

RETROAIRE

The Right Fit for Comfort

RC60 PACKAGED TERMINAL AIR CONDITIONER/HEAT PUMP

P/N 240003261 Rev. 1.3 [03/05]

REPLACEMENT FOR REMINGTON, SINGER, OR MCQUAY K/EK



COOLING ONLY/HEAT PUMP

Nominal Circuits: 9,000,
12,000, 15,000 & 18,000 Btuh

PRODUCT DESCRIPTION

The Retroaire. RC/RH 60 replacement chassis is a Packaged Terminal Air Conditioner (PTAC) designed to allow owners of Remington, Singer or McQuay K/EK pack-aged terminal units to upgrade room comfort while reducing operating costs through higher efficiency and enhanced reliability.

This unit is available as a cooling-only model or, for those who wish to upgrade to a heat pump, the RH 60 chassis will fit the existing wall sleeve. This heat pump replacement will reduce heating energy costs at outdoor temperatures as low as 30°F.

Energy efficiency ratings are as high as 9.0 E.E.R., which can mean rapid payback of your replacement investment through energy savings. The Retroaire. RC/RH 60 cooling chassis must be purchased complete with blower section and control box. Heat options include electric or hydronic.

Whisper-quiet operation improves the room ambiance and a washable, permanent filter makes service a snap. The 20 gauge, galvanized steel construction of the chassis ensures long service life. All Retroaire. products are backed by Enviromaster International and are tested and rated in accordance with ARI Standards 310 & 380 and UL 484. A full service parts inventory is always available.

▲ **Capacities** – The Retroaire. RC/RH 60 Replacement Chassis are available in nominal capacities of 9000, 12000, 15000, and 18000 Btuh.

NOTE: 18,000 Btuh capacity is not available with a heat pump.

▲ **Air Systems:**

- Fans are forward-curved type, directly mounted to the motor shafts
- Motors are PSC type with overheat protection
- Air-stream surfaces are insulated with ¼" fiberglass
- Filter is permanent, washable, and accessible without tools

▲ **High Efficiency Heat Exchanger** – Coil is seamless, rifled copper tubing, arranged in stag-gered 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 standard
- Automatic expansion valve refrigerant metering for low ambient protection

▲ **Heat Pumps:**

- Heat pump heating operates as low as 30°F outdoor temperature
- Heat pumps include adjustable changeover temperature point and emergency heat position
- A standard temperature actuated drain pan valve for heat cycle condensate disposal is included

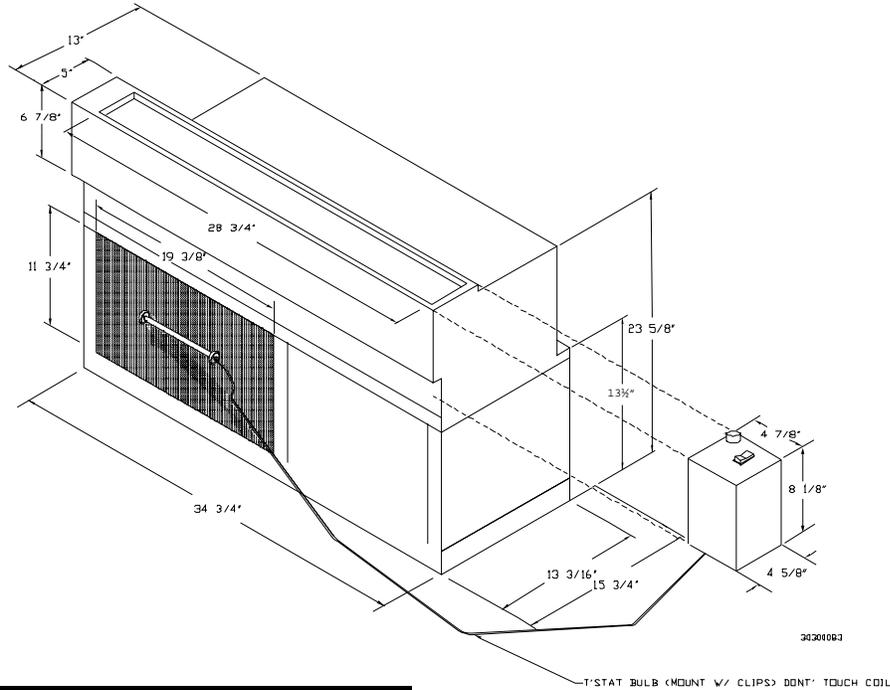
▲ **Options & Accessories:**

- The RC/RH 60 units are designed to fit both the existing wall sleeve and cabinet of the old unit. Enviromaster International can supply custom re-placements if minimum order quantities are met
- Long life 3, 4 or 5KW electric element with redundant safety controls
- Hydronic heat (one or two row coil)
- Motorized fresh air damper with positive-pressure seal and override switch
- Continuous/cycling fan control switch

SPECIFICATIONS AND PERFORMANCE

RC/RH 60 DIMENSIONS AND SPECIFICATIONS

NOTE: Due to ongoing development programs, design and specifications may change without notice.



RC/RH 60 Performance Data

Unit Size	Cooling Btuh	EERs	Heat Pump Btuh	COP	Evaporator CFM Hi/Lo	Fresh Air CFM
9	9200	9	8900	3.2	385/335	40/35
12	11100	8.8	10800	3.1	385/335	40/35
15	13700	8.5	13200	3	440/385	55/45
18	16300	8.2	N/A	N/A	440/385	55/45

RC/RH 60 Electrical Specifications

Model#	Voltage/Hz/Phase	Evap Motor		Cond Motor		Compressor		Total Amps	MCA	Max. Fuse	Min. Voltage
		FLA	HP	FLA	HP	RLA	LRA				
9	208/230/60/1	0.6	0.08	0.71	0.09	3.8	20	5.1	6.1	15	197
	265/60/1	0.67	0.08	0.71	0.09	3.3	18.6	4.7	5.5	15	240
12	208/230/60/1	0.6	0.08	0.71	0.09	4.8	26.3	6.1	7.3	15	197
	265/60/1	0.67	0.08	0.71	0.09	4.2	28	5.6	6.6	15	240
15	208/230/60/1	0.6	0.08	0.71	0.09	6.4	38	7.7	9.3	15	197
	265/60/1	0.67	0.08	0.71	0.09	5.4	32	6.8	8.1	15	240
18 (RC Only)	208/230/60/1	0.6	0.08	0.71	0.09	7.6	45	8.9	10.8	15	197
	265/60/1	0.67	0.08	0.71	0.09	6.3	32	7.7	9.3	15	240

RC/RH 60 Optional Electric Heat

Heater#	Voltage	Watts	Btuh	Amps	Total Heat Amps	MCA	Max. Fuse
3	208	2454	8400	11.8	12.4	15.3	20
	230	3000	10300	13	13.6	16.9	20
	265	3983	13600	15	15.7	19.5	20
4	208	3271	11200	15.7	16.3	20.3	25
	230	4000	13700	17.4	18	22.3	25
	265	5310	18200	20	20.7	25.7	30
5	208	4089	14000	19.7	20.3	25.2	30
	230	5000	17100	21.7	22.3	27.8	30

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