

EMERSON QUIET KOOL

ROOF-MOUNT  
AIR CONDITIONER  
USE & CARE GUIDE



# INDEX

# REFERENCE NUMBERS

Congratulations on choosing an Emerson Quiet Kool Roof-Mount Air Conditioner. It has been carefully engineered, manufactured and tested to give you many years of comfort and dependable operation.

THIS IMPORTANT BOOKLET tells you all you need to know about using and caring for your new Roof-Mount Air Conditioner. Keep it handy. It will answer your questions, save you the time and expense of unnecessary service calls, and insure that, as the owner of this superb appliance, you receive maximum comfort and enjoyment for many years.

WRITE YOUR AIR CONDITIONER'S MODEL AND SERIAL NUMBERS BELOW: COPY THEM FROM YOUR REGISTRATION CARD.

MODEL NUMBER \_\_\_\_\_ SERIAL NUMBER \_\_\_\_\_

WHERE PURCHASED \_\_\_\_\_

DATE PURCHASED \_\_\_\_\_

IMPORTANT: Tear off and mail in the registration card on the back of this guide. This will enable us to contact you if any safety notifications become necessary.  
Be sure to affix proper postage.  
Keep your sales slip as proof of purchase.

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# SPECIFICATIONS AND CARE

	EQK 700	EQK 1100	EQK 1350
Compressor	Rotary	Rotary	Rotary
Compressor Capacity (BTU/Hr)	7,100	11,000	13,500
Locked Rotor AMPS	40.0	59.0	69.5
Full Load AMPS (Cooling)	8.4	12.5	14.0
Electric Heat	Optional	Optional	Optional
Heating Capacity (BTU/Hr)	5,600	5,600	5,600
Full Load AMPS (Heating)	16.0	16.0	16.0
Volts — AC	115	115	115
Min. Circuit Ampacity (Cooling only)	10.5	13.9	16.9
Min. Circuit Ampacity (With Heater)	20.0	20.0	20.0
Min. Wire Size — AWG	12	12	12
Use A Time Delay Fuse or HACR Type Circuit Breaker	20 AMP	20 AMP	20 AMP

## FILTER:

A clean filter assures maximum cooling and peak filtering action. It should be inspected and cleaned every two weeks during the season when the unit is in use. For access to the filter. Turn off air conditioner, remove control panel from air box housing by loosening the two thumb screws and lift off filter.

Clean filter by rinsing in warm water. Dry filter before replacing. To replace filter, press filter firmly against filter retainer, then fasten control panel on air box housing.

CAUTION: Never operate your air conditioner with the filter removed.

## AIR BOX HOUSING:

Clean air box housing and control panel with a soft cloth dampened with a mild detergent. Never use furniture polish or scouring powders.

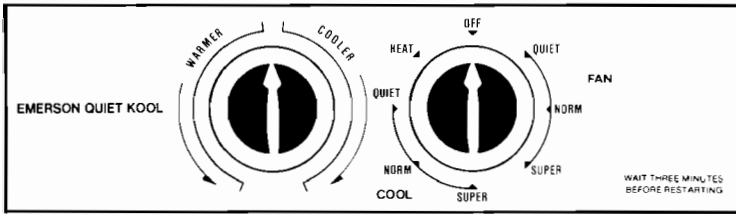
## FAN MOTOR:

The fan motor is factory lubricated and under normal use requires no service.

## CONDENSER AND EVAPORATOR COIL:

Every two years (more often in dusty conditions) both condenser and evaporator coils should be cleaned professionally.

# OPERATION



THERMOSTAT      SELECTOR

FAN	{	QUIET..... Low speed fan only
		NORM..... Medium speed fan only
		SUPER..... High speed fan only
COOL	{	SUPER..... High speed fan with cooling
		NORM..... Medium speed fan with cooling
		QUIET..... Low speed fan with cooling
		HEAT..... Heating (If Heater Accessory Kit is installed.)

## TO CIRCULATE AND FILTER AIR:

- Set selector switch to one of the fan settings.

## TO DIRECT AIR FLOW:

- Adjust louvers on air box for direction of air desired. Louvers can be closed on one side of the air box to direct the desired air distribution with higher volume on the opposite side. However, this setting will reduce maximum air flow.

## TO COOL:

- Close all windows and doors.
- Turn thermostat to its coolest setting.
- Set selector switch to NORM COOL position. (On extremely hot days, when maximum cooling is required, set selector switch to SUPER COOL.)
- If area becomes too cool, turn the thermostat slightly counter clockwise; if too warm, re-set in clockwise direction. Within a short time, you will learn the exact thermostat setting that gives you the temperature you prefer.
- To reduce the rate of cool air delivered to the area, or for evening use set the selector switch to QUIET COOL position.

## TO TURN UNIT OFF:

- Set selector switch to OFF position.

## IMPORTANT:

- If you turn the air conditioner off, wait three minutes before restarting the air conditioner. This will prevent blowing a fuse or tripping a circuit breaker.

## TO HEAT: (Providing Accessory Heater Kit has been installed.)

- Set selector switch to HEAT position.

NOTE: This heater is not a substitution for a primary heating system. The unit is designed as supplementary heat to warm the air during moderately cool days/nights.

## READ CAREFULLY BEFORE CALLING FOR SERVICE

In case of lower operating efficiency or failure to operate, check these points first before calling or taking your air conditioner to an Authorized Emerson Quiet Kool RV service location.

## UNIT FAILS TO START (FAN OR COMPRESSOR)

1. Make sure circuit breaker for air conditioner is reset to "On".
2. Do other 115 volt AC appliances work? If not, check connections at campground's power source or your motor generator, depending on power source being used.
3. If circuit breaker continues to trip "Off", this could be an indication of inadequate supply voltage (power). Make sure circuit breaker is rated 20 amps and is of the HACR (heating, air conditioning, refrigerator) type.

## NO COLD AIR BEING DISCHARGED

1. Turn thermostat to maximum cooling (full clockwise) position. If RV is warmer than 68° F., compressor should start with resultant cold air being discharged. If RV is cooler than 68° F., thermostat will not turn the compressor (cooling) on until RV warms up to over 68° F.
2. If compressor tries to run but hums and then cycles on and off on its overload protector, this is usually caused by low voltage supply (power) either from the campground or your internal motor generator, if used. (See No. 3 above.)

## NOT ENOUGH COOLING

1. Turn thermostat clockwise to a cooler position.
2. Set selector switch to "Super Cool".
3. Clean filter.
4. Make sure all windows, doors and vents are closed.
5. It would be very beneficial for RV to be shaded from mid-day sun, and if awnings were used to shade large windows exposed to the sun.
6. Keep air conditioner running continuously during the day to avoid build up of heat in walls and furniture.
7. On hot and humid days, keep showering, cooking and the use of washers and dryers to a minimum.
8. Open all louvers for maximum air flow.

## VERY LITTLE VOLUME OF COLD AIR BEING DISCHARGED

This is usually due to the formation of ice on the evaporator (cooling) coil which blocks the flow of cooled air into the RV. This can be caused when the air conditioner's thermostat is near or at maximum cold (clockwise) and the selector switch at "Quiet Cool" for overnight use. When the outside temperature goes below 70° F. and the air conditioner is allowed to operate continuously, ice could develop and once it forms, it restricts air flow into the RV even

## SERVICE HINTS (Continued)

after the outside temperature warms up over 70° F. To correct, it's first necessary to melt any ice as follows:

1. Make sure all four air discharge louvers are in "Open" position.
2. Run air conditioner on "Super Fan" (no cooling) until volume of air discharge returns to normal, which signifies ice has melted.
3. Readjust thermostat to warmer setting (about mid dial) during overnight use when outside temperature goes below 70°.
4. Adjust selector switch to "Norm Cool" position.

If ice build up continues, it's probably too cold outside and it would be best to shut off the air conditioner and open the windows.

## SOUNDS

It is reassuring to know that your air conditioner is functioning properly. These are some NORMAL sounds that may be heard, but should not be a cause for concern.

- Air flowing over cooling fins.
- Hissing or thumping. Refrigerant is flowing throughout the sealed system and may generate a boiling sound right after the compressor stops.
- Water dripping from coils onto the drain pan.
- The thermostat control, compressor and fan "tick" as they turn on and off. Metal makes a similar sound when expanding or contracting.

## WARRANTY

### LIMITED (ONE-YEAR) PARTS AND LABOR WARRANTY

During the first year after date of original purchase, Emerson Quiet Kool Corporation will, through its authorized service stations, and free of charge to the original purchaser, repair or replace any parts which are defective in material or workmanship due to normal use. Delivery to the service station and ready access to the air conditioner for service is the responsibility of the owner.

### LIMITED (FIVE-YEAR) COMPRESSOR PART WARRANTY

In addition to the limited (one-year) parts and labor warranty described above, Emerson Quiet Kool Corporation will, through its authorized service stations or parts distributors, exchange compressor during the second through fifth years from the date of original purchase — providing such part is defective in material or workmanship. Transportation, compressor freight or labor costs to diagnose, repair or replace the compressor are not covered by this limited parts warranty and are the owner's responsibility.

NOTE: In the event of any required parts replacement within the period of these warranties, Emerson Quiet Kool Corporation replacement parts will be used and will be covered under warranty only for the period remaining under the original warranty.

## EXCEPTIONS

In no event shall Emerson Quiet Kool Corporation be liable for incidental or consequential damages or for damages resulting from external causes such as failure to provide reasonable maintenance, abuse, misuse, corrosive atmosphere, incorrect voltage or Acts of God. Any implied warranty shall be no longer than the duration of our express warranty. Service which does not involve defective workmanship or materials will be the responsibility of the owner. This warranty shall not apply if the air conditioner is used for maritime activities or for other than recreational purposes. Some states do not allow the exclusion or limitation of implied warranty or incidental and consequential damages; so the above exclusion or limitation may not apply in such instances. This warranty applies only to products sold at retail within the United States or Canada.

## HOW TO OBTAIN WARRANTY SERVICE OR PARTS

NOTE: Before calling for service, check section of this booklet titled, "Service Hints." Then if you need service:

1. Call an Emerson Quiet Kool authorized repair center and advise them of model number, serial number, date of purchase and nature of complaint. Service will be provided at the repair center location during normal working hours.

2. If you require further assistance or, before repair service is performed by a non-authorized repair center, telephone or write to an Emerson Quiet Kool Corporation Regional Service Office. This information is indicated on the enclosed listing of our authorized repair centers.

3. If you still need assistance, you may write or telephone Emerson Quiet Kool Corporation, RV Products Group, 25416 CR6 East #114, Elkhart, IN 46514-5422, 219-262-1787.

## PROOF OF PURCHASE DATE

It is the responsibility of the consumer to establish the original purchase date for warranty purposes. We recommend that a bill of sale, cancelled check or some other appropriate payment record be kept for that purpose. Please fill out the ownership registration card and return it to the factory, as this can also establish proof of purchase date.

NOTE: This warranty gives you specific legal rights, and you may also have other rights which may vary from state to state.

EMERSON QUIET KOOL CORPORATION

R. V. Products Group

25416 CR6 East #114

Elkhart, Indiana 46514-5422

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