

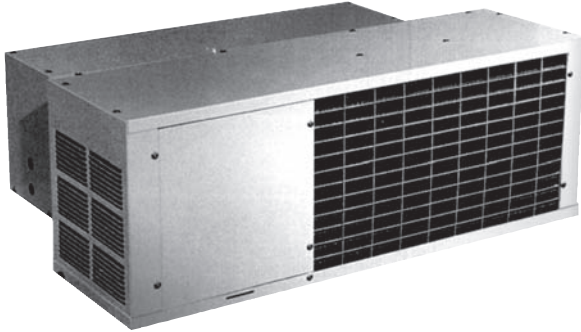
RETROAIRE

The Right Fit for Comfort

RC/RH70 PACKAGED TERMINAL AIR CONDITIONER/HEAT PUMP

P/N 240003236 Rev. 1.1 [01/05]

**Replacement for:
Emerson & Sears Model 8T
Over the Door or High Wall Unit**



STRAIGHT COOL/HEAT PUMP

Nominal Capacities: 9,000 & 12,000 Btuh

PRODUCT DESCRIPTION

The RetroAire RC/RH70 replacement chassis is a conditioner designed to allow owners of Emerson and Sears Model 8T Over-the-Door or High Wall units to upgrade the performance of their room conditioning and achieve current efficiency standards.

This unit is available as a cooling only model or for those who wish to upgrade to a heat pump, the RH70 will fit the existing wall opening. The heat pump version will reduce energy costs during periods of outdoor temperature ranging down to as low as 35°.

With Energy Efficiency ratings as high as 9.0, the replacement of worn out and inefficient units becomes a very attractive option. The RC/RH70 are sold with a wall mounted thermostat, mounting brackets and electric heat included, eliminating the need for optional equipment.

Whisper quiet operation improves the room ambiance and a washable permanent filter makes service a snap. The 60 gauge, Galvaneal steel construction of the cabinet and baked enamel paint finish ensures long service life.

All RetroAire products are backed by EMI and ECR International and are tested and rated in accordance with ARI Standards 310 & 380 and UL 484. A full service parts inventory is always available.

High Lighted Benefit:

- Quiet, Low Speed Evaporator Blower
- Even, Quiet Air Flow
- Positive Condensate Re-Evaporation
- Corrosion Inhibiting Condenser Pan Coating

▲▼ Capacities:

The RC/RH70 Replacement Chassis are available in nominal capacities of 9,000 & 12,000 Btuh.

▲▼ Air Systems:

- Fan is forward curved type, directly mounted to the motor shaft.
- Motors are PSC type with overheat protection.
- Air stream surfaces are insulated with 1/4" fiberglass or 1/8" Volara™.
- Filter is permanent, washable mesh.

▲▼ High Efficiency Heat Exchanger:

Coil is seamless, copper tubing, arranged in staggered configuration, with enhanced aluminum fins, tested to 460 psig. The tubes are mechanically expanded for secure bonding to fin shoulders.

▲▼ Refrigeration Circuit:

- High Efficiency, rotary compressor with a five-year warranty.
- Low maintenance capillary expansion tube. Heat pumps equipped with refrigerant check valve.

▲▼ Heat Pumps:

- Heat Pump heating operates as low as 35° outdoor temperature.
- Heat Pumps include adjustable change-over temperature point and emergency heat position.

▲▼ Options:

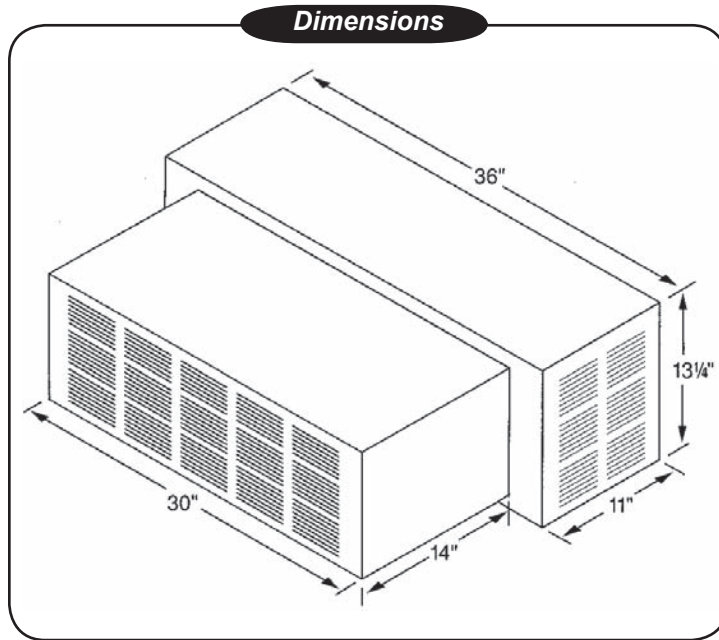
- The RC/RH 70 units are complete as delivered and require no optional equipment. Electric heat option can be either 2KW or 3KW.

RC70 Performance Data*					
Unit Size	Cooling		Heat Pump Btuh	COP	Evaporator CFM Hi
	Btuh	EER's			
09	8,600	8.6	24,880	9.5'	270
12	11,500	9.0	15,750	10'	270

* Due to the ongoing product development and use of alternate components (compressors, motors, etc.) to meet production requirements, performance data is subject to change without notice. Consult factory for most current performance data.

RC70 SPECIFICATIONS AND DIMENSIONS

IMPORTANT: Due to RetroAire's on going development programs, designs and specifications may change without notice.
Please consult factory for the latest information and submittal data before making any job site updates.



RC70 Electrical Specifications												
Model Number	Voltage/Hz/Phase	Evap Motor		Cond Motor		Compressor		Total Amps	MCA	Max Fuse	Min Voltage	Line Cord
		FLA	HP	FLA	HP	RLA	LRA					
9	208/230/60/1	0.6	0.08	0.71	0.09	3.8	20.0	5.1	6.1	15	197	6-15P
12	265/60/1	0.67	0.08	0.71	0.09	3.3	18.6	4.7	5.5	15	240	7-20P
	208/230/60/1	0.6	0.08	0.71	0.09	4.8	26.3	6.1	7.3	15	197	6-15P

RC70 Optional Electric Heat Specifications								
Heater No.	Voltage	Watts	Btuh	Amps	Total Heat Amps	MCA	Max Fuse	Line Cord
3	208	2,454	8,400	11.8	12.4	15.3	20	6-20P
	230	3,000	10,300	13.0	13.6	16.9	20	6-20P
	265	3,983	13,600	15.0	15.7	19.5	20	7-20P
4	208	3,271	11,200	15.7	16.3	20.3	25	6-30P
	230	4,000	13,700	17.4	18.0	22.3	25	6-30P
	265	5,310	18,200	20.0	20.7	25.7	30	7-30P
5	208	4,089	14,000	19.7	20.3	25.2	30	6-30P
	230	5,000	17,100	21.7	22.3	27.8	30	6-30P

RC70 Hydronic Heat Performance 104-156 (Single Row Coil)			
GPM	EWT (°F)	Capacities	P.D. ftWC
3.0	180°F Hi	24,880	9.5'
	180°F Lo	23,330	9.5'
	140°F Hi	15,750	10'
	140°F Lo	14,770	10'

An ECR International Brand
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