

RETRO AIRE

The Right Fit for Comfort

Selection Guide

For Replacement
Or New Construction
PTAC/PTHP
Air Conditioners and
Water Source Consoles



The RETROAIRE Alter

Install quality RetroAire PTAC replacement chassis for quiet comfort and reliability

RetroAire replacement PTAC chassis are the ideal alternative for replacing or upgrading older and inefficient thru-the-wall PTAC's. Designed to fit into existing wall sleeves, the complete line of RetroAire chassis make it easy to replace older units that are no longer marketed by the original manufacturer. You can cost effectively upgrade your older air conditioner to higher efficiency equipment by sliding a new RetroAire PTAC chassis in an existing exterior wall opening.



The RetroAire Advantage

- Over 75 standard units available to replace 50+ original models
- Made in the USA, most units are UL and ULC Classified
- RETROAIRE replacements have the highest EER's in the industry
- Design, engineering and field or factory service by a full staff, with decades of PTAC/PTHP experience
- Every unit is tested on the assembly line before shipping
- Sample trials available
- Factory and field service and on-site assistance
- Fast delivery, with many units available from stock
- No minimum or maximum on orders
- Custom-built orders welcome (minimum quantities may apply on these).

Competitive pricing, a national network of field representatives and dedicated factory support will assist you with your replacement or upgrade projects.

Reduce Operating Expenses

PTAC's built 10 or more years ago had EER ratings of 5.0 or 6.0. Over a period of time the units can deteriorate until actual operating efficiency levels drop to 3.0 or 4.0. Installing a RetroAire replacement unit results in considerable energy savings. RetroAire replacements offer EERs (Energy Efficiency Ratios) as high as 10.00. New high efficiency rotary compressors, energy efficient motors and other component upgrades can conservatively save 150 watts per hour.

The following calculation demonstrates the savings that can be obtained in a typical hotel/motel installation by replacing existing PTAC's with RetroAire units:

- Number of Rooms: 120
- Occupancy Rate: 85%
- Annual Cooling Days: 50%
- Energy Cost: \$.08/KWH
- Estimated Efficiency Gain w/ RetroAire Replacement
= 150 Watts per Hour

Annualized Calculation:

Energy Savings:

8,760 Hr/Yr x 120 Units
x .85 Occupancy x .50 Cooling Demand
x 150 WATTS/1,000 = 67014 WATTS

Estimated Annual Savings with RetroAire replacements:

67014 KWH x \$.08/KWH = \$5,361.12

Substitute your own numbers and see what a RetroAire upgrade can mean to you. Substantial energy savings can actually pay for your upgraded equipment.

Increased Operating Savings

RetroAire package terminal heat pumps can replace many existing thru-the-wall PTAC units, resulting in greater operating savings. Since heat pumps need only power to run a compressor and fan RetroAire upgrades can save as much as half of your electric bill during seasonal periods. In cooler regions heat pumps can result in substantial savings over existing PTAC's that use only electric resistance heat .

native: Replacement PTAC



The Quality Features of The RETROAIRE Replacement PTACs and PTHPs:

Features

- Heavy gauge galvanized steel cabinets – G90U corrosion rating
- Quiet, low speed evaporator (indoor) blowers; two speed on most models
- All heat exchanger coils (condenser and evaporator) have high efficiency rifled-tubes
- Hot gas bypass valve for low ambient protection on all models
- Dual condensate drain lines on most models protect wall sleeves, carpets and walls
- Condenser (outdoor) fan remains off when unit is in heat or vent mode, for energy savings
- 208/230 volt standard, all models, 115 volt option most 09 & 12 models, 265/277 volt option, all models
- Positive condensate re-evaporation
- Corrosion inhibiting, condenser pan coating, accessible for cleaning through removable covers
- Preset switch for cycling or continuous operation of evaporator fan
- Standard 5 year compressor warranty on all units.

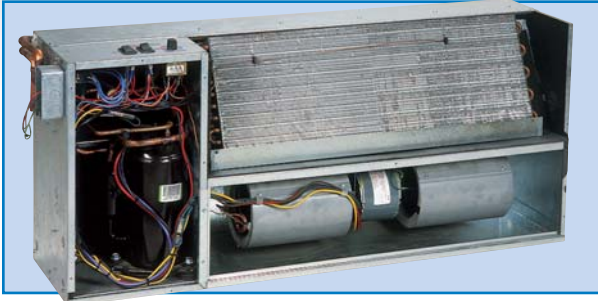
*Options (Varies By Model)**

- Electric heat 3,4 or 5KW on most units.
- Hydronic heat (water or steam) for selected models
- Replacement wall sleeves and indoor cabinets available as options to replace rusted, worn or damaged units
- Remote thermostat option, most models
- Dual voltage power option (emergency power systems)
- Sea coast coated coils and pans options
- Motorized fresh air damper option, with positive pressure seal and over-ride switch, most models
- Time delay and program relays for energy management systems

* Consult unit specifications for available options

/ PTHP Chassis.

Air-to-air PTAC'S/PTHP'S and Water Source Consoles, for Replacement or New Construction.



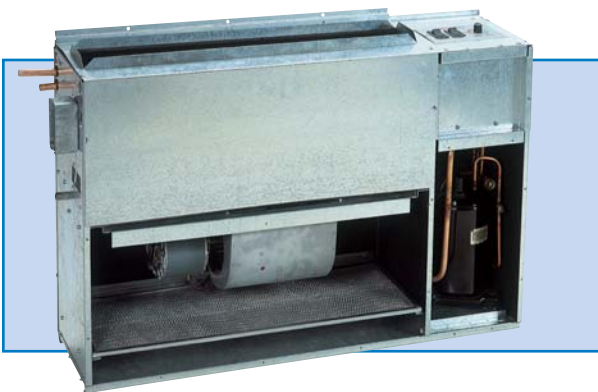
CMH Series

The CMH Water Source Consoles are designed to replace the Climate Master 801 Series. Available in nominal capacities of 8,000, 12,000 and 15,000 BTU/h these units offer improved efficiency. The CMH units, available in two chassis sizes may also replace water source consoles that were installed in custom cabinetry with dimensions equal to or larger than the CMH. Consult a RetroAire representative for specific details. Minimum quantities may be required.



CWC Series

Available in nominal capacities of 8,000, 10,000, 13,000, and 17,000 BTU/h, the CWC/CWH is designed as a complete replacement chassis for Cool Heat WC, Friedrich & Climate Master WC 800, and most units in custom enclosures. Consult a RetroAire representative to discuss your requirements and review the CWC solutions. CWC units far exceed the original EER ratings and a wide variety of features and options are available.



WMH Series

Designed to replace the popular WM units from Climate Control and Singer/McQuay, the WMH offers an upgrade to a higher level of performance, while still retaining the existing WM cabinet. Consult a RetroAire Representative for pricing and availability. 50 piece minimum order quantities apply.



CWC/CWH Cabinet and Sub Base Option

The addition of the CWC/CWH cabinet and sub base to the CWC/CWH chassis creates a complete replacement water source console for new construction, as well as for replacement of older units with damaged cabinetry or worn cosmetic features.

The RETROAIRE Selection Guide:

Original Brand/Model	RETROAIRE Model BTU/H COOLING CAPACITY (000) STANDARD VOLTAGES	Standard Features, Special Notes and Information	RETROAIRE Options
Amana Curtain Unit	RC75-9,12,15	<ul style="list-style-type: none"> Unit mounted controls Painted Almond Fan cycle switch 208/230 volt 	<ul style="list-style-type: none"> Custom paint Motorized fresh air damper 277 volt
American Air Filter Series 16	RC10 - 9,12,15,18 RH10 - 9,12,15 208/230 V	<ul style="list-style-type: none"> 2 Speed indoor fan Outdoor fan energy saving modes: off, on, vent & heat Positive condensate re-evaporation Hot gas bypass valve for low ambient Dual condensate drains Note: Check wall sleeve depth & advise when ordering optional baffle kit. Continuous or cycling fan switch 	<ul style="list-style-type: none"> 3,4,5 KW Elec. heat Motorized fresh air damper with positive-pressure seal and override switch Remote T'stat 115V or 265/277V models Hydronic coil Front air intake See Note 3, Hydronic Heat (page 9)
American Air Filter Series 25	RC15 - 9,12,15,18 208/230 V	<ul style="list-style-type: none"> 2 Speed indoor fan Outdoor fan energy saving modes: off, on, vent & heat Positive condensate re-evaporation Hot gas bypass valve for low ambient Continuous or cycling fan switch 	<ul style="list-style-type: none"> 3,4,5 KW Elec. heat (Optional blower/fan deck required if not presently installed.) Motorized fresh air damper with positive-pressure seal and override switch Remote T'stat 115V or 265/277V models Hydronic coil See Notes 2 & 3, Hydronic Heat (page 9)
American Standard Type 40	RC45 - 9,12,15,18 RH 45 - 9,12,15,18	<ul style="list-style-type: none"> 2 Speed indoor fan Outdoor fan energy saving modes: off, on, vent & heat Positive condensate re-evaporation Hot gas bypass valve for low ambient Dual condensate drains Note: Check wall sleeve depth & advise when ordering optional baffle kit. Continuous or cycling fan switch 	<ul style="list-style-type: none"> 3,4,5 KW Elec. heat Motorized fresh air damper with positive-pressure seal and override switch Remote T'stat 115V or 265/277V models Hydronic coil Front air intake See Note 3, Hydronic Heat (page 9)
American Standard Series 41	RC15 - 9,12,15,18 208/230 V	<ul style="list-style-type: none"> 2 Speed indoor fan Outdoor fan energy saving modes: off, on, vent & heat Positive condensate re-evaporation Hot gas bypass valve for low ambient Continuous or cycling fan switch 	<ul style="list-style-type: none"> 3,4,5 KW Elec. heat (Optional blower/fan deck required if not presently installed.) Motorized fresh air damper with positive-pressure seal and override switch Remote T'stat 115V or 265/277V models Hydronic coil See Notes 2 & 3, Hydronic Heat (page 9)
American Standard 45	RC10 - 9,12,15,18 RH10 - 9,12,15 208/230 V	<ul style="list-style-type: none"> 2 Speed indoor fan Outdoor fan energy saving modes: off, on, vent & heat Positive condensate re-evaporation Hot gas bypass valve for low ambient Dual condensate drains Note: Check wall sleeve depth & advise when ordering optional baffle kit. Continuous or cycling fan switch 	<ul style="list-style-type: none"> 3,4,5 KW Elec. heat Motorized fresh air damper with positive-pressure seal and override switch Remote T'stat 115V or 265/277V models Hydronic coil Front air intake See Note 3, Hydronic Heat (page 9)
Armstrong Magic Pak	VRAC/VRHP 9,12,15,17,19,24,30,36 208/230 V Field Modifications Required	<ul style="list-style-type: none"> Positive condensate re-evaporation Hot gas bypass valve for low ambient Note: Installs in same "closet" or corner space as the Carrier unit. May be installed with ducting to other room location or second room. Intake and discharge air grilles may be on front or side of enclosure 	<ul style="list-style-type: none"> 3,4,5 KW Elec. heat – 9-17 BTU/h 7,10 KW Elec. heat – 24-36 BTU/h 24V Wall thermostat 265/277V models Hydronic coil Microprocessor board
Carrier 50ET, QT	VRAC/VRHP 9,12,15,17,19,24,30,36 208/230 V Field Modifications Required	<ul style="list-style-type: none"> Positive condensate re-evaporation Hot gas bypass valve for low ambient Note: Installs in same "closet" or corner space as the Carrier unit. May be installed with ducting to other room location or second room. Intake and discharge air grilles may be on front or side of enclosure 	<ul style="list-style-type: none"> 3,4,5 KW Elec. heat – 9-17 BTU/h 7,10 KW Elec. heat – 24-36 BTU/h 24V Wall thermostat 265/277V models Hydronic coil Microprocessor board
Carrier 51P/PH	RC/RH 30 9,12,15 208/230 V	<ul style="list-style-type: none"> 3 Speed indoor fan Positive condensate re-evaporation Hot gas bypass valve for low ambient Note: Check cabinet depth-the 13" depth requires wall sleeve extension option and 6" cabinet front option, the 15" depth requires the 6" cabinet front only. A 17" depth requires no optional accessories. Continuous or cycling fan switch 	<ul style="list-style-type: none"> 3,3.5,5 KW Elec. heat Motorized fresh air damper with positive-pressure seal and override switch Remote T'stat 4" & 6" cabinet fronts Wall sleeve extension 115V or 265/277V models Hydronic coil Wall sleeve kit
Carteret 45	RC10 - 9,12,15,18 RH10 - 9,12,15 208/230 V	<ul style="list-style-type: none"> 2 Speed indoor fan Outdoor fan energy saving modes: off, on, vent & heat Positive condensate re-evaporation Hot gas bypass valve for low ambient Dual condensate drains Note: Check wall sleeve depth & advise when ordering optional baffle kit. Continuous or cycling fan switch 	<ul style="list-style-type: none"> 3,4,5 KW Elec. heat Motorized fresh air damper with positive-pressure seal and override switch Remote T'stat 115V or 265/277V models Hydronic coil See Note 3, Hydronic Heat (page 9)
Chromolox Downflow	RC85 - 9,12,15,18	<ul style="list-style-type: none"> Unit mount controls Low ambient protection Front air intake Fan cycle switch 	<ul style="list-style-type: none"> 2,3,4,5 KW electric heat Motorized fresh air damper Remote T'stat Custom wall sleeve and cabinet enclosures Add microprocessor board for remote thermostat

Original Brand/Model	RETROAIRE Model BTU/H COOLING CAPACITY (000) STANDARD VOLTAGES	Standard Features, Special Notes and Information	RETROAIRE Options	
Climate Master 701	RC21 9,12,15,18 208/230 V	<ul style="list-style-type: none"> • 2 Speed indoor fan • Outdoor fan energy saving modes: off, on, vent & heat • Positive condensate re-evaporation • Hot gas bypass valve for low ambient • Dual condensate drains • Note: Check wall sleeve depth & advise when ordering optional baffle kit. • Continuous or cycling fan switch 	<ul style="list-style-type: none"> • 3,4,5 KW Elec. heat • Motorized fresh air damper with positive-pressure seal and override switch • Remote T'stat • 115V or 265/277V models • Hydronic Coil 	
Climate Master 702, 703, 704	RC20 - 9,12,15,18 RH20 - 9,12,15 208/230 V	<ul style="list-style-type: none"> • 2 Speed indoor fan • Outdoor fan energy saving modes: off, on, vent & heat • Positive condensate re-evaporation • Hot gas bypass valve for low ambient • Dual condensate drains • Note: Check wall sleeve depth & advise when ordering optional baffle kit. For Climate Master AD & 700 see RC/RH 90. (Also see Notes 1 & 5) • Continuous or cycling fan switch 	<ul style="list-style-type: none"> • 3,4,5 KW Elec. heat • Motorized fresh air damper with positive-pressure seal and override switch • Remote T'stat • 115V or 265/277V models • See Note 3, Hydronic Heat (page 9) • Hydronic Coil 	
Climate Master WC Climate Master 800 Friedrich WC Friedrich 800	CWC\CWH 8,10,13,17 208/230 V	<ul style="list-style-type: none"> • Unit mount controls • Left or right hand piping • 208/230 volt 	<ul style="list-style-type: none"> • Electric heat • Boilerless w/Heat • Unit mount ACO • EMS relay • Motorized fresh air • Remote T'stat • Fused disconnect 	<ul style="list-style-type: none"> • Motorized valve • Ball valve and unions • Low temperature • C/N coil • Hose kits • Hydronic Coil
Climate Master 801 Friedrich 801Series	CMH 8,12,15 208/230 V	<ul style="list-style-type: none"> • Unit mount controls • Left or right hand piping • 208/230 volt 	<ul style="list-style-type: none"> • Electric heat • Boilerless w/Heat • Unit mount ACO • EMS relay • Motorized fresh air • Remote T'stat • Fused disconnect 	<ul style="list-style-type: none"> • Motorized valve • Ball valve and unions • Low temperature • C/N coil • Hose kits • Hydronic Coil
Cool Heat AD & 700 Series	RC90 - 9,12,15,18 RH90 - 9,12,15 208/230 V	<ul style="list-style-type: none"> • Outdoor fan energy saving modes: off, on, vent & heat • Positive condensate re-evaporation • Hot gas bypass valve for low ambient • Dual condensate drains • Note: Check wall sleeve depth & advise when ordering for optional baffle kit. (See Note 4) • Continuous or cycling fan switch 	<ul style="list-style-type: none"> • 3,4,5 KW Elec. heat • Motorized fresh air damper with positive-pressure seal and override switch • Remote T'stat • 115V or 265/277V models • Note: Control box type must be specified. • Hydronic Coil 	<p>See Note 3, Hydronic Heat (page 9)</p>
Cool Heat RM	RC20 - 9,12,15,18 RH20 - 9,12,15 208/230 V	<ul style="list-style-type: none"> • 2 Speed indoor fan • Outdoor fan energy saving modes: off, on, vent & heat • Positive condensate re-evaporation • Hot gas bypass valve for low ambient • Dual condensate drains • Note: Check wall sleeve depth & advise when ordering for optional baffle kit. (See Note 5) • Continuous or cycling fan switch 	<ul style="list-style-type: none"> • 3,4,5 KW electric heat • Motorized fresh air damper with positive-pressure seal and override switch • Remote T'stat • 115V or 265/277V models • Hydronic Coil 	<p>See Note 3, Hydronic Heat (page 9)</p>
Dunham Bush Newport I, II, III & IV	RC50-9,12,15,18	<ul style="list-style-type: none"> • Unit mount controls • 2 speed fan • Continuous/cycling fan switch • Manual fresh air damper • PSC motors with overheat protection 	<ul style="list-style-type: none"> • 3.2 KW electric heat • 24V remote thermostat • 115V (9, 12 only) or 265/277V models • hydronic coil 	
Emerson Model 8T	RC/RH70 9&12 208/230 V (Only)	<ul style="list-style-type: none"> • Positive condensate re-evaporation • Hot gas bypass valve for low ambient • Note: RC/RH 70 is a 208/230 unit only as cooling only or heat pump. Mounts over room door in applications where the door is to the exterior. • Continuous or cycling fan switch 	<ul style="list-style-type: none"> • Hydronic Coil 	<p>Note: RC/RH 70 units sold complete with cabinet, remote thermostat wiring, wall mounted thermostat and all necessary mounting brackets. 2 or 3 KW electric heat options may be selected.</p>
Fedders Model CMEA	RC40 6,9,12 & 15 208/230 V	<ul style="list-style-type: none"> • Positive condensate re-evaporation • Hot gas bypass valve for low ambient • Note: RC model 12 is available as a 21" or 24" deep chassis. Model 15 is a standard 24" deep. • Continuous or cycling fan switch 	<ul style="list-style-type: none"> • 3 KW Elec. heat • Motorized fresh air damper with positive-pressure seal and override switch • Remote T'stat • 115V or 265/277V models • Hydronic Coil 	<p>See Note 3, Hydronic Heat Options (page 9)</p>
Fedders CME0 "Unizone"	RC80 - 9,12,15,18 RH80 - 9,12,15 208/230 V	<ul style="list-style-type: none"> • 2 Speed indoor fan • Outdoor fan energy saving modes: off, on, vent & heat • Positive condensate re-evaporation • Hot gas bypass valve for low ambient • Dual condensate drains • Note: Check wall sleeve depth & advise when ordering optional baffle kit. Also check old chassis width. Most units were 47", but some were 42$\frac{1}{8}$" wide. Advise when ordering. • Continuous or cycling fan switch 	<ul style="list-style-type: none"> • 3,4,5 KW Elec. heat • Motorized fresh air damper with positive-pressure seal and override switch • Remote T'stat • 115V or 265/277V models • Hydronic Coil 	
Friedrich Climate Master AD & 700 Series	RC90 - 9,12,15,18 RH90 - 9,12,15 208/230 V	<ul style="list-style-type: none"> • Positive condensate re-evaporation • Hot gas bypass valve for low ambient • Dual condensate drains • Note: Check wall sleeve depth & advise when ordering for optional baffle kit. (See Note 4) • Continuous or cycling fan switch 	<ul style="list-style-type: none"> • 3,4,5 KW Elec. heat • Motorized fresh air damper with positive-pressure seal and override switch • Remote T'stat • 115V or 265/277V models • Note: Control box type must be specified. • Hydronic Coil 	<p>See Note 3, Hydronic Heat (page 9)</p>

Original Brand/Model	RETROAIRE Model BTU/H COOLING CAPACITY (000) STANDARD VOLTAGES	Standard Features, Special Notes and Information	RETROAIRE Options
Friedrich Climate Master 702, 703	RC20 - 9,12,15,18 RH20 - 9,12,15 208/230 V	<ul style="list-style-type: none"> • 2 Speed indoor fan • Outdoor fan energy saving modes: off, on, vent & heat • Positive condensate re-evaporation • Hot gas bypass valve for low ambient • Dual condensate drains Note: Check wall sleeve depth & advise when ordering optional baffle kit. (<i>See Note 5</i>) • Continuous or cycling fan switch 	<ul style="list-style-type: none"> • 3,4,5 KW Elec. heat • Motorized fresh air damper with positive-pressure seal and override switch • Remote T'stat • 115V or 265/277V models • Hydronic Coil See Note 3, <i>Hydronic Heat</i> (page 9)
Friedrich Climate Master ET	RC25 - 9,12,15 RH25 - 9,12,15 208/230 V	<ul style="list-style-type: none"> • 2 Speed indoor fan • Outdoor fan energy saving modes: off, on, vent & heat • Positive condensate re-evaporation • Hot gas bypass valve for low ambient • Continuous or cycling fan switch 	<ul style="list-style-type: none"> • 3,3,5 KW Elec. heat • Motorized fresh air damper with positive-pressure seal and override switch • Remote T'stat • 115V or 265/277V models • Hydronic Coil
Iccap RSK	RC22-9,12,15,18	<ul style="list-style-type: none"> • 2 Speed indoor fan • Outdoor fan energy saving modes: off, on, vent & heat • Positive condensate re-evaporation • Hot gas bypass valve for low ambient • Dual condensate drains Note: Check wall sleeve depth & advise when ordering optional baffle kit. (<i>Also see Notes 1 & 5</i>) • Continuous or cycling fan switch 	<ul style="list-style-type: none"> • 3,4,5 KW Elec. heat • Motorized fresh air damper with positive pressure seal and override switch • Remote T'stat • 115V or 365/277V models • Hydronic Coil See Note 3, <i>Hydronic Heat</i> (page 9)
Island Aire	RC22-9,12,15,18	<ul style="list-style-type: none"> • 2 Speed indoor fan • Outdoor fan energy saving modes: off, on, vent & heat • Positive condensate re-evaporation • Hot gas bypass valve for low ambient • Dual condensate drains Note: Check wall sleeve depth & advise when ordering optional baffle kit. (<i>Also see Notes 1 & 5</i>) • Continuous or cycling fan switch 	<ul style="list-style-type: none"> • 3,4,5 KW Elec. heat • Motorized fresh air damper with positive pressure seal and override switch • Remote T'stat • 115V or 365/277V models • Hydronic Coil See Note 3, <i>Hydronic Heat</i> (page 9)
Keeprite "C" Series	RC/RH30 9,12,15 208/230 V	<ul style="list-style-type: none"> • 3 Speed indoor fan • Positive condensate re-evaporation • Hot gas bypass valve for low ambient Note: Check cabinet depth. A 13" depth requires wall sleeve extension option and 6" cabinet front option. A 15" depth requires the 6" cabinet front only. A 17" depth requires no optional accessories. • Continuous or cycling fan switch 	<ul style="list-style-type: none"> • 3,3,5,5 KW Elec. heat • Motorized fresh air damper with positive-pressure seal and override switch • Remote T'stat • 4" & 6" Cabinet fronts • Wall sleeve extension • 115V or 265/277V models • Hydronic Coil
Lennox PTEIA Series	RC12 12 & 15 208/230 V	<ul style="list-style-type: none"> • 2 Speed indoor fan • Outdoor fan energy saving modes: off, on, vent & heat • Positive condensate re-evaporation • Hot gas bypass valve for low ambient Note: This is a cooling only unit. • Continuous or cycling fan switch 	<ul style="list-style-type: none"> • 3,4,5 KW Elec. heat • Motorized fresh air damper with positive-pressure seal and override switch • Hydronic Coil
McQuay 45	RC10 - 9,12,15,18 RH10 - 9,12,15 208/230 V	<ul style="list-style-type: none"> • 2 Speed indoor fan • Outdoor fan energy saving modes: off, on, vent & heat • Positive condensate re-evaporation • Hot gas bypass valve for low ambient • Dual condensate drains Note: Check wall sleeve depth & advise when ordering optional baffle kit • Continuous or cycling fan switch 	<ul style="list-style-type: none"> • 3, 4, 5 KW Elec. heat • Motorized fresh air damper with positive-pressure seal and override switch • Remote T'stat • 115V or 265/277V models • Hydronic Coil See Note 3, <i>Hydronic Heat</i> (page 9)
McQuay EA, ES & RS Series	RC35 - 9,12,15,18 RH35 - 9,12,15 208/230 V	<ul style="list-style-type: none"> • Outdoor fan energy saving modes: off, on, vent & heat • Positive condensate re-evaporation • Hot gas bypass valve for low ambient • Dual condensate drains Note: RS units are heat pump only, but can be replaced with the RC 35 cooling only or RH 35 Heat pump. The RC/RH 35 will replace the EA, ES or RS without any sheet metal changes, and is a dual motor unit. • Continuous or cycling fan switch 	<ul style="list-style-type: none"> • 3, 4, 5 KW Elec. heat • Motorized fresh air damper with positive-pressure seal and override switch • Remote T'stat • 115V or 265/277V models • Hydronic Coil
McQuay J/EJ (J= Hydronic Heat) (EJ= Electric Heat)	RC65 9 & 12 208/230 V	<ul style="list-style-type: none"> • Continuous or cycling fan switch Note: This is a straight cool replacement only. The blower deck (with or without electric heat) and the control box are often re-used, but may be replaced with the options if required. 	<ul style="list-style-type: none"> • 3 & 4 KW Elect. heat • Blower Deck Control Box • Hydronic Coil See Note 3, <i>Hydronic Heat</i> (page 9)
McQuay K/EK (K=Hydronic Heat) (EK= Elec. Heat)	RC60 - 9,12,15,18 RH60 - 9,12,15 208/230 V	<ul style="list-style-type: none"> • Positive condensate re-evaporation • Hot gas bypass valve for low ambient Note: RC/RH 60 models sold with control box and fan deck. If cooling only chassis is required, (<i>not advised</i>) optional special adapter must be ordered to connect to old deck. Some early models of K/EK may be labeled "H Model". These can be replaced by the RC/RH 60. • Continuous or cycling fan switch 	<ul style="list-style-type: none"> • 3, 4, 5 KW Elec. heat • Motorized fresh air damper with positive-pressure seal and override switch • Remote T'stat • 115V or 265/277V models • Hydronic Coil See Note 3, <i>Hydronic Heat</i> (page 9)
McQuay WM Climate Control WM Singer WM	WMH 9,12,15,19 208/230 V Minimum Quantities Required	<ul style="list-style-type: none"> • Unit mount controls • Left or right hand piping • 208/230 volt 	<ul style="list-style-type: none"> • Electric heat • Boilerless w/Heat • Unit mount ACO • EMS relay • Motorized fresh air • Remote T'stat • Fused disconnect • Motorized valve • Ball valve and unions • Low temperature • C/N coil • Hose kits • Hydronic Coil

Original Brand/Model	RETROAIRE Model BTU/H COOLING CAPACITY (000) STANDARD VOLTAGES	Standard Features, Special Notes and Information	RETROAIRE Options
Mueller "Climatrol"	RC80 - 9,12,15,18 RH80 - 9,12,15 208/230 V	<ul style="list-style-type: none"> • 2 Speed indoor fan • Outdoor fan energy saving modes: off, on, vent & heat • Positive condensate re-evaporation • Hot gas bypass valve for low ambient • Dual condensate drains Note: Check wall sleeve depth & advise when ordering optional baffle kit. Also check old chassis width. Most units were 47", but some were 42½" wide. Advise when ordering. • Continuous or cycling fan switch 	<ul style="list-style-type: none"> • 3, 4, 5 KW Elec. heat • Motorized fresh air damper with positive-pressure seal and override switch • Remote T'stat • 115V or 265/277V models • Hydronic Coil
Nelson-Aire 16/45	RC10 - 9,12,15,18 RH10 - 9,12,15 208/230 V	<ul style="list-style-type: none"> • 2 Speed indoor fan • Outdoor fan energy saving modes: off, on, vent & heat • Positive condensate re-evaporation • Hot gas bypass valve for low ambient • Dual condensate drains Note: Check wall sleeve depth & advise when ordering optional baffle kit • Continuous or cycling fan switch 	<ul style="list-style-type: none"> • 3, 4, 5 KW Elec. heat • Motorized fresh air damper with positive-pressure seal and override switch • Remote T'stat • 115V or 265/277V models • Hydronic Coil <p><i>See Note 3, Hydronic Heat (page 9)</i></p>
Remington 45	RC10 - 9,12,15,18 RH10 - 9,12,15 208/230 V	<ul style="list-style-type: none"> • 2 Speed indoor fan • Outdoor fan energy saving modes: off, on, vent & heat • Positive condensate re-evaporation • Hot gas bypass valve for low ambient • Dual condensate drains Note: Check wall sleeve depth & advise when ordering for optional baffle kit. • Continuous or cycling fan switch 	<ul style="list-style-type: none"> • 3,4,5 KW Elec. heat • Motorized fresh air damper with positive-pressure seal and override switch • Remote T'stat • 115V or 265/277V models • Hydronic Coil <p><i>See Note 3, Hydronic Heat (page 9)</i></p>
Remington EA, ES & RS Series	RC35 - 9,12,15,18 RH35 - 9,12,15 208/230 V	<ul style="list-style-type: none"> • Outdoor fan energy saving modes: off, on, vent & heat • Positive condensate re-evaporation • Hot gas bypass valve for low ambient Note: RS units are heat pump only, but can be replaced with the RC 35 cooling only or RH 35 Heat Pump. The RC/RH 35 will replace the EA, ES or RS without any sheet metal changes, and is a dual motor unit. • Continuous or cycling fan switch 	<ul style="list-style-type: none"> • 3,4,5 KW Elec. heat • Motorized fresh air damper with positive-pressure seal and override switch • Remote T'stat • 115V or 265/277V models • Hydronic Coil
Remington J/EJ (J= Hydronic Heat) (EJ= Electric Heat)	RC65 9 & 12 208/230 V	<ul style="list-style-type: none"> • Continuous or cycling fan switch Note: This is a straight cool replacement only. The blower deck (with or without electric heat) and the control box are often re-used, but may be replaced with the options if required. 	<ul style="list-style-type: none"> • 3 & 4 KW Elec. Heat. • Blower Deck Control Box • Hydronic Coil
Remington K/EK (K=Hydronic Heat) (EK= Elec Heat)	RC60 - 9,12,15,18 RH60 - 9,12,15 208/230 V	<ul style="list-style-type: none"> • Positive condensate re-evaporation • Hot gas bypass valve for low ambient Note: RC/RH 60 models sold with control box and fan deck. If cooling only chassis is required, (not advised) optional special adapter must be ordered to connect to old deck. Some early models of K/EK may be labeled "H Model". These can be replaced by the RC/RH 60. • Continuous or cycling fan switch 	<ul style="list-style-type: none"> • 3,4,5 KW Elec. heat • Motorized fresh air damper with positive-pressure seal and override switch • Remote T'stat • 115V or 265/277V models • Hydronic Coil <p><i>See Note 3, Hydronic Heat (page 9)</i></p>
Sears Model 8T	RC/RH70 9&12 208/230 V (Only)	<ul style="list-style-type: none"> • Positive condensate re-evaporation • Hot gas bypass valve for low ambient Note: RC/RH 70 is a 208/230 unit only as cooling only or heat pump. Mounts over room door in applications where the door is to the exterior. • Continuous or cycling fan switch 	<ul style="list-style-type: none"> • Hydronic Coil Note: RC/RH 70 units sold complete with cabinet, remote thermostat wiring, wall mounted thermostat and all necessary mounting brackets. 2 or 3 KW electric heat options may be selected.
Singer 45	RC10 - 9,12,15,18 RH10 - 9,12,15 208/230 V	<ul style="list-style-type: none"> • 2 Speed indoor fan • Outdoor fan energy saving modes: off, on, vent & heat • Positive condensate re-evaporation • Hot gas bypass valve for low ambient • Dual condensate drains Note: Check wall sleeve depth & advise when ordering for optional baffle kit. • Continuous or cycling fan switch 	<ul style="list-style-type: none"> • 3,4,5 KW Elec. heat • Motorized fresh air damper with positive-pressure seal and override switch • Remote T'stat • 115V or 265/277V models • Hydronic Coil <p><i>See Note 3, Hydronic Heat (page 9)</i></p>
Singer EA, ES & RS Series	RC35 - 9,12,15,18 RH35 - 9,12,15 208/230 V	<ul style="list-style-type: none"> • Outdoor fan energy saving modes: off, on, vent & heat • Positive condensate re-evaporation • Hot gas bypass valve for low ambient Note: RS units are heat pump only, but can be replaced with the RC 35 cooling only or RH 35 Heat Pump. The RC/RH 35 will replace the EA, ES or RS without any sheet metal changes, and is a dual motor unit. • Continuous or cycling fan switch 	<ul style="list-style-type: none"> • 3,4,5 KW Elec. heat • Motorized fresh air damper with positive-pressure seal and override switch • Remote T'stat • 115V or 265/277V models • Hydronic Coil
Singer EB	RC55 9 & 12 208/230 V	<ul style="list-style-type: none"> • Continuous or cycling fan switch Note: This is a straight cool replacement only. 	<ul style="list-style-type: none"> • 3 & 4 KW Elec. heat • Unit mount controls only • Hydronic Coil
Singer J/EJ (J= Hydronic Heat) (EJ= Electric Heat)	RC65 9 & 12 208/230 V	<ul style="list-style-type: none"> • Continuous or cycling fan switch Note: This is a straight cool replacement only. 	<ul style="list-style-type: none"> • 3 & 4 KW Elec. heat • Blower Deck Control Box • Hydronic Coil

Original Brand/Model	RETROAIRE Model BTU/H COOLING CAPACITY (000) STANDARD VOLTAGES	Standard Features, Special Notes and Information	RETROAIRE Options
Singer K/EK (K=Hydronic Heat) (EK= Elec. Heat)	RC60 - 9,12,15,18 RH60 - 9,12,15 208/230 V	<ul style="list-style-type: none"> Positive condensate re-evaporation Hot gas bypass valve for low ambient Note: RC/RH 60 models sold with control box and fan deck. If cooling only chassis is required, (not advised) optional special adapter must be ordered to connect to old deck. Some early models of K/EK may be labeled "H Model". These can be replaced by the RC/RH 60. Continuous or cycling fan switch 	<ul style="list-style-type: none"> 3,4,5 KW Elec. heat Motorized fresh air damper with positive-pressure seal and override switch Remote T'stat 115V or 265/277V models Hydronic Coil <p><i>See Note 3, Hydronic Heat (below)</i></p>
Singer Vertical PTAC	VPAC/VPHP 9,12,15,17,19, 24 208/230 V Field Modifications Required	<ul style="list-style-type: none"> Positive condensate re-evaporation Hot gas bypass valve for low ambient Note: Installs in same "closet" or corner space as the Carrier unit. May be installed with ducting to other room location or second room. Intake and discharge air grilles may be on front or side of enclosure. 	<ul style="list-style-type: none"> 3,4,5,7,10 KW Elec. heat 24V Wall thermostat 265/277V models Sheet metal flanges for match and seal to Carrier unit opening Hydronic Coil
TPI Ra-Matic	RC20 - 9,12,15,18 RH20 - 9,12,15 208/230 V	<ul style="list-style-type: none"> 2 Speed indoor fan Outdoor fan energy saving modes: off, on, vent & heat Positive condensate re-evaporation Hot gas bypass valve for low ambient Dual condensate drains Note: Check wall sleeve depth & advise when ordering for optional baffle kit. (<i>See Note 5</i>) Continuous or cycling fan switch 	<ul style="list-style-type: none"> 3,4,5 KW Elec. heat Motorized fresh air damper with positive-pressure seal and override switch Remote T'stat 115V or 265/277V models Hydronic Coil <p><i>See Note 3, Hydronic Heat (below)</i></p>
Weather Twin	RC20 - 9,12,15,18 RH20 - 9,12,15 208/230 V	<ul style="list-style-type: none"> 2 Speed indoor fan Outdoor fan energy saving modes: off, on, vent & heat Positive condensate re-evaporation Hot gas bypass valve for low ambient Dual condensate drains Note: Check wall sleeve depth & advise when ordering for optional baffle kit. (<i>See Note 5</i>) Continuous or cycling fan switch 	<ul style="list-style-type: none"> 3,4,5 KW Elec. heat Motorized fresh air damper with positive-pressure seal and override switch Remote T'stat 115V or 265/277V models Hydronic Coil <p><i>See Note 3, Hydronic Heat (below)</i></p>
Westinghouse RB	RC11 9,12,15,18 208/230 V	<ul style="list-style-type: none"> 2 Speed indoor fan Outdoor fan energy saving modes: off, on vent & heat Positive condensate re-evaporation Hot gas bypass valve for low ambient Dual condensate drains Note: Check wall sleeve depth & advise when ordering for optional baffle kit. Continuous or cycling fan switch 	<ul style="list-style-type: none"> 3,4,5 KW Elec. heat Motorized fresh air damper with positive-pressure seal and override switch Remote T'stat 115V or 265/277V models Hydronic Coil
Worthington "Climatrol"	RC80 - 9,12,15,18 RH80 - 9,12,15 208/230 V	<ul style="list-style-type: none"> 2 Speed indoor fan Outdoor fan energy saving modes: off, on vent & heat Positive condensate re-evaporation Hot gas bypass valve for low ambient Dual condensate drains Note: Check wall sleeve depth & advise when ordering for optional baffle kit. Also check old chassis width. Most units were 47", but some were 42 7/8" wide. Advise when ordering. Continuous or cycling fan switch 	<ul style="list-style-type: none"> 3,4,5 KW Elec. heat Motorized fresh air damper with positive-pressure seal and override switch Remote T'stat 115V or 265/277V models Hydronic Coil
Zoneaire "C" Series	RC/RH30 9,12,15 208/230 V	<ul style="list-style-type: none"> 3 Speed indoor fan Positive condensate re-evaporation Hot gas bypass valve for low ambient Note: Check cabinet depth. 13" depth requires wall sleeve extension option and 6" cabinet front option. A 15" depth requires the 6" cabinet front, only. A 17" depth requires no optional accessories. Continuous or cycling fan switch 	<ul style="list-style-type: none"> 3,3.5,5 KW Elec. heat Motorized fresh air damper with positive-pressure seal and override switch Remote T'stat 4" & 6" cabinet fronts Wall sleeve extension 115V or 265/277V models Hydronic Coil
Zoneaire S, SC, RM	RC20 - 9,12,15,18 RH20 - 9,12,15 208/230 V	<ul style="list-style-type: none"> 2 Speed indoor fan Outdoor fan energy saving modes: off, on, vent & heat Positive condensate re-evaporation Hot gas bypass valve for low ambient Dual condensate drains Note: Check wall sleeve depth & advise when ordering for optional baffle kit. (<i>See Note 5</i>) Continuous or cycling fan switch 	<ul style="list-style-type: none"> 3,4,5 KW Elec. heat Motorized fresh air damper with positive-pressure seal and override switch Remote T'stat 115V or 265/277V models Hydronic Coil <p><i>See Note 3, Hydronic Heat (below)</i></p>
Custom Applications	Zoneaire/Freidrich 16" x 42" with Electric Heat	Consult Factory	Consult Factory

Consult factory for any other custom applications

Notes:

- Climate Master built three cabinet styles (ME,SP,MP). ME & SP are single piece cabinets, MP is a multi-piece cabinet, with separate wall box and is often used with hydronic heat which fits on top of the wall box. This heat can be retained and the RC/RH 20 should be ordered without electric heat.
- The American Standard 41 and American Air Filter 25 were built with separate cooling chassis, blower/fan deck and control box. The blower deck and control box may be ordered as options.
- One row, Hydronic Heat and 2 or 3 way water valves may be ordered as options for most models. Consult factory for steam heat options.
- This replacement should not be confused with the Climate Master 702 & 703. Identify the proper of three available control boxes, from the RC/RH 90 spec sheet or special check off sheet. 9,12 & 15 RC/RH 90 chassis are 18 1/4" deep, the 18 model is 24" deep, but is available as 18 1/4", if required.
- The RC/RH20 is delivered with an adjustable weather seal, angle flange system. It provides 4 position adjustments to accommodate various wall sleeve designs.

RetroAir New Construction Products

Original Brand/Model	RETROAIRE Model BTU/H COOLING CAPACITY (000) STANDARD VOLTAGES	Standard Features, Special Notes and Information	RETROAIRE Options
CWH	CWH 8, 10, 13, 17 208/230 V	<ul style="list-style-type: none"> • Unit mount controls • Left or right hand piping • 208/230 volt 	<ul style="list-style-type: none"> • Electric heat • Boilerless w/Heat • Unit mount ACO • EMS relay • Motorized fresh air • Remote T' stat • Fused disconnect • Motorized valve • Ball valve and unions • Low temperature • C/N coil • Hose kits • Hydronic Coil
New Construction Downflow PTAC	RC95 - 9, 12, 15, 18	<ul style="list-style-type: none"> • Remote thermostat • Fan cycle switch • Cooling only • 208/230 volt 	<ul style="list-style-type: none"> • Unit mounted controls • Motorized fresh air damper • 277 volt
RC22 & RH22	RC22-9, 12, 15, 18 RH22-9, 12, 15	<ul style="list-style-type: none"> • 2 Speed indoor fan • Outdoor fan energy saving modes: off, on, vent & heat • Positive condensate re-evaporation • Hot gas bypass valve for low ambient • Dual condensate drains Note: Check wall sleeve depth & advise when ordering optional baffle kit. (See Note 5) • Continuous or cycling fan switch 	<ul style="list-style-type: none"> • 3, 4, 5 KW Elec. heat • Motorized fresh air damper with positive-pressure seal and override switch • Remote T'stat • 115V or 265/277V models • Hydronic Coil • Microprocessor board for remote • Custom wall sleeve and cabinet enclosure See Note 3, Hydronic Heat (page 9)
VPAC / VPHP	VPAC / VPHP 9, 12, 15, 17, 19, 24, 30, 36 208/230 V	<ul style="list-style-type: none"> • Positive condensate re-evaporation • Hot gas bypass valve for low ambient Note: May be installed with ducting to other room location or second room. Intake and discharge air grilles may be on front or side of enclosure 	<ul style="list-style-type: none"> • 3, 4, 5 KW Elec. heat – 9-17 BTU/h • 7, 10 KW Elec. heat – 24-36 BTU/h • 24V Wall thermostat • 265/277V models • Hydronic coil • Microprocessor board

Also available from RetroAire: custom cabinetry, replacement wall sleeves, cabinet panels, louvers, and complete design and manufacture of replacements for conditioners not shown on the Selection Guide

In addition to the options shown in this Selection Guide, RETROAIRE can supply replacement wall sleeves and outside louvers as well as room side cabinets, cabinet fronts, louvers and accessories for the units listed. Other options for the line include:

- Sea Coast Coated Coils and Drain Pans
- Program relay for energy management systems
- Time delay relay
- 2 Voltage Power (Emergency power)

RETROAIRE has a major design and manufacturing facility which can be used for the engineering and development of replacement chassis not shown in the above chart. Our factory personnel will make on site visits to consult with you on custom manufacture of any thru-the-wall replacement chassis.

Minimum orders do apply on custom orders, but the added cost of custom development for larger facilities is very reasonable.



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