

RETROAIRE

The Right Fit for Comfort

RC15 PTAC PACKAGED TERMINAL AIR CONDITIONER

P/N# 240003253, Rev. 1.5 [02/05]

SPECIFICATIONS AND PERFORMANCE

**Replacement For:
American Standard 41,
American Air Filter Series 25 &
Others**



Straight Cool

Nominal Capacities: 9,000 - 12,000 - 15,000
& 18,000 Btuh

DESCRIPTION

The RetroAire RC15 replacement chassis is a cooling-only model conditioner designed to allow owners of American Standard 41, American Air Filter Series 25 and other packaged terminal units to upgrade room comfort while reducing operating costs through higher efficiency and enhanced reliability.

Energy efficiency ratings are as high as 10.0 E.E.R., which can mean rapid payback of your replacement investment through energy savings. The RetroAire RC15 features two fan speeds. Its separate outdoor fan does not run in venting or heating modes, thereby saving energy.

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 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.

▲ **Capacities** – The RC15 Replacement Chassis are available in nominal capacities of 9,000, 12,000, 15,000, and 18,000 Btuh.

▲ **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 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 standard.
- Automatic expansion valve refrigerant metering for low-ambient protection.

▲ **Accessories:**

- The RC15 units are designed to fit both the existing wall sleeve and cabinet of the old unit, but when either the sleeve or cabinet must be replaced because of rust or damage, RetroAire can supply custom replacements.
- Motorized fresh air damper with positive-pressure seal and override switch.
- Continuous/cycling fan control switch.
- Electric heat at 3, 4, or 5 KW.
- Hydronic Heat

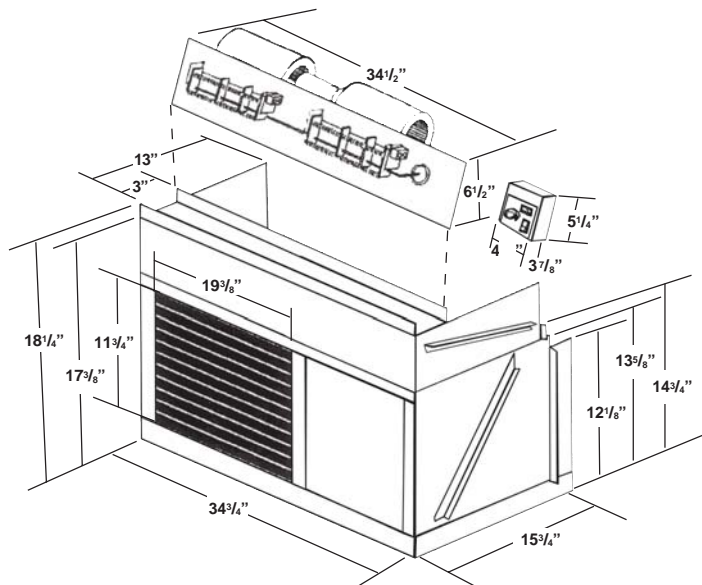
A Note On Wall Thickness

The distance from the condenser coil to the outdoor louver varies with sleeve depth. Each chassis includes two 1³/₈" or zero clearance air baffles to accommodate most common condenser coils to outdoor louver requirements. In addition, we stock an optional condenser-side air baffle kit for chassis installation in deeper than standard wall sleeves. The kit is a two-piece sliding design.

RC15 DIMENSIONS SPECIFICATIONS

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.

RC15 Hydronic Heat Performance 104-156 (Single Row)			
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'



RC-15 Performance Data				
UNIT SIZE	COOLING Btuh	EER	EVAPORATOR CFM HI/LO	FRESH AIR CFM
9	9,200	9.0	355/315	40/35
12	11,100	8.8	355/315	40/35
15	13,700	8.5	375/355	40/35

RC15 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	13.6	16.9	20	6-20P
	265	3,983	13,600	15	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	22.3	25	6-30P
	265	5,310	18,200	20	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

RC15 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	5.1	6.1	15	197	5-15P
	265/60/1	0.67	0.08	0.71	0.09	3.3	18.6	4.7	5.5	15	240	7-20P
12	208/230/60/1	0.6	0.08	0.71	0.09	4.8	26.3	6.1	7.3	15	197	6-15P
	265/60/1	0.67	0.08	0.71	0.09	4.2	28	5.6	6.6	15	240	7-20P
15	208/230/60/1	0.6	0.08	0.71	0.09	6.4	38	7.7	9.3	15	197	6-15P
	265/60/1	0.67	0.08	0.71	0.09	5.4	32	6.8	8.1	15	240	7-20P
18	208/230/60/1	0.6	0.08	0.71	0.09	7.6	45	8.9	10.8	15	197	6-15P
	265/60/1	0.67	0.08	0.71	0.09	6.3	32	7.7	9.3	15	240	7-20P

NEMA Specifications Non-Locking/Receptacles							
VOLTAGE	125V		250V		265V		
	15(A)	20(A)	15(A)	20(A)	15(A)	20(A)	30(A)
PLUG							
RECEPTACLE	5-15 R	5-20 R	6-15 R	6-20 R	6-30 R	7-15 R	7-20 R

An ECR International Brand

ENVIROMASTER INTERNATIONAL LLC
 5780 Success Dr., Rome, NY 13440
 Phone: 1-800-228-9364
 FAX: 1-800-232-9364
 Email: info@retroaire.com