

# RETROAIRE

*The Right Fit for Comfort*

Replacement for  
**FEDDERS MODEL CMEA**



## Straight Cool Only

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

### PRODUCT DESCRIPTION

The RetroAire RC40 replacement chassis is a conditioner designed to allow owners of Fedders Model CMEA packaged terminal units to upgrade room comfort while reducing operating costs through higher efficiency and enhanced reliability.

The RetroAire RC40 9,000, 12,000 and the 15,000 Btuh units are all available in a 21" chassis. The 9,000 and 12,000 Btuh units are single motor applications, while the 15,000 Btuh unit is a dual-motor application. All three capacities have two fan speeds and come equipped with a fan cycle switch.

The RetroAire RC40 uses a high-efficiency rotary compressor protected under a 5 year warranty and enhanced high-efficiency heat exchanger to make the replacement of worn out and inefficient units a very attractive option.

Positive condensate re-evaporation to improve efficiency with energy efficiency ratings as high as 9.0 can mean rapid payback of your replacement investment through energy savings.

Whisper-quiet operation improves the room ambiance and a washable mesh 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 LLC and are tested and rated in accordance with ari standards 310 & 380 and UL 484. A full service parts inventory is always available.

## RC40 PACKAGED TERMINAL AIR CONDITIONER

P/N# 240003259, Rev. 1.7 [02/05]

### CONDENSER STANDARD FEATURES

**IMPORTANT:** *This unit is available as a cooling-only model. Please contact the factory or your RetroAire representative for more information.*

#### ▲ Air System:

- Fans are forward-curved type, directly mounted to the motor shaft.
- Motor is PSC type with overheat protection.
- Blower deck air stream surfaces are insulated with ¼" fiberglass and/or ⅛" Volara.
- Filter is removable washable mesh and accessible without tools.

**Benefit:** *Designed for easy maintenance, durability and insulated for optimal system efficiency.*

▲ **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.

**Benefit:** *For obtaining optimum system efficiency and reliability.*

▲ **Power Supply Cord With Intergral Safety Protection** Providing both personal shock protection as well as arcing and fire prevention.

#### ▲ Condensing Section & Refrigeration Circuit:

- High efficiency rotary compressor with 5 year standard warranty
- PSC-type condenser fan motor with overheat protection
- Automatic expansion valve refrigerant metering for low-ambient protection

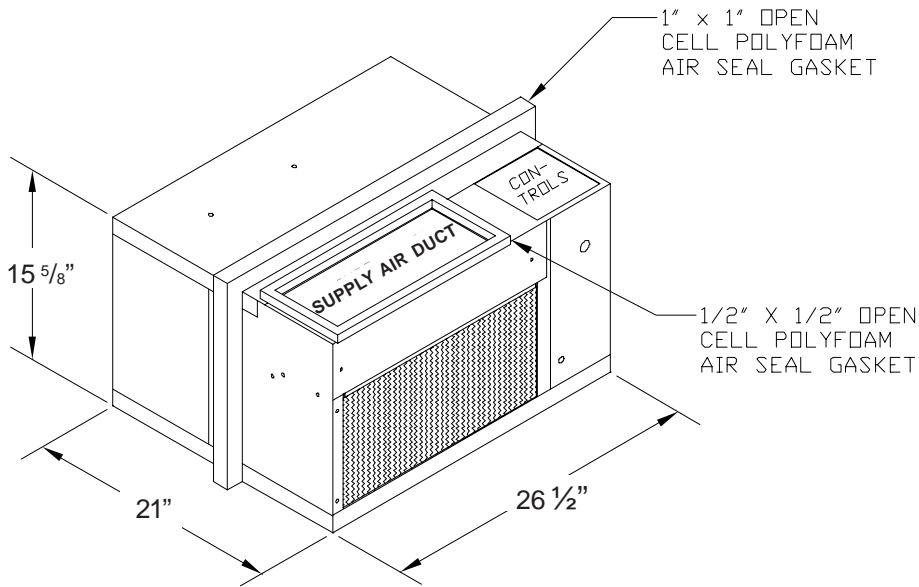
#### ▲ Options & Accessories:

- Long life 3.2 KW electric heat element with redundant safety controls.
- Hydronic heat, 1-row coil
- Continuous/cycling fan control switch.
- Motorized fresh air damper with positive pressure seal and override switch.
- Remote thermostat.

**IMPORTANT:** *The RC40 is designed to fit both the existing wall sleeve and cabinet of the old unit. When either the sleeve or the cabinet must be replaced because of rust or damage, Retroaire offers to supply custom replacements.*

# RC40 SPECIFICATIONS AND PERFORMANCE

**IMPORTANT:** Due to ongoing product development, designs, specifications, and performance data are subject to change without notice. Please consult factory for further information.



RC40 PERFORMANCE DATA				
Model	Cooling Btuh	EER	EVAP CFM High/Low	Fresh Air CFM
09	8,700	9.0	305/275	40/35
12	11,000	8.5	305/275	55/45
15	14,300	8.0	305/275	55/45

RC40 OPTIONAL ELECTRIC HEAT SPECIFICATIONS								
Heater	Voltage	Watts	Btuh	AMPS	Total Heat AMPS	MCA	Max Fuse	Line Cord
3 (3.2)	208	2,617	9,000	12.6	13.4	16.5	20	6-20P
	230	3,200	11,000	13.9	14.7	18.2	20	6-20P

RC 40 Electrical Specifications												
Model Number	Voltage/hz/ph	Evap Motor		Cond Motor		Compressor		Total amps	MCA	Max Fuse	Min Voltage	Line Cord
		FLA	Hp	FLA	Hp	RLA	LRA					
09	208/230/60/1	0.8	1/8	N/A	N/A	4.1	20	4.9	5.9	15	197	6-15P
12	208/230/60/1	0.8	1/8	N/A	N/A	5.1	28	5.9	7.2	15	197	6-15P
15	208/230/60/1	0.8	1/8	0.71	0.09	6.4	38	7.9	9.5	15	197	6-15P

NEMA Specifications Non-Locking/Receptacles				
VOLTAGE	125V		250V	
	15(A)	20(A)	15(A)	30(A)
PLUG				
RECEPTACLE				

An  **ECR International Brand**  
**ENVIOMASTER INTERNATIONAL LLC**  
 5780 Success Dr., Rome, NY 13440  
 Phone: 1-800-228-9364  
 FAX: 1-800-232-9364  
 Email: info@retroaire.com