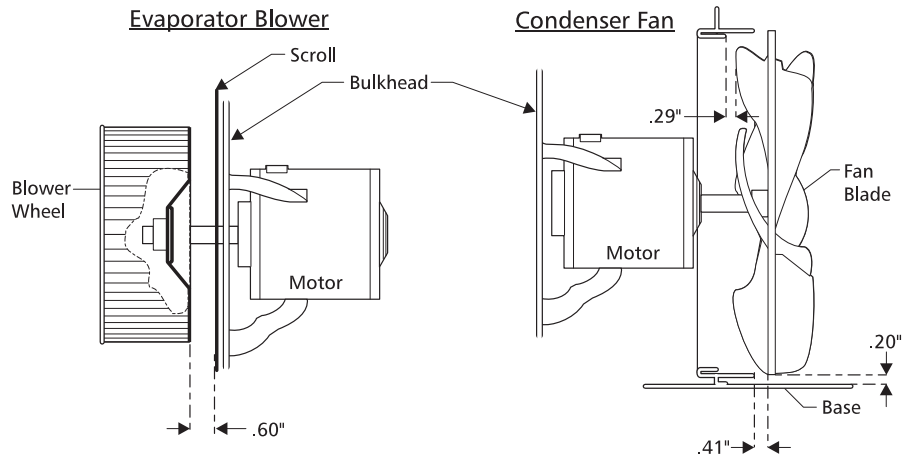
18.5" No Side Louvers

Fan and Blower Location Diagrams

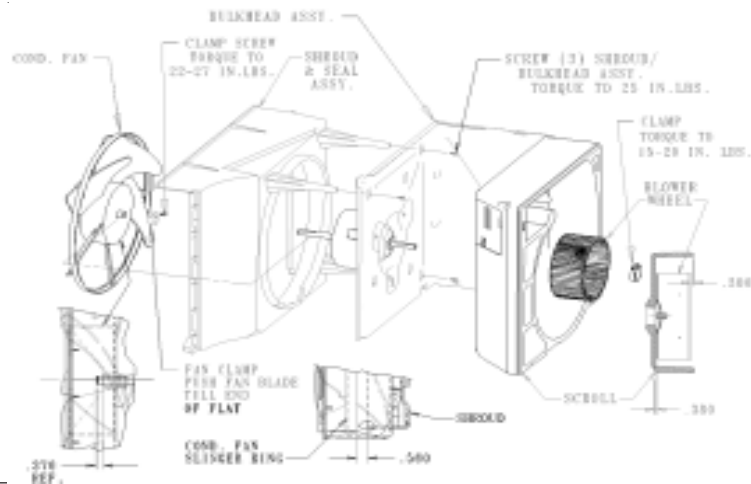


Fan and Blower Location Diagrams

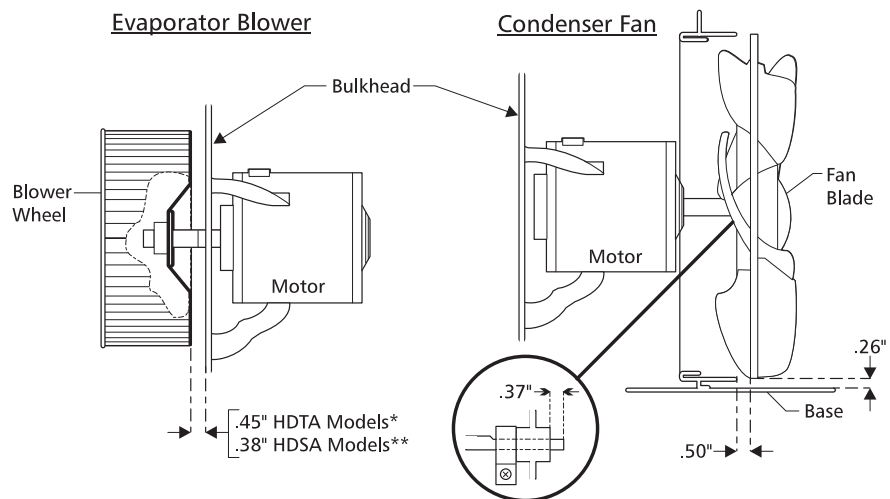
Top Control Intermediate



Heavy Duty Top Control

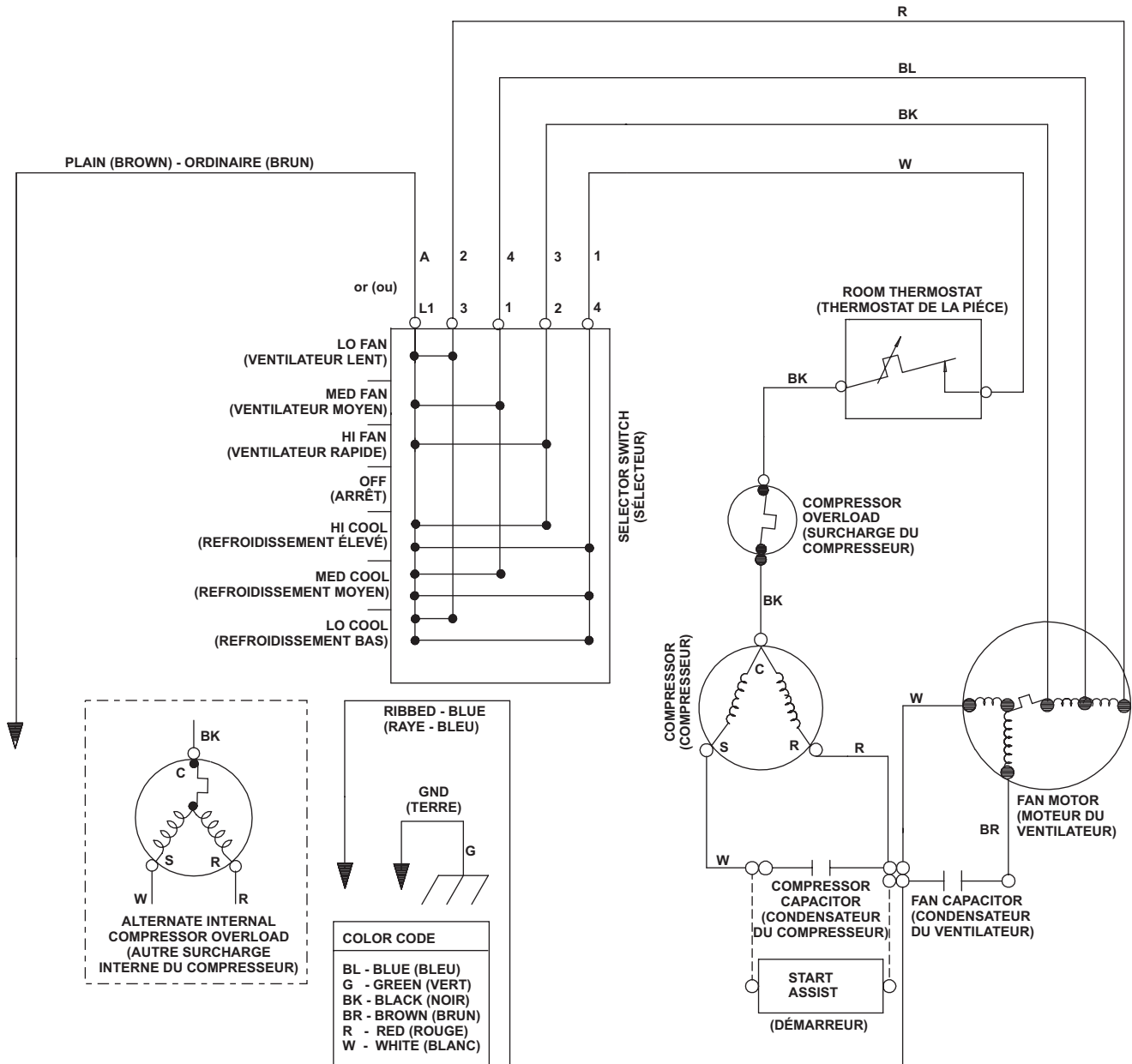


Heavy Duty Side Discharge



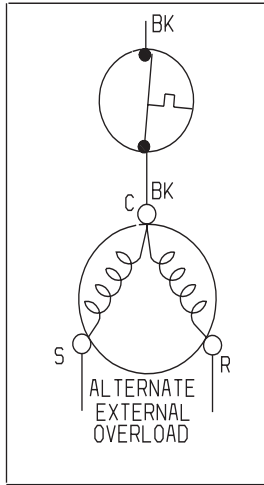
Wiring Diagrams

A232012

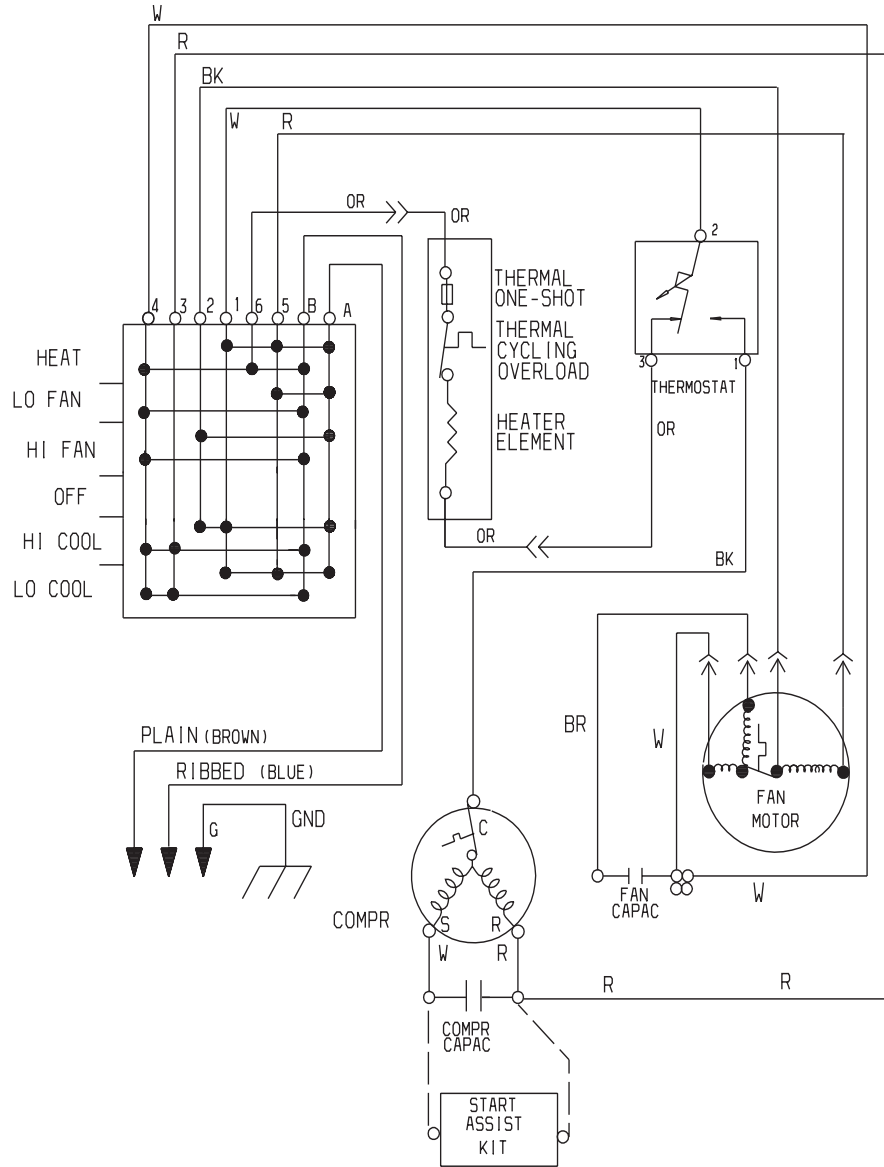


Wiring Diagrams

A232304



BK=BLACK
 BR=BROWN
 R=RED
 OR=ORANGE
 G=GREEN
 BL=BLUE
 W=WHITE



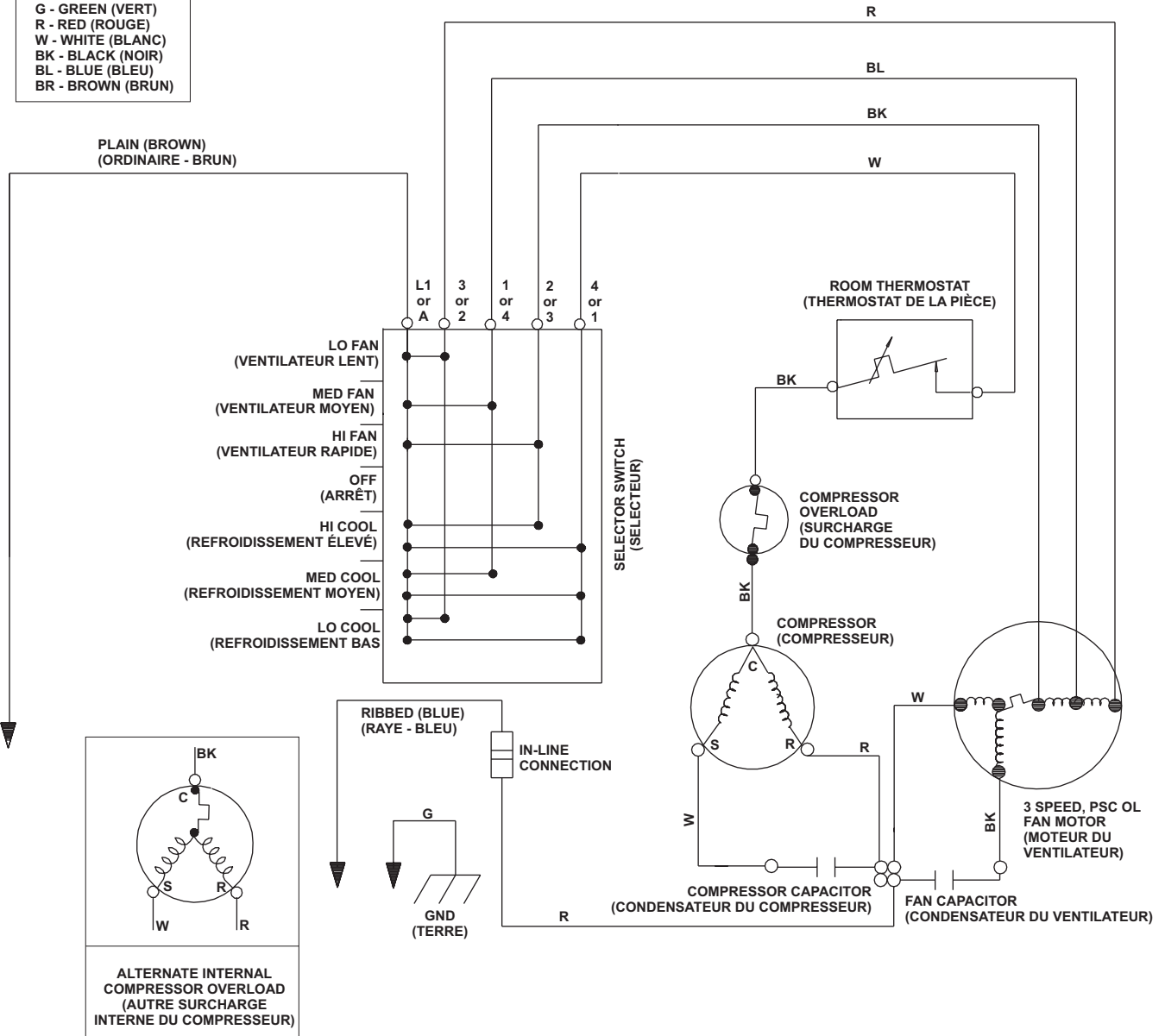
Wiring Diagrams

309103901

COLOR CODE

- G - GREEN (VERT)
- R - RED (ROUGE)
- W - WHITE (BLANC)
- BK - BLACK (NOIR)
- BL - BLUE (BLEU)
- BR - BROWN (BRUN)

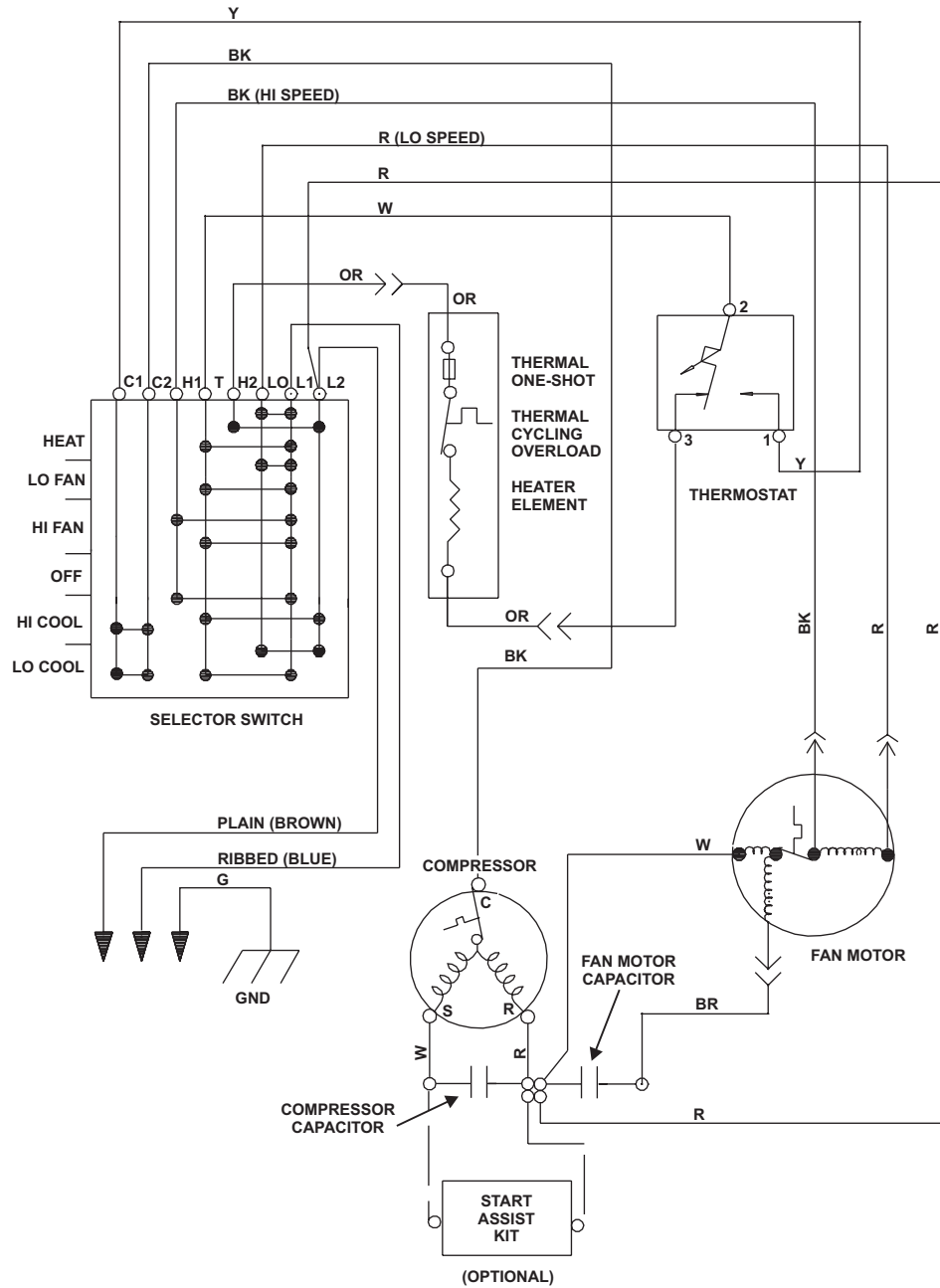
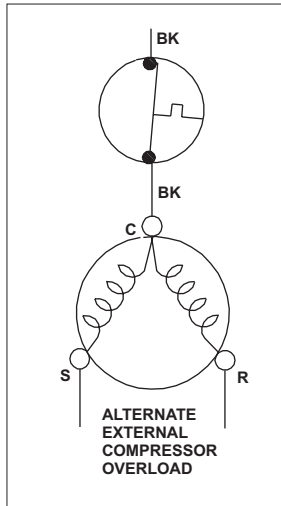
PLAIN (BROWN)
(ORDINAIRE - BRUN)



Wiring Diagrams

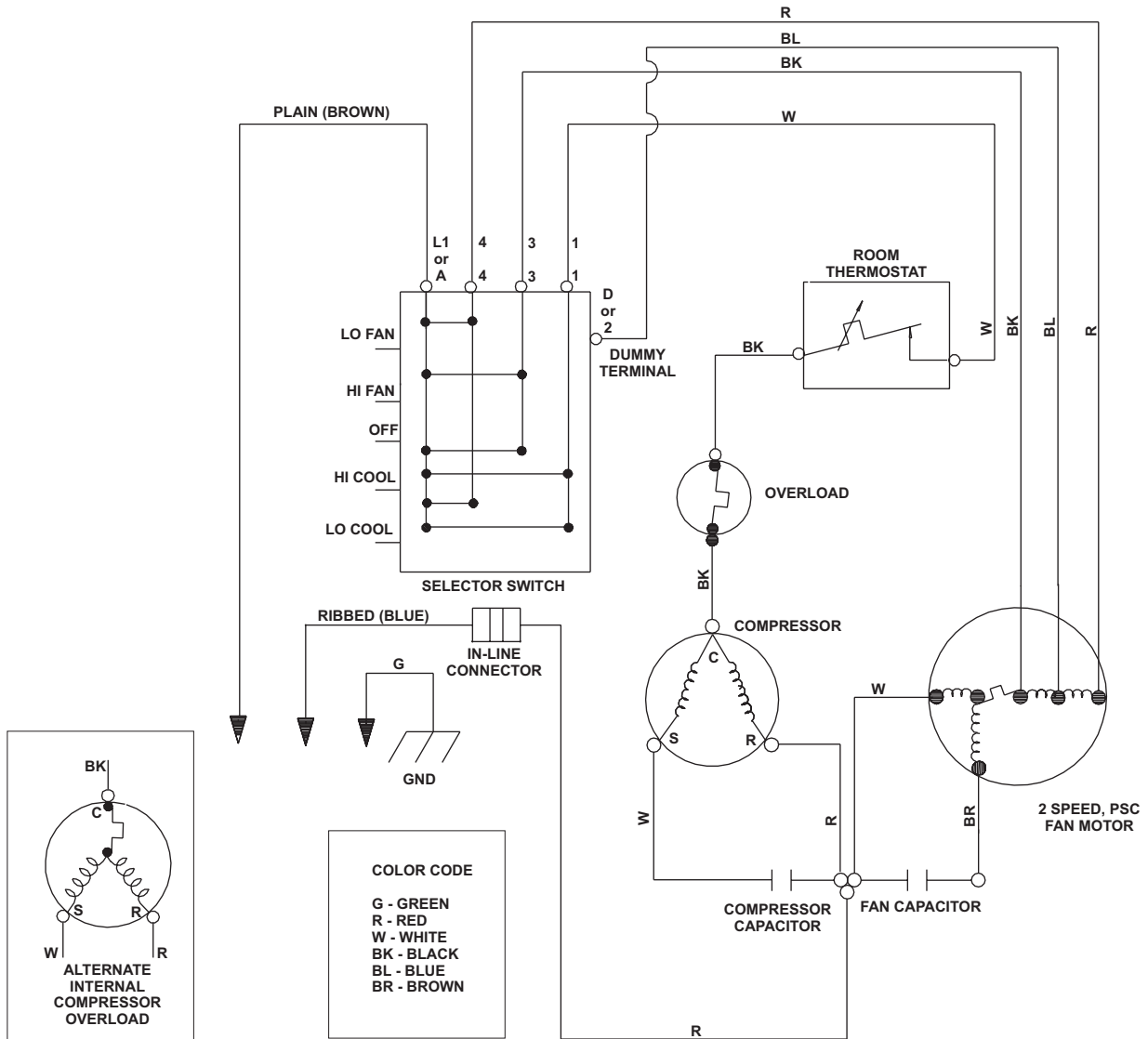
309104101

COLOR CODE	
G	- GREEN
R	- RED
W	- WHITE
Y	- YELLOW
BK	- BLACK
BR	- BROWN
OR	- ORANGE



Wiring Diagrams

309107301

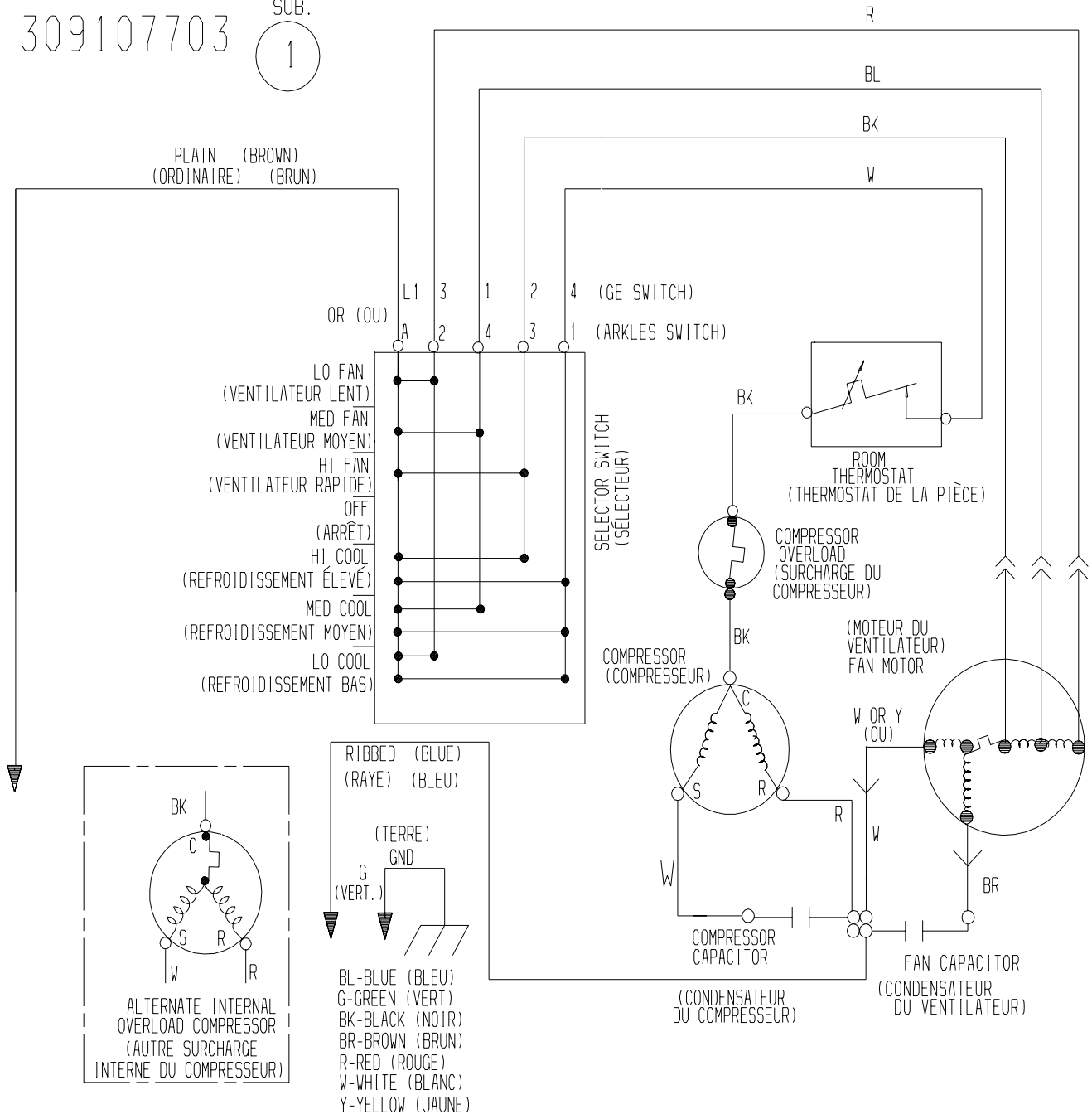


Wiring Diagrams

309107703

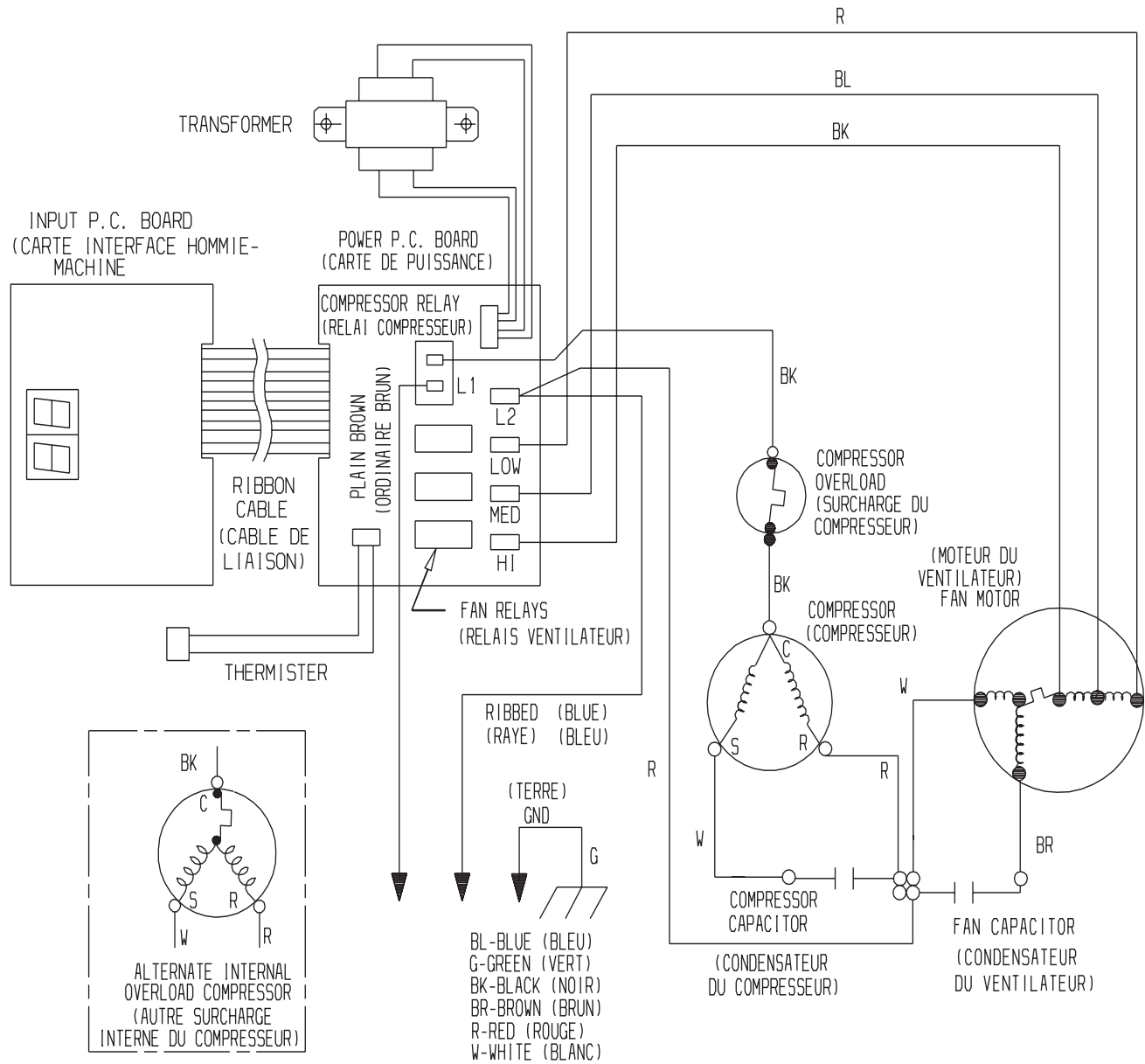
SUB.

1



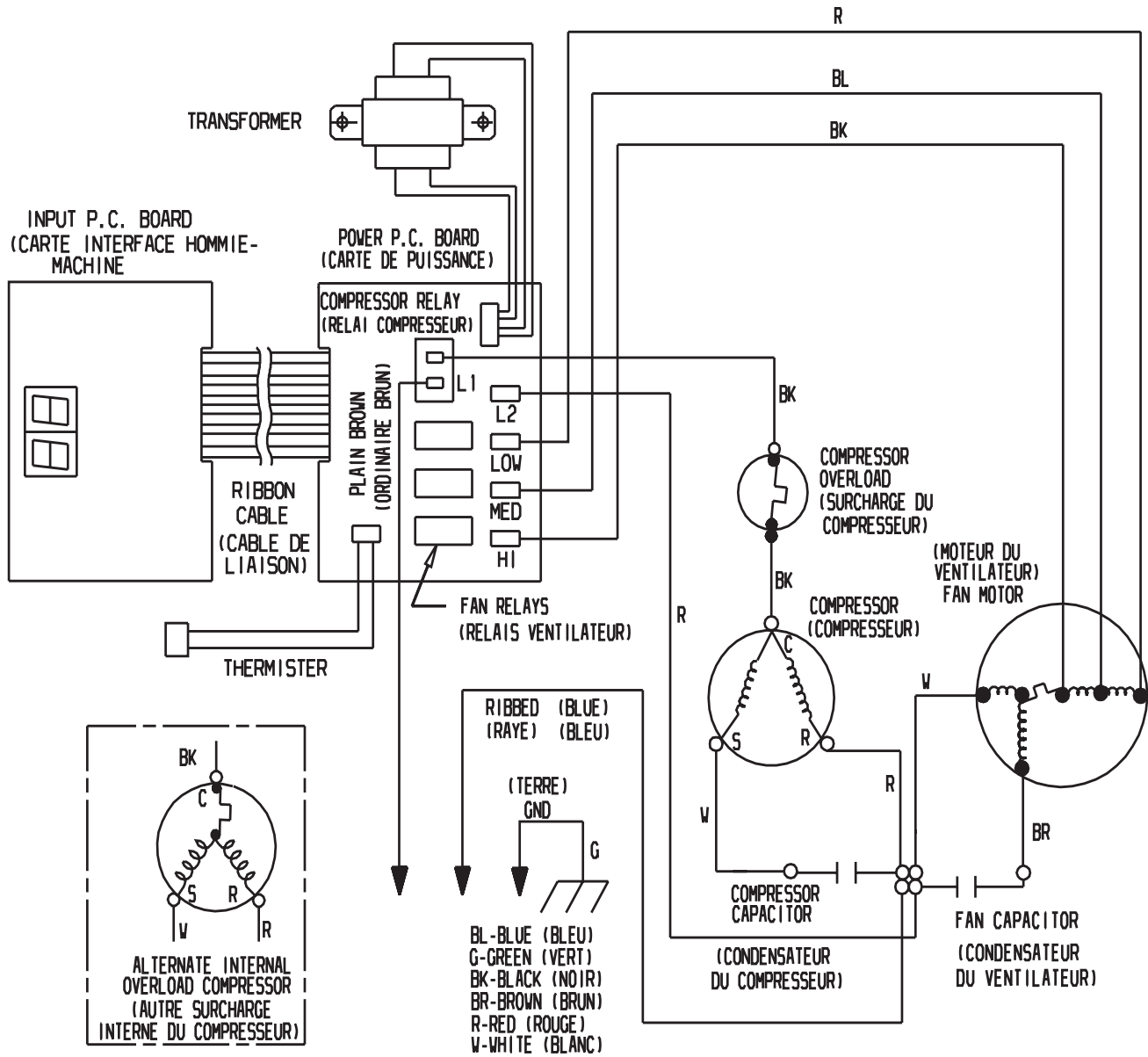
Wiring Diagrams

309341601



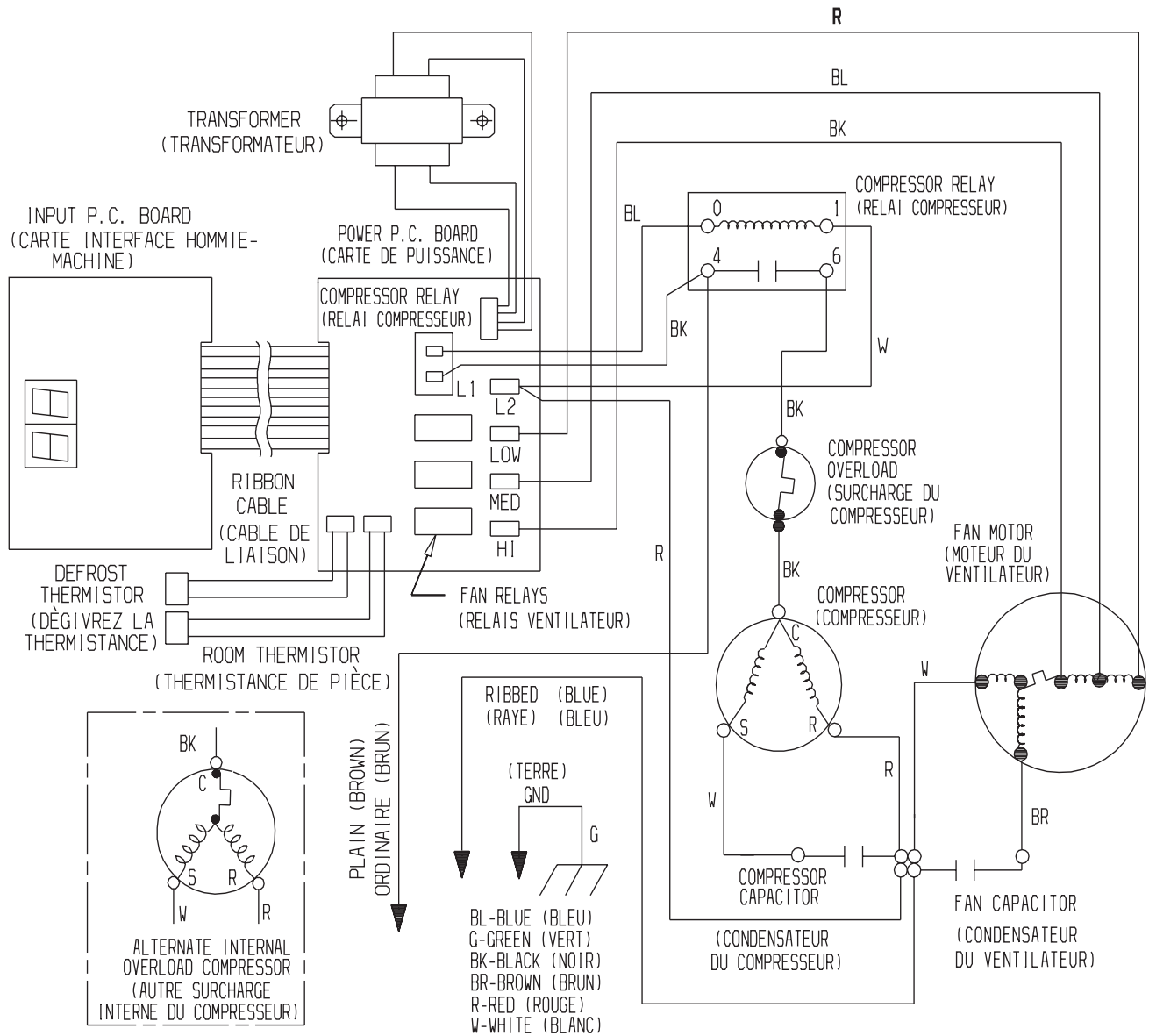
Wiring Diagrams

309343701



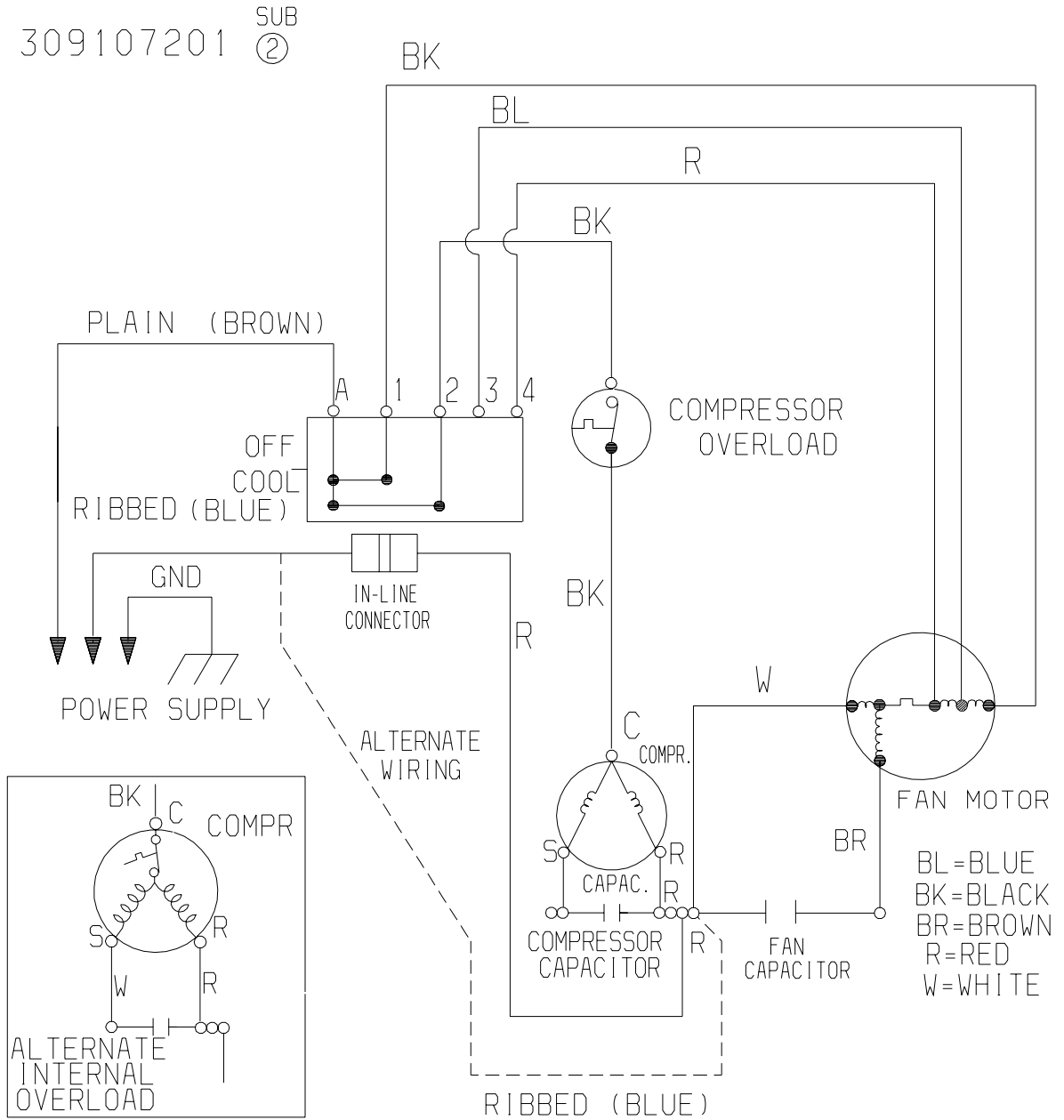
Wiring Diagrams

309343702



Wiring Diagrams

309107201 SUB
②



ROOM AIR CONDITIONERS TROUBLESHOOTING

CAUTION: Review Safe Servicing Practices in the front of this manual before attempting diagnostic procedures and repairs.

AIR CONDITIONER VOLTAGE LIMITS

NAMEPLATE RATING	MINIMUM	MAXIMUM
115 VAC	103.5 VAC	126.5 VAC
230 VAC	207 VAC	253 VAC
208/230	197.5 VAC	253 VAC

AIR CONDITIONER VOLTAGE LIMITS

Low voltage is a common cause of trouble in the operation of any room air conditioner.

Improper voltage may cause one or more of the following problems:

1. Unit will not start.
2. Compressor motor cycling on motor protector.
3. Premature failure of motor protector.
4. Blown fuses.
5. Premature failure of compressor or fan motor.
6. Noticeable dimming of lights when air conditioner is running.
7. Evaporator icing. Low voltage may reduce fan speed resulting in inadequate air flow over evaporator, thereby allowing it to ice up.

Low voltage can also be the direct result of inadequately wired circuits, extension cords, or loose fuses and connections to the power supply. Voltage may also be a general condition in the area (a responsibility of the power company).

All units will start and run on the minimum voltage stated in the chart to the left, and will perform satisfactorily if the voltage remains constant. Low voltage caused by defective wiring will not remain constant under load.

To test for low voltage, use a reliable meter with sufficient capacity to measure the required voltage. Take measurements at the electric power entry point and at the electric outlet serving the air conditioner. Take readings with the unit off, while the unit is starting, and again while the unit is running. The lowest reading should not drop below the lowest value listed in the chart.

HIGH VOLTAGE

High voltage can be equally troublesome, causing motors to overheat, cycle on their protectors, or break down electrically. This problem can only be solved by the power company.

ELECTRONIC CONTROL

This control is not repairable. If any component in the control is defective, the entire control must be replaced.

IMPORTANT NOTICE: Repair or replace any malfunctioning line voltage component before testing or replacing the electronic control. **DO NOT** assume a service problem is directly caused by the electronic control system. A line voltage component (including power cord and wiring) that has opened, shorted, grounded or otherwise malfunctioned, may have created a service problem.

SYMPTON

Fan motor will not run.

POSSIBLE CAUSE

1. No power.
2. Power supply cord.
3. Selector switch.
4. Energy saving switch (if applicable).
5. Electronic control (if applicable).
6. Wire disconnected or connection loose.
7. Capacitor. (Discharge capacitor before testing.)
8. Defective fan motor windings.
9. Will not rotate. Fan blade hitting shroud or blower wheel hitting scroll. (Motor cycles on overload.)

Fan motor runs intermittently.

1. Cycle on motor protector.

SYMPTON

POSSIBLE CAUSE

Fan motor noisy.

1. Condenser fan blade or evaporator blower wheel.
2. Loose power clamp or set screw.
3. Worn bearings.
4. Grommets (if applicable).

Compressor will not run, but fan motor runs.

1. Voltage.
2. Wiring.
3. Selector switch.
4. Temperature control.
5. Capacitor. (Discharge capacitor before testing.)
6. Compressor.
7. Motor protector (external).
8. Motor protector (internal).
9. Electronic control (if applicable).
10. Hard starting.

Compressor cycles on motor protector.

1. Voltage.
2. Motor protector (external).
3. Motor protector (internal).
4. Fan motor.
5. Condenser air flow restriction.
6. Condenser fins damaged.
7. Capacitor.
8. Wiring.
9. Refrigerant system.

Insufficient cooling.

1. Low capacity.
2. Air filter.
3. Exhaust door open.
4. Unit undersized.

Excessive noise.

1. Evaporator blower wheel.
2. Condenser wheel.
3. Copper tubing.
4. Compressor internal noise.
5. Fan motor.

Excessive water or condensation.

1. Unit operating under extremely high humidity conditions.

No cooling.

1. Refrigerant leak.

Unit is cooling but room is not cool.

1. Amps and watts.
2. Sealed refrigeration system.

Wattage decreases slowly until abnormally low.

1. Undercharged, restricted strainer or plugged restrictor tube.

Wattage decreases immediately.

1. No refrigerant.
2. Compressor defective.

Wattage continuously high.

1. Refrigerant overcharge.

SYMPTON

POSSIBLE CAUSE

Evaporator coil partially frosted.

1. System low on refrigerant.

Evaporator completely iced.

1. Low outside temperature.

No heat.

1. No power.
2. Selector switch position.
3. Temperature control position.
4. Fan motor.
5. Heating element.
6. Selector switch.
7. Temperature control.
8. Terminals and connectors.

Fan motor will not rotate during heat cycle.
(Heat/Cool models only.)

1. Thermostatic drain valve. (Water level control, if applicable.)