# INDEPENDENT SUPPLY COMPANY INC

*an Employee Ownership Company*

## HVAC EQUIPMENT

LG Life's Good

ClimateMaster

Imperial

RUUD

Gibson Heating and Cooling Products

Maytag Heating and Cooling

Advanced Distributor Products

Sanuvox Technologies

# LG AIR CONDITIONING SYSTEMS

Art cool • Mini-Split • Flex Multi-Split • Floor Standing • Window Room Air • PTAC

Life's Good

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# MULTI V™ series

## Outdoor unit

The MULTI Inverter System composed of serially arranged refrigerant pipes connected to a single outdoor unit is an efficient system that offers outstanding energy saving, simple and easy installation, and connection to different types of indoor units, making it easy to design and install.

MULTI V™

R 410A

LG Air Conditioner • Caring for Environment •

LG

Life's Good

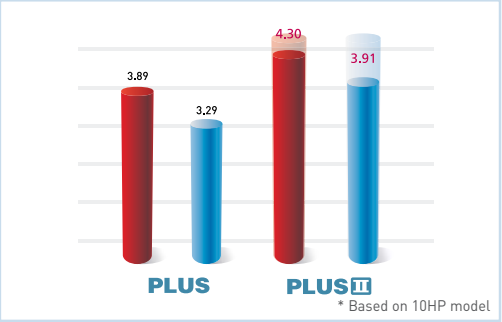
MULTI V™ PLUS II

MULTI V™ SYNC II

MULTI V™ MINI

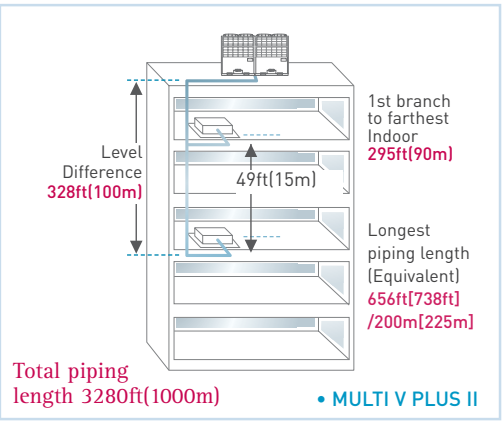
# MULTI V™ series Outdoor unit

Pursuing the market needs of high energy efficiency and environmental friendliness.




## World Highest COP!

- DC Inverter Compressor
- Inverter Combination
- High Efficient DC Inverter Fan
- Wide Louver Heat Exchanger



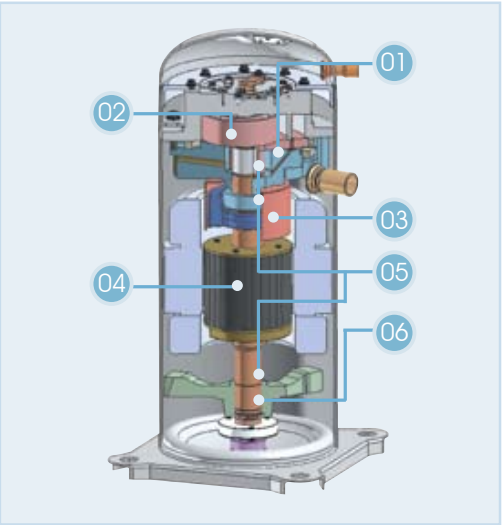

## Extended piping length

- MULTI V PLUS II

* Using Y branch

| | |
|---|---|
| Total piping length | 3280ft(1000m) |
| Longest piping length (Equivalent) | 656ft(738ft)/200m(225m) |
| Longest piping length after 1st branch | 295ft(90m) |
| Level difference Between ODU~IDU | 328ft(100m) |
| Level difference Between IDU~IDU | 49ft(15m) |
| Level difference Between ODU~ODU | 16ft(5m) |

- Refer to the specifications for more information




## DC Inverter Compressor

01 Optimized Scroll Shape

02 Oil injection Mechanism
- High reliability in low rpm operation
- High Efficiency in partial-load operation

03 Oil Discharge Reduction
- High reliability in high rpm operation
- Enhanced Oil Circulation

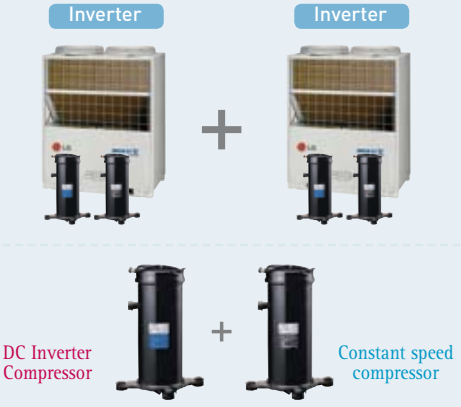
04 DC Inverter Motor
- High Efficiency - Low Noise

05 Teflon Coated Bearing

06 High-performance Oil Pump

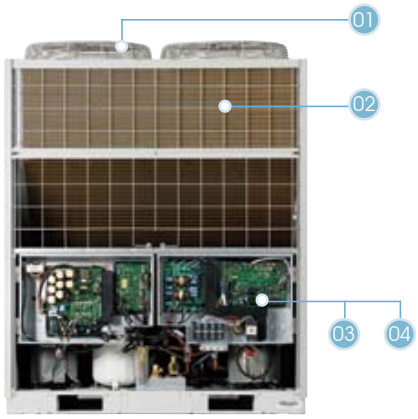
# 2008 New Features

MULTI V PLUS II
MULTI V SYNC II
MULTI V MINI

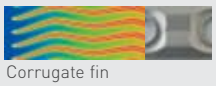



## Inverter Combination

- Increased Performance & High COP
- Faster Response for partial load
- Optimized combination with minor surface
- Competitive price for Customers
- Reduced total base model units
  - Simple line-up
  - Easy stock & logistics management.




Wide Louver heat exchanger



Corrugate fin

Wide louver fin

3Ø INV Controller

## Other features

01 DC Inverter Fan Motor
- Power Consumption decreased by 30~40%

02 Wide Louver Heat Exchanger
- Improved heat exchange rate by 14%
- Anti-corrosion treatment (Gold fin)

03 Black Box Function
- Save the last 3 minutes operating data
- Precise Analysis & Fast trouble-shooting

04 Upgraded Main PCB

Main PCB

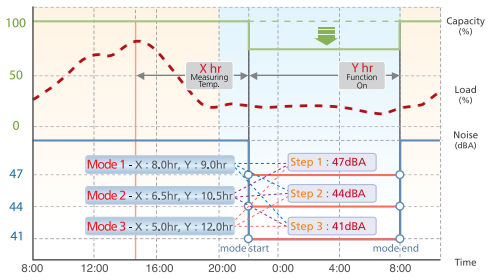
- 3-Digit 7 Segment

- Double DIP Switch

# MULTI V™ series Outdoor unit

Pursuing the market needs of high energy efficiency and environmental friendliness.

Enhanced comfort for End-user!




* Based on MULTI V PLUS II, 10HP model

## Night Silent Operation

Night silent operation will be on for X hours starting from the peak temperature during daytime, and then after Y hours, it'll be back to normal operation.

- Mode 1 → X : 8.0 hours, Y : 9.0 hours
- Mode 2 → X : 6.5 hours, Y : 10.5 hours
- Mode 3 → X : 5.0 hours, Y : 12.0 hours

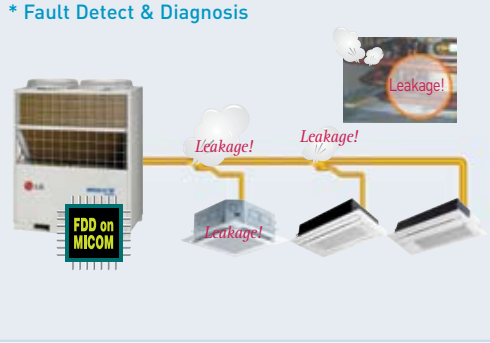
Each mode can be selected as 3 steps of sound level.

Unit : dBA

| | MINI | PLUS II | SYNC II |
|---|---|---|---|
| Step 1 | 46 | 47 | 47 |
| Step 2 | 43 | 44 | 44 |
| Step 3 | 40 | 41 | 41 |

* Multi V mini only operate in "Mode 1"

* Fault Detect & Diagnosis

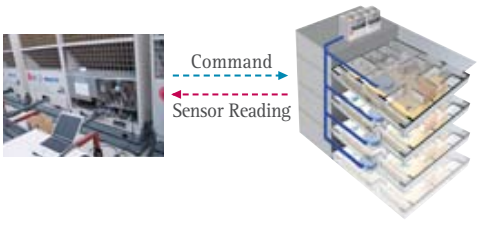



## Automatic Refrigerant check-up

- It can be checked refrigerant status during start-up whether it is undercharged or overcharged
- It can be decided appropriate amount of refrigerant automatically through cycle operation.
- Checking pressure & temperature sensor error automatically

# 2008 New Features

MULTI V PLUS II
MULTI V SYNC II
MULTI V MINI




• Operation state • Center controller • Cycle View

## LG MV

- Easy start-up, Easy trouble shooting
- Monitoring the normality of all parts such as compressor, fan, valve, etc

• Model selection • Auto check

• CAD application • Making quotation

## LATS MULTI V

- Convenient model selection program
- Highly user-friendly design (Autocad Version)
- Automatic piping design & check

Download from Sales Supporting System
→ http://www.lgeaircon.com

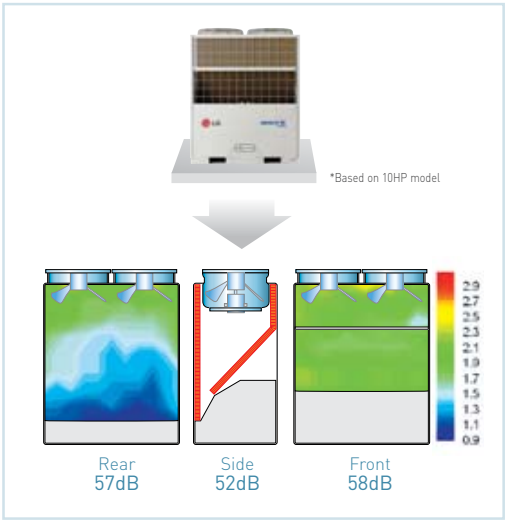
MULTI V™ PLUS II

MULTI V Inverter system offers one of the world's largest capacity units, essential for high-rise buildings. We are proud to say the system will ensure the highest level of customer satisfaction.

Enjoy a clean &
comfortable life with MULTI V.

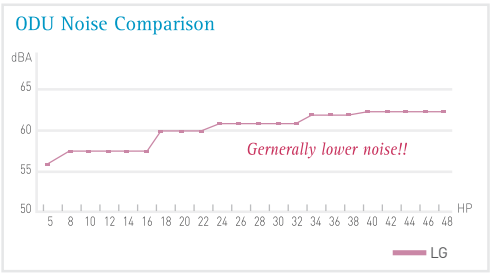
# TECHNOLOGY

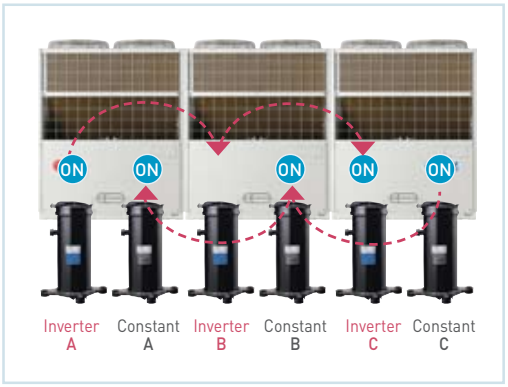
Your life will be upgraded one level through the state-of-the-art technology of Multi V Plus II.




## Low Noise

- Latest technology and features are applied to the new outdoor units to reduce noise level.
- Less noise level



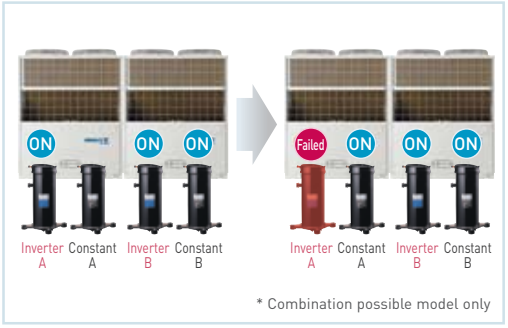

## Alternate-Cycling Function

- To extend compressors' life span by operating them alternately

  Inverter A ⟷ Inverter B ⟷ Inverter C

  Constant A ⟷ Constant B ⟷ Constant C

- To meet diverse load in operation




## Automatic Back-up

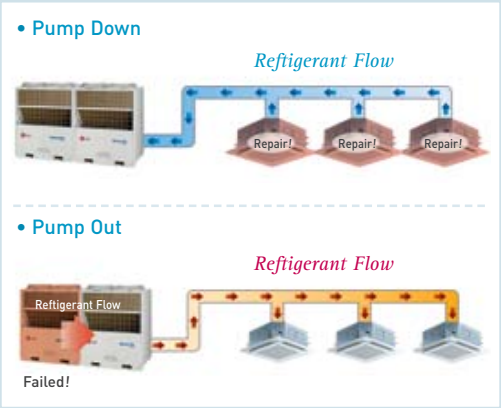
- For emergency, it makes back-up operation possible before trouble-shooting

  Inverter A, B + Constant B
  → Inverter B + Constant A, B

- Error notice in indoor unit : 4 times per day (every 6 hour)

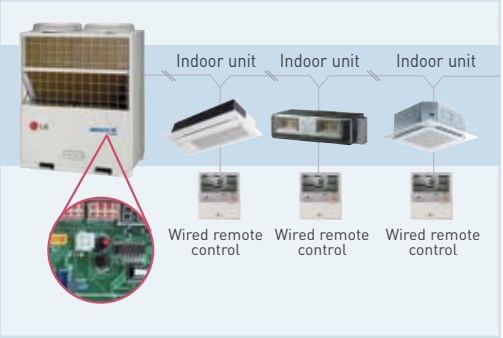
MULTI V™ PLUS II

A system air conditioner offers one of the world's largest capacity units, essential for high-rise buildings. We are proud to say the system will ensure the highest level of customer satisfaction.



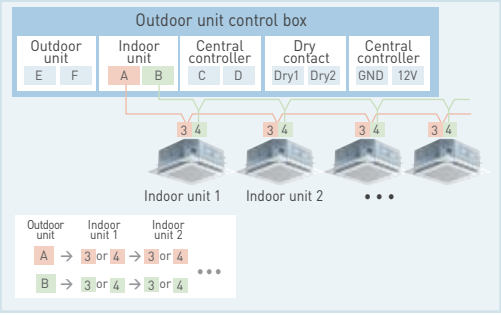

## Pump Down & Pump Out

- Pump down
  When indoor units need to replace, refrigerants are collected to the outdoor unit.
  - Multi V Plus II / Sync II / Mini
- Pump out
  If left outdoor unit breakdown, refrigerant is sent to another outdoor and indoor unit during service.
  - Multi V Plus II / Sync II (Combination unit)




## Auto addressing

Addressing outdoor units and indoor units are automatically done just by pressing the button.




## Non-polarity transmission connection

Easy installation and no errors for transmission line connections.

## Plate type SC HEX

- Increased Sub-cooling by high-performance heat exchanger
- Enable to be long piping length and level difference
- More powerful Cooling operation

# CONVENIENCE

From installation and transportation to maintenance and service, MULTI V PLUS II adds convenience to cutting-edge technology.

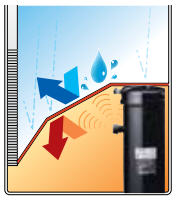
## Cool / Heat selector

- Simple central control without Network solution
- Select operation mode (Air circulation, Cooling, Heating)
- Mode lock for heating & cooling mixing error-proof during a seasonal change

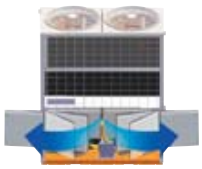
## Separate Front Panel

- Easy access to Main PCB (DIP switch)
- Convenient during service and start-up
- Benefits for Technician, Installer

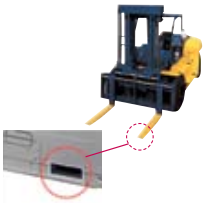
• Safety chassis



• Swing Control Box



• Easy to handle



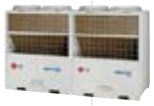
• Strong base-pan

## Other features

- Resistant to dust, rain, corrosion and others
- Convenient maintenance due to swing door type control box
- Easy to handle through fork lift slot
- Strong base-pan support

## MULTI V™

### Outdoor unit line up

| MODEL | HP | 4 | 5 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Btu/h | 38k | 48k | 53k | 76k | 96k | 115k | 134k | 154k | 173k | 192k |
| MULTI V PLUS II | 3ø, 460V, 60Hz | | | | | | | | |  | |
| MULTI V PLUS II | 3ø, 208V / 230V, 60Hz | | | | | | | | | | |
| MULTI V SYNC II | 3ø, 208V / 230V, 60Hz | | | | | | | | | | |
| MULTI V MINI | 1ø, 208V / 230V, 60Hz | | | | | | | | | | |

* Product Available in 1Q / '08

* Product Available in 2Q / '08

* Product Available in 4Q / '08

* Product Available in 3Q / '08



## MULTI V™

### Indoor unit line up

| kW | | 2.2 | 2.8 | 3.6 | 4.5 | 5.6 | 7.1 | 8.2 | 10.6 | 12.3 | 14.1 | 22.4 | 28.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Btu / h | | 7k | 9k | 12k | 15k | 18k | 24k | 28k | 36k | 42k | 48k | 76k | 96k |
| SRAC | Wall Mounted |  | | | | | | | | | | | |
| Series ART COOL | Gallery | | | | | | | | | | | | |
| | Mirror | | | | | | | | | | | | |
| Ceiling Cassette | 4way (21 1/2 * 21 1/2) Inch (570 * 570) mm | | | | | | | | | | | | |
| | 4way (33 * 33) Inch (840 * 840) mm | | | | | | | | | | | | |
| | 2way | | | | | | | | | | | | |
| | 1way | | | | | | | | | | | | |
| Ceiling Concealed Duct | Low Static Slim Duct | | | | | | | | | | | | |
| | Built-in Duct | | | | | | | | | | | | |
| | High Static Duct | | | | | | | | | | | | |
| Ceiling & Floor | | | | | | | | | | | | | |
| Ceiling Suspended | | | | | | | | | | | | | |
| Floor Standing | With Case | | | | | | | | | | | | |
| | Without Case | | | | | | | | | | | | |

## LG ART COOL MINI-SPLIT

### SINGLE ZONE - HIGH WALL DUCT FREE

The slim, contemporary styling of the Art Cool models will appeal to today's customer. The 9,000 and 12,000 BTU picture models come with a frame that allows the customer to modify and personalize the unit with their own artwork or photography – the ultimate in custom design. Other indoor units are available in popular finishes and colours to compliment any décor. Features: R410A, Neo Plasma Air Purifying system, Self-cleaning indoor coil, dehumidifying mode, three-way cooling and remote control. Available in both heating and heating/cooling.

**COOLING UNIT**

| Order Number | BTU/hr | SEER | Voltage | Indoor W x H x D (in) | Indoor (lbs) | Outdoor W x H x D (in) | Outdoor (lbs) |
|---|---|---|---|---|---|---|---|
| LA090CP | 9,000 | 13 | 115 | 23 5/8 x 23 5/8 x 5 3/4 | 30.9 | 30 5/16 x 21 5/16 x 9 5/8 | 66.1 |
| LA120CP | 12,000 | 13 | 115 | 23 5/8 x 23 5/8 x 5 3/4 | 30.9 | 30 5/16 x 21 5/16 x 9 5/8 | 70.5 |
| LA180CP | 18,000 | 13 | 230/208 | 36 1/2 x 20 19/32 x 5 25/32 | 37.5 | 34 5/16 x 25 13/16 x 12 5/8 | 149.9 |

**HEAT PUMP**

| Order Number | BTU/hr | SEER | Voltage | Indoor W x H x D (in) | Indoor (lbs) | Outdoor W x H x D (in) | Outdoor (lbs) |
|---|---|---|---|---|---|---|---|
| LA090HP | 9,000 | 13 | 115 | 23 5/8 x 23 5/8 x 5 3/4 | 30.9 | 30 5/16 x 21 5/16 x 9 5/8 | 66.1 |
| LA120HP | 12,000 | 13 | 115 | 23 5/8 x 23 5/8 x 5 3/4 | 30.9 | 30 5/16 x 21 5/16 x 9 5/8 | 66.1 |

**HEAT PUMP INVERTER SERIES**

| Order Number | BTU/hr | SEER | Voltage | Indoor W x H x D (in) | Indoor (lbs) | Outdoor W x H x D (in) | Outdoor (lbs) |
|---|---|---|---|---|---|---|---|
| LS902HPV | 9,200 | 19.7 | 230/208 | 35 3/16 x 11 3/32 x 6 1/2 | 23.1 | 30 5/16 x 21 5/16 x 9 5/8 | 83.8 |
| LS122HPV | 12,000 | 18.7 | 230/208 | 35 3/16 x 11 3/32 x 6 1/2 | 23.1 | 30 5/16 x 21 5/16 x 9 5/8 | 83.8 |
| LS182HPV | 18,000 | 16.2 | 230/208 | 43 11/16 x 11 3/4 x 7 7/8 | 31.1 | 34 5/16 x 25 13/16 x 12 5/8 | 101.4 |
| LS242HPV | 24,000 | 16.2 | 230/208 | 43 11/16 x 11 3/4 x 7 7/8 | 31.1 | 34 5/16 x 25 13/16 x 12 5/8 | 172.2 |

## MINI-SPLIT STANDARD

### SINGLE ZONE - HIGH WALL DUCT FREE

Standard features include: R410a Refrigerant, Dehumidifying mode, Neo Plasma Air Purifying System, Chaos Swing, Jet Cool, Cooling mode, Heating mode (H/P model only), Fan mode, Auto operation, Manual power switch, Defrost control (H/P model only), Temperature display on indoor unit, Auto sleep mode, Auto restart, 24-hour on/off timer, built-in low ambient standard down to 0°F (cooling mode), Ultra quiet operation, Evaporator frost control.

**COOLING UNIT**

| Order Number | BTU/hr | SEER | Voltage | Indoor W x H x D (in) | Indoor (lbs) | Outdoor W x H x D (in) | Outdoor (lbs) |
|---|---|---|---|---|---|---|---|
| LS090CP | 9,000 | 13 | 115 | 33 1/16 x 10 5/8 x 6 1/32 | 15.4 | 30 5/16 x 21 5/16 x 9 19/32 | 66.1 |
| LS120CP | 12,000 | 13 | 115 | 35 3/16 x 11 x 6 1/2 | 20.5 | 30 5/16 x 21 5/16 x 9 19/32 | 70.5 |
| LS180CP | 18,000 | 13 | 208/230 | 42 15/16 x 11 13/16 x 7 1/32 | 28.6 | 34 5/16 x 25 13/16 x 12 5/8 | 149.9 |
| LS240CP | 23,000 | 13 | 208/230 | 42 15/16 x 11 1/32 x 7 1/32 | 28.6 | 34 5/16 x 31 1/2 x 12 5/8 | 166.6 |

**HEAT PUMP**

| Order Number | BTU/hr | SEER | Voltage | Indoor W x H x D (in) | Indoor (lbs) | Outdoor W x H x D (in) | Outdoor (lbs) |
|---|---|---|---|---|---|---|---|
| LS090HP | 9,000 | 13 | 115 | 33 1/6 x 10 5/8 x 6 1/32 | 15.4 | 30 5/16 x 21 5/16 x 9 19/32 | 68.2 |
| LS180HP | 18,000 | 13 | 208/230 | 42 15/16 x 11 13/16 x 7 1/32 | 28.6 | 34 5/16 x 25 13/16 x 12 5/8 | 153.3 |
| LS240HP | 23,000 | 13 | 208/230 | 42 15/16 x 11 13/16 x 7 1/32 | 28.6 | 34 5/16 x 31 1/2 x 12 5/8 | 169.6 |
| LS302HPV* | 27,000 | 16 | 208/230 | 47 3/5 x 13 3/5 x 8 1/4 | 37.5 | 34 5/16 x 25 13/16 x 12 5/8 | 147.7 |

***Note: Inverter Model**

# LG A/C & H/P UNITS

## LG FLEX MULTI SPLIT

### ART COOL

The larger, Flex Multi Split Systems operate two or three interior units that are mounted in separate rooms. Each indoor unit comes with its own remote control, allowing you to set the temperature individually in different rooms. These units are connected to a single exterior unit. 9,000 and 12,000 Flex Multi indoor units can be combined to achieve between 18,000 and 24,000 BTUs on a Dual Zone system and from 27,000 to 36,000 BTUs on a Tri Zone system. The interior units are available in a variety of styles including ARTCOOL and standard models. Both Dual Zone and Tri Zone are available in cooling only or heat pump systems.

**OUTDOOR UNIT - DUAL ZONE**

| Order Number | BTU/hr | Voltage | Amps | MCA | MOP | Outdoor H x W x D (in) | Outdoor (lbs) |
|---|---|---|---|---|---|---|---|
| LMO240C | 24,000 AC | 230/208 | 11.1 | 20 | 20 | 40 5/32 x 34 3/16 x 17 5/16 | 139.0 |
| LMO240H | 24,000 HP | 230/208 | 11.1 | 20 | 20 | 40 5/32 x 34 3/16 x 17 5/16 | 139.0 |

Choose any two indoor cooling units for a combined 18,000 to 24,000 BTU cooling. Pick the same style or mix and match.

or

Choose any two indoor heat pump units for a combined 18,000 to 24,000 BTU cooling. Pick the same style or mix and match.

**OUTDOOR UNIT - TRI ZONE**

| Order Number | BTU/hr | Voltage | Amps | MCA | MOP | Outdoor W x H x D (in) | Outdoor (lbs) |
|---|---|---|---|---|---|---|---|
| LMO360C | 36,000 AC | 230/208 | 16.6 | 20 | 30 | 41 5/32 x 44 7/8 x 17 5/16 | 172.0 |
| LMO360H | 36,000 HP | 230/208 | 16.6 | 20 | 30 | 41 5/32 x 44 7/8 x 17 5/16 | 172.0 |

Choose any three indoor cooling units for a combined 27,000 to 36,000 BTU cooling. Pick the same style or mix and match.

or

Choose any three indoor heat pump units for a combined 27,000 to 36,000 BTU cooling. Pick the same style or mix and match.

**EVAPORATORS - DUAL ZONE & TRI ZONE**

| Order Number | Description | SEER | Voltage | Indoor W x H x D (in) | Indoor (lbs) |
|---|---|---|---|---|---|
| LMI090CP | A/C Model Standard Finish | 13 | 36V DC | 33 1/16 x 10 5/8 x 6 1/32 | 15.4** |
| LMA090CP | A/C Model Art Cool Metal Finish | 13 | 36V DC | 33 1/16 x 10 5/8 x 6 1/32 | 15.4** |
| LMI120CP | A/C Model Standard Finish | 13 | 36V DC | 35 3/16 x 11 x 6 1/2 | 20.5** |
| LMA120CP | A/C Model Art Cool Metal Finish | 13 | 36V DC | 22 13/32 x 22 13/32 x 5 3/8 | 24.9** |
| LMA121CPM | A/C Model Art Cool Mirror Finish | 13 | 36V DC | 36 x 11 3/32 x 6 1/2 | 20.5** |
| LMI090HP | H/P Model Standard Finish | 13 | 36V DC | 33 1/16 x 10 5/8 x 6 1/32 | 15.4** |
| LMA090HP | H/P Model Art Cool Metal Finish | 13 | 36V DC | 22 13/32 x 22 13/32 x 5 3/8 | 24.9** |
| LMI120HP | H/P Model Standard Finish | 13 | 36V DC | 35 3/16 x 11 x 6 1/2 | 20.5** |
| LMA120HP | H/P Model Art Cool Metal Finish | 13 | 36V DC | 22 13/32 x 22 13/32 x 5 3/8 | 24.9** |
| LMA121HPM | H/P Model Art Cool Mirror Finish | 13 | 36V DC | 36 x 11 3/32 x 6 1/2 | 20.5** |

### CEILING CASSETTE

LG high capacity split system Ceiling Cassette models are ideal for light commercial applications and work well in large, open spaces. The outdoor unit operates on high-voltage (230/208) power and utilizes one or two compressors, depending on size. Features include: Multi Power System, R410A, internal condensate pump, swirl wind, four-way cooling, dehumidifying mode, evaporator frost control, 24-hour on/off timer, Plasma Air Purifying system.

| Order Number | BTU/hr | SEER | Voltage | Indoor W x H x D (in) | Indoor (lbs) | Outdoor W x H x D (in) | Outdoor (lbs) |
|---|---|---|---|---|---|---|---|
| LC240CP | 24,000 | 13 | 208/230-60-1 | 29 5/16 x 29 5/16 x 11 1/2 | 52.9 | 34 1/4 x 31 1/2 x 12 5/8 | 160.0 |
| LC340CP | 34,000 | 13 | 208/230-60-1 | 33 1/16 x 33 1/16 x 11 11/32 | 70.4 | 35 7/16 x 45 7/8 x 14 9/16 | 190.0 |

### FLOOR STAND

#### DUCT FREE

Floor Standing models are ideal for light commercial applications and work well in large, open spaces. The outdoor unit operates on high-voltage (230/208) power and utilizes one or two compressors, depending on size. Multi Power system, R22, Chaos swing, three dimensional cooling, dehumidifying mode, evaporator frost control, 7-hour on/off timer, Plasma Air Purifying system.

| Order Number | BTU/hr | SEER | Rated Voltage | Indoor W x H x D (in) | Indoor (lbs) | Outdoor W x H x D (in) | Outdoor (lbs) |
|---|---|---|---|---|---|---|---|
| LF300CP | 28,000 | 13 | 208/230-60-1 | 22 13/32 x 71 21/32 x 12 1/4 | 72.7 | 34 5/16 x 25 13/16 x 12 19/32 | 136.6 |
| LF480CP | 48,000 | 13 | 208/230-60-1 | 23 7/32 x 71 1/4 x 17 5/16 | 127.9 | 35 7/16 x 48 7/32 x 14 9/16 | 198.4 |

### PACKAGED TERMINAL AIR CONDITIONERS

Ultra quiet operation is the hallmark of LG's new line of PTAC products. Low decibel levels and outstanding sound prevention rating make this your best choice for a quiet environment. Efficiency ratings up to 12.5 EER, these units are also an energy efficient choice. Other features include standard connections for remote thermostat and front desk controls. Gold Fin technology protects the unit from the corrosive effects of outside air and extends the operating life of PTAC models. And the industry standard size makes installation easy and economical.

**DIGITAL CONTROL DISPLAY INCLUDES:**

- Temperature Display on unit precise and easy to use
- Cooling, Heating and Fan Modes one unit for all seasons
- Energy Saver Mode helps to lower energy consumption operational costs
- Auto Restart automatically restarts to programmed setting when the electricity comes on after a power failure.

**WIRELESS ENERGY MANAGEMENT DIGITAL THERMOSTAT WITH OCCUPANCY SENSOR:**

- Digital Touch-Screen Controls
- Built In Occupancy Sensor
- Built In Energy Management Controls
- True Wireless RF Communication
- Installs in as little as 10 minutes
- Easy to program

| Order Number | BTU/hr | SEER | Voltage | Indoor dB(A) | H x W x D (in) | Ship Weight (lbs) |
|---|---|---|---|---|---|---|
| LP701CE | 7,600 | 12.5 | 208/230 | 45/43 | 42 x 16 x 19 7/8 | 86.4 |
| LP901CE | 9,000 | 11.7 | 208/230 | 45/43 | 42 x 16 x 19 7/8 | 86.6 |
| LP121CE | 11,800 | 11.2 | 208/230 | 49/47 | 42 x 16 x 19 7/8 | 92.6 |
| LP151CE | 14,300 | 10 | 208/230 | 49/47 | 42 x 16 x 19 7/8 | 100.5 |

# LG AIR CONDITIONING UNITS

## LG WINDOW AIR CONDITIONERS

- Energy Star Rated
- Soft Touch LCD Remote Control
- Auto Restart
- Slide In-Out Chassis
- 4-way Air Deflection
- Wide Air Discharge, Energy Saver Function
- High Efficiency
- Digital Timer

| Order Number | BTU/hr | EER | Voltage | Air Deflection | Amps | H x W x D (in) | Ship Weight (lbs) |
|---|---|---|---|---|---|---|---|
| LW081CS | 8,000 | 10.8 | 115 | 4-way | 6.8 | 13 7/8 x 20 3/32 x 19 3/8 | 76 |
| LW100CS | 10,000 | 11 | 115 | 4-way | 8.2 | 14 31/32 x 23 5/8 x 22 1/6 | 90 |
| LW120CS | 12,000 | 10.8 | 115 | 4-way | 10.2 | 14 31/32 x 23 5/8 x 22 1/6 | 90 |
| LW180CS | 18,000 | 9.7 | 208/230 | 4-way | 8.3 | 16 27/32 x 25 31/32 x 26 27x32 | 121 |
| LW240CS | 23,150 | 8.5 | 208/230 | 4-way | 13 | 17 2/3 x 25 31/32 x 28 | 146 |

***WHILE QUANTITIES LAST***

### SLIDER AIR CONDITIONERS

- Ultra-Quiet Operation
- Wide Air Discharge
- Energy Saver Function
- Fan/Cool Speed: 3/3
- 9.5 EER
- 4-Way Air Deflection
- Digital Timer up to 12 Hours
- Easy Installation - kit included
- Top Discharge
- Soft Touch Remote Control
- Temperature Setting by 1°C

| Order Number | BTU/hr | EER | Rated Voltage | Air Deflection | Amps | H x W x D (in) | Ship Weight (lbs) |
|---|---|---|---|---|---|---|---|
| LV080CE | 8,000 | 9.5 | 115 | 4-way | 7.8 | 20 1/2 x 14 1/2 x 23 | 83 |
| LV100CE | 10,000 | 9.5 | 115 | 4-way | 9.6 | 20 1/2 x 14 1/2 x 23 | 93 |
| LV120CE | 12,000 | 9.5 | 115 | 4-way | 11.5 | 20 1/2 x 14 1/2 x 23 | 95 |

***WHILE QUANTITIES LAST***

### THROUGH THE WALL AIR CONDITIONERS

- Gold Fin™ Anti-Corrosion Treatment
- Fan Mode
- 12-Hour on/off timer
- Cooling Mode
- Auto Sleep mode
- Wall Unit
- Heating Mode
- Auto Restart
- Remote Control & Batteries

| Order Number | BTU/hr | EER | Rated Voltage | Air Deflection | Amps | H x W x D (in) | Ship Weight (lbs) |
|---|---|---|---|---|---|---|---|
| LT080CSG | 8,000 | 9.6 | 115 | 4-way | 7.5 | 14 13/32 x 24 x 20 3/32 | 79 |
| LT121CSG | 11,700 | 9.4 | 115 | 4-way | 11.6 | 14 13/32 x 24 x 20 3/32 | 87 |

***WHILE QUANTITIES LAST***

# PORTABLE AND HORIZONTAL DISCHARGE AIR CONDITIONERS

## COMFORT-AIRE PORTABLE-AIRE

The unit moves easily from one space to another thanks to casters and built-in handholds. Dual hoses provide maximum efficiency – one 6 foot hose is used for air intake and the other for hot air exhaust. A condensate management system eliminates buckets that have to be emptied. Digital touchpad controls with remote.

| Order Number | BTU/hr | Square Feet | EER | Moisture Removal (pt/hr) | Ship Weight (lbs) |
|---|---|---|---|---|---|
| PE-91 | 9,000 | 400 | 8.5 | 2.5 | 95 |
| PE-121 | 12,000 | 550 | 8.5 | 2.8 | 97 |

## COMFORT-AIRE CNC SERIES SIDE DISCHARGE CONDENSING UNITS

CNC Series is one of the quietest outdoor condensing units available anywhere. The compact size and horizontal airflow design makes these units uniquely suitable for mounting near windows, under decks, on balconies, or traditional pads. Careful attention to design and manufacturing details and quality components and materials ensure trouble free operation and long life. 1 year parts and 5 year compressor warranty.

| | | | | | Connections (in) | | | |
|---|---|---|---|---|---|---|---|---|
| Order Number | BTU/hr | SEER | Electrical | dBA | Liquid | Suction | L x W x H (in) | Ship Weight (lbs) |
| CNC18 | 18,000 | 13 | 208/230 | 53.0 | 3/8 | 5/8 | 41 1/2 x 17 3/8 x 24 1/8 | 165 |
| CNC24 | 24,000 | 13 | 208/230 | 54.0 | 3/8 | 5/8 | 41 1/2 x 17 3/8 x 24 1/8 | 165 |
| CNC30 | 30,000 | 13 | 208/230 | 55.0 | 3/8 | 3/4 | 41 1/2 x 17 3/8 x 36 1/8 | 210 |
| CNC36 | 36,000 | 13 | 208/230 | 55.0 | 3/8 | 3/4 | 41 1/2 x 17 3/8 x 36 1/8 | 210 |
| CNC48 | 48,000 | 13 | 208/230 | 59.0 | 3/8 | 7/8 | 41 1/2 x 17 3/8 x 46 1/8 | 256 |
| CNC60 | 60,000 | 13 | 208/230 | 59.0 | 3/8 | 7/8 | 41 1/2 x 17 3/8 x 46 1/8 | 250 |

# SLIM DUCT

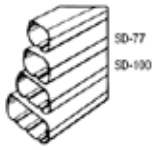
## LINESET DUCTING SYSTEM

***SlimDuct Lineset ducting system is a perfect blend of style, form and function. It is easy to install, easy to access and easy to look at!***

| Part Number | Sizes |
|---|---|
| SD-77 | 3" X 2 1/2" OD |
| SD-100 | 4" X 2 3/4" OD |

### Slimduct

| Order Number | Description |
|---|---|
| SD-77-W | Slimduct 78" - white |
| SD-77-B | Slimduct 78" - brown |
| SD-100-W | Slimduct 78" - white |




### Coupler

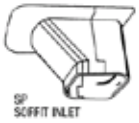
| Order Number | Description |
|---|---|
| SJ-77-W | Coupler - white |
| SJ-100-W | Coupler - white |

### Wall Inlet

| Order Number | Description |
|---|---|
| SW-77-W | Wall Inlet - white |
| SW-77-B | Wall Inlet - brown |
| SW-100-W | Wall Inlet - white |

### Soffit Inlet

| Order Number | Description |
|---|---|
| SP-100-W | Soffit Inlet - white |




### End Fitting

| Order Number | Description |
|---|---|
| SEN-77-W | End Fitting - white |
| SEN-100-W | End Fitting - white |

### 90° Flat ELL

| Order Number | Description |
|---|---|
| SK-77-W | 90° Flat ELL - white |
| SK-100-W | 90° Flat ELL - white |

### 45° Flat ELL

| Order Number | Description |
|---|---|
| SKF-77-W | 45° Flat ELL - white |
| SKF-100-W | 45° Flat ELL - white |

### 90° Vertical ELL

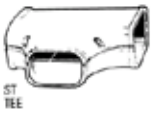
| Order Number | Description |
|---|---|
| SC-77-W | 90° Vertical ELL - white |
| SC-77-B | 90° Vertical ELL - brown |
| SC-100-W | 90° Vertical ELL - white |

### 45° Vertical ELL

| Order Number | Description |
|---|---|
| SCF-100-W | 45° Vertical ELL - white |

### Tee

| Order Number | Description |
|---|---|
| ST-100-W | Tee - white |




### Reducer

| Order Number | Description |
|---|---|
| SDR-100-77-W | Reducer - white |

### Vented Drain Wye

| Order Number | Description |
|---|---|
| DY-16 | Vented Drain Wye |

### Coupler 14J

| Order Number | Description |
|---|---|
| DSH-14J | Coupler |

### Drain Hose

| Order Number | Description |
|---|---|
| DH-16 | Standard Drain Hose - 164' |
| DSH-14 | Insulated Drain Hose - 65' |
| DSH-20N | Insulated Drain Hose - 65' |
| DSH-25N | Insulated Drain Hose - 65' |

### Wall Sleeve

| Order Number | Description |
|---|---|
| NFP-75 | Wall Sleeve 3" x 5" x 7" |

## MAYTAG M1200 AIR CONDITIONERS

### 16 SEER EXTRA HIGH EFFICIENCY AIR CONDITIONERS

**2 TO 5 TON - 208/230 1 PHASE**

**2 STAGE**

Maytag now offers you the choice of an air conditioner that uses a more efficient and environmentally friendly refrigerant designated Smart Cool 410™ (R410A). The PSA4BF Series of Maytag air conditioners offers exceptional performance. The unit, when combined with our engineered coils or air handlers, offers a line of quality, 16 SEER split system cooling equipment.

**Features:** Smart Cool 410™ Refrigerant (R410A); Copeland Scroll Ultra Tech™ Compressor; Comfort Alert™ Diagnostic Module; Quiet Plus™ Sound Package; Durable Attractive Stainless Steel Cabinet; Copper Tube / Aluminum Fin Coils; Low Pressure Switch; High Pressure Switch; Liquid Line Filter Drier; One Piece Top/Orifice; Easy Compressor and Control Access.

| | | | Connections (in) | | | |
|---|---|---|---|---|---|---|
| Order Number | Low Speed BTU/hr | High Speed BTU/hr | Liquid | Suction | W x H x D (in) | Ship Weight (lbs) |
| PSA4BF-024K | 18,000 | 24,000 | 3/8 | 3/4 | 31 1/4 x 37 x 31 1/4 | 260 |
| PSA4BF-036K | 25,000 | 36,000 | 3/8 | 7/8 | 31 1/4 x 45 x 31 1/4 | 272 |
| PSA4BF-048K | 35,000 | 48,000 | 3/8 | 7/8 | 31 1/4 x 45 x 31 1/4 | 282 |
| PSA4BF-060K | 42,000 | 57,000 | 3/8 | 7/8 | 31 1/4 x 45 x 31 1/4 | 296 |

### 14 SEER R410A HIGH EFFICIENCY AIR CONDITIONERS

**1 1/2 TO 5 TON - 208/230 1 PHASE**

Maytag now offers the choice of an air conditioner that uses a more efficient and environmentally friendly refrigerant designated R410A. The PSA4BE Series of air conditioners offers exceptional performance. The unit, when combined with our engineered coils or air handlers, offers a full line of quality, split system cooling equipment.

**Features:** Smart Cool 410™ Refrigerant (R410A); Quiet Plus™ Sound Package; Durable Attractive Stainless Steel Cabinet; Copper Tube / Aluminum Fin Coils; Low Pressure Switch; High Pressure Switch; Liquid Line Filter Drier; One Piece Top/Orifice; Easy Compressor and Control Access. ComfortAlert™ Module.

| | | Connections (in) | | | |
|---|---|---|---|---|---|
| Order Number | Cooling BTU/hr | Liquid | Suction | W x H x D (in) | Ship Weight (lbs) |
| PSA4BE-018K | 18,000 | 3/8 | 3/4 | 31 1/4 x 33 x 31 1/4 | 171 |
| PSA4BE-024K | 24,000 | 3/8 | 3/4 | 31 1/4 x 33 x 31 1/4 | 175 |
| PSA4BE-030K | 29,400 | 3/8 | 3/4 | 31 1/4 x 37 x 31 1/4 | 180 |
| PSA4BE-036K | 35,200 | 3/8 | 3/4 | 31 1/4 x 41 x 31 1/4 | 185 |
| PSA4BE-042K | 41,500 | 3/8 | 7/8 | 31 1/4 x 45 x 31 1/4 | 190 |
| PSA4BE-048K | 47,000 | 3/8 | 7/8 | 31 1/4 x 45 x 31 1/4 | 232 |
| PSA4BE-060K | 49,000 | 3/8 | 7/8 | 31 1/4 x 45 x 31 1/4 | 235 |

***Sold Exclusively to Maytag Dealers***

# MAYTAG AIR CONDITIONERS

### 13 SEER R410A HIGH EFFICIENCY AIR CONDITIONERS

**1 1/2 TO 5 TON - 208/230 1 PHASE**

Maytag now offers the choice of an air conditioner that uses a more efficient and environmentally friendly refrigerant designated R410A. The PSA4BD Series of air conditioners offers exceptional performance. The unit, when combined with our engineered coils or air handlers, offers a full line of quality, split system cooling equipment.

**Features:** Smart Cool 410™ Refrigerant (R410A); Quiet Plus™ Sound Package; Durable Attractive Stainless Steel Cabinet; Copper Tube / Aluminum Fin Coils; Low Pressure Switch; High Pressure Switch; Liquid Line Filter Drier; One Piece Top/Orifice; Easy Compressor and Control Access; ComfortAlert™ Module.

| | | Connections (in) | | | |
|---|---|---|---|---|---|
| Order Number | Cooling BTU/hr | Liquid | Suction | W x H x D (in) | Ship Weight (lbs) |
| PSA4BD-018KA | 18,000 | 3/8 | 3/4 | 23 1/4 x 24 1/4 x 23 1/4 | 114 |
| PSA4BD-024KA | 24,000 | 3/8 | 3/4 | 23 1/4 x 32 1/4 x 23 1/4 | 130 |
| PSA4BD-030KA | 30,000 | 3/8 | 3/4 | 23 1/4 x 36 1/4 x 23 1/4 | 144 |
| PSA4BD-036KA | 34,400 | 3/8 | 3/4 | 23 1/4 x 36 1/4 x 23 1/4 | 146 |
| PSA4BD-042KA | 41,600 | 3/8 | 7/8 | 31 1/4 x 33 x 31 1/4 | 196 |
| PSA4BD-048KA | 48,000 | 3/8 | 7/8 | 31 1/4 x 33 x 31 1/4 | 196 |
| PSA4BD-060KA | 60,000 | 3/8 | 7/8 | 31 1/4 x 45 x 31 1/4 | 228 |

## MAYTAG M120 AIR CONDITIONERS

### 14 SEER R410A HIGH EFFICIENCY AIR CONDITIONER

**1 1/2 TO 5 TON - 208/230 - 1 PHASE**

Maytag now offers the choice of an air conditioner that uses a more efficient and environmentally friendly refrigerant designated R410A. The DS4BE Series of air conditioners offers exceptional performance. The unit, when combined with our engineered coils or air handlers, offers a full line of quality, split system cooling equipment.

**Features:** Smart Cool 410™ Refrigerant (R410A); Copper Tube / Aluminum Fin Coils; Full Port Suction Valve; Steel Guard; High Pressure Switch; Liquid Line Filter Drier; One Piece Top/Orifice; 2 1/2" Pedestal Base; Easy Compressor and Control Access.

| | | Connections (in) | | | |
|---|---|---|---|---|---|
| Order Number | Cooling BTU/hr | Liquid | Suction | W x H x D (in) | Ship Weight (lbs) |
| DS4BE-018K | 18,000 | 3/8 | 3/4 | 30 1/2 x 30 1/2 x 30 1/2 | 171 |
| DS4BE-024K | 24,000 | 3/8 | 3/4 | 30 1/2 x 30 1/2 x 30 1/2 | 175 |
| DS4BE-030K | 29,400 | 3/8 | 3/4 | 30 1/2 x 34 1/2 x 30 1/2 | 180 |
| DS4BE-036K | 35,200 | 3/8 | 3/4 | 30 1/2 x 38 1/2 x 30 1/2 | 185 |
| DS4BE-042K | 41,500 | 3/8 | 7/8 | 30 1/2 x 42 1/2 x 30 1/2 | 190 |
| DS4BE-048K | 47,000 | 3/8 | 7/8 | 30 1/2 x 42 1/2 x 30 1/2 | 232 |
| DS4BE-060K | 59,000 | 3/8 | 7/8 | 30 1/2 x 42 1/2 x 30 1/2 | 235 |

***Sold Exclusively to Maytag Dealers***

## MAYTAG M120 AIR CONDITIONERS

### 13 SEER R410A AIR CONDITIONER

**1 1/2 TO 5 TON - 208/230 - 1 PHASE**

Maytag now offers the choice of an air conditioner that uses a more efficient and environmentally friendly refrigerant designated R410A. The DS4BD Series of air conditioners offers exceptional performance. The unit, when combined with engineered coils or air handlers, offers a full line of quality split system cooling equipment.

**Features:** Smart Cool 410™ Refrigerant (R410A); Copper Tube / Aluminum Fin Coils; Full Port Suction Valve; Steel Guard; High Pressure Switch; Liquid Line Filter Drier; One Piece Top/Orifice; 2 1/2" Pedestal Base; Easy Compressor and Control Access.

| | | Connections (in) | | | |
|---|---|---|---|---|---|
| Order Number | Cooling BTU/hr | Liquid | Suction | W x H x D (in) | Ship Weight (lbs) |
| DS4BD-018KA | 18,000 | 3/8 | 3/4 | 22 1/2 x 22 1/2 x 22 1/2 | 114 |
| DS4BD-024KA | 24,000 | 3/8 | 3/4 | 22 1/2 x 30 1/2 x 22 1/2 | 130 |
| DS4BD-030KA | 30,000 | 3/8 | 3/4 | 22 1/2 x 34 1/2 x 22 1/2 | 114 |
| DS4BD-036KA | 34,400 | 3/8 | 3/4 | 22 1/2 x 34 1/2 x 22 1/2 | 146 |
| DS4BD-042KA | 41,600 | 3/8 | 7/8 | 30 1/2 x 30 1/2 x 30 1/2 | 196 |
| DS4BD-048KA | 48,000 | 3/8 | 7/8 | 30 1/2 x 30 1/2 x 30 1/2 | 196 |
| DS4BD-060KA | 60,000 | 3/8 | 7/8 | 30 1/2 x 42 1/2 x 30 1/2 | 228 |

## MAYTAG EVAPORATOR COILS

### 16 SEER CASED COILS R410A TXV

**1 1/2 TO 5 TON**

| | | Connections (in)QA | | | |
|---|---|---|---|---|---|
| Order Number | Capacity BTU/hr | Liquid | Suction | Horizontal Drain Kit # | W x H x D (in) |
| C6BA-X26C-B | 24,000 | 3/8 | 3/4 | 920265 | 17 1/2 x 20 3/4 x 20 3/4 |
| C6BA-X36C-B | 36,000 | 3/8 | 7/8 | 920265 | 17 1/2 x 20 3/4 x 20 3/4 |
| C6BA-X48C-C | 48,000 | 3/8 | 7/8 | 920267 | 21 x 20 3/4 x 20 3/4 |
| C6BA-X60C-D | 60,000 | 3/8 | 7/8 | 920267 | 24 1/2 x 20 3/4 x 20 3/4 |

### 13/14 SEER CASED COILS R410A TXV

**1 1/2 TO 5 TON**

| | | Connections (in) | | |
|---|---|---|---|---|
| Order Number | Cooling BTU/hr | Liquid | Suction | W x H x D (in) |
| C6BA-X24C-A | 24,000 | 3/8 | 3/4 | 14 1/4 x 20 3/4 x 20 3/4 |
| C6BA-X24C-B | 24,000 | 3/8 | 3/4 | 17 1/2 x 20 3/4 x 20 3/4 |
| C6BA-X30C-A | 30,000 | 3/8 | 3/4 | 14 1/4 x 20 3/4 x 20 3/4 |
| C6BA-X30C-B | 30,000 | 3/8 | 3/4 | 17 1/2 x 20 3/4 x 20 3/4 |
| C6BA-X36C-B | 36,000 | 3/8 | 7/8 | 17 1/2 x 26 3/4 x 20 3/4 |
| C6BA-X36C-C | 36,000 | 3/8 | 7/8 | 21 x 26 3/4 x 20 3/4 |
| C6BA-X42C-B | 42,000 | 3/8 | 7/8 | 17 1/2 x 26 3/4 x 20 3/4 |
| C6BA-X42C-C | 42,000 | 3/8 | 7/8 | 21 x 26 3/4 x 20 3/4 |
| C6BA-X48C-C | 48,000 | 3/8 | 7/8 | 21 x 30 1/4 x 20 3/4 |
| C6BA-X48C-D | 48,000 | 3/8 | 7/8 | 24 1/2 x 30 1/4 x 20 3/4 |
| C6BA-X60C-C | 60,000 | 3/8 | 7/8 | 21 x 30 1/4 x 20 3/4 |
| C6BA-X60C-D | 60,000 | 3/8 | 7/8 | 24 1/2 x 30 1/4 x 20 3/4 |

***Sold Exclusively to Maytag Dealers***

# MAYTAG HEAT PUMPS

## MAYTAG M1200 HEAT PUMPS

### 15 SEER R410A ULTRA HIGH EFFICIENCY HEAT PUMPS

**2 TO 5 TONS - 208/230 1 PHASE**

**2 STAGE**

Maytag now offers the choice of a heat pump that uses a more efficient and environmentally friendly refrigerant designated Smart Cool 410™ (R410A). The PSH4BF Series of Maytag heat pumps offers exceptional performance as well as environmental protection. These models, when matched with our variable speed air handlers or variable speed equipped gas furnaces, offer a line of high quality heat pump rated up to 15+ SEER and 8.5 HSPF.

**Features:** Smart Cool 410™ Refrigerant (R410A); Comfort Alert™ Diagnostic Module; Copeland Scroll Ultra Tech™ Compressor; Quiet Plus™ Sound Package; Designed using Stainless Steel; Copper Tube / Aluminum Fin Coils; Time / Temperature Defrost; High Pressure Switch; Low Pressure Control; Liquid Line Filter Drier; Five Minute Restart Time Delay; Suction Accumulator and Crankcase Heat; Hot Gas Muffler.

| | | | Connections (in) | | | |
|---|---|---|---|---|---|---|
| Order Number | Low Speed BTU/hr | High Speed BTU/hr | Liquid | Suction | W x H x D (in) | Ship Weight (lbs) |
| PSH4BF-024K | 18,000 | 24,000 | 3/8 | 3/4 | 31 1/4 x 41 x 31 1/4 | 265 |
| PSH4BF-036K | 24,000 | 35,000 | 3/8 | 7/8 | 31 1/4 x 45 x 31 1/4 | 289 |
| PSH4BF-048K | 33,000 | 46,000 | 3/8 | 7/8 | 31 1/4 x 45 x 31 1/4 | 289 |
| PSH4BF-060K | 39,000 | 56,000 | 3/8 | 7/8 | 31 1/4 x 45 x 31 1/4 | 313 |

### 14 SEER R410A HIGH EFFICIENCY HEAT PUMPS

**1 1/2 TO 5 TONS 208/230 1 PHASE**

Maytag now offers the choice of a heat pump that uses a more efficient and environmentally friendly refrigerant designated R410A. The PSH4BE Series of heat pumps offers exceptional performance from a small, compact package. The unit, when combined with our engineered coils or air handlers, offers a full line of quality, split system cooling equipment.

**Features:** Smart Cool 410™ Refrigerant (R410A); Comfort Alert™ Module; Durable attractive Stainless Steel Cabinet; Quiet Plus™ Sound Package; Copper Tube / Aluminum Fin Coils; High Pressure Switch; Low Pressure Control; Liquid Line Filter Drier; Five Minute Restart Time Delay; Easy Compressor and Control Access.

| Order Number | Cooling BTU/hr | W x H x D (in) |
|---|---|---|
| PSH4BE-018K | 18,000 | 31 1/4 x 45 x 31 1/4 |
| PSH4BE-024K | 23,200 | 31 1/4 x 45 x 31 1/4 |
| PSH4BE-030K | 28,000 | 31 1/4 x 45 x 31 1/4 |
| PSH4BE-036K | 34,400 | 31 1/4 x 45 x 31 1/4 |
| PSH4BE-042K | 39,000 | 31 1/4 x 45 x 31 1/4 |
| PSH4BE-048K | 45,500 | 31 1/4 x 45 x 31 1/4 |
| PSH4BE-060K | 59,000 | 31 1/4 x 45 x 31 1/4 |

### 13 SEER R410A HIGH EFFICIENCY HEAT PUMPS

**1 1/2 TO 5 TONS 208/230 1 PHASE**

Maytag now offers the choice of a heat pump that uses a more efficient and environmentally friendly refrigerant designated R410A. The PSH4BD Series of heat pumps offers exceptional performance from a small, compact package. The unit, when combined with our engineered coils or air handlers, offers a full line of quality, split system cooling equipment.

**Features:** Smart Cool 410™ Refrigerant (R410A); Comfort Alert™ Module; Durable attractive Stainless Steel Cabinet; Quiet Plus™ Sound Package; Copper Tube / Aluminum Fin Coils; High Pressure Switch; Low Pressure Control; Liquid Line Filter Drier; Five Minute Restart Time Delay.

| | | Connections (in) | | | |
|---|---|---|---|---|---|
| Order Number | Cooling BTU/hr | Liquid | Suction | W x H x D (in) | Ship Weight (lbs) |
| PSH4BD-018K | 18,000 | 3/8 | 3/4 | 31 1/4 x 33 x 31 1/4 | 175 |
| PSH4BD-024K | 23,600 | 3/8 | 3/4 | 31 1/4 x 37 x 31 1/4 | 180 |
| PSH4BD-030K | 29,400 | 3/8 | 3/4 | 31 1/4 x 41 x 31 1/4 | 185 |
| PSH4BD-036K | 35,400 | 3/8 | 7/8 | 31 1/4 x 45 x 31 1/4 | 190 |
| PSH4BD-042K | 39,600 | 3/8 | 7/8 | 31 1/4 x 41 x 31 1/4 | 260 |
| PSH4BD-048K | 48,000 | 3/8 | 7/8 | 31 1/4 x 45 x 31 1/4 | 295 |
| PSH4BD-060K | 59,500 | 3/8 | 7/8 | 31 1/4 x 45 x 31 1/4 | 305 |

***Sold Exclusively to Maytag Dealers***

### 15/16 R410A TXV MULTI-POISE VARIABLE SPEED AIR HANDLERS

**2 TO 5 TONS 208/230 1 PHASE**

The PAH4VMX Series of air handlers, when combined with our heat pump or air conditioner, offers a full line of quality, split system heating and cooling equipment.

| | | Connections (in) | | | | |
|---|---|---|---|---|---|---|
| Order Number | Capacity BTU/hr | Liquid | Suction | Supply Duct (in) | W x H x D (in) | Ship Weight (lbs) |
| PAH4VM-X24KB | 24,000 | 3/8 | 3/4 | 12 7/8 x 18 3/4 | 19 3/4 x 43 1/2 x 18 1/4 | 120 |
| PAH4VM-X36KB | 36,000 | 3/8 | 7/8 | 12 7/8 x 18 3/4 | 19 3/4 x 49 1/2 x 21 | 140 |
| PAH4VM-X48KC | 48,000 | 3/8 | 7/8 | 12 7/8 x 21 | 22 1/2 x 56 x 21 | 170 |
| PAH4VM-X60KC | 60,000 | 3/8 | 7/8 | 12 7/8 x 21 | 22 1/2 x 56 x 21 | 170 |

### 13/14 SEER R410A TXV MULTI-POISE FIXED SPEED AIR HANDLERS

**1 1/2 TO 5 TONS 208/230 1 PHASE**

The PAH2BM Series of air handlers, when combined with our heat pump or air conditioner, offers a full line of quality, split system heating and cooling equipment.

| | | Connections (in) | | | | |
|---|---|---|---|---|---|---|
| Order Number | Capacity BTU/hr | Liquid | Suction | Supply Duct (in) | W x H x D (in) | Ship Weight (lbs) |
| PAH2BM-X25KA | 24,000 | 3/8 | 3/4 | 12 7/8 x 12 3/4 | 14 1/4 x 43 3/8 x 22 | 87 |
| PAH2BM-X30KA | 30,000 | 3/8 | 3/4 | 12 7/8 x 12 3/4 | 14 1/4 x 43 3/8 x 22 | 90 |
| PAH2BM-X30KB | 30,000 | 3/8 | 3/4 | 12 7/8 x 18 1/4 | 19 3/4 x 43 3/8 x 22 | 110 |
| PAH2BM-X36KB | 36,000 | 3/8 | 3/4 | 12 7/8 x 18 1/4 | 19 3/4 x 43 3/8 x 22 | 110 |
| PAH2BM-X42KB | 42,000 | 3/8 | 7/8 | 12 7/8 x 18 1/4 | 19 3/4 x 49 3/8 x 22 | 130 |
| PAH2BM-X49KC | 48,000 | 3/8 | 7/8 | 12 7/8 x 21 | 22 1/2 x 56 x 22 | 150 |
| PAH2BM-X60KC | 60,000 | 3/8 | 7/8 | 12 7/8 x 21 | 22 1/2 x 56 x 22 | 155 |

***Sold Exclusively to Maytag Dealers***

# MAYTAG FURNACES

## MAYTAG M1200 95.1 AFUE FURNACES

### 2 STAGE VARIABLE SPEED HIGH EFFICIENCY UPFLOW / HORIZONTAL

The high efficiency gas furnace may be installed free standing in a utility room, basement, or enclosed in an alcove or closet. The rounded corner jacket provides a pleasing “appliance appearance”. Design certified by CSA for application in Canada and the United States.

**Features:** i SEER™; Two Stage Inducer; 30 Second Blower Delay; 30 Second Post Purge; High Static Blowers; Low Boy Height; 90 Second Fixed Cooling Cycle Blower-off Delay (TDR); Diagnostic Lights for Easy Troubleshooting without Counting Flashes; Sealed Vestibule.

| Order Number | High Fire Input | Low Fire Input | W x H x D (in) | Ship Weight (lbs) |
|---|---|---|---|---|
| PGC2TC-060D-VB | 60,000 | 39,000 | 15 7/8 x 34 1/2 x 28 | 125 |
| PGC2TC-080D-VC | 80,000 | 52,000 | 21 x 34 1/2 x 28 | 135 |
| PGC2TC-100D-VC | 100,000 | 65,000 | 21 x 34 1/2 x 28 | 145 |
| PGC2TC-120D-VD | 120,000 | 78,000 | 24 1/2 x 34 1/2 x 28 | 160 |

## MAYTAG M120 95.1 AFUE FURNACES

### 2 STAGE FIXED SPEED HIGH EFFICIENCY UPFLOW / HORIZONTAL

The high efficiency gas furnace may be installed free standing in a utility room, basement, or enclosed in an alcove or closet. The rounded corner jacket provides a pleasing “appliance appearance”. Design certified by CSA for application in Canada and the United States.

**Features:** i SEER™; Two Stage Inducer; 30 Second Blower Delay; 30 Second Post Purge; High Static Blowers; Low Boy Height; 90 Second Fixed Cooling Cycle Blower-off Delay (TDR); Diagnostic Lights for Easy Troubleshooting without Counting Flashes; Sealed Vestibule.

| Order Number | Input BTU/hr | Output BTU/hr | W x H x D (in) | Ship Weight (lbs) |
|---|---|---|---|---|
| MGC2TC-060D-24B | 60,000 | 57,000 | 17 1/2 x 34 1/2 x 28 | 125 |
| MGC2TC-080D-35C | 80,000 | 76,000 | 21 x 34 1/2 x 28 | 135 |
| MGC2TC-100D-35C | 100,000 | 95,000 | 21 x 34 1/2 x 28 | 145 |
| MGC2TC-120D-45D | 120,000 | 114,000 | 24 1/2 x 34 1/2 x 28 | 160 |

**Note:** Upgradable to variable speed with a 904880 Kit.

## MAYTAG M120 92+ AFUE FURNACES

### FIXED SPEED HIGH EFFICIENCY UPFLOW / HORIZONTAL

The high efficiency gas furnace may be installed free standing in a utility room, basement, or enclosed in an alcove or closet. The rounded corner jacket provides a pleasing “appliance appearance”. Design certified by CSA for application in Canada and the United States.

**Features:** 100% Fired and Tested; 30 Second Blower Delay; 30 Second Post Purge; Flexible category IV venting system; High Static Blowers; Low Boy Height; 90 Second Fixed Cooling Cycle Blower-off Delay (TDR); Multi-Speed Direct Drive Blower; Diagnostic Lights for Easy Troubleshooting; Incorporates Integrated Control Board.

| Order Number | High Fire Input | Output BTU/hr | W x H x D (in) | Ship Weight (lbs) |
|---|---|---|---|---|
| MGC2SC-038D-23A | 38,000 | 35,000 | 14 1/4 x 34 1/2 x 28 | 100 |
| MGC2SC-054D-24B | 54,000 | 49,700 | 17 1/2 x 34 1/2 x 28 | 120 |
| MGC2SC-072D-24B | 72,000 | 66,000 | 17 1/2 x 34 1/2 x 28 | 125 |
| MGC2SC-072D-35C | 72,000 | 66,000 | 21 x 34 1/2 x 28 | 130 |
| MGC2SC-090D-35C | 90,000 | 82,000 | 21 x 34 1/2 x 28 | 135 |
| MGC2SC-108D-45D | 108,000 | 99,000 | 24 1/2 x 34 1/2 x 28 | 155 |
| MGC2SC-120D-45D | 120,000 | 110,400 | 24 1/2 x 34 1/2 x 28 | 155 |

***Sold Exclusively to Maytag Dealers***

## MAYTAG M120 95.1 AFUE FURNACES

### FIXED SPEED HIGH EFFICIENCY DOWNFLOW

The high efficiency gas furnace may be installed free standing in a utility room, basement, or enclosed in an alcove or closet. The rounded corner jacket provides a pleasing “appliance appearance”. Design certified by CSA for application in Canada and the United States.

**Features:** 100% Fired and Tested; 30 Second Blower Delay; 30 Second Post Purge; Flexible category IV venting system; High Static Blowers; Low Boy Height; 90 Second Fixed Cooling Cycle Blower-off Delay (TDR); Multi-Speed Direct Drive Blower; Diagnostic Lights for Easy Troubleshooting; Incorporates Integrated Control Board.

| Order Number | High Fire Input BTU/hr | Output BTU/hr | Motor FLA | W x H x D (in) | Ship Weight (lbs) |
|---|---|---|---|---|---|
| MGC2TL-060D-24B | 38,000 | 35,000 | 4.8 | 17 1/2 x 34 1/2 x 28 | 100 |
| MGC2TL-080D-35C | 54,000 | 49,700 | 8.2 | 21 x 34 1/2 x 28 | 120 |
| MGC2TL-100D-35C | 72,000 | 66,000 | 8.2 | 21 x 34 1/2 x 28 | 125 |
| MGC2TL-120D-45D | 72,000 | 66,000 | 7.5 | 24 1/2 x 34 1/2 x 28 | 130 |

**Note:** Upgradable to variable speed with a 904880 Kit.

## MAYTAG M1200 80+ AFUE FURNACES

### 2 STAGE FIXED SPEED HIGH EFFICIENCY UPFLOW / HORIZONTAL

The high efficiency gas furnace may be installed free standing in a utility room, basement, or enclosed in an alcove or closet. The rounded corner jacket provides a pleasing “appliance appearance”. Design certified by CSA for Canada and the United States.

**Features:** i SEER™; Two Stage Inducer; 100% fired and tested; 30 Second Blower Delay; 30 Second Post Purge; High Static Blowers; Low Boy Height; 90 Second Cooling Cycle Blower-off Delay (TDR); Multi-speed Direct Drive Blower; Diagnostic Lights for Easy Troubleshooting without Counting Flashes; Integrated Control Board; 2 Stage Inducer.

| Order Number | High Fire Input BTU/hr | Output BTU/hr | Motor FLA | W x H x D (in) | Ship Weight (lbs) |
|---|---|---|---|---|---|
| PGC2TA-060C-23A | 60,000 | 48,000 | 6.2 | 14 1/4 x 34 1/2 x 28 | 115 |
| PGC2TA-080C-24B | 80,000 | 52,000 | 6.2 | 17 1/2 x 34 1/2 x 28 | 110 |
| PGC2TA-100C-24B | 100,000 | 80,000 | 6.2 | 17 1/2 x 34 1/2 x 28 | 120 |
| PGC2TA-100C-35C | 100,000 | 80,000 | 8.7 | 21 x 34 1/2 x 28 | 125 |
| PGC2TA-120C-35C | 120,000 | 78,000 | 8.7 | 21 x 34 1/2 x 28 | 135 |
| PGC2TA-140C-45D | 140,000 | 91,000 | 11.7 | 24 1/2 x 34 1/2 x 28 | 155 |

**Note:** Upgradable to variable speed with a 904880 Kit.

***Sold Exclusively to Maytag Dealers***

# MAYTAG FURNACES

## MAYTAG M120 80+ AFUE FURNACES

### FIXED SPEED HIGH EFFICIENCY UPFLOW / HORIZONTAL

The high efficiency gas furnace may be installed free standing in a utility room, basement, or enclosed in an alcove or closet. The rounded corner jacket provides a pleasing “appliance appearance”. Design certified by CSA for Canada and the United States.

**Features:** 100% fired and tested; 30 Second Blower Delay at Start-up; 30 Second Post Purge; High Static Blowers; Low Boy Height; 90 Second Cooling Cycle Blower-off Delay (TDR); Multi-speed Direct Drive Blower; Diagnostic Lights for Easy Troubleshooting without Counting Flashes; Integrated Control Board.

| Order Number | High Fire Input BTU/hr | Output BTU/hr | W x H x D (in) | Ship Weight (lbs) |
|---|---|---|---|---|
| MGC2SA-045C-23A | 45,000 | 36,000 | 14 1/4 x 34 1/2 x 28 | 100 |
| MGC2SA-054C-23A | 54,000 | 43,200 | 14 1/4 x 34 1/2 x 28 | 100 |
| MGC2SA-072C-24B | 72,000 | 57,600 | 17 1/2 x 34 1/2 x 28 | 110 |
| MGC2SA-072C-35C | 72,000 | 57,600 | 17 1/2 x 34 1/2 x 28 | 115 |
| MGC2SA-090C-24B | 90,000 | 72,000 | 21 x 34 1/2 x 28 | 115 |
| MGC2SA-090C-35C | 90,000 | 72,000 | 21 x 34 1/2 x 28 | 120 |
| MGC2SA-108C-35C | 108,000 | 86,400 | 21 x 34 1/2 x 28 | 125 |
| MGC2SA-126C-45D | 126,000 | 100,800 | 24 1/2 x 34 1/2 x 28 | 145 |

## MAYTAG M1200 80+ AFUE FURNACES

### 2 STAGE DOWNFLOW

The high efficiency gas furnace may be installed free standing in a utility room, basement, or enclosed in an alcove or closet. The rounded corner jacket provides a pleasing “appliance appearance”. Design certified by CSA for Canada and the United States.

**Features:** i SEER; 100% fired and tested; 30 Second Blower Delay at Start-up; 30 Second Post Purge; High Static Blowers; Low Boy Height; 90 Second Cooling Cycle Blower-off Delay (TDR); Multi-speed Direct Drive Blower; Diagnostic Lights for Easy Troubleshooting without Counting Flashes; Integrated Control Board; 2 Stage Inducer.

| Order Number | Input BTU/hr | Output BTU/hr | Motor FLA | W x H x D (in) | Ship Weight (lbs) |
|---|---|---|---|---|---|
| PGC2TK-060C-23A | 60,000 | 48,000 | 6.2 | 14 1/4 x 34 1/2 x 28 | 115 |
| PGC2TK-080C-24B | 80,000 | 52,000 | 6.2 | 17 1/2 x 34 1/2 x 28 | 110 |
| PGC2TK-100C-24B | 100,000 | 80,000 | 6.2 | 17 1/2 x 34 1/2 x 28 | 120 |
| PGC2TK-100C-35C | 100,000 | 80,000 | 8.7 | 21 x 34 1/2 x 28 | 125 |
| PGC2TK-120C-35C | 120,000 | 78,000 | 8.7 | 21 x 34 1/2 x 28 | 135 |
| PGC2TK-140C-45D | 140,000 | 91,000 | 11.7 | 24 1/2 x 34 1/2 x 28 | 155 |

**Note:** Upgradable to variable speed with a 904880 Kit.

***Sold Exclusively to Maytag Dealers***

## MAYTAG M1200 OIL FURNACES

### HIGHBOY/HORIZONTAL

**FRONT FLUE OUTLET**

The heart of the POF series furnace with variable speed blower is the ECM motor (electronically commutated motor). The ECM consists of a brushless DC type motor with a microprocessor based variable speed drive. The drive continuously monitors RPM and torque output of the motor. This information is fed into pre-programmed algorithms in the microprocessor for correct motor output to maintain constant airflow regardless of external static pressure. The microprocessor stores delay profiles to optimize the efficiency and performance of the split system. The variable speed blower steps through intermediate airflows during the on and off profiles. This results in smoother, more efficient operation with quiet, gradual starts and stops.

| Order Number | Input BTU/hr | Heating Capacity BTU/hr | W x H x D (in) | Ship Weight (lbs) |
|---|---|---|---|---|
| POF1HD-091AVF | 70,000 | 58,000 | 22 x 50 1/2 x 31 | 190 |
| POF1HD-140AVF | 105,000 | 87,700 | 22 x 58 1/2 x 31 | 270 |

## MAYTAG M120 OIL FURNACES

### HIGH BOY/HORIZONTAL

**FRONT FLUE OUTLET**

The O4 Series Oil Furnace combines time proven design in the Classic Low Boy, High Boy, and downflow configurations. The High Boy and downflow models can be configured for horizontal applications. The units are multi-fired for a wide range of outputs (.50 to 2.0 G.P.H. depending on model). Classic design, versatility and reliability are important attributes that oil heat professionals have come to rely upon.

| Order Number | Output BTU/hr | Blower CFM | W x H x D (in) | Ship Weight (lbs) |
|---|---|---|---|---|
| O4HD-091A-12-FA | 58,000 | 960 | 22 x 49 5/8 x 31 | 250 |
| O4HD-140A-16-FA | 90,000 | 1,305 | 22 x 58 x 31 | 270 |

## MAYTAG M120 OIL FURNACES

### LOW BOY

**FRONT FLUE OUTLET**

The O4 Series Oil Furnace combines time proven design in the Classic Low Boy, High Boy, and downflow configurations. The High Boy and downflow models can be configured for horizontal applications. The units are multi-fired for a wide range of outputs (.50 to 2.0 G.P.H. depending on model). Classic design, versatility and reliability are important attributes that oil heat professionals have come to rely upon.

| Order Number | Output BTU/hr | Blower CFM | W x H x D (in) | Ship Weight (lbs) |
|---|---|---|---|---|
| O4LD-140A-16-F | 79,000 | 665 | 22 x 41 x 51 1/2 | 290 |
| O4LD-168A-16-F | 130,000 | 665 | 22 x 41 x 51 1/2 | 290 |

***Sold Exclusively to Maytag Dealers***

# MAYTAG OIL FURNACES

## MAYTAG M120 OIL FURNACES

### LOW BOY

**REAR FLUE OUTLET**

The O4 Series Oil Furnace combines time proven design in the Classic Low Boy, High Boy, and downflow configurations. The High Boy and downflow models can be configured for horizontal applications. The units are multi-fired for a wide range of outputs (.50 to 2.0 G.P.H. depending on model). Classic design, versatility and reliability are important attributes that oil heat professionals have come to rely upon.

| Order Number | Output BTU/hr | Blower CFM | W x H x D (in) | Ship Weight (lbs) |
|---|---|---|---|---|
| O4LD-098A-12-R | 60,000 | 644 | 22 x 32 x 51 1/2 | 240 |
| O4LD-140A-16-R | 79,000 | 665 | 22 x 41 x 51 1/2 | 290 |
| O4LD-168A-16-R | 130,000 | 665 | 22 x 41 x 51 1/2 | 290 |

### DOWNFLOW/HORIZONTAL

**FRONT FLUE OUTLET**

The O4 Series Oil Furnace combines time proven design in the Classic Low Boy, High Boy, and downflow configurations. The High Boy and downflow models can be configured for horizontal applications. The units are multi-fired for a wide range of outputs (.50 to 2.0 G.P.H. depending on model). Classic design, versatility and reliability are important attributes that oil heat professionals have come to rely upon.

| Order Number | High Fire Input BTU/hr | Low Fire Input | W x H x D (in) | Ship Weight (lbs) |
|---|---|---|---|---|
| O4MD-091A-12-FA | 58,000 | 960 | 22 x 49 5/8 x 31 | 250 |
| O4MD-140A-16-FA | 90,000 | 1,305 | 22 x 58 x 31 | 270 |

## MAYTAG FURNACE ACCESSORIES

| Order Number | Description |
|---|---|
| 1056-2-2 | Fernco 2” x 2” rubber neoprene vent coupling c/w clamp |
| 1056-3-2 | Fernco 3” x 2” rubber neoprene vent coupling c/w clamp |
| 1056-3-3 | Fernco 3” x 3” rubber neoprene vent coupling c/w clamp |
| 16X25X1 | External side return filter rack (spinnaker) |
| 904880 | Fixed Speed - to - variable speed MGC2TA/TK Kits |
| 902974 | “A” Cabinet downflow sub base kit MGC2TA/TK Kits |
| 904911 | “B”, “C”, “D” Cabinet downflow sub base kit MGC2TA/TK Kits |
| 904915 | Canada LP Conversion kit (0 to 4,500 ft) MGC2TA/TK Kits |
| 541036 | Side Return Filter Kit MGC2TA/TK Kits |
| 904177 | 2” Concentric Vent Kit MGC2TC/CL Kits |
| 904176 | 3” Concentric Vent Kit MGC2TC/CL Kits |
| 904617 | 2” Side Wall Vent Kit MGC2TC/CL Kits |
| 904347 | 3” Side Wall Vent Kit MGC2TC/CL Kits |
| 902377 | Neutralizer Kit MGC2TC/CL Kits |

***Sold Exclusively to Maytag Dealers***

## DS4BE SERIES 14 SEER R410A HIGH EFFICIENCY AIR CONDITIONERS

**SIZES 1 1/2 - 5 TON - 208/230 - 1 PHASE**

The DS4BE Series now offers the choice of an air conditioner that uses a more efficient and environmentally friendly refrigerant designated R410A. The DS4BE Series of air conditioners offers exceptional performance. The unit, when combined with our engineered coils or air handlers, offers a full line of quality, split system cooling equipment

***10-Year Warranty***

| | | Connections (in) | | | |
|---|---|---|---|---|---|
| **Order Number** | **Cooling BTU/hr** | **Liquid** | **Suction** | **W x H x D (in)** | **Ship Weight (lbs)** |
| DS4BE018KA | 18,000 | 3/8 | 3/4 | 30 1/2 x 30 1/2 x 30 1/2 | 171 |
| DS4BE024KA | 24,000 | 3/8 | 3/4 | 30 1/2 x 30 1/2 x 30 1/2 | 175 |
| DS4BE030KA | 30,000 | 3/8 | 3/4 | 34 1/2 x 30 1/2 x 30 1/2 | 180 |
| DS4BE036KA | 36,000 | 3/8 | 3/4 | 38 1/2 x 30 1/2 x 30 1/2 | 185 |
| DS4BE042KA | 42,000 | 3/8 | 7/8 | 42 1/2 x 30 1/2 x 30 1/2 | 190 |
| DS4BE048KA | 48,000 | 3/8 | 7/8 | 42 1/2 x 30 1/2 x 30 1/2 | 232 |
| DS4BE060KA | 60,000 | 3/8 | 7/8 | 42 1/2 x 30 1/2 x 30 1/2 | 235 |

## JS5BD SERIES 13 SEER R22 HIGH EFFICIENCY AIR CONDITIONERS

**1 1/2 TO 5 TON - 208/230 - 1 PHASE**

The JS5BD series of air conditioners offers exceptional performance. The unit, when combined with our engineered coils or air handlers, offers a line of quality, split system cooling equipment. Rated at 13 SEER when matched with our air handler and coils. When matched with our variable speed air handler, or our variable speed blower kits, the JS5BD is rated up to 14 SEER. Units are ideally sized for slab or rooftop mounting. Gibson 13-16 SEER Air Conditioners and Heat Pumps, Coils and Air Handlers offer a 10-year limited warranty that covers all parts.

***10-Year Warranty***

| | | Connections (in) | | | |
|---|---|---|---|---|---|
| **Order Number** | **Cooling BTU/hr** | **Liquid** | **Suction** | **W x H x D (in)** | **Ship Weight (lbs)** |
| JS5BD018KA | 17,700 | 3/8 | 3/4 | 22 1/2 x 22 1/2 x 22 1/2 | 107 |
| JS5BD024KA | 25,000 | 3/8 | 3/4 | 26 1/2 x 22 1/2 x 22 1/2 | 117 |
| JS5BD030KA | 30,000 | 3/8 | 3/4 | 34 1/2 x 22 1/2 x 22 1/2 | 129 |
| JS5BD036KA | 36,000 | 3/8 | 3/4 | 34 1/2 x 22 1/2 x 22 1/2 | 129 |
| JS5BD042KA | 40,000 | 3/8 | 7/8 | 30 1/2 x 30 1/2 x 30 1/2 | 162 |
| JS5BD048KA | 48,000 | 3/8 | 7/8 | 30 1/2 x 30 1/2 x 30 1/2 | 183 |
| JS5BD060KA | 56,000 | 3/8 | 1 1/8 | 42 1/2 x 30 1/2 x 30 1/2 | 238 |

# GIBSON EVAPORATOR COILS

**14 SEER CASED COILS R410A TXV**

**1 1/2 TO 5 TON**

| | | Connections (in) | | |
|---|---|---|---|---|
| **Order Number** | **Cooling BTU/hr** | **Liquid** | **Suction** | **W x H x D (in)** |
| C6BA-X24C-A | 24,000 | 3/8 | 3/4 | 14 1/4 x 20 3/4 x 20 3/4 |
| C6BA-X24C-B | 24,000 | 3/8 | 3/4 | 17 1/2 x 20 3/4 x 20 3/4 |
| C6BA-X30C-A | 30,000 | 3/8 | 3/4 | 14 1/4 x 20 3/4 x 20 3/4 |
| C6BA-X30C-B | 30,000 | 3/8 | 3/4 | 17 1/2 x 20 3/4 x 20 3/4 |
| C6BA-X36C-B | 36,000 | 3/8 | 7/8 | 17 1/2 x 26 3/4 x 20 3/4 |
| C6BA-X36C-C | 36,000 | 3/8 | 7/8 | 21 x 26 3/4 x 20 3/4 |
| C6BA-X42C-B | 42,000 | 3/8 | 7/8 | 17 1/2 x 26 3/4 x 20 3/4 |
| C6BA-X42C-C | 42,000 | 3/8 | 7/8 | 21 x 26 3/4 x 20 3/4 |
| C6BA-X48C-C | 48,000 | 3/8 | 7/8 | 21 x 30 1/4 x 20 3/4 |
| C6BA-X48C-D | 48,000 | 3/8 | 7/8 | 24 1/2 x 30 1/4 x 20 3/4 |
| C6BA-X60C-C | 60,000 | 3/8 | 7/8 | 21 x 30 1/4 x 20 3/4 |
| C6BA-X60C-D | 60,000 | 3/8 | 7/8 | 24 1/2 x 30 1/4 x 20 3/4 |

# GIBSON EVAPORATOR COILS

**13 SEER CASED COILS R22 TXV**

**1 1/2 TO 5 TON**

| | | Connections (in) | | |
|---|---|---|---|---|
| **Order Number** | **Cooling BTU/hr** | **Liquid** | **Suction** | **W x H x D (in)** |
| C6BA-T24C-A | 24,000 | 3/8 | 3/4 | 14 1/4 x 20 3/4 x 20 3/4 |
| C6BA-T24C-B | 24,000 | 3/8 | 3/4 | 17 1/2 x 20 3/4 x 20 3/4 |
| C6BA-T30C-A | 30,000 | 3/8 | 3/4 | 14 1/4 x 20 3/4 x 20 3/4 |
| C6BA-T30C-B | 30,000 | 3/8 | 3/4 | 17 1/2 x 20 3/4 x 20 3/4 |
| C6BA-T36C-B | 36,000 | 3/8 | 7/8 | 17 1/2 x 26 3/4 x 20 3/4 |
| C6BA-T36C-C | 36,000 | 3/8 | 7/8 | 21 x 26 3/4 x 20 3/4 |
| C6BA-T42C-B | 42,000 | 3/8 | 7/8 | 17 1/2 x 26 3/4 x 20 3/4 |
| C6BA-T42C-C | 42,000 | 3/8 | 7/8 | 21 x 26 3/4 x 20 3/4 |
| C6BA-T48C-C | 48,000 | 3/8 | 7/8 | 21 x 30 1/4 x 20 3/4 |
| C6BA-T48C-D | 48,000 | 3/8 | 7/8 | 24 1/2 x 30 1/4 x 20 3/4 |
| C6BA-T60C-C | 60,000 | 3/8 | 7/8 | 21 x 30 1/4 x 20 3/4 |
| C6BA-T60C-D | 60,000 | 3/8 | 7/8 | 24 1/2 x 30 1/4 x 20 3/4 |

# GIBSON HEAT PUMPS

**DT4BE SERIES 14 SEER R410A HIGH EFFICIENCY HEAT PUMPS**

***10-Year Warranty***

**1 1/2 TO 5 TON - 208/230 - 1 PHASE**

The DT4BE Series now offers the choice of a heat pump that uses a more efficient and environmentally friendly refrigerant designated R410A. The DT4BE Series of heat pumps offers exceptional performance. The unit, when combined with our engineered coils or air handlers, offers a full line of quality, split system cooling and heating equipment. The DT4BE is rated at 14 SEER and 8.5 HSPF when matched with our air handlers. When matched with our variable speed air handlers, or our variable speed blower kits, the DT4BE is rated up to 15 SEER and 8.5+ HSPF. Units are ideally sized for slab or rooftop mounting in single, multifamily and light commercial applications.

| | | Connections (in) | | | |
|---|---|---|---|---|---|
| **Order Number** | **Cooling BTU/hr** | **Liquid** | **Suction** | **W x H x D (in)** | **Ship Weight (lbs)** |
| DT4BE018K | 18,000 | 3/8 | 3/4 | 42 1/2 x 30 1/2 x 30 1/2 | 188 |
| DT4BE024K | 24,000 | 3/8 | 3/4 | 42 1/2 x 30 1/2 x 30 1/2 | 189 |
| DT4BE030K | 30,000 | 3/8 | 3/4 | 42 1/2 x 30 1/2 x 30 1/2 | 189 |
| DT4BE036K | 36,000 | 3/8 | 7/8 | 42 1/2 x 30 1/2 x 30 1/2 | 191 |
| DT4BE042K | 42,000 | 3/8 | 7/8 | 42 1/2 x 30 1/2 x 30 1/2 | 294 |
| DT4BE048K | 48,000 | 3/8 | 7/8 | 42 1/2 x 30 1/2 x 30 1/2 | 295 |
| DT4BE060K | 60,000 | 3/8 | 7/8 | 42 1/2 x 30 1/2 x 30 1/2 | 295 |

**JT5BD SERIES 13 SEER R22 HIGH EFFICIENCY HEAT PUMPS**

***10-Year Warranty***

**2 TO 5 TON - 208/230 - 1 PHASE**

The JT5BD series heat pumps offers exceptional performance from a small, compact package. The heat pump, when combined with our engineered coils or air handlers, offers a full line of quality, split system heating and cooling equipment. Units are ideally sized for slab or rooftop mounting in single or multifamily applications. Gibson 13-16 SEER Air Conditioners and Heat Pumps, Coils and Air Handlers offer a 10-year limited warranty that covers all parts.

| | | Connections (in) | | | |
|---|---|---|---|---|---|
| **Order Number** | **Cooling BTU/hr** | **Liquid** | **Suction** | **W x H x D (in)** | **Ship Weight (lbs)** |
| JT5BD018K | 18,000 | 3/8 | 3/4 | 26 1/2 x 30 1/2 x 30 1/2 | 175 |
| JT5BD024K | 24,000 | 3/8 | 3/4 | 26 1/2 x 30 1/2 x 30 1/2 | 180 |
| JT5BD030K | 29,000 | 3/8 | 3/4 | 38 1/2 x 30 1/2 x 30 1/2 | 200 |
| JT5BD036K | 35,400 | 3/8 | 3/4 | 42 1/2 x 30 1/2 x 30 1/2 | 215 |
| JT5BD042K | 40,000 | 3/8 | 7/8 | 38 1/2 x 30 1/2 x 30 1/2 | 265 |
| JT5BD048K | 45,500 | 3/8 | 7/8 | 42 1/2 x 30 1/2 x 30 1/2 | 290 |
| JT5BD060K | 57,000 | 3/8 | 7/8 | 42 1/2 x 30 1/2 x 30 1/2 | 300 |

## KG7TC SERIES 95.1 AFUE FURNACES

**2 STAGE FIXED SPEED CONDENSING UPFLOW / HORIZONTAL**

The high efficiency upflow gas furnace may be installed free standing in a utility room, basement or enclosed in an alcove or closet. Upflow/horizontal units come ready for upflow or horizontal applications. The extended flush jacket provides a pleasing “appliance appearance”. Design certified by CSA for application in Canada and the United States.

***10-Year Warranty***

**Features:** 30 Second Blower Delay; 30 Second Post Purge; Hot Surface Igniter; High Static Blowers; Low Boy Height; 90 Second Fixed Cooling Cycle Blower-off Delay (TDR); Multi-speed Direct Drive Blower; Diagnostic Lights for Easy Troubleshooting without Counting Flashes; Incorporates Integrated Control Board.

| Order Number | High Fire Input BTU/hr | Output BTU/hr | W x H x D (in) | Ship Weight (lbs) |
|---|---|---|---|---|
| KG7TC-060D-24B | 60,000 | 39,000 | 17 1/2 x 34 1/2 x 28 | 125 |
| KG7TC-080D-35C | 80,000 | 52,000 | 21 x 34 1/2 x 28 | 135 |
| KG7TC-100D-35C | 100,000 | 65,000 | 21 x 34 1/2 x 28 | 145 |
| KG7TC-120D-45D | 120,000 | 78,000 | 24 1/2 x 34 1/2 x 28 | 160 |

**Note:** Upgradable to variable speed with a 904880 Kit.

## KG7SC SERIES 92.1 AFUE FURNACES

**HIGH EFFICIENCY CONDENSING UPFLOW / HORIZONTAL**

The high efficiency upflow gas furnace may be installed free standing in a utility room, basement or enclosed in an alcove or closet. Upflow/horizontal units come ready for upflow or horizontal applications. The extended flush jacket provides a pleasing “appliance appearance”. Design certified by CSA for application in Canada and the United States.

***10-Year Warranty***

**Features:** 100% Fired and Tested; 30 Second Blower Delay; 30 Second Post Purge; Hot Surface Igniter; High Static Blowers; Low Boy Height; 90 Second Fixed Cooling Cycle Blower-off Delay (TDR); Multi-speed Direct Drive Blower; Diagnostic Lights for Easy Troubleshooting without Counting Flashes; Incorporates Integrated Control Board.

| Order Number | High Fire Input BTU/hr | Output BTU/hr | W x H x D (in) | Ship Weight (lbs) |
|---|---|---|---|---|
| KG7SC-040D-23A | 38,000 | 35,000 | 14 1/2 x 34 1/2 x 28 | 100 |
| KG7SC-054D-24B | 54,000 | 49,700 | 17 1/2 x 34 1/2 x 28 | 120 |
| KG7SC-072D-24B | 72,000 | 66,000 | 17 1/2 x 34 1/2 x 28 | 125 |
| KG7SC-072D-35C | 72,000 | 66,000 | 21 x 34 1/2 x 28 | 130 |
| KG7SC-090D-35C | 90,000 | 82,800 | 21 x 34 1/2 x 28 | 135 |
| KG7SC-108D-45D | 108,000 | 99,000 | 24 1/2 x 34 1/2 x 28 | 155 |
| KG7SC-120D-45D | 120,000 | 110,400 | 24 1/2 x 34 1/2 x 28 | 155 |

## KG7TL SERIES 95.1 AFUE FURNACES

**2 STAGE FIXED SPEED CONDENSING DOWNFLOW**

The high efficiency upflow gas furnace may be installed free standing in a utility room, basement or enclosed in an alcove or closet. Upflow/horizontal units come ready for upflow or horizontal applications. The extended flush jacket provides a pleasing “appliance appearance”. Design certified by CSA for application in Canada and the United States.

***10-Year Warranty***

**Features:** 30 Second Blower Delay; 30 Second Post Purge; Hot Surface Igniter; High Static Blowers; Low Boy Height; 90 Second Fixed Cooling Cycle Blower-off Delay (TDR); Multi-speed Direct Drive Blower; Diagnostic Lights for Easy Troubleshooting without Counting Flashes; Incorporates Integrated Control Board.

| Order Number | High Fire Input BTU/hr | Output BTU/hr | W x H x D (in) | Ship Weight (lbs) |
|---|---|---|---|---|
| KG7TL-060D-24B | 60,000 | 39,000 | 17 1/2 x 34 1/2 x 28 | 125 |
| KG7TL-080D-35C | 80,000 | 52,000 | 21 x 34 1/2 x 28 | 135 |
| KG7TL-100D-35C | 100,000 | 65,000 | 21 x 34 1/2 x 28 | 145 |
| KG7TL-120D-45D | 120,000 | 78,000 | 24 1/2 x 34 1/2 x 28 | 160 |

**Note:** Upgradable to variable speed.

# GIBSON FURNACES

## KG7TA SERIES 80+ AFUE FURNACES

### 2 STAGE FIXED SPEED HIGH EFFICIENCY UPFLOW / HORIZONTAL

The high efficiency upflow gas furnace may be installed free standing in a utility room, basement or enclosed in an alcove or closet. Upflow/horizontal units come ready for upflow or horizontal applications. The extended flush jacket provides a pleasing “appliance appearance”. Design certified by CSA for application in Canada and the United States.

***10-Year Warranty***

**Features:** 100% Fired and Tested; 30 Second Blower Delay; 30 Second Post Purge; Hot Surface Igniter; High Static Blowers; Low Boy Height; 90 Second Fixed Cooling Cycle Blower-off Delay (TDR); Multi-speed Direct Drive Blower; Diagnostic Lights for Easy Troubleshooting without Counting Flashes; Incorporates Integrated Control Board.

| Order Number | High Fire Input BTU/hr | Output BTU/hr | W x H x D (in) | Ship Weight (lbs) |
|---|---|---|---|---|
| KG7TA-060C-23A | 60,000 | 48,000 | 14 1/2 x 34 1/2 x 28 | 115 |
| KG7TA-080C-24B | 80,000 | 52,000 | 17 1/2 x 34 1/2 x 28 | 110 |
| KG7TA-100C-24B | 100,000 | 80,000 | 17 1/2 x 34 1/2 x 28 | 120 |
| KG7TA-100C-35C | 100,000 | 80,000 | 21 x 34 1/2 x 28 | 125 |
| KG7TA-120C-35C | 120,000 | 78,000 | 21 x 34 1/2 x 28 | 135 |
| KG7TA-140C-45D | 140,000 | 91,000 | 24 1/2 x 34 1/2 x 28 | 155 |

**Note:** Upgradable to variable speed with a 904880 Kit.

## KG7TK SERIES 80+ AFUE FURNACES

### 2 STAGE FIXED SPEED HIGH EFFICIENCY DOWNFLOW

The high efficiency upflow gas furnace may be installed free standing in a utility room, basement or enclosed in an alcove or closet. Upflow/horizontal units come ready for upflow or horizontal applications. The extended flush jacket provides a pleasing “appliance appearance”. Design certified by CSA for application in Canada and the United States.

***10-Year Warranty***

**Features:** 100% Fired and Tested; 30 Second Blower Delay; 30 Second Post Purge; Hot Surface Igniter; High Static Blowers; Low Boy Height; 90 Second Fixed Cooling Cycle Blower-off Delay (TDR); Multi-speed Direct Drive Blower; Diagnostic Lights for Easy Troubleshooting without Counting Flashes; Incorporates Integrated Control Board.

| Order Number | High Fire Input BTU/hr | Output BTU/hr | W x H x D (in) | Ship Weight (lbs) |
|---|---|---|---|---|
| KG7TK-060C-23A | 60,000 | 48,000 | 14 1/2 x 34 1/2 x 28 | 115 |
| KG7TK-080C-24B | 80,000 | 52,000 | 17 1/2 x 34 1/2 x 28 | 110 |
| KG7TK-100C-24B | 100,000 | 80,000 | 17 1/2 x 34 1/2 x 28 | 120 |
| KG7TK-100C-35C | 100,000 | 80,000 | 21 x 34 1/2 x 28 | 125 |
| KG7TK-120C-35C | 120,000 | 78,000 | 21 x 34 1/2 x 28 | 135 |
| KG7TK-140C-45D | 140,000 | 91,000 | 24 1/2 x 34 1/2 x 28 | 155 |

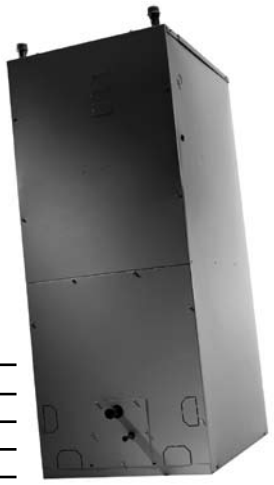
**Note:** Upgradable to variable speed with a 904880 Kit.

## GIBSON FURNACE ACCESSORIES

| Order Number | Description |
|---|---|
| 1056-2-2 | Fernco 2” x 2” rubber neoprene vent coupling c/w clamp |
| 1056-3-2 | Fernco 3” x 2” rubber neoprene vent coupling c/w clamp |
| 1056-3-3 | Fernco 3” x 3” rubber neoprene vent coupling c/w clamp |
| 16X25X1 | External side return filter rack (spinnaker) |
| 904880 | Fixed Speed - to - variable speed |
| 902974 | “A” Cabinet downflow sub base kit |
| 904911 | “B”, “C”, “D” Cabinet downflow sub base kit |
| 904915 | Canada LP Conversion kit (0 to 4,500 ft) |
| 541036 | Side Return Filter Kit |
| 904177 | 2” Concentric Vent Kit |
| 904176 | 3” Concentric Vent Kit |
| 904617 | 2” Side Wall Vent Kit |
| 904347 | 3” Side Wall Vent Kit |
| 902377 | Neutralizer Kit |

## 13 SEER BCRM SERIES AIR HANDLERS

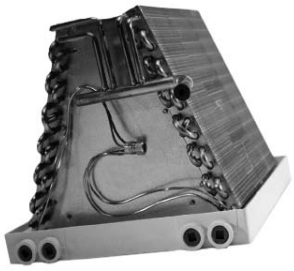
Balanced three-speed or variable speed motors ensure quiet operation. Easy to install and service hot water slide in kit. Easy-to-access control panel and one-point electrical connections. Drain connection knockouts offer a variety of installation positions. Air filter included with every BC/BV models. With total flexibility multi-position available from factory or field convertible. Easy conversion to downflow with field installed kit. R22 and R410A compatible. 5 year limited warranty.



| | | Supply Duct Opening (in) | | Return Duct Opening (in) | | |
|---|---|---|---|---|---|---|
| Order Number | Capacity (tons) | Depth | Width | Depth | Width | H x D x W (in) |
| BCRMA-7224-S002 | 1.5 - 2 | 17 | 13 1/2 | 17 1/4 | 10 1/4 | 44 x 22 x 15 |
| BCRMB-6236-S002 | 2.5 - 3 | 17 | 17 | 17 1/4 | 14 | 48 x 22 x 18 1/2 |
| BCRMC-1248-S002 | 3.5 - 4 | 21 | 18 1/2 | 22 | 15 3/4 | 49 x 26 x 20 |
| BCRMC-9260-S002 | 5 | 21 | 20 1/2 | 22 | 17 3/4 | 53 x 26 x 22 |

## 13 SEER R410A EVAPORATOR COILS

**NON BLEED TX VALVE**



| | | Connections (in) | | |
|---|---|---|---|---|
| Order Number | Capacity (tons) | Liquid | Suction | H x D x W (in) |
| HE30624A140A0000AP | 1.5 - 2 | 3/8 | 3/4 | 14 x 19.5 x 11 |
| HE31624A140A0000AP | 2 | 3/8 | 3/4 | 14 x 19.5 x 13 |
| HE32630A140A0000AP | 2.5 | 3/8 | 3/4 | 14 x 19.5 x 15 |
| HE33636A155A0000AP | 3 | 3/8 | 3/4 | 15.5 x 19.5 x 17 |
| HE33648A200A0000AP | 4 | 3/8 | 7/8 | 20 x 19.5 x 23 |
| HE35642A170A0000AP | 3.5 | 3/8 | 7/8 | 17 x 19.5 x 21 |
| HE50660A205A0000AP | 5 | 3/8 | 7/8 | 20.5 x 19.5 x 27 |

## 13 SEER R22 EVAPORATOR COILS

**NON BLEED TX VALVE**

| Order Number | Size (tons) | H x D x W (in) |
|---|---|---|
| HE30424A140A0000AP | 1.5 - 2 | 14 x 19.5 x 11 |
| HE31424A140A0000AP | 2 | 14 x 19.5 x 13 |
| HE32530A140A0000AP | 2.5 | 14 x 19.5 x 15 |
| HE33436A155A0000AP | 3 | 15.5 x 19.5 x 17 |
| HE34536A155A0000AP | 3 | 15.5 x 19.5 x 19 |
| HE36448A200A0000AP | 4 | 20 x 19.5 x 23 |
| HE35442A170A0000AP | 3.5 | 17 x 19.5 x 19 |
| HE48560A200A0000AP | 5 | 20 x 19.5 x 27 |
| HE41560A251A0000AP | 5 | 25.1 x 19.5 x 25 |

## 13 SEER HORIZONTAL DUCT COILS

**FOR SWEAT CONNECTION HORIZONTAL COILS**

| Order Number | Size (tons) | Overall H x W (in) | Plenum H x W (in) | Depth (in) |
|---|---|---|---|---|
| HH57218A185A | 1.5 | 22 3/4 x 23 | 21 1/4 x 18 5/8 | 10 |
| HH58224A225A | 2 | 22 3/4 x 27 | 21 1/4 x 22 5/8 | 10 |
| HH59230A265A | 2.5 | 22 3/4 x 31 | 21 1/4 x 26 5/8 | 10 |
| HH59236A265A | 3 | 22 3/4 x 31 | 21 1/4 x 26 5/8 | 10 |
| HH61248A365A | 4 | 22 3/4 x 41 | 21 1/4 x 30 5/8 | 10 |
| HH66260A425A | 5 | 22 3/4 x 47 | 21 1/4 x 42 5/8 | 10 |

# EQUIPMENT PADS

## U SERIES ULTRA LITE® CONDENSER PADS

At an average weight of 12 kg per square meter, the UltraLite lightweight condenser pad is one of the lightest equipment mounting products available today. The exterior of the Ultralite pads are specifically engineered for long-term exterior weather resistance.

| Order Number | Size (in) |
|---|---|
| UC2424-2 | 24 x 24 x 2 |
| UC2430-2 | 24 x 30 x2 |
| UC2436-2 | 24 x 36 x 2 |
| UC3030-2 | 30 x 30 x 2 |
| UC3036-2 | 30 x 36 x 2 |
| UC3040-2 | 30 x 40 x 2 |
| UC3143-2 | 31 x 43 x 2 |
| UC3232-2 | 32 x 32 x 2 |
| UC3648-2 | 36 x 48 x 2 |

# AIR CONDITIONING ELECTRICAL WHIPS

## ULTRA-WHIPS

A labour saving convenience kit for A/C unit hookup. Also use for heat pumps, refrigeration, hot tubs, swimming pools and outdoor lighting. Easy, quick wiring in three distinct colour for ease of A/C unit hookup. One straight and one 90 degree metallic or non-metallic connectors.

| Order Number | Description |
|---|---|
| 11-4500 | 1/2 x 4' #10 THHN wire-non-metallic connectors |
| 11-6524 | 1/2 x 6' #10 THHN wire-non-metallic connectors, c/w long leads |
| 11-6750 | 3/4 x 6' #8 THHN wire-non-metallic connectors |

# AIR CONDITIONER COVERS AND SOUND BLANKETS

### BRINMAR SOUND BLANKETS

Noise reduction for air conditioner compressors. Universal fit for over 200 different models of compressors. Minimum 5 dB noise reduction, a 40% decrease. Makes air conditioners comply with local noise laws.

| Order Number | Description |
|---|---|
| SBLHD | For large reciprocating compressors 42,000 to 150,000 BTU, fits Bristol H, Carlyle P/W, Copeland BR/CR/CT and Tecumseh AG/RK/SF |
| SBRHD | Just for reciprocating compressors from 5,000 to 42,000 BTU, fits Bristol H, Carlyle P/W, Copeland CR/CT/CV/JR/RE/RR, Tecumseh AB/AE/AH/AJ/AK/AV/AW and Toshiba TH |
| SBSHD | Just for scroll compressors including; Carlyle SC/SR and Hitachi. (For Copeland ZR scroll compressors, use part # SBUHD) |
| SBUHD | Universal-fit for all compressors up to 42,000 BTU. Fits all scroll and reciprocating compressors out most versatile blanket |

# RUUD RESIDENTIAL SPLIT SYSTEM AIR CONDITIONING UNITS

## UARL SERIES 16 SEER R410A CONDENSING UNITS

The Ruud Ultra Series High Efficiency UARL Condensing Unit was designed with performance in mind. These units offer comfort, energy conservation and dependability for single, multi-family and light commercial applications. All units come with “Comfort Alert” diagnostics installed, which delivers increased reliability, on board diagnostics, fault recall and active protection.

**SIZES 2 - 5 TONS - 208/230 - 1 PHASE**

| | Capacity BTU/hr | Connections (in) | | Fuse or HACR Circuit Breaker | | | | |
|---|---|---|---|---|---|---|---|---|
| Order Number | Stage 1/Stage 2 | Liquid | Suction | Min | Max | R-410A (oz) | H x L x W (in) | Ship Weight (lbs) |
| UARL-024JEZ | 18,400/25,000 | 3/8 | 3/4 | 20A | 20A | 117 | 23 x 44 3/8 x 31 1/2 | 200 |
| UARL-036JEZ | 26,900/37,200 | 3/8 | 3/4 | 30A | 35A | 157 | 33 x 44 3/8 x 31 1/2 | 246 |
| UARL-048JEZ | 35,500/47,500 | 3/8 | 7/8 | 35A | 45A | 154 | 33 x 44 3/8 x 31 1/2 | 246 |
| UARL-060JEZ | 42,200/58,000 | 3/8 | 7/8 | 45A | 60A | 224 | 33 x 44 3/8 x 31 1/2 | 315 |

***DEALER PRODUCT ONLY***

## UAPL SERIES 14 SEER R410A CONDENSING UNITS

The Ruud Achiever series high efficiency UAPL and UANL Condensing units were designed with performance in mind. These units offer comfort, energy conservation and dependability for single, multi-family and light commercial applications.

**SIZES 1 1/2 - 5 TONS - 208/230V - 1 PHASE**

| | | Connections (in) | | Fuse or HACR Circuit Breaker | | | | |
|---|---|---|---|---|---|---|---|---|
| Order Number | Capacity BTU/hr | Liquid | Suction | Min | Max | R-410A (oz) | H x L x W (in) | Ship Weight (lbs) |
| UAPL-018JAZ | 18,000 | 3/8 | 3/4 | 15/15A | 20/20A | 70 | 19 x 40 1/2 x 27 5/8 | 155 |
| UAPL-024JAZ | 24,000 | 3/8 | 3/4 | 25/25A | 30/30A | 72 | 19 x 40 1/2 x 27 5/8 | 187 |
| UAPL-030JAZ | 30,000 | 3/8 | 3/4 | 25/25A | 30/30A | 94 | 19 x 44 3/8 x 31 1/2 | 213 |
| UAPL-036JAZ | 36,000 | 3/8 | 7/8 | 30/30A | 35/35A | 113 | 33 x 44 3/8 x 31 1/2 | 228 |
| UAPL-042JAZ | 42,000 | 3/8 | 7/8 | 30/30A | 40/40A | 130 | 33 x 44 3/8 x 31 1/2 | 252 |
| UAPL-048JAZ | 48,000 | 3/8 | 7/8 | 35/35A | 50/50A | 145 | 33 x 44 3/8 x 31 1/2 | 253 |
| UAPL-060JAZ | 60,000 | 3/8 | 7/8 | 45/45A | 60/60A | 180 | 33 x 44 3/8 x 31 1/2 | 305 |

## UANL SERIES 13 SEER R410A CONDENSING UNITS

The RUUD Achiever Series® High Efficiency UANL – Condensing Unit was designed with performance in mind. These units offer comfort, energy conservation and dependability for single, multi-family and light commercial applications. Attractive, louvered wrap-around jacket protects the coil from yard hazards and weather extremes. Top grille is steel reinforced for extra strength. Cabinet is powder painted for all weather protection. Air is discharged upward away from bushes and shrubs. The discharge pattern of the top grille provides minimum air restriction. Combination grille/motor mount secures the motor to the underside of the discharge grille. The grille protects the motor windings and bearings from rain and snow. All controls are accessible by removing one service panel. Removable top grille provides access to the condenser fan motor and condenser coil. Single speed 8-pole fan motor designed for low speed, quiet, energy-saving operation.

**SIZES 1 1/2 - 5 TONS - 208/230V - 1 PHASE**

| | | Connections (in) | | Fuse or HACR Circuit Breaker | | | | |
|---|---|---|---|---|---|---|---|---|
| Order Number | Capacity BTU/hr | Liquid | Suction | Min | Max | R-410A (oz) | H x L x W (in) | Ship Weight (lbs) |
| UANL-018JAZ | 18,000 | 3/8 | 3/4 | 15/15A | 20/20A | 70 | 19 x 35 1/2 x 23 3/4 | 140 |
| UANL-024JAZ | 24,000 | 3/8 | 3/4 | 20/20A | 25/25A | 72 | 19 x 40 1/2 x 27 5/8 | 150 |
| UANL-030JAZ | 30,000 | 3/8 | 3/4 | 25/25A | 30/30A | 94 | 19 x 44 3/8 x 31 1/2 | 170 |
| UANL-036JAZ | 36,000 | 3/8 | 7/8 | 30/30A | 40/40A | 113 | 25 x 44 3/8 x 31 1/2 | 215 |
| UANL-042JAZ | 42,000 | 3/8 | 7/8 | 30/30A | 40/40A | 130 | 25 x 44 3/8 x 31 1/2 | 215 |
| UANL-048JAZ | 48,000 | 3/8 | 7/8 | 35/35A | 50/50A | 145 | 33 x 44 3/8 x 31 1/2 | 240 |
| UANL-060JAZ | 60,000 | 3/8 | 7/8 | 45/45A | 60/60A | 180 | 33 x 44 3/8 x 31 1/2 | 260 |

# RUUD RESIDENTIAL SPLIT SYSTEM AIR CONDITIONING UNITS

## UARL SERIES 16 SEER R410A CONDENSING UNITS

**SIZES 1 1/2 - 5 TONS - 208/230 (CAZ) - 575V (YAZ) - 3 PHASE**

| | | Connections (in) | | Fuse or HACR Circuit Breaker | | | | |
|---|---|---|---|---|---|---|---|---|
| **Order Number** | **Capacity BTU/hr** | **Liquid** | **Suction** | **Min** | **Max** | **R-410A (oz)** | **H x L x W (in)** | **Ship Weight (lbs)** |
| UANL-036CAZ | 36,000 | 3/8 | 7/8 | 25/25 | 30/30 | 113 | 25 x 44 3/8 x 31 1/2 | 215 |
| UANL-042CAZ | 42,000 | 3/8 | 7/8 | 25/25 | 30/30 | 130 | 25 x 44 3/8 x 31 1/2 | 215 |
| UANL-048CAZ | 48,000 | 3/8 | 7/8 | 25/25 | 30/30 | 145 | 33 x 44 3/8 x 31 1/2 | 240 |
| UANL-048YAZ | 48,000 | 3/8 | 7/8 | 15 | 15 | 145 | 33 x 44 3/8 x 31 1/2 | 240 |
| UANL-060CAZ | 60,000 | 3/8 | 7/8 | 25/25 | 30/30 | 180 | 33 x 44 3/8 x 31 1/2 | 250 |
| UANL-060YAZ | 60,000 | 3/8 | 7/8 | 15 | 15 | 180 | 33 x 44 3/8 x 31 1/2 | 250 |

# RUUD INDOOR AIR COILS

## EVAPORATOR CASED INDOOR COILS

**16 SEER R410A TXV**

***DEALER PRODUCT ONLY***

| | | Connections (in) | | | |
|---|---|---|---|---|---|
| **Order Number** | **Capacity BTU/hr** | **Liquid** | **Suction** | **W x H x D (in)** | **Ship Weight (lbs)** |
| RCFM-HM2417AC | 24,000 | 3/8 | 3/4 | 17 1/2 x 20 x 21 11/16 | 57 |
| RCFM-HM2421AC | 24,000 | 3/8 | 3/4 | 21 x 20 x 21 11/16 | 60 |
| RCFM-HM3617AC | 36,000 | 3/8 | 3/4 | 17 1/2 x 20 x 21 11/16 | 57 |
| RCFM-HM3621AC | 36,000 | 3/8 | 3/4 | 21 x 20 x 21 11/16 | 60 |
| RCFM-HM4821AC | 48,000 | 3/8 | 7/8 | 21 x 28 x 21 11/16 | 83 |
| RCFM-HM4824AC | 48,000 | 3/8 | 7/8 | 24 1/2 x 32 x 21 11/16 | 99 |
| RCFM-HM6024AC | 60,000 | 3/8 | 7/8 | 24 1/2 x 32 x 21 11/16 | 118 |

**13/14 SEER R410A TXV**

| | | Connections (in) | | | |
|---|---|---|---|---|---|
| **Order Number** | **Capacity BTU/hr** | **Liquid** | **Suction** | **W x H x D (in)** | **Ship Weight (lbs)** |
| RCFL-HM2414AC | 24,000 | 3/8 | 3/4 | 14 x 23 3/16 x 21 11/16 | 50 |
| RCFL-HM2417AC | 24,000 | 3/8 | 3/4 | 17 1/2 x 20 x 21 11/16 | 51 |
| RCFL-HM3617AC | 36,000 | 3/8 | 3/4 | 17 1/2 x 20 x 21 11/16 | 57 |
| RCFL-HM3621AC | 36,000 | 3/8 | 3/4 | 21 x 20 x 21 11/16 | 60 |
| RCFL-HM4821AC | 48,000 | 3/8 | 7/8 | 21 x 28 x 21 11/16 | 83 |
| RCFL-HM4824AC | 48,000 | 3/8 | 7/8 | 24 1/2 x 32 x 21 11/16 | 99 |
| RCFL-HM6024AC | 60,000 | 3/8 | 7/8 | 24 1/2 x 32 x 21 11/16 | 118 |

## EVAPORATOR UNCASED INDOOR COILS

***DEALER PRODUCT ONLY***

**16 SEER R410A TXV**

| | | Connections (in) | | | |
|---|---|---|---|---|---|
| **Order Number** | **Capacity BTU/hr** | **Liquid** | **Suction** | **W x H x D (in)** | **Ship Weight (lbs)** |
| RCHL-24A2G | 24,000 | 3/8 | 3/4 | 15 3/4 x 14 x 21 | 18 |
| RCHL-36A1G | 36,000 | 3/8 | 3/4 | 19 1/4 x 14 x 21 | 23 |
| RCHL-36A2G | 36,000 | 3/8 | 3/4 | 19 1/4 x 14 x 21 | 23 |
| RCHL-48A1G | 48,000 | 3/8 | 7/8 | 22 3/4 x 14 x 21 | 36 |
| RCHL-48A2G | 48,000 | 3/8 | 7/8 | 22 3/4 x 14 x 21 | 36 |
| RCHL-60A1G | 24,000 | 3/8 | 7/8 | 22 3/4 x 14 x 21 | 36 |

**13/14 SEER R410A TXV**

| | | Connections (in) | | | |
|---|---|---|---|---|---|
| **Order Number** | **Capacity BTU/hr** | **Liquid** | **Suction** | **W x H x D (in)** | **Ship Weight (lbs)** |
| RCFL-HU2414AU | 24,000 | 3/8 | 3/4 | 14 x 23 3/16 x 21 11/16 | 50 |
| RCFL-HU2417AU | 24,000 | 3/8 | 3/4 | 17 1/2 x 20 x 21 11/16 | 51 |
| RCFL-HU3617AU | 36,000 | 3/8 | 3/4 | 17 1/2 x 20 x 21 11/16 | 57 |
| RCFL-HU3621AU | 36,000 | 3/8 | 3/4 | 21 x 20 x 21 11/16 | 60 |
| RCFL-HU4821AU | 48,000 | 3/8 | 7/8 | 21 x 28 x 21 11/16 | 83 |
| RCFL-HU4824AU | 48,000 | 3/8 | 7/8 | 24 1/2 x 32 x 21 11/16 | 99 |
| RCFL-HU6024AU | 60,000 | 3/8 | 7/8 | 24 1/2 x 32 x 21 11/16 | 118 |

## 13/14 SEER RUUD COIL CASINGS

| **Order Number** | **W x H x D (in)** |
|---|---|
| RXBC-D14A | 14 x 23.2 x 21 5/8 |
| RXBC-D17AI | 17 1/2 x 20 x 21 5/8 |
| RXBC-D21AI | 21 x 20 x 21 5/8 |
| RXBC-D21BI | 21 x 28 x 21 5/8 |
| RXBC-D24AI | 24 1/2 x 32 1/2 x 21 5/8 |

## RUUD COIL CASINGS

| **Order Number** | **W x H x D (in)** |
|---|---|
| RXBC-C14I | 14 x 17 1/2 x 22 |
| RXBC-C17I | 17 1/2 x 17 1/2 x 22 |
| RXBC-C21I | 21 x 17 1/2 x 22 |
| RXBC-C24I | 24 1/2 x 17 1/2 x 22 |

# RUUD SPLIT SYSTEM HEAT PUMPS

## UPRL SERIES 16 SEER R410A SPLIT HEAT PUMPS

The RUUD Ultra Series UPRL-JEZ Two-Stage Heat Pump Outdoor Units can provide year-round heating and cooling comfort for residential, multi-family and light commercial applications. They are designed to operate with RUUD Indoor units with cooling and heating capacities certified under the ARI Certification program.

**Features:** The Comfort Control System; 7 Segment LED Display; Dependable Two-Stage Scroll; Attractive louvered Wrap-around Jacket; GE ECM Fan Motor; Non-cycling Reversing Valve and Demand Defrost; Dual-Fuel capable with select thermostats.

**SIZES 2 - 5 TONS - 208/230V - 1 PHASE**

| | Capacity BTU/hr | | Connections (in) | | Fuse or HACR Circuit Breaker | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Order Number | Stage 1 | Stage 2 | Liquid | Suction | Min | Max | R410A (oz) | H x L x W (in) | Ship Weight (lbs) |
| UPRL-024-JEZ | 14,500 | 17,850 | 3/8 | 3/4 | 20/20 | 20/20 | 152 | 33 x 44 3/8 x 31 1/2 | 276 |
| UPRL-036-JEZ | 19,000 | 25,100 | 3/8 | 3/4 | 30/30 | 35/35 | 245 | 33 x 44 3/8 x 31 1/2 | 329 |
| UPRL-048-JEZ | 26,300 | 34,350 | 3/8 | 7/8 | 35/35 | 45/45 | 256 | 33 x 44 3/8 x 31 1/2 | 318 |
| UPRL-060-JEZ | 31,800 | 40,200 | 3/8 | 7/8 | 40/40 | 50/50 | 284 | 33 x 44 3/8 x 31 1/2 | 335 |

## UPPL SERIES 14 SEER R410A SPLIT HEAT PUMPS

The RUUD Achiever Series UPPL Heat Pump outdoor units can provide year-round heating and cooling comfort for residential, multifamily and light commercial applications. They are designed to operate with RUUD indoor units with cooling and heating capacities certified under the ARI Certification program.

**SIZES 1 1/2 - 5 TONS - 208/230 - 1 PHASE**

| | | Connections (in) | | Fuse or HACR Circuit Breaker | | | | |
|---|---|---|---|---|---|---|---|---|
| Order Number | Capacity BTU/hr | Liquid | Suction | Min | Max | R410A (oz) | H x L x W (in) | Ship Weight (lbs) |
| UPPL-018-JEZ | 18,800 | 3/8 | 3/4 | 15/15 | 20/20 | 83 | 19 x 40 1/2 x 27 5/8 | 140 |
| UPPL-024-JEZ | 24,200 | 3/8 | 3/4 | 20/20 | 25/25 | 86 | 19 x 40 1/2 x 27 5/8 | 140 |
| UPPL-030-JEZ | 29,000 | 3/8 | 3/4 | 25/25 | 30/30 | 101 | 29 x 44 3/8 x 31 1/2 | 210 |
| UPPL-036-JEZ | 38,500 | 3/8 | 7/8 | 30/30 | 40/40 | 145 | 33 x 44 3/8 x 31 1/2 | 230 |
| UPPL-042-JEZ | 44,500 | 3/8 | 7/8 | 35/35 | 45/45 | 160 | 33 x 44 3/8 x 31 1/2 | 240 |
| UPPL-048-JEZ | 49,500 | 3/8 | 7/8 | 35/35 | 50/50 | 160 | 33 x 44 3/8 x 31 1/2 | 260 |
| UPPL-060-JEZ | 61,500 | 3/8 | 7/8 | 45/45 | 60/60 | 277 | 33 x 44 3/8 x 31 1/2 | 315 |

## UPNL SERIES 13 SEER ACHIEVER R410A SPLIT HEAT PUMPS

The RUUD Ultra Series Heat Pump Outdoor units can provide year-round heating and cooling comfort for residential, multi-family and light commercial applications. They are designed to operate with RUUD indoor units with cooling and heating capacities certified under the ARI Certification program. The following additional features, plus its energy-saving characteristics make the UPNL Heat Pump outdoor unit an excellent choice for new construction or upgrading your present system. The RUUD Ultra Series Heat Pumps are the result of an ongoing development program for improved efficiencies. With SEER's up to 15 these units continue a tradition of high efficiency. The Comfort Control System provide on-board diagnostics and fault history for heat pumps with single-phase compressors by detecting system and electrical problems without adding sensors.

**SIZES 1 1/2 TO 5 TONS - 208/230 - 1 PHASE**

| | | Connections (in) | | Fuse or HACR Circuit Breaker | | | |
|---|---|---|---|---|---|---|---|
| Order Number | Capacity BTU/hr | Liquid | Suction | Min | Max | H x L x W (in) | Ship Weight (lbs) |
| UPNL-018-JEZ | 18,000 | 3/8 | 3/4 | 15A | 20A | 40 1/2 x 27 5/8 x 19 | 140 |
| UPNL-024-JEZ | 24,000 | 3/8 | 3/4 | 20A | 25A | 40 1/2 x 27 5/8 x 19 | 140 |
| UPNL-030-JEZ | 30,000 | 3/8 | 3/4 | 25A | 30A | 44 3/8 x 31 1/2 x 29 | 210 |
| UPNL-036-JEZ | 36,000 | 3/8 | 7/8 | 30A | 40A | 44 3/8 x 31 1/2 x 33 | 230 |
| UPNL-042-JEZ | 42,000 | 3/8 | 7/8 | 35A | 45A | 44 3/8 x 31 1/2 x 33 | 240 |
| UPNL-048-JEZ | 48,000 | 3/8 | 7/8 | 35A | 50A | 44 3/8 x 31 1/2 x 33 | 260 |
| UPNL-060-JEZ | 60,000 | 3/8 | 7/8 | 45A | 60A | 44 3/8 x 31 1/2 x 33 | 290 |

## UHPL-HM SERIES 16 SEER EARTH FRIENDLY R410A AND ECM MOTOR AIR HANDLERS

**MULTI-POSITION**

Includes an energy efficient GE ECM motor which in most applications enhances the SEER rating of the outdoor unit. It also slowly ramps its speed up for quiet operation and enhanced customer satisfaction. Versatile 4-way convertible design for upflow, downflow, horizontal left and horizontal right applications. Nominal airflow 1.0" external static pressure. Factory installed high efficiency indoor coil. Sturdy cabinet construction with 1.0 inch of foil faced insulation for excellent sound and insulating characteristics. Field installed auxiliary electric heater hits provide exact heat for indoor comfort. Kits include circuit breakers which meet UL and cUL requirements for service disconnect. On-demand dehumidification terminal that adjusts airflow to help control humidity for unsurpassed comfort in cooling mode.

| Order Number | Capacity (tons) | W x H x D (in) | Supply Duct (in) | Airflow CFM | Ship Weight (lbs) |
|---|---|---|---|---|---|
| UHPL-HM2421JA | 1 1/2 to 2 | 21 x 42 1/2 x 21 11/16 | 19 1/2 | 625-775 | 106 |
| UHPL-HM3621JA | 2 1/2 to 3 | 21 x 42 1/2 x 21 11/16 | 19 1/2 | 900-1,200 | 106 |
| UHPL-HM4824JA | 3 1/2 to 4 | 24 1/2 x 55 1/2 x 21 11/16 | 23 | 1,200-1,625 | 180 |
| UHPL-HM6024JA | 5 | 24 1/2 x 55 1/2 x 21 11/16 | 23 | 1,375-1,675 | 198 |

## UHKL SERIES EARTH FRIENDLY R410A BI-FLOW TXV AND ECM MOTOR AIR HANDLERS

**MULTI-POSITION**

Includes an energy efficient GE ECM Motor which in most applications enhances the SEER rating of the outdoor unit. It also slowly ramps its speed up for a quiet operation and enhanced customer satisfaction. Versatile 4-way convertible design for upflow, downflow, horizontal left and horizontal right applications. Nominal airflow up to 1.0" external static pressure. Factory installed high efficiency indoor coil. Sturdy cabinet construction with 1.0" of foil faced insulation for excellent sound and insulating characteristics. Field installed auxiliary electric heater kits provide exact heat for indoor comfort. Kits include circuit breakers which meet UL and cUL requirements for service disconnect.

| Order Number | Capacity (tons) | W x H x D (in) | Supply Duct (in) | Airflow CFM | Ship Weight (lbs) |
|---|---|---|---|---|---|
| UHKL-HM2417JA | 1 1/2 to 2 | 17 1/2 x 42 1/2 x 21 11/16 | 16 | 600-800 | 96 |
| UHKL-HM3617JA | 2 1/2 to 3 | 17 1/2 x 42 1/2 x 21 11/16 | 16 | 1,000-1,200 | 106 |
| UHKL-HM4821JA | 3 1/2 to 4 | 21 x 50 1/2 x 21 11/16 | 19 1/2 | 1,400-1,600 | 166 |
| UHKL-HM4824JA | 4 | 24 1/2 x 55 1/2 x 21 11/16 | 23 | 1,600 | 180 |
| UHKL-HM6024JA | 5 | 24 1/2 x 55 1/2 x 21 11/16 | 23 | 1,800 | 198 |

## UHSL-HM SERIES EARTH FRIENDLY R410A BI-FLOW TXV AIR HANDLERS

**MULTI-POSITION**

Includes an efficient GE's new X-13 motor which provides enhanced SEER performance with most RUUD outdoor units. 1 1/2 ton through 5 ton models are between 42 1/2 to 55 1/2 inches tall and 22 inches deep. Versatile 4-way convertible design for upflow, downflow, horizontal left and horizontal right applications. Factory-installed high efficiency indoor coil. All models meet or exceed 330 to 400 CFM per ton at .3 inches of external static pressure. Enhanced airflow up to .7 inches external static pressure. Sturdy construction with 1.0 inch of reinforced foil faced jacket insulation for excellent thermal and sound insulation. Field-installed auxiliary electric heater kits provide exact heat for indoor comfort. Kits include circuit breakers which meet UL and cUL requirements for service disconnect.

| Order Number | Capacity (tons) | W x H x D (in) | Supply Duct (in) | Airflow CFM | Ship Weight (lbs) |
|---|---|---|---|---|---|
| UHSL-HM1817JA | 1 1/2 | 17 1/2 x 42 1/2 x 21 11/16 | 16 | 600-800 | 96 |
| UHSL-HM2417JA | 2 | 17 1/2 x 42 1/2 x 21 11/16 | 16 | 600-800 | 96 |
| UHSL-HM3017JA | 2 1/2 | 17 1/2 x 42 1/2 x 21 11/16 | 16 | 1,000-1,200 | 106 |
| UHSL-HM3617JA | 3 | 17 1/2 x 42 1/2 x 21 11/16 | 16 | 1,000-1,200 | 106 |
| UHSL-HM4221JA | 3 1/2 | 21 x 50 1/2 x 21 11/16 | 19 1/2 | 1,400-1,600 | 166 |
| UHSL-HM4821JA | 4 | 21 x 50 1/2 x 21 11/16 | 23 | 1,400-1,600 | 166 |
| UHSL-HM6024JA | 5 | 24 1/2 x 55 1/2 x 21 11/16 | 23 | 1,800 | 198 |

# RUUD FURNACES

## UGFD SERIES ACHIEVER® 90 PLUS® GAS FURNACES

***DEALER PRODUCT ONLY***

### MODULATING UPFLOW WITH CONTOUR COMFORT CONTROL GAS FURNACES

Designed for utility rooms, closets, or alcoves. Because of the low-profile 34" height, the UGFD model can be used vertically to satisfy most applications that traditionally call for a horizontal furnace. The design is certified by the American Gas Association and Canadian models are certified by the Canadian Gas Association. Heat exchanger is constructed of all stainless steel for maximum corrosion resistance and thermal fatigue reliability. Modulation rate between 40% and 100% of total capacity. Reduced firing rates, electrically efficient ICM2+ motor, and solid doors provide the ultimate in quiet operation. Minimum 94% AFUE. Low speed constant fan. Constant temperature rise for superior comfort. Seven segment LED for system diagnostics. Diagnostic history for troubleshooting. Two-speed induced draft motor. Direct spark ignition with remote sense. Left or right side gas and electric inlet connections and condensate drainage allow quick and simple change. Optional indoor or outdoor combustion air. A variety of cooling coils and plenums designed to use with the Achiever 90 Plus gas furnaces are available as optional accessories. AFUE (Annual Fuel Utilization Efficiency) calculated in accordance with Department of Energy test procedures.

| | BTU/hr | | | Air Connection (in) | | |
|---|---|---|---|---|---|---|
| **Order Number** | **Input** | **Output** | **Cooling CFM** | **Supply** | **Return** | **H x D x W (in)** |
| UGFD-06EMCKS | 60,000 | 55,800 | 600 - 1,200 | 16 3/8 x 20 | 15 x 23 1/2 | 34 x 28 1/16 x 17 1/2 |
| UGFD-07EMCKS | 75,000 | 72,000 | 600 - 1200 | 16 3/8 x 20 | 15 x 23 1/2 | 34 x 28 1/16 x 17 1/2 |
| UGFD-09EZCMS | 90,000 | 86,000 | 1,200 - 2,000 | 19 7/8 x 20 | 18 1/2 x 23 1/2 | 34 x 28 1/16 x 21 |
| UGFD-10EZCMS | 105,000 | 100,000 | 1,200 - 2,000 | 19 7/8 x 20 | 18 1/2 x 23 1/2 | 34 x 28 1/16 x 21 |
| UGFD-12ERCMS | 120,000 | 115,000 | 1,200 - 2,000 | 24 1/2 x 20 | 22 x 23 1/2 | 34 x 28 1/16 x 24 1/2 |

**THERMOSTAT**

| Order Number | Description |
|---|---|
| UHC-TST411MDMS | Modulating Programmable Thermostat |

## UGGD SERIES ACHIEVER® 90 PLUS® GAS FURNACES

***DEALER PRODUCT ONLY***

### MODULATING DOWNFLOW WITH CONTOUR COMFORT CONTROL

Heat exchanger is constructed of all stainless steel for maximum corrosion resistance and thermal fatigue reliability; modulating function - when used with a modulating thermostat, modulation rate between 40% and 100% of total capacity; two-stage function - when used with a two-stage thermostat, furnace operates at 40% on low-fire, and stages up to 65%, then 100% for high fire; multistage function - when used with a single-stage thermostat, furnace operates at 40%, 65% and 100% of total capacity; reduced firing rates, electrically efficient ECM2+ motor, and solid doors provide the ultimate in quiet operation; low speed constant fan; constant temperature rise for superior comfort; seven segment LED for system diagnostics; diagnostic history for troubleshooting; two-speed induced draft motor; direct spark ignition with remote sense; top electrical connections, left or right gas and condensate drainage connections on downflow models; optional indoor or outdoor combustion air. A variety of cooling coils and plenums designed to use with the Achiever 90 Plus gas furnaces are available as optional accessories.

| | Input BTU/hr | | Heating CFM | | | |
|---|---|---|---|---|---|---|
| **Order Number** | **Input** | **Output** | **Max** | **Min** | **Cooling CFM** | **H x D x W (in)** |
| UGGD-06EMCKS | 60,000 | 54,720 | 795 | 320 | 600-1200 | 34 x 28 1/16 x 17 1/2 |
| UGGD-07EMCKS | 75,000 | 69,000 | 995 | 430 | 600-1200 | 34 x 28 1/16 x 17 1/2 |
| UGGD-09EZCMS | 90,000 | 83,160 | 1,195 | 515 | 1200-2000 | 34 x 28 1/16 x 21 |
| UGGD-10EZCMS | 105,000 | 95,865 | 1,395 | 600 | 1200-2000 | 34 x 28 1/16 x 21 |
| UGGD-12ERCMS | 120,000 | 110,880 | 1,595 | 685 | 1200-2000 | 34 x 28 1/16 x 24 1/2 |

## UGRK SERIES ACHIEVER® 90 PLUS® TWO-STAGE GAS FURNACES

**HIGH EFFICIENCY UPFLOW GAS FURNACES, 90% AFUE OR ABOVE**

Two stages of operation to save energy and maintain optimal comfort level; furnace operates at 70% capacity for low-heat and 100% capacity for high-heat; compatible with single or two-stage thermostat (for optimal performance two-stage thermostat recommended); heat exchanger is constructed of all stainless steel for maximum corrosion resistance and thermal fatigue reliability; low profile 34" design is lighter and easier to handle and leaves room for optional accessories; left or right side gas, electric and condensate drainage connections on upflow models; integrated control board manages all operational functions and provides hookups for humidifier and electronic air cleaner; an insulated blower compartment, a slow-opening gas valve and a specially designed inducer system make it one of the quietest furnaces on the market today; pre-paint galvanized steel cabinet; molded permanent filters; optional indoor or outdoor combustion air; transformer and control fuse protection; solid bottom is standard; control board diagnostics. A variety of cooling coils and plenums designed to use with the Achiever 90 Plus gas furnaces are available as optional accessories for air conditioning models.

| | BTU/hr | | CFM | | |
|---|---|---|---|---|---|
| **Model Number** | **High Fire Input** | **Low Fire Input** | **Heating** | **Cooling** | **Ship Weight (lbs)** |
| UGRK-04EMAES | 45,000 | 31,500 | 885 | 1,195 | 111 |
| UGRK-06EMAES | 60,000 | 42,000 | 845 | 1,100 | 117 |
| UGRK-07EMAES | 75,000 | 52,500 | 1,050 | 1,110 | 123 |
| UGRK-09EZAJS | 90,000 | 63,000 | 1,465 | 1,910 | 148 |
| UGRK-10EZAJS | 105,000 | 43,500 | 1,445 | 1,810 | 152 |
| UGRK-12ERAJS | 120,000 | 84,000 | 1,580 | 1,900 | 160 |

## UGTA SERIES ACHIEVER® 90 PLUS® GAS FURNACES

**HIGH EFFICIENCY DOWNFLOW / HORIZONTAL GAS FURNACES**

Designed for utility rooms, closets, or alcoves, attics or crawl spaces. Shipped in the downflow configuration and is easily converted for horizontal left-hand airflow applications. The design is certified by CSA. Heat exchanger is constructed of all stainless steel for maximum corrosion resistance and thermal fatigue reliability. Low profile 34" design is lighter and easier to handle and leaves room for optional accessories. Top electrical connections. Left or right gas and condensate drainage connections on downflow models. Condensate drain for horizontal application provided standard. Integrated control board manages all operational functions and provides hookups for humidifier and electronic air cleaner. An insulated blower compartment, a slow-opening gas valve and a specially designed inducer system make it one of the quietest furnaces on the market today. Pre-paint galvanized steel cabinet. Molded permanent filters. Optional indoor or outdoor combustion air. Transformer and control fuse protection. Control board diagnostics. All models 90% AFUE or above. A variety of cooling coils and plenums designed to use with the Achiever 90 Plus gas furnaces are available as optional accessories for air conditioning models. AFUE (Annual Fuel Utilization Efficiency) calculated in accordance with Department of Energy test procedures.

| | BTU/hr | | | Connections (in) | | |
|---|---|---|---|---|---|---|
| **Order Number** | **Input** | **Output** | **Cooling CFM** | **Supply W x L** | **Return W x L** | **H x D x W (in)** |
| UGTA-04EMAES | 45,000 | 41,000 | 1,220 | 16 5/8 x 19 7/8 | 16 11/32 x 20 1/8 | 34 x 28 1/16 x 17 1/2 |
| UGTA-06EMAES | 60,000 | 56,000 | 1,180 | 16 5/8 x 19 7/8 | 16 11/32 x 20 1/8 | 34 x 28 1/16 x 17 1/2 |
| UGTA-07EMAES | 75,000 | 69,000 | 1,150 | 16 5/8 x 19 7/8 | 16 11/32 x 20 1/8 | 34 x 28 1/16 x 17 1/2 |
| UGTA-09EZAJS | 90,000 | 84,000 | 1,850 | 20 1/8 x 19 7/8 | 19 27/32 x 20 1/8 | 34 x 28 1/16 x 21 |
| UGTA-10EZAJS | 105,000 | 97,000 | 1,820 | 20 1/8 x 19 7/8 | 19 27/32 x 20 1/8 | 34 x 28 1/16 x 21 |
| UGTA-12ERAJS | 120,000 | 112,000 | 2,040 | 23 5/8 x 19 7/8 | 23 11/32 x 20 1/8 | 34 x 28 1/16 x 24 1/2 |

# RUUD FURNACES

## UGPR SERIES TWO-STAGE GAS FURNACES WITH ECM

***DEALER PRODUCT ONLY***

**80% AFUE UPFLOW / HORIZONTAL GAS FURNACES**

Designed for installation in closets, alcoves, utility room, or attics. CSA certified. Patented heat exchanger, constructed of both stainless and aluminized steel for the maximum in corrosion resistance. Low profile 34" design is lighter and easier to handle, and leaves room for optional equipment. Energy efficient and quiet ECM2+ motor. Improves cooling efficiency when matched with rated condensing unit and coil. Self adjusting airflow. Dip switch settings for selectable heating temperature rise and cooling airflow. On-demand dehumidification terminal for improved comfort in cooling mode. High static capability. Left or right side gas and electric inlet connections. All models feature an integrated board with humidifier and electronic air cleaner hookups. Insulated blower compartment, a slow-open gas valve, specially designed draft inducer motor and blower motor make it one of the quietest furnaces on the market today. Pre-painted galvanized steel cabinet. Grab-holes in doors to aid in easy door removal and replacement. Molded permanent filter. Compatible with single or two-stage thermostat.

| | BTU/hr | | | Connections (in) | | |
|---|---|---|---|---|---|---|
| **Order Number** | **Input** | **Output** | **Cooling CFM** | **Supply W x L** | **Return W x L** | **H x D x W (in)** |
| UGPR-05EBMKR | 50,000 | 40,000 | 1,200 | 12 3/8 x 24 1/2 | 15 x 23 17/32 | 34 x 28 1/16 x 17 1/2 |
| UGPR-07EAMKR | 75,000 | 60,000 | 1,200 | 12 3/8 x 24 1/2 | 15 x 23 17/32 | 34 x 28 1/16 x 17 1/2 |
| UGPR-10EBRMR | 100,000 | 80,000 | 2,000 | 14 1/8 x 24 1/2 | 18 1/2 x 23 17/32 | 34 x 28 1/16 x 21 |
| UGPR-12EARMR | 125,000 | 100,000 | 2,000 | 15 7/8 x 24 1/2 | 22 x 23 17/32 | 34 x 28 1/16 x 24 1/2 |

## UGLR SERIES TWO-STAGE GAS FURNACES WITH ECM

**80% AFUE DOWNFLOW GAS FURNACES**

The Ruud Ultra Series Super Quiet 80 Two-Stage Downflow line of downflow gas furnace is designed for installation in closets, alcoves, utility rooms, or attics. The design is certified by CSA International. Patented heat exchanger constructed of both stainless and aluminized steel for the maximum in corrosion resistance. Low profile 34" design is lighter and easier to handle and leaves room for optional equipment. Energy efficient and quiet ECM 2+ motor. Improves cooling efficiency when matched with rated condensing unit and coil. Constant CFM. Dip switch settings for selectable cooling airflow. On-demand dehumidification terminal for improved comfort in cooling mode. Left or right side gas and electric inlet connections. All models feature an integrated board with humidifier and electronic air cleaner hookups.

| | BTU/hr | | | Connections (in) | | |
|---|---|---|---|---|---|---|
| **Order Number** | **Input** | **Output** | **Cooling CFM** | **Supply W x L** | **Return W x L** | **H x D x W (in)** |
| UGLR-07EAMKR | 75,000 | 60,000 | 1,200 | 19 27/32 x 20 1/8 | 20 1/8 x 24 1/2 | 34 x 28 1/16 x 21 |
| UGLR-10EBRMR | 100,000 | 80,000 | 2,000 | 19 27/32 x 20 1/8 | 20 1/8 x 24 1/2 | 34 x 28 1/16 x 21 |
| UGLR-12EARMR | 125,000 | 100,000 | 2,000 | 23 11/32 x 20 1/8 | 23 5/8 x 24 1/2 | 34 x 28 1/16 x 24 1/2 |

## UGPQ SERIES TWO-STAGE GAS FURNACES

**80% AFUE UPFLOW/HORIZONTAL GAS FURNACES**

The Ruud High Achiever Super Quiet 80 Two-Stage line of upflow/horizontal gas furnaces are designed for utility rooms, closets, alcoves or attics. Because of the low profile 34" height, the upflow model can also be used to satisfy most applications that traditionally call for a horizontal furnace. The design is certified by CSA International. Patented heat exchanger constructed of both stainless and aluminized steel for the maximum in corrosion resistance. Low profile 34" design is lighter and easier to handle and leaves room for optional equipment. Convertible from upflow to horizontal left or right without field conversion. Left or right side gas and electric inlet connections with quick simple change. Direct spark ignition models equipped with remote sense and feature an integrated board with humidifier and electronic air cleaner hookups. Insulated blower compartment, a two stage gas valve and a specially designed two speed draft inducer motor make it one of the quietest furnaces on the market today.

| | BTU/hr | | | Connections (in) | | |
|---|---|---|---|---|---|---|
| **Order Number** | **Input** | **Output** | **Cooling CFM** | **Supply W x L** | **Return W x L** | **H x D x W (in)** |
| UGPQ-05EAUER | 50,000 | 40,900 | 1,200 | 12 27/32 x 20 | 11 1/2 x 23 17/32 | 34 x 28 1/16 x 14 |
| UGPQ-07EAMER | 75,000 | 61,280 | 1,200 | 16 11/32 x 20 | 15 x 23 17/32 | 34 x 28 1/16 x 17 1/2 |
| UGPQ-07EAMGR | 75,000 | 61,410 | 1,600 | 16 11/32 x 20 | 15 x 23 17/32 | 34 x 28 1/16 x 17 1/2 |
| UGPQ-10EAMER | 100,000 | 81,470 | 1,200 | 16 11/32 x 20 | 15 x 23 17/32 | 34 x 28 1/16 x 17 1/2 |
| UGPQ-10EBRJR | 100,000 | 81,340 | 2,000 | 19 27/32 x 20 | 18 1/2 x 23 17/32 | 34 x 28 1/16 x 21 |
| UGPQ-12EARJR | 125,000 | 101,660 | 2,000 | 23 11/32 x 20 | 22 x 23 17/32 | 34 x 28 1/16 x 24 1/2 |
| UGPQ-15EARJR | 150,000 | 121,920 | 2,000 | 23 11/32 x 20 | 22 x 23 17/32 | 34 x 28 1/16 x 24 1/2 |

## UGLQ SERIES TWO-STAGE GAS FURNACES

**80% AFUE DOWNFLOW GAS FURNACES**

The Ruud High Achiever Super Quiet 80 Two-stage line of downflow gas furnace is designed for installation in closets, alcoves, utility rooms or attics. The design is certified by CSA International. Patented heat exchanger constructed of both stainless and aluminized steel for the maximum in corrosion resistance. Low profile 34" design is lighter and easier to handle and leaves room for optional equipment. Convertible from upflow to horizontal left or right without field conversion. Left or right side gas and electric inlet connections with quick simple change. Direct spark ignition models equipped with remote sense and feature an integrated board with humidifier and electronic air cleaner hookups. Insulated blower compartment, a two stage gas valve and a specially designed two speed draft inducer motor make it one of the quietest furnaces on the market today.

| | BTU/hr | | | Connections (in) | | |
|---|---|---|---|---|---|---|
| **Order Number** | **Input** | **Output** | **Cooling CFM** | **Supply W x L** | **Return W x L** | **H x D x W (in)** |
| UGLQ-05EAUER | 50,000 | 40,360 | 1,200 | 12 27/32 x 20 1/8 | 13 1/8 x 24 1/2 | 34 x 28 1/16 x 14 |
| UGLQ-07EAMER | 75,000 | 61,020 | 1,200 | 16 11/32 x 20 1/8 | 16 5/8 x 24 1/2 | 34 x 28 1/16 x 17 1/2 |
| UGLQ-10EAMER | 100,000 | 81,600 | 1,200 | 16 11/32 x 20 1/8 | 16 5/8 x 24 1/2 | 34 x 28 1/16 x 17 1/2 |
| UGLQ-12EARJR | 125,000 | 101,750 | 2,000 | 24 1/2 x 20 1/8 | 23 5/8 x 24 1/2 | 34 x 28 1/16 x 24 1/2 |
| UGLQ-15EARJR | 150,000 | 121,550 | 2,000 | 24 1/2 x 20 1/8 | 23 5/8 x 24 1/2 | 34 x 28 1/16 x 24 1/2 |

# RUUD FURNACES

## UGPN SERIES SUPER QUIET 80® GAS FURNACES

**80 - 81.7% AFUE UPFLOW / HORIZONTAL GAS FURNACES**

The Ruud High Achiever Super Quiet 80 Two-stage line of downflow gas furnace is designed for installation in closets, alcoves, utility rooms or attics. The design is certified by CSA International. Patented heat exchanger constructed of both stainless and aluminized steel for the maximum in corrosion resistance. Low profile 34" design is lighter and easier to handle and leaves room for optional equipment. Convertible from upflow to horizontal left or right without field conversion. Left or right side gas and electric inlet connections with quick simple change. Direct spark ignition models equipped with remote sense and feature an integrated board with humidifier and electronic air cleaner hookups. Insulated blower compartment, a two stage gas valve and a specially designed two speed draft inducer motor make it one of the quietest furnaces on the market today.

| | BTU/hr | | | Connections (in) | | |
|---|---|---|---|---|---|---|
| **Order Number** | **Input** | **Output** | **Cooling CFM** | **Supply W x L** | **Return W x L** | **H x D x W (in)** |
| UPGN-05EAUER | 50,000 | 41,000 | 1,200 | 14 x 20 | 12 x 16 | 34 x 28 1/16 x 14 |
| UPGN-07EAMER | 75,000 | 60,000 | 1,200 | 17 1/2 x 20 | 12 x 16 | 34 x 28 1/16 x 17 1/2 |
| UPGN-07EAMGR | 75,000 | 60,000 | 1,600 | 17 1/2 x 20 | 12 x 16 | 34 x 28 1/16 x 17 1/2 |
| UPGN-10EAMER | 100,000 | 80,000 | 1,200 | 17 1/2 x 20 | 12 x 16 | 34 x 28 1/16 x 17 1/2 |
| UPGN-10EBRJR | 100,000 | 81,000 | 2,000 | 21 x 20 | 20 x 16 | 34 x 28 1/16 x 21 |
| UPGN-12EARJR | 125,000 | 99,000 | 2,000 | 24 1/2 x 20 | 24 x 16 | 34 x 28 1/16 x 24 1/2 |
| UPGN-15EARJR | 150,000 | 119,000 | 2,000 | 24 1/2 x 20 | 24 x 16 | 34 x 28 1/16 x 24 1/2 |

## UGLN SERIES SUPER QUIET 80® GAS FURNACES

**80 - 82.2% AFUE DOWNFLOW GAS FURNACES**

Patented Turbulex® Heat Exchanger. Low profile "34 inch" design is lighter and easier to handle, and leaves room for optional equipment. Insulated blower compartment. Direct spark ignition models and integrated board with humidifier and electronic air cleaner hookups. Molded permanent filter.

| | BTU/hr | | | Connections (in) | | |
|---|---|---|---|---|---|---|
| **Order Number** | **Input** | **Output** | **Cooling CFM** | **Supply W x L** | **Return W x L** | **H x D x W (in)** |
| UGLN-05EAUEA | 50,000 | 41,000 | 1,200 | 13 1/8 x 19 3/4 | 12 27/32 x 20 1/8 | 34 x 28 1/16 x 14 |
| UGLN-07EAUEA | 75,000 | 60,000 | 1,200 | 16 5/8 x 19 3/4 | 1 611/32 x 20 1/8 | 34 x 28 1/16 x 17 1/2 |
| UGLN-10EAMER | 100,000 | 80,000 | 1,200 | 16 5/8 x 19 3/4 | 1 611/32 x 20 1/8 | 34 x 28 1/16 x 17 1/2 |
| UGLN-12EARJR | 125,000 | 99,000 | 2,000 | 23 5/8 x 19 3/4 | 23 11/32 x 20 1/2 | 34 x 28 1/16 x 24 1/2 |
| UGLN-15EARJR | 150,000 | 120,000 | 2,000 | 23 5/8 x 19 3/4 | 23 11/32 x 20 1/2 | 34 x 28 1/16 x 24 1/2 |

## RRNL R410A SUPER HIGH EFFICIENCY 13 SEER SERIES

**SIZES 2 TO 5 TONS**

All models feature Scroll compressors for maximum efficiency and quiet operation. 5 Ton RRNL/RRPL and RRRL models feature Ultra Tech Scroll 2-stage compressors with Comfort Alert diagnostics, high/low pressure switches and hard start kits. Louvered condenser compartment for protecting the coil against yard hazards and/or weather extremes. One-piece top with a deep flange to help keep water out of the unit. Supply and return air openings feature a one-inch tall flange to prevent water migration into the ductwork. Access panels have “weep holes” and channels to further help manager water run-off.

**PERFORMANCE DATA**

| Order Number | Input | Output | Cooling BTU/hr | EER | SEER | Sound Rating | Indoor CFM |
|---|---|---|---|---|---|---|---|
| RRNL-B024JK08E | 80,000 | 62,000 | 24,400 | 11.1 | 13 | 76 | 787 |
| RRNL-B030JK10E | 100,000 | 77,000 | 29,800 | 11.1 | 13 | 76 | 953 |
| RRNL-B036CK10 | 100,000 | 81,000 | 37,000 | 11.3 | 13 | 76 | 1187 |
| RRNL-B036JK10E | 100,000 | 77,000 | 37,000 | 11.3 | 13 | 76 | 1187 |
| RRNL-B042CK10 | 100,000 | 81,000 | 44,000 | 11.2 | 13 | 76 | 1400 |
| RRNL-B042JK10E | 100,000 | 77,000 | 44,000 | 11.2 | 13 | 76 | 1400 |
| RRNL-B048CK10 | 100,000 | 81,000 | 50,000 | 11.2 | 13 | 78 | 1600 |
| RRNL-B048JK10E | 100,000 | 77,000 | 50,000 | 11.2 | 13 | 78 | 1600 |
| RRNL-B060CK10 | 100,000 | 81,000 | 59,500 | 10.5 | 13 | 78 | 1850 |
| RRNL-B060JK10E | 100,000 | 77,000 | 59,500 | 10.5 | 13 | 78 | 1850 |

**ELECTRICAL DATA**

| | | | Fuse or HACR Circuit Breaker | |
|---|---|---|---|---|
| Order Number | Voltage | Min Circuit Amps | Min Amps | Max Amps |
| RRNL-B024JK08E | 208-230 1 Ph | 19 | 20 | 30 |
| RRNL-B030JK10E | 208-230 1 Ph | 22 | 25 | 35 |
| RRNL-B036CK10 | 208-230 3 Ph | 17 | 20 | 25 |
| RRNL-B036JK10E | 208-230 1 Ph | 25 | 25 | 40 |
| RRNL-B042CK10 | 208-230 3 Ph | 22 | 25 | 30 |
| RRNL-B042JK10E | 208-230 1 Ph | 27 | 30 | 40 |
| RRNL-B048CK10 | 208-230 3 Ph | 24 | 25 | 35 |
| RRNL-B048JK10E | 208-230 1 Ph | 34 | 35 | 50 |
| RRNL-B060CK10 | 208-230 3 Ph | 32 | 35 | 45 |
| RRNL-B060JK10E | 208-230 1 Ph | 42 | 35 | 60 |

**PHYSICAL DATA**

| Order Number | Condenser | Blower | Drive Type | Filter No. + Size | Ship Weight (lbs) |
|---|---|---|---|---|---|
| RRNL-B024JK08E | 1/3 | 1/4 | Direct | (1) 1 x 20 x 20 | 430 |
| RRNL-B030JK10E | 1/3 | 1/2 | Direct | (1) 1 x 24 x 24 | 454 |
| RRNL-B036CK10 | 1/3 | 1/2 | Direct | (1) 1 x 24 x 24 | 462 |
| RRNL-B036JK10E | 1/3 | 1/2 | Direct | (1) 1 x 24 x 24 | 466 |
| RRNL-B042CK10 | 1/3 | 1/2 | Direct | (1) 1 x 24 x 24 | 477 |
| RRNL-B042JK10E | 1/3 | 1/2 | Direct | (1) 1 x 24 x 24 | 477 |
| RRNL-B048CK10 | 1/3 | 3/4 | Direct | (1) 1 x 24 x 24 | 502 |
| RRNL-B048JK10E | 1/3 | 3/4 | Direct | (1) 1 x 24 x 24 | 511 |
| RRNL-B060CK10 | 1/3 | 1 | Direct | (1) 1 x 24 x 30 | 577 |
| RRNL-B060JK10E | 1/3 | 1 | Direct | (1) 1 x 24 x 30 | 577 |

# RUUD HEAT / COOL PACKAGED UNITS

## RRNA R22 SUPER HIGH EFFICIENCY 13 SEER SERIES

**SIZES 2 TO 5 TONS**

All models feature Copeland Scroll compressors for maximum efficiency and quiet operation. Louvered condenser compartment for protecting the coil against yard hazards and/or weather extremes. One-piece top with a drip lip to help keep water off of the unit sides. Supply and return air openings feature a one-inch tall flange to prevent water migration into the ductwork. Access panels have “weep holes” and channels to further help manage water run-off. Side and down discharge options available on all models.

**PERFORMANCE DATA**

| | Capacity BTU/hr | | | | | | |
|---|---|---|---|---|---|---|---|
| Order Number | Total Cap | Net Sens | Net Latent | EER | SEER | Sound Rating | Indoor CFM |
| RRNA-B024JK04EAJA | 24,800 | 17,171 | 6,829 | 11.8 | 13 | 76 | 800 |
| RRNA-B024JK06EAJA | 24,800 | 17,171 | 6,829 | 11.8 | 13 | 76 | 800 |
| RRNA-B024JK08EAJA | 24,800 | 17,171 | 6,829 | 11.8 | 13 | 76 | 800 |
| RRNA-B030JK06EAJA | 31,200 | 20,984 | 9,016 | 11.1 | 13 | 76 | 1000 |
| RRNA-B030JK08EAJA | 31,200 | 20,984 | 9,016 | 11.1 | 13 | 76 | 1000 |
| RRNA-B036JK08EAJA | 37,400 | 25,736 | 10,264 | 11.7 | 13 | 76 | 1200 |
| RRNA-B036CK10EAJA | 37,400 | 25,736 | 10,264 | 11.7 | 13 | 76 | 1200 |
| RRNA-B036JK10EAJA | 37,400 | 25,736 | 10,264 | 11.7 | 13 | 76 | 1200 |
| RRNA-B042JK08EAJA | 42,500 | 28,511 | 12,489 | 11.5 | 13 | 76 | 1400 |
| RRNA-B042CK10EAJA | 42,500 | 28,511 | 12,489 | 11.5 | 13 | 76 | 1400 |
| RRNA-B042JK10EAJA | 42,500 | 28,511 | 12,489 | 11.5 | 13 | 76 | 1400 |
| RRNA-B048CK08EAJA | 50,500 | 34,516 | 13,984 | 11.6 | 13 | 78 | 1600 |
| RRNA-B048CK10EAJA | 50,500 | 34,516 | 13,984 | 11.6 | 13 | 78 | 1600 |
| RRNA-B048JK10EAJA | 50,500 | 34,516 | 13,984 | 11.6 | 13 | 78 | 1600 |
| RRNA-C060CK10EAJA | 60,000 | 40,561 | 17,439 | 11.1 | 13 | 78 | 2000 |
| RRNA-C060JK10EAJA | 60,000 | 40,561 | 17,439 | 11.1 | 13 | 78 | 2000 |

**ELECTRICAL DATA**

| | | Compressor | | Motor FLA | | | Fuse or HACR Circuit Breaker | |
|---|---|---|---|---|---|---|---|---|
| Order Number | Voltage | RLA | LRA | Fan | Blower | Min Circuit Amps | Min Amps | Max Amps |
| RRNA-B024JK04EAJA | 208-230 1 Ph | 10.4 | 54 | 1.3 | 1.3 | 16 | 20 | 25 |
| RRNA-B024JK06EAJA | 208-230 1 Ph | 10.4 | 54 | 1.3 | 1.3 | 16 | 20 | 25 |
| RRNA-B024JK08EAJA | 208-230 1 Ph | 10.4 | 54 | 1.3 | 1.3 | 16 | 20 | 25 |
| RRNA-B030JK06EAJA | 208-230 1 Ph | 14.1 | 68 | 1.3 | 2.4 | 22 | 25 | 35 |
| RRNA-B030JK08EAJA | 208-230 1 Ph | 14.1 | 68 | 1.3 | 2.4 | 22 | 25 | 35 |
| RRNA-B036JK08EAJA | 208-230 1 Ph | 14.4 | 77 | 1.3 | 2.4 | 22 | 30 | 35 |
| RRNA-B036CK10EAJA | 208-230 3 Ph | 9.6 | 73 | 1.3 | 2.4 | 16 | 20 | 25 |
| RRNA-B036JK10EAJA | 208-230 1 Ph | 14.4 | 77 | 1.3 | 2.4 | 22 | 30 | 35 |
| RRNA-B042JK08EAJA | 208-230 1 Ph | 16.5 | 95 | 2 | 2.4 | 26 | 30 | 40 |
| RRNA-B042CK10EAJA | 208-230 3 Ph | 10.3 | 77 | 2 | 2.4 | 18 | 20 | 25 |
| RRNA-B042JK10EAJA | 208-230 1 Ph | 16.5 | 95 | 2 | 2.4 | 26 | 30 | 40 |
| RRNA-B048CK08EAJA | 208-230 3 Ph | 12.2 | 80.8 | 2 | 4.4 | 22 | 25 | 30 |
| RRNA-B048CK10EAJA | 208-230 3 Ph | 12.2 | 80.8 | 2 | 4.4 | 22 | 25 | 30 |
| RRNA-B048JK10EAJA | 208-230 1 Ph | 20.2 | 137 | 2 | 4.4 | 32 | 40 | 50 |
| RRNA-C060CK10EAJA | 208-230 3 Ph | 17.3 | 123 | 2 | 9.1 | 33 | 40 | 50 |
| RRNA-C060JK10EAJA | 208-230 1 Ph | 25 | 148 | 2 | 9.1 | 43 | 50 | 60 |

**PHYSICAL DATA**

| | | Capacity BTU/hr | | | Weight (lbs) | |
|---|---|---|---|---|---|---|
| Order Number | Drive Type | Condenser | Blower | Filter No. + Size | Net | Ship |
| RRNA-B024JK04EAJA | Direct | 1/3 | 1/4 | (1) 1 x 20 x 20 | 381 | 421 |
| RRNA-B024JK06EAJA | Direct | 1/3 | 1/4 | (1) 1 x 20 x 20 | 385 | 425 |
| RRNA-B024JK08EAJA | Direct | 1/3 | 1/4 | (1) 1 x 20 x 20 | 390 | 430 |
| RRNA-B030JK06EAJA | Direct | 1/3 | 1/2 | (1) 1 x 24 x 24 | 404 | 444 |
| RRNA-B030JK08EAJA | Direct | 1/3 | 1/2 | (1) 1 x 24 x 24 | 409 | 449 |
| RRNA-B036JK08EAJA | Direct | 1/3 | 1/2 | (1) 1 x 24 x 24 | 417 | 457 |
| RRNA-B036CK10EAJA | Direct | 1/3 | 1/2 | (1) 1 x 24 x 24 | 426 | 466 |
| RRNA-B036JK10EAJA | Direct | 1/3 | 1/2 | (1) 1 x 24 x 24 | 422 | 462 |
| RRNA-B042JK08EAJA | Direct | 1/3 | 1/2 | (1) 1 x 24 x 24 | 432 | 472 |
| RRNA-B042CK10EAJA | Direct | 1/3 | 1/2 | (1) 1 x 24 x 24 | 437 | 477 |
| RRNA-B042JK10EAJA | Direct | 1/3 | 1/2 | (1) 1 x 24 x 24 | 437 | 477 |
| RRNA-B048CK08EAJA | Direct | 1/3 | 3/4 | (1) 1 x 24 x 24 | 457 | 497 |
| RRNA-B048CK10EAJA | Direct | 1/3 | 3/4 | (1) 1 x 24 x 24 | 462 | 502 |
| RRNA-B048JK10EAJA | Direct | 1/3 | 3/4 | (1) 1 x 24 x 24 | 471 | 511 |
| RRNA-C060CK10EAJA | Direct | 1/3 | 1 | (1) 1 x 24 x 30 | 532 | 577 |
| RRNA-C060JK10EAJA | Direct | 1/3 | 1 | (1) 1 x 24 x 30 | 532 | 577 |

## RKMB SERIES HIGH EFFICIENCY HEAT/COOL PACKAGE UNITS

**SIZES 7 1/2 TO 20 TONS**

Two-stage gas-valve and two stage cooling for superior comfort at minimum operating cost. Hinged access panels for convenience. Front access, slide out blower assembly for easy maintenance. Convertible airflow. Solid-state furnace control with diagnostic LED for easy troubleshooting. Factory installed 2" filters. Externally mounted refrigerant gauge ports. ***Stocked units have stainless steel heat exchangers and full modulating economizers.***

**PERFORMANCE DATA**

| | Cooling Capacity BTU/hr | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Order Number | Total Cap | Net Sens | Net Latent | EER | Heating Output | High Input | S.S. Eff. (%) | Indoor CFM |
| RKMB-A090CL15EAJB | 90,000 | 68,000 | 22,000 | 10.3 | 121,500 | 150,000 | 81 | 3,200 |
| RKMB-A090CL22EAJB | 90,000 | 68,000 | 22,000 | 10.3 | 182,250 | 225,000 | 81 | 3,200 |
| RKMB-A090YM22EAJB | 90,000 | 68,000 | 22,000 | 10.0 | 182,250 | 225,000 | 81 | 3,200 |
| RKMB-A120CL15EAJB | 120,000 | 88,000 | 32,000 | 10.3 | 121,500 | 150,000 | 81 | 4,000 |
| RKMB-A120CM15EAJB | 120,000 | 88,000 | 32,000 | 10.3 | 121,500 | 150,000 | 81 | 4,000 |
| RKMB-A120CM22EAJB | 120,000 | 88,000 | 32,000 | 10.3 | 182,250 | 225,000 | 81 | 4,000 |
| RKMB-A120YM22EAJB | 120,000 | 88,000 | 32,000 | 10.3 | 182,250 | 225,000 | 81 | 4,000 |
| RKMB-A150CL15EAJB | 146,000 | 104,000 | 42,000 | 9.7 | 121,500 | 150,000 | 81 | 4,300 |
| RKMB-A150YM25EAJB | 146,000 | 104,000 | 42,000 | 9.7 | 204,000 | 252,000 | 81 | 4,300 |
| RKMB-A180CL25EAJB | 180,000 | 134,000 | 46,000 | 10.2 | 203,000 | 250,000 | 81 | 6,000 |
| RKMB-A180YM35EAJB | 180,000 | 134,000 | 46,000 | 10.2 | 284,000 | 350,000 | 81 | 6,000 |
| RKMB-A240CL30EAJB | 232,000 | 168,000 | 64,000 | 9.7 | 243,000 | 300,000 | 81 | 7,400 |
| RKMB-A240YL30EAJB | 232,000 | 168,000 | 64,000 | 9.7 | 243,000 | 300,000 | 81 | 7,400 |
| RKMB-A240YM40EAJB | 232,000 | 168,000 | 64,000 | 9.7 | 324,000 | 400,000 | 81 | 7,400 |

**ELECTRICAL DATA**

| | | Compressor | | Evaporator Fan | | | Fuse or HACRCircuit Breaker | |
|---|---|---|---|---|---|---|---|---|
| Order Number | Voltage | RLA | LRA | LRA | RLA | Min Circuit Amps | Max | Min |
| RKMB-A090CL15EAJB | 208-230 3 Ph | 13 | 88 | 3 | 8 | 44 | 50A | 50A |
| RKMB-A090CL22EAJB | 208-230 3 Ph | 13 | 88 | 3 | 8 | 44 | 50A | 50A |
| RKMB-A090YM22EAJB | 575V 3 Ph | 5 | 34 | 6 | 8 | 22 | 25A | 25A |
| RKMB-A120CL15EAJB | 208-230 3 Ph | 17 | 128 | 3 | 8 | 53 | 60A | 60A |
| RKMB-A120CM15EAJB | 208-230 3 Ph | 17 | 128 | 3 | 13 | 58 | 70A | 70A |
| RKMB-A120CM22EAJB | 208-230 3 Ph | 17 | 128 | 2 | 4 | 58 | 70A | 70A |
| RKMB-A120YM22EAJB | 575V 3 Ph | 7 | 49.4 | 2 | 7 | 26 | 30A | 30A |
| RKMB-A150CL15EAJB | 208-230 3 Ph | 21.9 | 156 | 1 | 5.1 | 71 | 90A | 90A |
| RKMB-A150YM25EAJB | 575V 3 Ph | 8.9 | 54 | 2.4 | 9.2 | 31 | 35A | 35A |
| RKMB-A180CL25EAJB | 208-230 3 Ph | 12.4 | 88 | 3 | 15 | 74 | 80A | 80A |
| RKMB-A180YM35EAJB | 575V 3 Ph | 5 | 34 | 3 | 13 | 34 | 35A | 35A |
| RKMB-A240CL30EAJB | 208-230 3 Ph | 17.3 | 123 | 2.4 | 12.8 | 98 | 110A | 110A |
| RKMB-A240YL30EAJB | 575V 3 Ph | 7.1 | 50 | 2 | 4 | 43 | 45A | 45A |
| RKMB-A240YM40EAJB | 575V 3 Ph | 7.1 | 50 | 2 | 4 | 43 | 45A | 50A |

**PHYSICAL DATA**

| Order Number | Drive Type | Filter No. + Size | R22 Each Circuit (oz) | L x W x H (IN) | Ship Weight (lbs) |
|---|---|---|---|---|---|
| RKMB-A090CL15EAJB | Belt | (6) 2 x 18 x 18 | 69 | 93 11/16 x 58 3/4 x 44 | 1,085 |
| RKMB-A090CL22EAJB | Belt | (6) 2 x 18 x 18 | 69 | 93 11/16 x 58 3/4 x 44 | 1,121 |
| RKMB-A090YM22EAJB | Belt - High Static | (6) 2 x 18 x 18 | 69 | 93 11/16 x 58 3/4 x 44 | 1,129 |
| RKMB-A120CL15EAJB | Belt | (6) 2 x 18 x 18 | 173 | 93 11/16 x 58 3/4 x 44 | 1,162 |
| RKMB-A120CM15EAJB | Belt - High Static | (6) 2 x 18 x 18 | 173 | 93 11/16 x 58 3/4 x 44 | 1,188 |
| RKMB-A120CM22EAJB | Belt - High Static | (6) 2 x 18 x 18 | 173 | 93 11/16 x 58 3/4 x 44 | 1,224 |
| RKMB-A120YM22EAJB | Belt - High Static | (6) 2 x 18 x 18 | 173 | 93 11/16 x 58 3/4 x 44 | 1,224 |
| RKMB-A150CL15EAJB | Belt | (6) 2 x 18 x 18 | 192 | 93 11/16 x 58 3/4 x 44 | 1,179 |
| RKMB-A150YM25EAJB | Belt - High Static | (6) 2 x 18 x 18 | 192 | 93 11/16 x 58 3/4 x 44 | 1,205 |
| RKMB-A180CL25EAJB | Belt | (3) 2 x 18 x 18 (3) 2 x 18 x 24 | 82/72 | 93 11/16 x 58 3/4 x 44 | 1,702 |
| RKMB-A180YM35EAJB | Belt - High Static | (3) 2 x 18 x 18 (3) 2 x 18 x 24 | 82/72 | 93 11/16 x 58 3/4 x 44 | 2,091 |
| RKMB-A240CL30EAJB | Belt | (3) 2 x 18 x 18 (3) 2 x 18 x 24 | 117/107 | 93 11/16 x 58 3/4 x 44 | 1,900 |
| RKMB-A240YL30EAJB | Belt | (3) 2 x 18 x 18 (3) 2 x 18 x 24 | 117/107 | 93 11/16 x 58 3/4 x 44 | 1,900 |
| RKMB-A240YM40EAJB | Belt - High Static | (3) 2 x 18 x 18 (3) 2 x 18 x 24 | 117/107 | 93 11/16 x 58 3/4 x 44 | 2,262 |

**FIELD INSTALLED ACCESSORY EQUIPMENT**

| Order Number | Description |
|---|---|
| RXKG-CAE14 | 14" Roofcurb |
| RXRD-MDCM3 | Economizer with single enthalpy |
| RXRF-FDA1 | Manual fresh air |
| RXRF-FDB1 | Motorized fresh air |

| Order Number | Description |
|---|---|
| RXRX-AAD01C | Outdoor coil louver kit |
| RXRX-AR01 | Carbon dioxide sensor |
| RXRX-BFF02C | Power exhaust |
| RXRZ-A90 | Low ambient control kit |

# RUUD COOLING ONLY PACKAGED UNITS

## RSNL R410A SUPER HIGH EFFICIENCY 13 SEER SERIES

**SIZES 2 TO 5 TONS**

All models feature Copeland Scroll compressors for maximum efficiency and quiet operation. 5 ton models feature Scroll Ultra Tech 2-Stage compressors with Comfort Alert diagnostics, high/low pressure switches and hard start Kits. Louvered condenser compartment for protecting the coil against yard hazards and/or weather extremes. One-piece top with a drip lip to help keep water off the unit sides. Supply and return air openings feature a one-inch tall flange to prevent water migration into the ductwork. Access panels have “weep holes” and channels to further help manage water run-off. Side and down discharge options available on all models. Easily accessible blower section complete with slide-out blower. Refrigerant connections are conveniently located for easy service diagnostics. Condenser and evaporator coils feature enhanced fins for better heat transfer and rifled copper tubing for greater efficiency. Supplemental electric heat strips up to 15 kW are available (field or factory installed) for periods of extreme cold temperatures. Single point wiring simplifies installation. All units feature an internal trap on the condensate line eliminating the need for installing an on-site external trap. Easily accessible control box. Thermal expansion valve standard on all models for superior superheat control, reliability and energy efficiency at all operating conditions. Filter drier standard on all models. Rugged baserail included for improved installation and handling.

**PERFORMANCE DATA**

| | Cooling Capacity BTU/hr | | | | | |
|---|---|---|---|---|---|---|
| Order Number | Total Cap | Net Sens | Net Latent | EER | SEER | Sound Rating |
| RSNL-B024JK | 24,400 | 17,340 | 6,260 | 11.1 | 13 | 76 |
| RSNL-B030JK | 29,800 | 20,810 | 7,790 | 11.1 | 13 | 76 |
| RSNL-B036CK | 37,000 | 26,390 | 9,210 | 11.3 | 13 | 76 |
| RSNL-B036JK | 37,000 | 26,390 | 9,210 | 11.3 | 13 | 76 |
| RSNL-B042CK | 44,000 | 30,510 | 11,490 | 11.2 | 13 | 76 |
| RSNL-B042JK | 44,000 | 30,510 | 11,490 | 11.2 | 13 | 76 |
| RSNL-B048CK | 50,000 | 33,990 | 14,040 | 11.2 | 13 | 78 |
| RSNL-B048JK | 50,000 | 33,990 | 14,010 | 11.2 | 13 | 78 |
| RSNL-B060CK | 59,500 | 40,460 | 17,040 | 10.5 | 13 | 78 |
| RSNL-B060JK | 59,500 | 40,460 | 17,040 | 10.5 | 13 | 78 |

**ELECTRICAL DATA**

| | | | Fuse or HACR Circuit Breaker | |
|---|---|---|---|---|
| Order Number | Voltage | Min Circuit Amps | Min Amps | Max Amps |
| RSNL-B024JK | 208-230 1 Ph | 19 | 20 | 30 |
| RSNL-B030JK | 208-230 1 Ph | 22 | 25 | 35 |
| RSNL-B036CK | 208-230 3 Ph | 17 | 20 | 25 |
| RSNL-B036JK | 208-230 1 Ph | 25 | 25 | 40 |
| RSNL-B042CK | 208-230 3 Ph | 22 | 25 | 30 |
| RSNL-B042JK | 208-230 1 Ph | 27 | 30 | 40 |
| RSNL-B048CK | 208-230 3 Ph | 24 | 25 | 35 |
| RSNL-B048JK | 208-230 1 Ph | 34 | 35 | 50 |
| RSNL-B060CK | 208-230 3 Ph | 32 | 35 | 45 |
| RSNL-B060JK | 208-230 1 Ph | 42 | 45 | 60 |

**PHYSICAL DATA**

| Order Number | Condenser | Blower | Drive Type | Filter No. + Size | Ship Weight (lbs) |
|---|---|---|---|---|---|
| RSNL-B024JK | 1/5 | 1/4 | Direct | (1) 1 x 20 x 20 | 421 |
| RSNL-B030JK | 1/5 | 1/2 | Direct | (1) 1 x 20 x 20 | 439 |
| RSNL-B036CK | 1/5 | 1/2 | Direct | (1) 1 x 24 x 24 | 452 |
| RSNL-B036JK | 1/5 | 1/2 | Direct | (1) 1 x 24 x 24 | 452 |
| RSNL-B042CK | 1/3 | 1/2 | Direct | (1) 1 x 24 x 24 | 462 |
| RSNL-B042JK | 1/3 | 1/2 | Direct | (1) 1 x 24 x 24 | 462 |
| RSNL-B048CK | 1/3 | 3/4 | Direct | (1) 1 x 24 x 24 | 492 |
| RSNL-B048JK | 1/3 | 3/4 | Direct | (1) 1 x 24 x 24 | 501 |
| RSNL-B060CK | 1/3 | 1 | Direct | (1) 1 x 24 x 24 | 577 |
| RSNL-B060JK | 1/3 | 1 | Direct | (1) 1 x 24 x 24 | 577 |

## RSNA R22 SUPER HIGH EFFICIENCY 13 SEER SERIES

**SIZES 2 TO 5 TONS**

All models feature Copeland Scroll compressors for maximum efficiency and quiet operation. Louvered condenser compartment for protecting the coil against yard hazards and/or weather extremes. One-piece top with a drip lip to help keep water off of the unit sides. Supply and return air openings feature a one-inch tall flange to prevent water migration into the ductwork. Access panels have “weep holes” and channels to further help manage water run-off. Side and down discharge options available on all models. Easily accessible blower section complete with slide-out blower. Refrigerant connections are conveniently located for easy service diagnostics. Condenser and evaporator coils feature enhanced fins for better heat transfer and rifled copper tubing for greater efficiency. Supplemental electric heat strips up to 15 kW are available (field or factory installed) for periods of extreme cold temperatures. Single point wiring makes installation even easier. All units feature an internal trap on the condensate line eliminating the need for installing an on-site external trap. Easily accessible control box.

**PERFORMANCE DATA**

| | Capacity BTU/hr | | | | | | |
|---|---|---|---|---|---|---|---|
| Order Number | Total Cap | Net Sens | Net Latent | EER | SEER | Sound Rating | Indoor CFM |
| RSNA-B024JK000 | 24,800 | 17,171 | 6,829 | 11.8 | 13 | 76 | 800 |
| RSNA-B024CK000 | 24,800 | 17,171 | 6,829 | 11.8 | 13 | 76 | 800 |
| RSNA-B030JK000 | 31,200 | 20,984 | 9,016 | 11.1 | 13 | 76 | 1000 |
| RSNA-B030CK000 | 31,200 | 20,984 | 9,016 | 11.1 | 13 | 76 | 1000 |
| RSNA-B036JK000 | 37,400 | 25,736 | 10,264 | 11.7 | 13 | 76 | 1200 |
| RSNA-B036CK000 | 37,400 | 25,736 | 10,264 | 11.7 | 13 | 76 | 1200 |
| RSNA-B042JK000 | 42,500 | 28,511 | 12,489 | 11.5 | 13 | 76 | 1400 |
| RSNA-B042CK000 | 42,500 | 28,511 | 12,489 | 11.5 | 13 | 76 | 1400 |
| RSNA-B048JK000 | 50,500 | 34,516 | 13,984 | 11.6 | 13 | 78 | 1600 |
| RSNA-B048CK000 | 50,500 | 34,516 | 13,984 | 11.6 | 13 | 78 | 1600 |
| RSNA-B060JK000 | 60,000 | 40,561 | 17,439 | 11.1 | 13 | 78 | 2000 |
| RSNA-B060CK000 | 60,000 | 40,561 | 17,439 | 11.1 | 13 | 78 | 2000 |

**ELECTRICAL DATA**

| | | Compressor | | Motor FLA | | | Fuse or HACR Circuit Breaker |
|---|---|---|---|---|---|---|---|
| Order Number | Voltage | RLA | LRA | Fan | Blower | Min Circuit Amps | Min Amps |
| RSNA-B024JK000 | 208-230 1 Ph | 10.4 | 54 | 1.3 | 1.3 | 16 | 20 |
| RSNA-B024CK000 | 208-230 3 Ph | 10.4 | 54 | 1.3 | 1.3 | 16 | 20 |
| RSNA-B030JK000 | 208-230 1 Ph | 14.1 | 68 | 1.3 | 2.4 | 16 | 25 |
| RSNA-B030CK000 | 208-230 3 Ph | 14.1 | 68 | 1.3 | 2.4 | 22 | 25 |
| RSNA-B036JK000 | 208-230 1 Ph | 14.4 | 77 | 1.3 | 2.4 | 22 | 30 |
| RSNA-B036CK000 | 208-230 3 Ph | 9.6 | 88 | 1.3 | 2.4 | 16 | 20 |
| RSNA-B042JK000 | 208-230 1 Ph | 16.5 | 95 | 3.9 | 2.4 | 26 | 30 |
| RSNA-B042CK000 | 208-230 3 Ph | 10.3 | 77 | 3.9 | 2.4 | 18 | 20 |
| RSNA-B048JK000 | 208-230 1 Ph | 20.2 | 137 | 3.9 | 4.4 | 32 | 40 |
| RSNA-B048CK000 | 208-230 3 Ph | 12.2 | 80.8 | 3.9 | 4.4 | 22 | 25 |
| RSNA-B060JK000 | 208-230 1 Ph | 25 | 148 | 3.9 | 2.8 | 37 | 45 |
| RSNA-B060CK000 | 208-230 3 Ph | 17.3 | 123 | 3.9 | 2.8 | 27 | 35 |

**PHYSICAL DATA**

| | | Motor HP | | | Weight lbs | |
|---|---|---|---|---|---|---|
| Order Number | Drive Type | Condenser | Blower | Filter No. + Size | Net | Ship |
| RSNA-B024JK000 | Direct | 1/5 | 1/4 | (1) 1 x 20 x 20 | 370 | 379 |
| RSNA-B024CK000 | Direct | 1/5 | 1/4 | (1) 1 x 20 x 20 | 370 | 379 |
| RSNA-B030JK000 | Direct | 1/5 | 1/2 | (1) 1 x 24 x 24 | 379 | 388 |
| RSNA-B030CK000 | Direct | 1/5 | 1/2 | (1) 1 x 24 x 24 | 379 | 388 |
| RSNA-B036JK000 | Direct | 1/5 | 1/2 | (1) 1 x 24 x 24 | 392 | 401 |
| RSNA-B036CK000 | Direct | 1/5 | 1/2 | (1) 1 x 24 x 24 | 392 | 401 |
| RSNA-B042JK000 | Direct | 1/3 | 1/2 | (1) 1 x 24 x 24 | 447 | 456 |
| RSNA-B042CK000 | Direct | 1/3 | 1/2 | (1) 1 x 24 x 24 | 447 | 456 |
| RSNA-B048JK000 | Direct | 1/3 | 3/4 | (1) 1 x 24 x 24 | 499 | 508 |
| RSNA-B048CK000 | Direct | 1/3 | 3/4 | (1) 1 x 24 x 24 | 499 | 508 |
| RSNA-B060JK000 | Direct | 1/3 | 1 | (1) 1 x 24 x 30 | 521 | 530 |
| RSNA-B060CK000 | Direct | 1/3 | 1 | (1) 1 x 24 x 30 | 521 | 530 |

# RUUD COOLING ONLY PACKAGED UNITS

## RLNL R410A SUPER HIGH EFFICIENCY 13 SEER COMMERCIAL SERIES

### SIZES 3 TO 5 TONS

All models feature Copeland Scroll compressors offering maximum reliability, efficiency and quiet operation. One-piece top over the indoor section with drip lip, drawn painted base pan, and 1" (25.4 mm) raised flanges for supply/return air connections provides superior water management. Convertible horizontal and vertical airflow design allows maximum field flexibility and minimizes inventory requirements. Standard full perimeter forkable baserail with lifting holes for easier maneuvering and installations. Factory installed one-inch (25.4 mm) throw away filter with provisions for two-inch (50.8 mm) filter. Direct or belt drive options to accommodate a wide range of design conditions as high as 1.5 inches (.37 kPa) of external static pressure. Easily removable filter, blower, electric heat and compressor/control access panels permits prompt service. Number and colour coded wiring helps facilitate service and maintenance. Common cabinet and components allows for installation flexibility and fewer parts to inventory. Standard freeztat control offers evaporator coil freeze protection. Externally mounted refrigerant gauge ports for easy service diagnostics. Side and base electric power entry helps minimize roof penetrations. Quick assembly common roof curbs help save field labour and maximize size flexibility. Factory or field installed electric heat kits available up to 24 kW. Easy to install plug-in, slip-in 100% fully modulating economizers. Quality powder paint finish offers long lasting protection against extreme weather conditions and is able to withstand 1000 HR salt spray test. ***HIGH STATIC DRIVES ARE AVAILABLE***

**PERFORMANCE DATA**

| | Capacity BTU/hr | | | | | | |
|---|---|---|---|---|---|---|---|
| Order Number | Total Cap | Net Sens | Net Latent | EER | SEER | Sound Rating | Indoor CFM |
| RLNL-A036CK000 | 36,800 | 26,200 | 9,200 | 11.4 | 13 | 78 | 1200 |
| RLNL-A036CL000 | 36,800 | 26,200 | 9,200 | 11.4 | 13 | 78 | 1200 |
| RLNL-A036JK000 | 36,800 | 26,200 | 9,200 | 11.4 | 13 | 78 | 1200 |
| RLNL-A036YL000 | 42,500 | 26,200 | 9,200 | 11.4 | 13 | 78 | 1200 |
| RLNL-A042CK000 | 42,500 | 30,600 | 9,900 | 11.2 | 13 | 78 | 1400 |
| RLNL-A042CL000 | 42,500 | 30,600 | 9,900 | 11.2 | 13 | 78 | 1400 |
| RLNL-A042JK000 | 50,000 | 30,600 | 9,900 | 11.2 | 13 | 78 | 1400 |
| RLNL-A048CK000 | 50,000 | 35,600 | 12,400 | 11.45 | 13 | 78 | 1600 |
| RLNL-A048CL000 | 50,000 | 35,600 | 12,400 | 11.45 | 13 | 78 | 1600 |
| RLNL-A048JK000 | 50,000 | 35,600 | 12,400 | 11.45 | 13 | 78 | 1600 |
| RLNL-A048YL000 | 61,000 | 35,600 | 12,400 | 11.45 | 13 | 78 | 1600 |
| RLNL-A060CK000 | 61,000 | 42,000 | 17,000 | 11.1 | 13 | 83 | 2000 |
| RLNL-A060CL000 | 61,000 | 42,000 | 17,000 | 11.1 | 13 | 83 | 2000 |
| RLNL-A060JK000 | 61,000 | 42,000 | 17,000 | 11.1 | 13 | 83 | 2000 |
| RLNL-A060YL000 | 61,000 | 42,000 | 17,000 | 11.1 | 13 | 83 | 2000 |

**ELECTRICAL DATA**

| | | | Fuse or HACR Circuit Breaker | |
|---|---|---|---|---|
| Order Number | Voltage | Min Circuit Amps | Min Amps | Max Amps |
| RLNL-A036CK000 | 208-230 3 Ph | 19 | 25 | 25 |
| RLNL-A036CL000 | 208-230 3 Ph | 18 | 20 | 25 |
| RLNL-A036JK000 | 208-230 1 Ph | 27 | 35 | 40 |
| RLNL-A036YL000 | 208-230 3 Ph | 7 | 15 | 15 |
| RLNL-A042CK000 | 208-230 3 Ph | 23 | 30 | 35 |
| RLNL-A042CL000 | 208-230 3 Ph | 22 | 25 | 30 |
| RLNL-A042JK000 | 208-230 3 Ph | 28 | 35 | 45 |
| RLNL-A048CK000 | 208-230 3 Ph | 23 | 30 | 35 |
| RLNL-A048CL000 | 208-230 3 Ph | 22 | 25 | 35 |
| RLNL-A048JK000 | 208-230 3 Ph | 33 | 40 | 50 |
| RLNL-A048YL000 | 208-230 3 Ph | 9 | 15 | - |
| RLNL-A060CK000 | 208-230 3 Ph | 30 | 35 | - |
| RLNL-A060CL000 | 208-230 3 Ph | 26 | 30 | - |
| RLNL-A060JK000 | 208-230 3 Ph | 43 | 50 | - |
| RLNL-A060YL000 | 208-230 3 Ph | 10 | 15 | - |

**PHYSICAL DATA**

| Order Number | Condenser | Blower | Drive Type | Filter No. + Size | Ship Weight (lbs) |
|---|---|---|---|---|---|
| RLNL-A036CK000 | 1/3 | 1/2 | Direct | (1) 1 x 16 x 25 | 550 |
| RLNL-A036CL000 | 1/3 | 1/2 | Belt | (1) 1 x 16 x 25 | 550 |
| RLNL-A036JK000 | 1/3 | 1/2 | Direct | (1) 1 x 16 x 25 | 550 |
| RLNL-A036YL000 | 1/3 | 3/4 | Belt | (1) 1 x 16 x 25 | 550 |
| RLNL-A042CK000 | 1/3 | 1/2 | Direct | (1) 1 x 16 x 25 | 577 |
| RLNL-A042CL000 | 1/3 | 1/2 | Belt | (1) 1 x 16 x 25 | 577 |
| RLNL-A042JK000 | 1/3 | 1/2 | Direct | (1) 1 x 16 x 25 | 577 |
| RLNL-A048CK000 | 1/3 | 1/2 | Direct | (1) 1 x 16 x 25 | 587 |
| RLNL-A048CL000 | 1/3 | 1/2 | Belt | (1) 1 x 16 x 25 | 587 |
| RLNL-A048JK000 | 1/3 | 1/2 | Direct | (1) 1 x 16 x 25 | 587 |
| RLNL-A048YL000 | 1/3 | 3/4 | Belt | (1) 1 x 16 x 25 | 587 |
| RLNL-A060CK000 | 1/3 | 1 | Direct | (1) 1 x 16 x 25 | 597 |
| RLNL-A060CL000 | 1/3 | 3/4 | Belt | (1) 1 x 16 x 25 | 597 |
| RLNL-A060JK000 | 1/3 | 1 | Direct | (1) 1 x 16 x 25 | 597 |
| RLNL-A060YL000 | 1/3 | 3/4 | Belt | (1) 1 x 16 x 25 | 597 |

## RLNA R22 SUPER HIGH EFFICIENCY 13 SEER COMMERCIAL SERIES

**SIZES 3 TO 5 TONS**

All models feature Copeland Scroll compressors offering maximum reliability, efficiency and quiet operation. One-piece top over the indoor section with drip lip, drawn painted base pan and 1" raised flanges for supply/return air connections provides superior water management. Convertible horizontal and vertical airflow design allows maximum field flexibility and minimizes inventory requirements. Standard full perimeter forkable base rail with lifting holes for easier maneuvering and installation. Factory installed one-inch throw away filter with provisions for two-inch filter. Direct or belt drive options to accommodate a wide range of design conditions as high as 1.5 inches of external static pressure. Easily removable filter, blower, electric heat and compressor/control access panels permits prompt service. Common cabinet and components allow for installation flexibility and fewer parts to inventory. Standard freezestat control offers evaporator coil freeze protection. Externally mounted refrigerant gauge ports easy service diagnostics. Side and base electric power entry helps minimize roof penetrations. Quick assembly common roof curbs help save field labour and maximize size flexibility. Easy to install plug-in, slip-in, 100% fully modulating economizers.

**PERFORMANCE DATA**

| | Capacity BTU/hr | | | | | | |
|---|---|---|---|---|---|---|---|
| Order Number | Total Cap | Net Sens | Net Latent | EER | SEER | Sound Rating | Indoor CFM |
| RLNA-A036CK000 | 37,400 | 26,400 | 9,600 | 11.7 | 13 | 78 | 1200 |
| RLNA-A036JK000 | 37,400 | 26,400 | 9,600 | 11.7 | 13 | 78 | 1200 |
| RLNA-A042JK000 | 43,000 | 30,000 | 11,000 | 11.45 | 13 | 78 | 1400 |
| RLNA-A048CK000 | 49,000 | 33,600 | 13,400 | 11.4 | 13.1 | 78 | 1600 |
| RLNA-A048CL000 | 49,000 | 33,600 | 13,400 | 11.4 | 13.1 | 78 | 1600 |
| RLNA-A048JK000 | 49,000 | 33,600 | 13,400 | 11.4 | 13.1 | 78 | 1600 |
| RLNA-A060CL000 | 60,000 | 42,000 | 16,000 | 11.6 | 13 | 83 | 2000 |
| RLNA-A060JK000 | 60,000 | 42,000 | 16,000 | 11.6 | 13 | 83 | 2000 |

**ELECTRICAL DATA**

| | | Compressor | | Motor FLA | | | Fuse or HACR Circuit Breaker | |
|---|---|---|---|---|---|---|---|---|
| Order Number | Voltage | RLA | LRA | Fan | Blower | Min Circuit Amps | Min Amps | Max Amps |
| RLNA-A036CK000 | 208-230 3 Ph | 9.6 | 88 | 1.5 | 4 | 18 | 20 | 25 |
| RLNA-A036JK000 | 208-230 1 Ph | 14.4 | 77 | 1.5 | 4 | 24 | 30 | 35 |
| RLNA-A042JK000 | 208-230 1 Ph | 19.2 | 104 | 1.5 | 4 | 30 | 35 | 45 |
| RLNA-A048CK000 | 208-230 3 Ph | 12.2 | 80.8 | 1.5 | 4 | 21 | 25 | 30 |
| RLNA-A048CL000 | 208-230 3 Ph | 12.2 | 80.8 | 1.5 | 2.8 | 20 | 25 | 30 |
| RLNA-A048JK000 | 208-230 1 Ph | 20.2 | 137 | 1.5 | 4 | 31 | 40 | 50 |
| RLNA-A060CL000 | 208-230 3 Ph | 15.4 | 104 | 2.2 | 3.4 | 25 | 30 | 40 |
| RLNA-A060JK000 | 208-230 1 Ph | 25.3 | 141 | 2.2 | 7.4 | 41 | 50 | 60 |

**PHYSICAL DATA**

| | Capacity BTU/hr | | | | Weight (lbs) | |
|---|---|---|---|---|---|---|
| Order Number | Drive Type | Condenser | Blower | Filter No. + Size | Net | Ship |
| RLNA-A036CK000 | Direct | 1/3 | 1/2 | (1) 1 x 16 x 25 | 543 | 550 |
| RLNA-A036JK000 | Direct | 1/3 | 1/2 | (1) 1 x 16 x 25 | 543 | 550 |
| RLNA-A042JK000 | Direct | 1/3 | 1/2 | (1) 1 x 16 x 25 | 570 | 577 |
| RLNA-A048CK000 | Direct | 1/3 | 1/2 | (1) 1 x 16 x 25 | 580 | 587 |
| RLNA-A048CL000 | Belt | 1/3 | 1/2 | (1) 1 x 16 x 25 | 580 | 587 |
| RLNA-A048JK000 | Direct | 1/3 | 1/2 | (1) 1 x 16 x 25 | 580 | 587 |
| RLNA-A060CL000 | Belt | 1/3 | 3/4 | (1) 1 x 16 x 25 | 590 | 597 |
| RLNA-A060JK000 | Direct | 1/3 | 1 | (1) 1 x 16 x 25 | 590 | 421 |

# RUUD COOLING ONLY PACKAGED UNITS

## RLMB R22 HIGH EFFICIENCY 13 SEER SERIES COMMERCIAL SERIES

### SIZES 7 1/2 TO 20 TONS

#### PERFORMANCE DATA

Twin Copleand Scroll Compressors for two stage cooling. Forkable base rails for easy handling. One-piece top, one-piece drawn indoor base pan for superior water management. Easy access factory installed filters. Slide out blower assembly for easy maintenance. Field or factory installed electric heater kits.

| | Capacity BTU/hr | | | | | |
|---|---|---|---|---|---|---|
| Order Number | Total Cap | Net Sens | Net Latent | EER | Sound Rating | Indoor CFM |
| RLMB-A090CM000 | 93,000 | 68,000 | 22,000 | 10.3 | 88 | 3,000 |
| RLMB-A090YM000 | 93,000 | 68,000 | 22,000 | 10.3 | 88 | 3,000 |
| RLMB-A102CM000 | 104,000 | 76,000 | 24,000 | 10.3 | 88 | 3,300 |
| RLMB-A120CL000 | 126,000 | 88,000 | 32,000 | 10.3 | 88 | 4,000 |
| RLMB-A120CM000 | 126,000 | 88,000 | 32,000 | 10.3 | 88 | 4,000 |
| RLMB-A150CM000 | 154,000 | 104,000 | 42,000 | 9.7 | 88 | 4,900 |
| RLMB-A150YM000 | 154,000 | 104,000 | 42,000 | 9.7 | 88 | 4,900 |
| RLMB-A180CL000 | 188,000 | 134,000 | 46,000 | 10.2 | 91 | 6,000 |
| RLMB-A180YL000 | 188,000 | 134,000 | 46,000 | 10.2 | 91 | 6,000 |
| RLMB-A240YM000 | 246,000 | 168,000 | 64,000 | 9.7 | 91 | 7,700 |

#### ELECTRICAL DATA

| | | Compressor | | Motor FLA | | | Fuse or HACR Circuit Breaker | |
|---|---|---|---|---|---|---|---|---|
| Order Number | Voltage | RLA | LRA | Fan | Blower | Min Circuit Amps | Max Amps | Min Amps |
| RLMB-A090CM000 | 208-230 3 Ph | 13 | 88 | 3 | 13 | 49 | 60 | 60 |
| RLMB-A090YM000 | 575V 3 Ph | 5 | 34 | 2 | 8 | 22 | 25 | 25 |
| RLMB-A102CM000 | 208-230 3 Ph | 13.3 | 91 | 2 | 8 | 49 | 60 | 60 |
| RLMB-A120CL000 | 208-230 3 Ph | 17 | 124 | 2 | 8 | 53 | 50 | 50 |
| RLMB-A120CM000 | 208-230 3 Ph | 17 | 124 | 3 | 13 | 58 | 70 | 70 |
| RLMB-A150CM000 | 208-230 3 Ph | 21.9 | 156 | 5 | 15 | 71 | 80 | 90 |
| RLMB-A150YM000 | 575V 3 Ph | 8.9 | 54 | 5 | 8 | 31 | 35 | 35 |
| RLMB-A180CL000 | 208-230 3 Ph | 12.4 | 88 | 3 | 11.5 | 74 | 12.4 | 88 |
| RLMB-A180YL000 | 575V 3 Ph | 5 | 34 | 3 | 8 | 34 | 5 | 34 |
| RLMB-A240YM000 | 575V 3 Ph | 7.7 | 50 | 7.5 | 8.8 | 46 | 7.7 | 50 |

#### PHYSICAL DATA

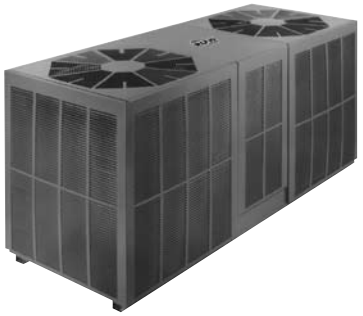
| | Capacity BTU/hr | | | | |
|---|---|---|---|---|---|
| Order Number | Drive Package | Condenser | Blower | Filter No. + Size | Ship Weight (lbs) |
| RLMB-A090CM000 | Belt - High Static | 1/3 | 2 | (6) 2 x 18 x 18 | 1093 |
| RLMB-A090YM000 | Belt - High Static | 1/3 | 2 | (6) 2 x 18 x 18 | 1093 |
| RLMB-A102CM000 | Belt - High Static | 1/3 | 2 | (6) 2 x 18 x 18 | 988 |
| RLMB-A120CL000 | Belt | 1/3 | 2 | (6) 2 x 18 x 18 | 1162 |
| RLMB-A120CM000 | Belt - High Static | 1/3 | 2 | (6) 2 x 18 x 18 | 1188 |
| RLMB-A150CM000 | Belt - High Static | 1/3 | 2 | (6) 2 x 18 x 18 | 1119 |
| RLMB-A150YM000 | Belt - High Static | 1/3 | 2 | (6) 2 x 18 x 18 | 1119 |
| RLMB-A180CL000 | Belt | 1/3 | 4 | (3) 2 x 18 x 18 | 1639 |
| RLMB-A180YL000 | Belt | 1/3 | 4 | (3) 2 x 18 x 18 | 1639 |
| RLMB-A240YM000 | Belt - High Static | 1/3 | 4 | (3) 2 x 18 x 18 | 1738 |

#### ACCESSORIES

| Order Number | Description |
|---|---|
| RXRZ-A90 | Low ambient control kit |
| RXKG-BAE14 | 14” high roofcurb |
| RXRD-KDCM3 | Economizer (Single Enthalpy) |
| RXRF-FAB1 | Motorized Fresh Air |
| RXRF-HDA1 | Manual Fresh Air (Left panel mounted) |

# RUUD COMMERCIAL SPLIT SYSTEM AIR CONDITIONING UNITS

## RAWE R22 HIGH EFFICIENCY COMMERCIAL CONDENSING UNITS



**SIZES 6 1/2 TO 7 1/2 TONS**

**Service Access:** Control box with separation between line and control voltage as well as compressor and other refrigerant controls are accessible through removable panel without affecting normal operation of unit. Condenser fan motor(s) are mounted on removable top panel(s) which bring the model(s) out to you and expose entire condenser coil for cleaning.

**Compressor:** The scroll compressor is hermetically sealed with internal high temperature protection and durable insulation on motor windings. The entire compressor is mounted on rubber grommets to reduce vibrations and noise.

**Crankcase Heater:** External wrap-around heater helps prevent refrigerant migration to the compressor oil during long off periods.

**Refrigerant Connections:** All field sweat joints are made external of the unit and are located close to the ground for a neat looking installation.

**Low Ambient Control:** A pressure sensitive fan cycling control allows operation of units down to 0°F.

**High Pressure Control:** Manual reset control deactivates system if abnormally high pressure occurs.

**Low Pressure Control:** Automatic reset control deactivates system if abnormally low pressure or refrigerant loss occurs.

**Condenser Fan Motors:** Direct drive, single-phase permanently lubricated “PSC” motors with inherent overload protection.

**Transformer:** 50 VA step-down type, from line to 24V.

**PERFORMANCE DATA**

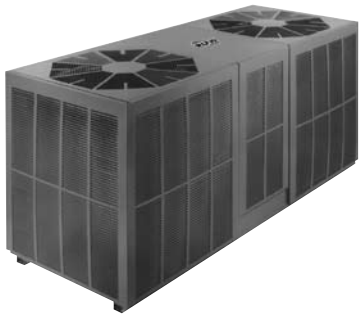
| | | | | Compressor | |
|---|---|---|---|---|---|
| Order Number | Capacity (tons) | Voltage | Operating (lbs) | Qty | Type |
| RAWE-079CAZ | 6 1/2 | 208-230 3 Ph | 266 | 1 | Scroll |
| RAWE-079YAZ | 6 1/2 | 575 3 Ph | 266 | 1 | Scroll |
| RAWE-091CAZ | 7 1/2 | 208-230 3 Ph | 330 | 1 | Scroll |
| RAWE-091DAZ | 7 1/2 | 460 | 330 | 1 | Scroll |
| RAWE-091YAZ | 7 1/2 | 575 | 330 | 1 | Scroll |

**PHYSICAL DATA**

| | Condenser Fans | | | | | | | Connections (in) | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model Number | Qty | CFM | Dia | Drive | HP | Type | RPM | Vapour | Liquid | H x L x W (in) |
| RAWE-079CAZ | 1 | 3,500 | 24 | Direct | 1/3 | PSC | 1,075 | 1 1/8 | 1/2 | 32 13/16 x 43 x 31 1/16 |
| RAWE-079YAZ | 1 | 3,500 | 24 | Direct | 1/3 | PSC | 1,075 | 1 1/8 | 1/2 | 32 13/16 x 43 x 31 1/16 |
| RAWE-091CAZ | 1 | 3,800 | 24 | Direct | 1/3 | PSC | 1,075 | 1 1/8 | 1/2 | 32 13/16 x 43 x 31 1/16 |
| RAWE-091DAZ | 1 | 3,800 | 24 | Direct | 1/3 | PSC | 1,075 | 1 1/8 | 1/2 | 32 13/16 x 43 x 31 1/16 |
| RAWE-091YAZ | 1 | 3,800 | 24 | Direct | 1/3 | PSC | 1,075 | 1 1/8 | 1/2 | 32 13/16 x 43 x 31 1/16 |

# RUUD COMMERCIAL SPLIT SYSTEM AIR CONDITIONING UNITS

## RAWE R22 HIGH EFFICIENCY COMMERCIAL CONDENSING UNITS



**SIZES 10 TO 20 TONS**

**Service Access:** Control box with separation between line and control voltage as well as compressor and other refrigerant controls are accessible through removable panel without affecting normal operation of unit. Condenser fan motor(s) are mounted on removable top panel(s) which bring the model(s) out to you and expose entire condenser coil for cleaning.

**Compressor:** The scroll compressor is hermetically sealed with internal high temperature protection and durable insulation on motor windings. The entire compressor is mounted on rubber grommets to reduce vibrations and noise.

**Crankcase Heater:** External wrap-around heater helps prevent refrigerant migration to the compressor oil during long off periods.

**Refrigerant Connections:** All field sweat joints are made external of the unit and are located close to the ground for a neat looking installation.

**Low Ambient Control:** A pressure sensitive fan cycling control allows operation of units down to 0°F.

**High Pressure Control:** Manual reset control deactivates system if abnormally high pressure occurs.

**Low Pressure Control:** Automatic reset control deactivates system if abnormally low pressure or refrigerant loss occurs.

**Condenser Fan Motors:** Direct drive, single-phase permanently lubricated “PSC” motors with inherent overload protection.

**Transformer:** 50 VA step-down type, from line to 24V.

**PERFORMANCE DATA**

| | | | Compressor | | | |
|---|---|---|---|---|---|---|
| Order Number | Capacity (tons) | Voltage | Qty | Type | R22 (oz) | Ship Weight (lbs) |
| RAWE-120CAZ | 10 | 208-230 3 Ph | 2 | Scroll | 309 | 609 |
| RAWE-120YAZ | 10 | 575 3 Ph | 2 | Scroll | 309 | 609 |
| RAWE-150CAZ | 12 1/2 | 208-230 3 Ph | 2 | Scroll | 413 | 680 |
| RAWE-150YAZ | 12 1/2 | 575 3 Ph | 2 | Scroll | 413 | 680 |
| RAWE-180CAZ | 15 | 208-230 3 Ph | 2 | Scroll | 573 | 859 |
| RAWE-180YAZ | 15 | 575 3 Ph | 2 | Scroll | 573 | 859 |
| RAWE-240CAZ | 20 | 208-230 3 Ph | 2 | Scroll | 778 | 985 |
| RAWE-240YAZ | 20 | 575 3 Ph | 2 | Scroll | 778 | 985 |

**PHYSICAL DATA**

| | Condenser Fans | | | | | | | Connections (in) | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Order Number | Qty | CFM | Dia | Drive | HP | Type | RPM | Vapour | Liquid | H x L x W (in) |
| RAWE-120CAZ | 2 | 6,600 | 24 | Direct | 1/3 | PSC | 1,075 | 1 3/8 | 5/8 | 44 3/4 x 38 3/8 x 60.5 |
| RAWE-120YAZ | 2 | 6,600 | 24 | Direct | 1/3 | PSC | 1,075 | 1 3/8 | 5/8 | 44 3/4 x 38 3/8 x 60.5 |
| RAWE-150CAZ | 2 | 6,600 | 24 | Direct | 1/3 | PSC | 1,075 | 1 3/8 | 5/8 | 44 3/4 x 38 3/8 x 73.9 |
| RAWE-150YAZ | 2 | 6,600 | 24 | Direct | 1/3 | PSC | 1,075 | 1 3/8 | 5/8 | 44 3/4 x 38 3/8 x 73.9 |
| RAWE-240YAZ | 3 | 9,900 | 24 | Direct | 1/3 | PSC | 1,075 | 1 5/8 | 7/8 | 44 1/2 x 87 3/8 x 38 3/8 |
| RAWE-180CAZ | 3 | 9,900 | 24 | Direct | 1/3 | PSC | 1,075 | 1 5/8 | 5/8 | 44 1/2 x 87 3/8 x 38 3/8 |
| RAWE-180YAZ | 3 | 9,900 | 24 | Direct | 1/3 | PSC | 1,075 | 1 5/8 | 5/8 | 44 1/2 x 87 3/8 x 38 3/8 |
| RAWE-240CAZ | 3 | 9,900 | 24 | Direct | 1/3 | PSC | 1,075 | 1 5/8 | 7/8 | 44 1/2 x 87 3/8 x 38 3/8 |

## RPWE SERIES COMMERCIAL HIGH EFFICIENCY REMOTE HEAT PUMPS

The size ranges offered by Ruud allow you to mix and match components to meet actual job requirements, thus eliminating the need to use oversized or undersized equipment. Equipment sized to meet the actual load will provide better operating economy, better humidity control and longer equipment life. With an air cooled system, you have no water or sewer connections to make and no troublesome and costly water treatment problems. Because of the simple design of the Ruud Remote Heat Pump unit, installation is quick and simple and very little maintenance.

**SIZES 7 1/2 - 10 TONS - 208/230V - 1 PHASE**

| | | | Connections (in) | | | |
|---|---|---|---|---|---|---|
| **Order Number** | **Capacity (tons)** | **Voltage/Phase** | **Suction** | **Liquid** | **Ship Weight (lbs)** | **H x L x W (in)** |
| RPWE-090-CAZ | 7 1/2 | 208-230/3 Ph | 1 1/8 | 1/2 | 568 | 44 3/4 x 60 1/2 x 38 3/8 |
| RPWE-090-YAZ | 7 1/2 | 575/3 Ph | 1 1/8 | 1/2 | 568 | 44 3/4 x 60 1/2 x 38 3/8 |
| RPWE-120-CAZ | 10 | 208-230/3 Ph | 1 3/8 | 5/8 | 654 | 44 3/4 x 74 x 38 3/8 |
| RPWE-120-YAZ | 10 | 575/3 Ph | 1 3/8 | 5/8 | 654 | 44 3/4 x 74 x 38 3/8 |

**ELECTRICAL DATA**

| **Order Number** | **FLA** | **MCA** | **Max Fuse Size (amps)** | **Wire Size (50'/100')** | **Capacity (tons)** |
|---|---|---|---|---|---|
| RPWE-090-CAZ | 33.6 | 41 | 60 | 6/4 | 7.5 |
| RPWE-090-YAZ | 12.9 | 16 | 25 | 10/8 | 7.5 |
| RPWE-120-CAZ | 43.4 | 57 | 90 | 6/4 | 10 |
| RPWE-120-YAZ | 17.2 | 23 | 35A | 10/8 | 10 |

# RUUD COMMERCIAL AIR HANDLERS

## RHGG R22 SERIES HIGH EFFICIENCY COMMERCIAL AIR HANDLERS

**SIZES 7 1/2 TO 20 TONS**

**Cabinet:** Powder coat painted. Matching discharge plenums and decorative supply and return air grilles are available for use when units are to be installed within conditioned space.

**Motor:** Inherently protected motors are mounted inside of insulated cabinet to reduce motor noise and provide a neat looking installation. A choice of motor horsepower and drive combinations are available to allow you to meet specified CFM at various static pressure up to 2 inches external static pressure. Motors and mounts in 15 ton and 20 ton units may be relocated in field to opposite side of blower scroll for accessibility.

**Low Profile:** Allows for horizontal installation in most standard drop ceiling applications, and the movement of units through most standard doorways for addition or replacement work.

**Thermal Expansion Valves:** Standard all models.

**Filters:** One (1) inch throwaway filters are standard, however filter racks are designed to accept either one (1) or two (2) inch filters.

**Evaporator Coil:** Two circuit, interlaced row split coils are constructed with copper tubes and aluminum fins mechanically bonded to the tubes for maximum heat transfer capabilities. All coil assemblies are leak tested up to 450 psig internal pressure prior to installation into units.

**Refrigerant Connections:** Field piping connections are made through a fixed post between two side access panels on either side of the unit. Allows flexibility to meet most field conditions as well as full accessibility after the installation is complete. Units may be used with two straight cool condensing units or single circuit manifolded in the field using the copper fittings shipped with each unit. The RHGG Air Handler has not been tested, rated or certified to operate with dual remote heat pumps.

**Drain Pan:** The galvanized steel drain pan is designed to trap condensate in either vertical or horizontal installations. Condensate drain connections are located on both sides of the unit allowing complete flexibility to meet most field conditions.

**Service Access:** Two removable panels on top and each side of the unit are easily removed for access to motors, blowers, sheaves, and filters.

**Horizontal or Vertical:** All models are designed for either application and can be installed in either position as supplied from the factory.

**Testing:** All units are run tested at the factory prior to shipment. Units are shipped with a holding charge of nitrogen.

**Heat Pump:** The RHGG-120 Air Handler is designed for heat pump and air conditioning applications. It has two TX valves with internal check valves that allow reverse flow to occur, providing superior control during heating and cooling cycles. RHGG-120 Air Handler has been rated and certified to operate with 7.5 ton and 10 ton condensing units and 7.5 ton and 10 ton remote heat pumps. A 7.5 ton heat pump air handler is not available.

| | | | | Connections (in) | | | |
|---|---|---|---|---|---|---|---|
| Order Number | Capacity (tons) | Voltage | Phase | Suction | Liquid | H x D x W (in) | Ship Weight (lbs) |
| RHGG-090HK | 7 1/2 | 115/230 | 1 | 1 1/8 | 1/2 | 31 1/2 x 56 x 57 1/4 | 350 |
| RHGG-090ZK | 7 1/2 | 208-230/460 | 3 | 1 1/8 | 1/2 | 31 1/2 x 56 x 57 1/4 | 350 |
| RHGG-090YK | 7 1/2 | 575 | 3 | 1 1/8 | 1/2 | 31 1/2 x 56 x 57 1/4 | 350 |
| RHGG-120HK | 10 | 115/230 | 1 | 1 3/8 | 5/8 | 31 1/2 x 56 x 57 1/4 | 367 |
| RHGG-120YK | 10 | 575 | 3 | 1 3/8 | 5/8 | 31 1/2 x 56 x 57 1/4 | 367 |
| RHGG-120ZK | 10 | 208-230/460 | 3 | 1 3/8 | 5/8 | 31 1/2 x 56 x 57 1/4 | 367 |
| RHGG-180YK | 15 | 575 | 3 | 1 3/8 | 3/4 | 39 x 63 x 76 1/2 | 530 |
| RHGG-180ZK | 15 | 208-230/460 | 3 | 1 3/8 | 3/4 | 39 x 63 x 76 1/2 | 530 |
| RHGG-240YK | 20 | 575 | 3 | 1 5/8 | 7/8 | 39 x 63 x 76 1/2 | 580 |
| RHGG-240ZK | 20 | 208-230/460 | 3 | 1 5/8 | 7/8 | 39 x 63 x 76 1/2 | 580 |
| RHGG-240ZM | 20 | 208-230/460 | 3 | 1 5/8 | 7/8 | 39 x 63 x 76 1/2 | 580 |

Genesis Compact (GC) Series

Console (CCE) Series

Genesis Standard (GR) Series

Genesis Water-To-Water (GSW) Series

Genesis Ultra (GS) Series

Tranquility 20 Single-Stage (TS) Series

Vertical Stack (VHS) Series

Tranquility 27 Two-Stage (TT) Series

CLIMATEMASTER®
WATER-SOURCE HEAT PUMP SYSTEMS

# CLIMATEMASTER WATER-SOURCE HEAT PUMPS

## GENESIS COMPACT (GC) SERIES HORIZONTAL AND VERTICAL UNITS

### THE GENESIS COMPACT (GC) SERIES

Uniquely designed to be backwards compatible with hundreds of thousands of older water-source heat pumps, the Genesis Compact (GC) Series utilizes innovative ClimateMaster cabinet design solutions to meet ASHRAE 90.1 efficiencies, while maintaining one of the smallest cabinets in the industry. The Vertical GCV041 is designed to be a "drop-in" replacement unit for thousands of existing Condo / Apartment units.

The GC Series is designed specifically for boiler-tower applications where low first cost matters. Refrigerant circuits use trouble-free cap tube metering devices and reliable rotary, reciprocating or scroll compressors to create a full line of products to meet the varying needs of today's construction projects. Sizes from 1/2 ton (1.76 kW) through 5 tons (17.6 kW) and field convertible discharge options for horizontal units make the GC Series extremely flexible.

The GC Series features long-lasting galvanized steel for all models and epoxy powder coat paint for vertical units. ClimateMaster's exclusive double isolation compressor mounting system and standard cabinet insulation make the GC Series exceptionally quiet.

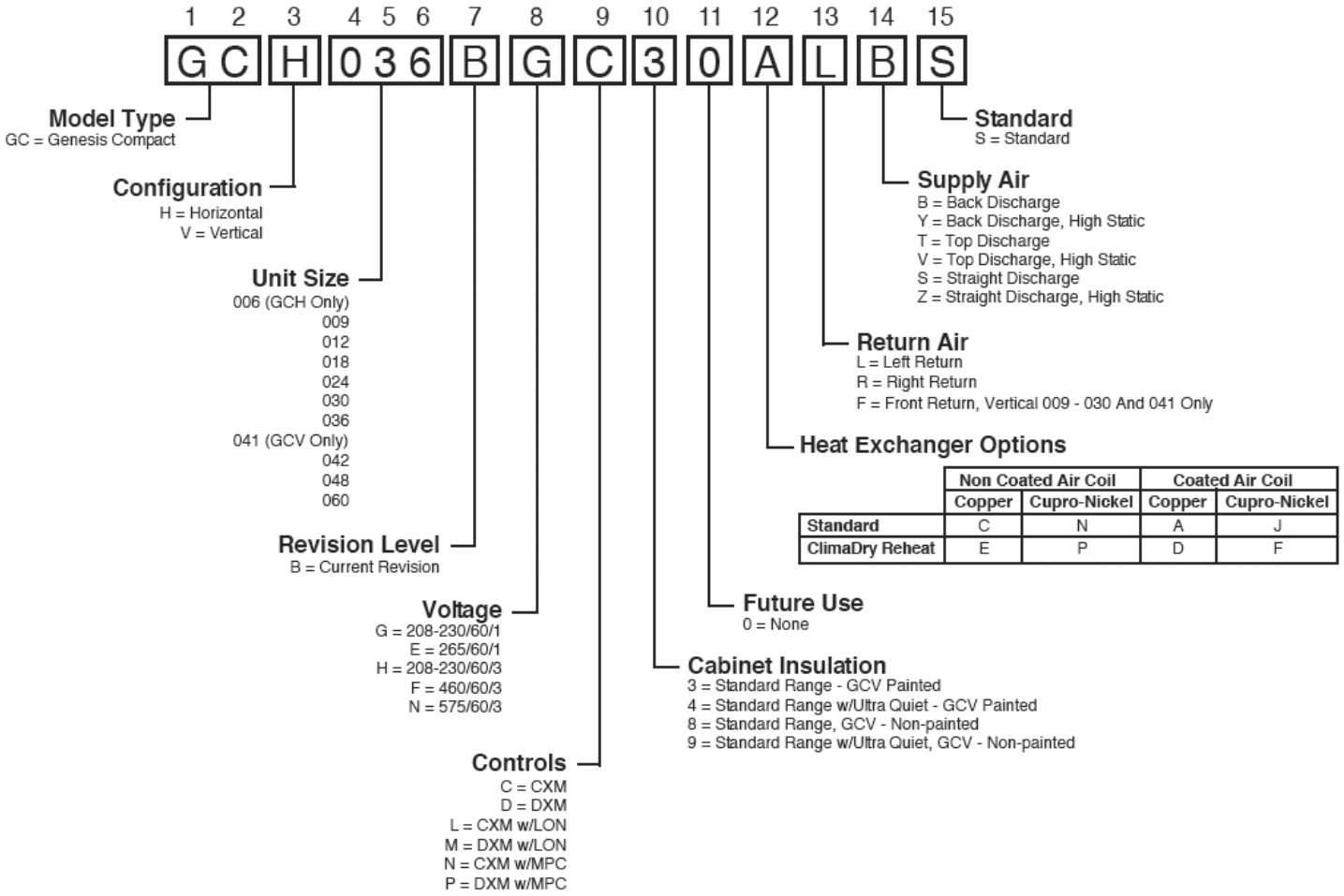
Some manufacturers' compact cabinet designs offer limited features. The GC series includes many standard features and a number of options. Factory installed hanger brackets (Horizontal units only), microprocessor controls and torsion flex motor mounting (006-042) are standard features. Options such as e-coated air coils, ClimaDry modulating reheat and DDC controls allow customized design solutions. Optional high static motors help overcome some of the challenges associated with ductwork for retrofit installations.

The GC Series water-source heat pumps are designed to meet the challenges of today's HVAC demands with a low cost/high value solution.

### UNIT FEATURES

- Sizes 006 (1/2 ton, 1.76 kW) through 060 (5 tons, 17.6 kW)
- Meets ASHRAE 90.1 efficiencies
- Compact cabinet design: Great for retrofit or tight spaces
- Galvanized steel construction (powder coat paint on vertical units)
- Unique double isolation compressor mounting for quiet operation
- Reliable rotary, reciprocating and scroll compressors
- Trouble-free cap tube refrigerant metering device
- Microprocessor controls standard (optional DXM and/or DDC controls)
- LonWorks, BACnet, Modbus and Johnson N2 compatibility options for DDC controls
- Field convertible discharge air arrangement for horizontal units
- High static blowers available
- Low cost/high value product specifically designed for standard range (boiler/tower) applications
- Wide variety of options including ClimaDry modulating reheat and e-coated air coils
- Seven Safeties Standard

## GENESIS COMPACT (GC) SERIES HORIZONTAL AND VERTICAL UNITS



# CLIMATEMASTER WATER-SOURCE HEAT PUMPS

## GENESIS COMPACT (GC) SERIES HORIZONTAL AND VERTICAL UNITS

## PERFORMANCE

| Model | Water Loop Heat Pump | | | | Ground Water Heat Pump | | | | Ground Loop Heat Pump | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cooling 86°F | | Heating 68°F | | Cooling 59°F | | Heating 50°F | | Cooling 77°F | | Heating 32°F | |
| | Capacity Btuh | EER Btuh/W | Capacity Btuh | COP | Capacity Btuh | EER Btuh/W | Capacity Btuh | COP | Capacity Btuh | EER Btuh/W | Capacity Btuh | COP |
| GCH006 | 6,400 | 12.5 | 8,300 | 4.2 | Please see GR, GS, TT, or TS Series for extended range applications. | | | | Please see GR, GS, TT, or TS Series for extended range applications. | | | |
| GCH/V009 | 8,300 | 12.7 | 10,800 | 4.3 | | | | | | | | |
| GCH/V012 | 11,500 | 12.7 | 14,300 | 4.2 | | | | | | | | |
| GCH/V018 | 18,200 | 12.3 | 22,000 | 4.2 | | | | | | | | |
| GCH/V024 | 23,800 | 13.0 | 27,800 | 4.6 | | | | | | | | |
| GCH/V030 | 28,000 | 12.2 | 33,500 | 4.4 | | | | | | | | |
| GCH/V036 | 35,000 | 12.0 | 45,500 | 4.2 | | | | | | | | |
| GCV041 | 37,700 | 12.0 | 47,500 | 4.2 | | | | | | | | |
| GCH/V042 | 41,000 | 12.0 | 52,600 | 4.2 | | | | | | | | |
| GCH/V048 | 47,100 | 12.2 | 58,200 | 4.4 | | | | | | | | |
| GCH/V060 | 58,000 | 12.0 | 76,800 | 4.2 | | | | | | | | |

## PHYSICAL

| Model | 006 | 009 | 012 | 018 | 024 | 030 | 036 | 041 | 042 | 048 | 060 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Compressor (1 Each) | Rotary | | | Reciprocating | | | | | | | Scroll |
| Factory Charge Vertical R22 (oz) [kg] | - | 14 [.40] | 14 [.40] | 25 [.74] | 38 [1.08] | 37 [1.05] | 42 [1.19] | 50 [1.42] | 51 [1.87] | 66 [1.87] | 74 [2.10] |
| Factory Charge Horizontal R22 (oz) [kg] | 14 [.40] | 14 [.40] | 14 [.40] | 25 [.74] | 38 [1.08] | 37 [1.05] | 41 [1.16] | - | 51 [1.87] | 66 [1.87] | 74 [2.10] |
| **PSC Fan Motor & Blower (3 Speeds)** | | | | | | | | | | | |
| Fan Motor (hp) [W] | 1/25 [30] | 1/10 [75] | 1/10 [75] | 1/6 [124] | 1/4 [187] | 3/4 [560] | 1/2 [373] | 3/4 [560] | 3/4 [560] | 3/4 [560] | 1 [746] |
| Blower Wheel Size (dia x w) - (in) [mm] | 5 x 5 [127 x 127] | 5 x 5 [127 x 127] | 6 x 5 [152 x 127] | 8 x 7 [208 x 178] | 9 x 7 [229 x 178] | 9 x 7 [229 x 178] | 9 x 8 [229 x 203] | 9 x 8 [229 x 203] | 9 x 8 [229 x 203] | 10 x 10 [254 x 254] | 11 x 10 [279 x 254] |
| **Water Connection Size** | | | | | | | | | | | |
| IPT (in) | 1/2 | 1/2 | 1/2 | 1/2 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 1 | 1 |
| **Coax Volume** | | | | | | | | | | | |
| Volume (US Gallons) [liters] | 0.123 [0.47] | 0.143 [0.54] | 0.167 [0.63] | 0.286 [1.08] | 0.286 [1.08] | 0.323 [1.22] | 0.526 [1.99] | 0.738 [2.79] | 0.890 [3.37] | 0.738 [2.79] | 0.939 [3.55] |
| **Vertical Upflow** | | | | | | | | | | | |
| Air Coil Dimensions (h x w) - (in) [mm] | - | 10 x 15 [254 x 381] | 10 x 15 [254 x 381] | 20 x 17.25 [508 x 438] | 20 x 17.25 [508 x 438] | 20 x 17.25 [508 x 438] | 24 x 21.75 [610 x 552] | 20 x 17.25 [508 x 438] | 24 x 21.75 [610 x 552] | 24 x 28.25 [610 x 718] | 24 x 28.25 [610 x 718] |
| Standard Filter - 1" [25.4mm] Throwaway, qty (in) [mm] | - | 10 x 18 [254 x 457] | 10 x 18 [254 x 457] | 20 x 20 [508 x 508] | 20 x 20 [508 x 508] | 20 x 20 [508 x 508] | 24 x 24 [610 x 610] | 20 x 20 [508 x 508] | 24 x 24 [610 x 610] | 1 - 14 x 24, 1 - 18 x 24 [356 x 610], [457 x 610] | 1 - 14 x 24, 1 - 18 x 24 [356 x 610], [457 x 610] |
| **Horizontal** | | | | | | | | | | | |
| Air Coil Dimensions (h x w) - (in) [mm] | 10 x 15 [254 x 381] | 10 x 15 [254 x 381] | 10 x 15 [254 x 381] | 16 x 22 [406 x 559] | 16 x 22 [406 x 559] | 16 x 22 [406 x 559] | 20 x 25 [508 x 635] | - | 20 x 25 [508 x 635] | 20 x 35 [508 x 889] | 20 x 35 [508 x 889] |
| Standard Filter - 1" [25.4mm] Throwaway, qty (in) [mm] | 10 x 18 [254 x 457] | 10 x 18 [254 x 457] | 10 x 18 [254 x 457] | 16 x 25 [406 x 635] | 16 x 25 [406 x 635] | 16 x 25 [406 x 635] | 20 x 28 or 2 - 20 x 14 [508 x 711] or [2 - 508 x 356] | - | 20 x 28 or 2 - 20 x 14 [508 x 711] or [2 - 508 x 356] | 1 - 20 x 24, 1 - 20 x 14 [508 x 610], [508 x 356] | 1 - 20 x 24, 1 - 20 x 14 [508 x 610], [508 x 356] |
| Weight - Operating, (lbs) [kg] | 103 [47] | 105 [48] | 114 [52] | 181 [82] | 189 [86] | 197 [89] | 203 [92] | 207 [94] | 218 [99] | 263 [119] | 278 [126] |
| Weight - Packaged, (lbs) [kg] | 113 [51] | 115 [52] | 124 [56] | 186 [84] | 194 [88] | 202 [92] | 209 [95] | 212 [96] | 224 [102] | 270 [122] | 285 [129] |

All units have grommet compressor mountings, and 1/2" [12.2mm] & 3/4" [19.mm] electrical knockouts.

# GENESIS WATER-TO-WATER (GSW) SERIES 3, 5, AND 10 TON UNITS

## THE GENESIS WATER-TO-WATER (GSW) SERIES

The GSW water-to-water series offers high efficiency with advanced features, extremely quiet operation and application flexibility at competitive prices. As ClimateMaster's most adaptable R-22 refrigerant units, the GSW series can be used for radiant floor heating, snow/ice melt, chilled water for fan coils, industrial process control, potable hot water generation, hot/chilled water for make-up air, and many other types of HVAC and industrial applications.

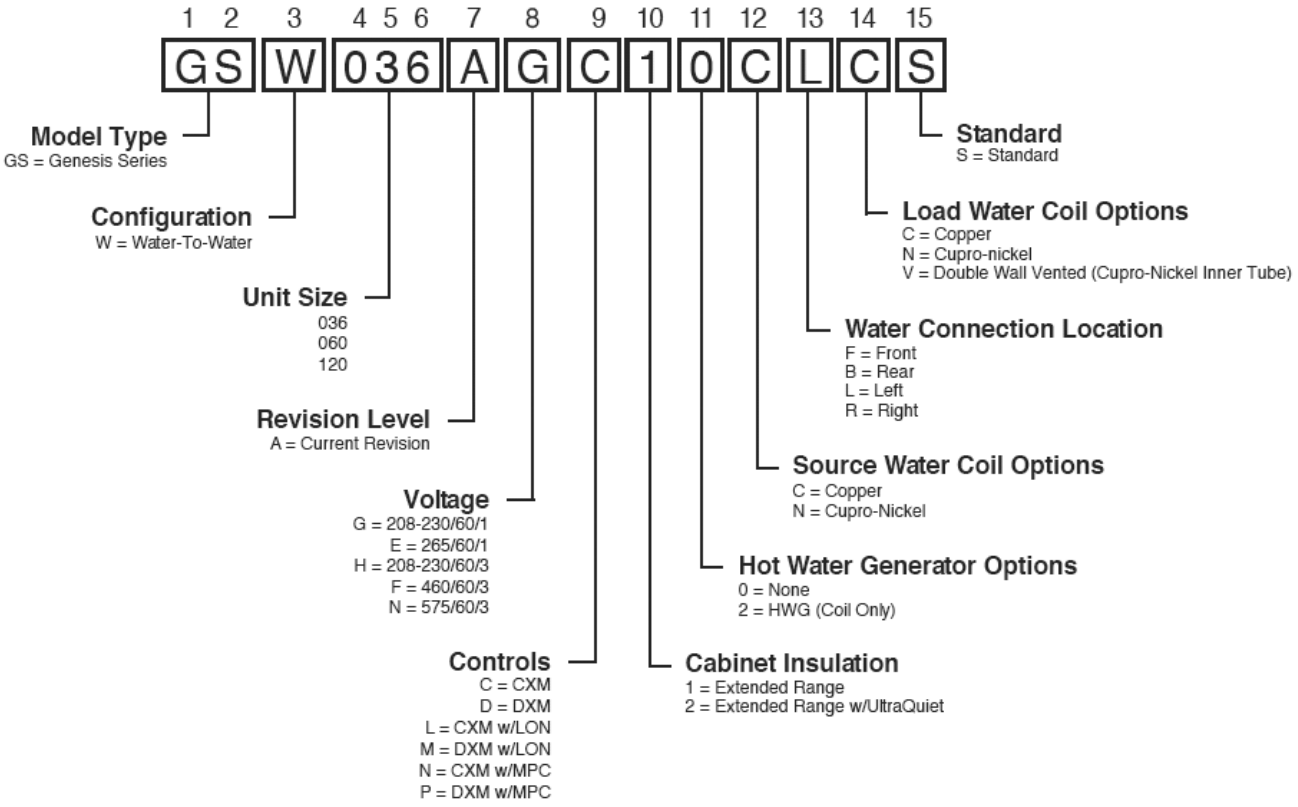
Available in sizes 3 ton (10.6 kW), 5 ton (17.6 kW) and 10 ton (29.3 kW) the GSW series offers a wide range of units for most any installation. The GSW has an extended range refrigerant circuit, capable of ground loop (geothermal) applications as well as water loop (boiler-tower) applications. Standard features are many. Microprocessor controls, galvanized steel cabinet, epoxy powder coat paint and TXV refrigerant metering device are just some of the features of the flexible GSW series.

ClimateMaster's exclusive double isolation compressor mounting system makes the GSW series the quietest water-to-water unit on the market. Compressors are mounted on vibration isolation springs to a heavy gauge mounting plate, which is then isolated from the cabinet base with rubber grommets for maximized vibration/sound attenuation. Options such as double-wall load heat exchanger (for potable hot water generation) and DDC controls allow customized design solutions.

The GSW Series water-to-water heat pumps are designed to meet the challenges of today's HVAC demands with a high efficiency, high value solution.

## UNIT FEATURES

- Sizes 036 (3 ton, 10.6 kW), 060 (5 ton, 17.6 kW) and 120 (10 ton, 29.3 kW)
- Copeland scroll compressors
- Dual refrigeration circuits on size 120
- Exceeds ASHRAE 90.1 efficiencies
- Galvanized steel construction with epoxy powder coat paint
- Unique double isolation compressor mounting with vibration isolation springs for quiet operation
- Insulated compressor compartment
- TXV metering device
- Extended range (20 to 120°F, -6.7 to 48.9°C) operation
- Microprocessor controls standard (optional DXM and/or DDC controls)
- LonWorks, BACnet, Modbus and Johnson N2 compatibility options for DDC controls
- Flush securely-mounted corner post water connections (no backup wrench required)
- Compressor "run" and "fault" lights on the front of the cabinet
- Seven Safeties Standard
- Wide variety of options including double-wall load heat exchanger and UltraQuiet™ sound attenuation package


1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
GS W 036 A G C 1 0 C L C S
Model Type
GS = Genesis Series
Configuration
W = Water-To-Water
Unit Size
036
060
120
Revision Level
A = Current Revision
Voltage
G = 208-230/60/1
E = 265/60/1
H = 208-230/60/3
F = 460/60/3
N = 575/60/3
Controls
C = CXM
D = DXM
L = CXM w/LON
M = DXM w/LON
N = CXM w/MPC
P = DXM w/MPC
Cabinet Insulation
1 = Extended Range
2 = Extended Range w/UltraQuiet
Hot Water Generator Options
0 = None
2 = HWG (Coil Only)
Source Water Coil Options
C = Copper
N = Cupro-Nickel
Water Connection Location
F = Front
B = Rear
L = Left
R = Right
Load Water Coil Options
C = Copper
N = Cupro-nickel
V = Double Wall Vented (Cupro-Nickel Inner Tube)
Standard
S = Standard

## GENESIS WATER-TO-WATER (GSW) SERIES 3, 5, AND 10 TON UNITS

## PERFORMANCE

| Model | Water Loop Heat Pump | | | | Ground Water Heat Pump | | | | Ground Loop Heat Pump | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cooling | | Heating | | Cooling | | Heating | | Cooling | | Heating | |
| | Indoor 53.6°F Outdoor 86°F | | Indoor 104°F Outdoor 68°F | | Indoor 53.6°F Outdoor 59°F | | Indoor 104°F Outdoor 50°F | | Indoor 53.6°F Outdoor 77°F | | Indoor 104°F Outdoor 32°F | |
| | Capacity Btuh | EER Btuh/W | Capacity Btuh | COP | Capacity Btuh | EER Btuh/W | Capacity Btuh | COP | Capacity Btuh | EER Btuh/W | Capacity Btuh | COP |
| GSW036 | 29,800 | 14.3 | 43,000 | 5.0 | 31,200 | 20.6 | 33,400 | 4.0 | 29,800 | 16.2 | 27,200 | 3.3 |
| GSW060 | 44,400 | 12.0 | 63,300 | 4.2 | 49,200 | 17.5 | 53,000 | 3.5 | 46,100 | 13.6 | 40,900 | 2.9 |
| GSW120 | 88,600 | 11.6 | 126,900 | 4.1 | 98,100 | 16.9 | 106,200 | 3.5 | 91,800 | 13.2 | 82,000 | 2.8 |

## PHYSICAL

| Model | 036 | 060 | 120 |
|---|---|---|---|
| Compressor (qty) | Scroll (1) | | Scroll (2) |
| Factory Charge R22 (oz) [kg] | 48 [1.36] | 64 [1.81] | (2) 64 [1.81] |
| **Indoor/Load Water Connection Size** | | | |
| Residential Swivel (in) | 1 | 1 | - |
| Commecial IPT (in) | 3/4 | 1 | 1-1/2 |
| **Outdoor/Source Water Connection Size** | | | |
| Residential Swivel (in) | 1 | 1 | - |
| Commecial IPT (in) | 3/4 | 1 | 1-1/2 |
| **Hot Water Generator Connection Size** | | | |
| Residential Swivel (in) | 1 | 1 | - |
| Commecial IPT (in) | 1/2 | 1/2 | 1/2 |
| Weight - Operating, (lbs) [kg] | 236 [107] | 343 [156] | 725 [329] |
| Weight - Packaged, (lbs) [kg] | 255 [116] | 362 [164] | 765 [347] |

# CLIMATEMASTER WATER-SOURCE HEAT PUMPS

## TRANQUILITY 20™ SINGLE STAGE (TS) SERIES HORIZONTAL AND VERTICAL EARTHPURE

### THE TRANQUILITY 20™ SINGLE-STAGE (TS) SERIES

The award winning Tranquility series raises the bar for Water-Source Heat Pump efficiencies, features and application flexibility. Not only does the Tranquility 20™ far exceed ASHRAE 90.1 efficiencies, but it also uses EarthPure® HFC-410A zero ozone depletion refrigerant, making it an extremely environmentally-friendly option. Tranquility 20™ is eligible for additional LEED™ (Leadership in Energy and Environmental Design) points because of the "green" technology design.

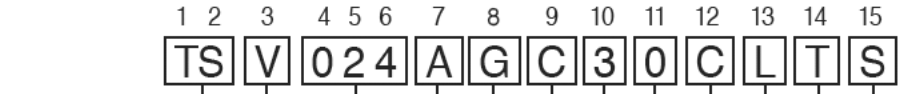
Available in sizes 1/2 tons (1.76 kW) through 6 tons (21.1 kW) with multiple cabinet options (vertical upflow, vertical downflow and horizontal) the Tranquility 20™ offers a wide range of units for most any installation. The Tranquility 20™ has an extended range refrigerant circuit, capable of ground loop (geothermal) applications as well as water loop (boiler-tower) applications. Standard features are many. Copeland scroll compressors (rotary on model 018), microprocessor controls, galvanized steel cabinet, epoxy powder coat paint, stainless steel drain pan and foil-backed air handler insulation are just some of the features of the Tranquility 20™ series.

ClimateMaster's exclusive double isolation compressor mounting system makes the Tranquility 20™ the quietest unit on the market. Compressors are mounted on vibration isolation springs to a heavy gauge mounting plate, which is then isolated from the cabinet base with rubber grommets for maximized vibration/sound attenuation. The unique low profile slanted control box makes installing and maintaining the unit easier than any other water-source heat pump currently in production.

### UNIT FEATURES

- Sizes 006 (1/2 ton, 1.76 kW) through 070 (6 tons, 21.1 kW)
- EarthPure® HFC-410A refrigerant
- Exceeds ASHRAE 90.1 efficiencies
- Galvanized steel construction with attractive black mat epoxy powder coat paint and silver accents
- Stainless steel drain pan
- Foil-backed insulation in air handler section
- Unique double isolation compressor mounting with vibration isolation springs for quiet operation
- Insulated divider and separate compressor/air handler compartments
- Copeland scroll compressors (rotary for model 018)
- TXV metering device
- Extended range (20 to 120°F, -6.7 to 48.9°C) operation
- Microprocessor controls standard (optional DXM and/or DDC controls)
- LonWorks, BACnet, Modbus and Johnson N2 compatibility options for DDC controls
- Field convertible discharge air arrangement for horizontal units
- High static blowers available
- ECM variable speed fan motor available
- Low profile slanted control box for easy access
- Internally trapped condensate drain line (vertical units only)
- Flush securely-mounted corner post water connections (no backup wrench required)
- Unit Performance Sentinel performance monitoring system
- Eight Safeties Standard
- Wide variety of options including e-coated air coils and internal pumps

## TRANQUILITY 20™ SINGLE STAGE (TS) SERIES HORIZONTAL AND VERTICAL EARTHPURE




**Model Type**
TS = Tranquility 20 Single Stage Scroll (Rotary: Size 006-012)

**Configuration**
V = Vertical Upflow
H = Horizontal
D = Vertical Downflow

**Unit Size**
006, 009, 012, 018, 024, 030, 036, 042, 048, 060, 070

**Revision Level**
A = Current Revision
B = Size 018 Current Revision

**Voltage**
G = 208-230/60/1
E = 265/60/1
H = 208-230/60/3
F = 460/60/3
N = 575/60/3

**Controls**
C = CXM
D = DXM
L = CXM w/LON
M = DXM w/LON
N = CXM w/MPC
P = DXM w/MPC

**Cabinet Insulation**
1 = Extended Range
2 = Extended Range w/UltraQuiet
3 = Standard Range
4 = Standard Range w/UltraQuiet

**Water Circuit Options**
0 = None
2 = HWG (Coil Only)
5 = Secondary Circulating Pump
6 = HWG (Coil Only) w/Auto Flow Regulator 2.5 GPM/Ton
7 = HWG (Coil Only) w/Auto Flow Regulator 3.0 GPM/Ton
8 = Auto Flow Regulator 2.5 GPM/Ton
9 = Auto Flow Regulator 3.0 GPM/Ton

**Heat Exchanger Options**

| | Non Coated Air Coil | | Coated Air Coil | |
|---|---|---|---|---|
| | Copper | Cupro-Nickel | Copper | Cupro-Nickel |
| Standard | C | N | A | J |
| ClimaDry Reheat | E | P | D | F |
| Motorized Valve | T | S | U | W |

**Return Air**
L = Left Return
R = Right Return

**Supply Air & Motor Option**

| Option | Supply | Configuration | Motor |
|---|---|---|---|
| T | Top | TSV | PSC |
| D | Down | TSD | PSC |
| B | Back | TSH | PSC |
| S | Straight | TSH | PSC |
| V | Top | TSV | PSC Hi Static |
| U | Down | TSD | PSC Hi Static |
| Y | Back | TSH | PSC Hi Static |
| Z | Straight | TSH | PSC Hi Static |
| K | Top | TSV | ECM |
| N | Down | TSD | ECM |
| P | Back | TSH | ECM |
| W | Straight | TSH | ECM |

**Standard**
S = Standard

# CLIMATEMASTER WATER-SOURCE HEAT PUMPS

## TRANQUILITY 20™ SINGLE STAGE (TS) SERIES HORIZONTAL AND VERTICAL EARTHPURE PERFORMANCE

| Model | 006 | 009 | 012 | 018 | 024 | 030 | 036 | 042 | 048 | 060 | 070 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Compressor (1 Each) | Rotary | | | Scroll | | | | | | | |
| Factory Charge R410A (oz) [kg] | 24 [0.68] | 32 [0.91] | 34 [0.96] | 50 [1.13] | 56 [1.59] | 58 [1.64] | 70 [1.98] | 80 [2.27] | 80 [2.27] | 136 [3.86] | 144 [4.08] |
| **ECM Fan Motor & Blower** | | | | | | | | | | | |
| Fan Motor (hp) [W] | N/A | N/A | N/A | 1/2 [373] | 1/2 [373] | 1/2 [373] | 1/2 [373] | 1/2 [373] | 1 [746] | 1 [746] | 1 [746] |
| Blower Wheel Size (dia x w) - (in) [mm] | N/A | N/A | N/A | 9 x 7 [229 x 178] | 9 x 7 [229 x 178] | 9 x 7 [229 x 178] | 11 x 10 [279 x 254] | 11 x 10 [279 x 254] | 11 x 10 [279 x 254] | 11 x 10 [279 x 254] | 11 x 10 [279 x 254] |
| **PSC Fan Motor & Blower (3 Speeds)** | | | | | | | | | | | |
| Fan Motor (hp) [W] | 1/25 [30] | 1/20 [37] | 1/8 [93] | 1/6 [124] | 1/5 [149] | 1/3 [249] | 1/2 [373] | 1/2 [373] | 3/4 [560] | 1 [746] | 1 [746] |
| High Static Fan Motor (hp) [W] | N/A | N/A | N/A | 1/5 [149] | 1/3 [249] | 1/2 [373] | 1/2 [373] | 3/4 [560] | 3/4 [560] | 1 [746] | Not Available |
| Blower Wheel Size (dia x w) - (in) [mm] | 6 X 5 [152 X 127] | 6 X 5 [152 X 127] | 6 X 5 [152 X 127] | 9 x 7 [229 x 178] | 9 x 7 [229 x 178] | 9 x 7 [229 x 178] | 10 x 10 [254 x 254] | 10 x 10 [254 x 254] | 10 x 10 [254 x 254] | 11 x 10 [279 x 254] | 11 x 10 [279 x 254] |
| **Water Connection Size** | | | | | | | | | | | |
| IPT (in) | 1/2" | 1/2" | 1/2" | 3/4" | 3/4" | 3/4" | 3/4" | 1" | 1" | 1" | 1" |
| **HWG Connection Size** | | | | | | | | | | | |
| IPT (in) | N/A | N/A | N/A | 1/2" | 1/2" | 1/2" | 1/2" | 1/2" | 1/2" | 1/2" | 1/2" |
| **Coax Volume** | | | | | | | | | | | |
| Volume (US Gallons) [liters] | 0.17 [0.64] | 0.29 [1.10] | 0.45 [1.70] | 0.56 [2.12] | 0.76 [2.88] | 0.76 [2.88] | 0.92 [3.48] | 1.24 [4.69] | 1.24 [4.69] | 1.56 [5.91] | 1.56 [5.91] |
| **Vertical Upflow/Downflow** | | | | | | | | | | | |
| Air Coil Dimensions (h x w) - (in) [mm] | 16 x 16 [406 x 406] Upflow Only | 16 x 16 [406 x 406] Upflow Only | 16 x 16 [406 x 406] Upflow Only | 24 x 20 [610 x 508] | 28 x 20 [711 x 508] | 28 x 20 [711 x 508] | 28 x 25 [711 x 635] | 32 x 25 [813 x 635] | 32 x 25 [813 x 635] | 36 x 25 [914 x 635] | 36 x 25 [914 x 635] |
| Standard Filter - 1" [25.4mm] Throwaway, qty (in) [mm] | 16 x 20 [406 x 508] | 16 x 20 [406 x 508] | 16 x 20 [406 x 508] | 24 x 24 [610 x 610] | 28 x 24 [711 x 610] | 28 x 24 [711 x 610] | 28 x 30 [711 x 762] | 2 - 16 x 30 [2 - 406 x 762] | 2 - 16 x 30 [2 - 406 x 762] | 1 - 16 x 30; 1 - 20 x 30 [1 - 406 x 762; 1 - 508 x 762] | 1 - 16 x 30; 1 - 20 x 30 [1 - 406 x 762; 1 - 508 x 762] |
| Weight - Operating, (lbs) [kg] | 126 [57] | 146 [66] | 150 [68] | 252 [114] | 266 [121] | 268 [122] | 327 [148] | 414 [188] | 416 [189] | 441 [200] | 443 [201] |
| Weight - Packaged, (lbs) [kg] | 136 [62] | 156 [71] | 160 [73] | 262 [119] | 276 [125] | 278 [126] | 337 [153] | 424 [192] | 426 [193] | 451 [205] | 453 [206] |
| **Horizontal** | | | | | | | | | | | |
| Air Coil Dimensions (h x w) - (in) [mm] | 16 x 16 [406 x 406] | 16 x 16 [406 x 406] | 16 x 16 [406 x 406] | 18 x 27 [457 x 686] | 18 x 31 [457 x 787] | 18 x 31 [457 x 787] | 20 x 35 [508 x 889] | 20 x 40 [508 x 1016] | 20 x 40 [508 x 1016] | 20 x 45 [508 x 1143] | 20 x 45 [508 x 1143] |
| Standard Filter - 1" [25.4mm] Throwaway, qty (in) [mm] | 16 x 20 [406 x 508] | 16 x 20 [406 x 508] | 16 x 20 [406 x 508] | 2 - 18 x 18 [2 - 457 x 457] | 2 - 18 x 18 [2 - 457 x 457] | 2 - 18 x 18 [2 - 457 x 457] | 1 - 12 x 20; 1- 20 x 25 [1 - 305 x 508; 1 - 508 x 635] | 1 - 18 x 20; 1 - 20 x 24 [1 - 457 x 508; 1 - 508 x 610] | 1 - 18 x 20; 1 - 20 x 24 [1 - 457 x 508; 1 - 508 x 610] | 2 - 20 x 24 [2 - 508 x 610] | 2 - 20 x 24 [2 - 508 x 610] |
| Weight - Operating, (lbs) [kg] | 136 [62] | 156 [71] | 160 [73] | 257 [117] | 266 [121] | 268 [122] | 327 [148] | 414 [188] | 416 [189] | 441 [200] | 443 [201] |
| Weight - Packaged, (lbs) [kg] | 146 [66] | 166 [72] | 170 [77] | 267 [121] | 276 [125] | 278 [126] | 337 [153] | 424 [192] | 426 [193] | 451 [205] | 453 [206] |

## PHYSICAL

| Model | Fan Motor | Water Loop Heat Pump | | | | Ground Water Heat Pump | | | | Ground Loop Heat Pump | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Cooling 86°F | | Heating 68°F | | Cooling 59°F | | Heating 50°F | | Cooling 77°F | | Heating 32°F | |
| | | Capacity Btuh | EER Btuh/W | Capacity Btuh | COP | Capacity Btuh | EER Btuh/W | Capacity Btuh | COP | Capacity Btuh | EER Btuh/W | Capacity Btuh | COP |
| TSH/V006 | PSC | 6,300 | 15.7 | 8,000 | 5.4 | 7,400 | 25.5 | 6,300 | 4.4 | 6,700 | 18.5 | 4,800 | 3.4 |
| TSH/V009 | PSC | 9,300 | 15.3 | 11,100 | 4.8 | 11,100 | 25.2 | 9,400 | 4.3 | 10,000 | 18.1 | 7,100 | 3.4 |
| TSH/V012 | PSC | 11,700 | 15.4 | 13,800 | 4.5 | 13,300 | 24.6 | 11,800 | 4.0 | 12,300 | 18.1 | 9,500 | 3.5 |
| TSH/V/D 018 | PSC | 18,600 | 15.0 | 23,000 | 5.2 | 21,300 | 24.8 | 18,800 | 4.5 | 19,500 | 18.4 | 14,500 | 3.6 |
| | ECM | 19,200 | 16.5 | 23,300 | 5.9 | 22,100 | 26.3 | 18,900 | 4.9 | 20,200 | 19.4 | 14,500 | 3.9 |
| TSH/V/D 024* | PSC | 25,100 | 16.2 | 29,600 | 4.9 | 28,600 | 25.7 | 25,000 | 4.3 | 26,300 | 19.1 | 19,000 | 3.7 |
| | ECM | 25,000 | 17.0 | 30,000 | 5.3 | 28,100 | 27.4 | 25,100 | 4.6 | 26,000 | 20.0 | 19,400 | 3.8 |
| TSH/V/D 030 | PSC | 28,200 | 15.3 | 34,900 | 5.0 | 31,700 | 22.9 | 29,400 | 4.4 | 29,400 | 17.6 | 23,600 | 3.8 |
| | ECM | 28,600 | 15.6 | 35,200 | 5.3 | 32,200 | 23.9 | 29,400 | 4.6 | 29,800 | 18.0 | 23,700 | 3.9 |
| TSH/V/D 036 | PSC | 33,000 | 16.6 | 39,800 | 5.5 | 37,300 | 25.1 | 32,900 | 4.8 | 34,500 | 19.2 | 25,700 | 3.9 |
| | ECM | 33,100 | 17.6 | 39,500 | 5.8 | 37,300 | 26.5 | 32,900 | 5.1 | 34,600 | 20.2 | 25,800 | 4.2 |
| TSH/V/D 042 | PSC | 37,400 | 16.0 | 49,400 | 5.4 | 42,900 | 24.3 | 40,100 | 4.6 | 39,300 | 19.4 | 31,600 | 3.8 |
| | ECM | 37,800 | 17.1 | 48,600 | 5.7 | 44,200 | 27.1 | 39,300 | 4.9 | 40,000 | 20.0 | 30,400 | 4.0 |
| TSH/V/D 048 | PSC | 47,000 | 15.3 | 60,000 | 5.0 | 53,900 | 23.3 | 49,000 | 4.4 | 49,900 | 17.6 | 39,000 | 3.7 |
| | ECM | 47,600 | 15.9 | 59,700 | 5.2 | 54,100 | 24.6 | 48,700 | 4.5 | 50,100 | 18.5 | 38,400 | 3.8 |
| TSH/V/D 060 | PSC | 61,000 | 15.9 | 70,400 | 5.0 | 67,000 | 23.2 | 58,700 | 4.5 | 63,300 | 18.2 | 46,500 | 3.7 |
| | ECM | 61,000 | 16.4 | 70,800 | 5.2 | 67,200 | 24.3 | 59,100 | 4.6 | 64,000 | 19.0 | 46,700 | 3.8 |
| TSH/V/D 070 | PSC | 67,500 | 14.4 | 85,800 | 5.0 | 77,100 | 21.6 | 69,400 | 4.3 | 70,800 | 16.6 | 54,000 | 3.6 |
| | ECM | 67,000 | 15.2 | 84,900 | 5.0 | 77,000 | 23.5 | 69,000 | 4.4 | 70,000 | 17.8 | 53,900 | 3.6 |

## HOSE KITS

CLIMATEMASTER®

**AHK 075 2 - * * * ***

**Hose Kit Type**
AHK = Hoses Only
AHA = Hose Assy. w/Ball Valve
AHB = Measureflo Hose Assy.
AHC = Mesurflo w/Strainer & Blowdown Assy.
AHH = Hoses Only (VHS Units)

**Diameter**
0.50" = 050
0.75" = 075
1.00" = 100
1.25" = 125
1.50" = 150
2.00" = 200

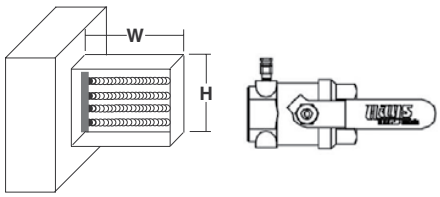
**Length**
1 = One Foot - AHK only
2 = Two Feet
2A = Two Feet - AHH only
3A = Three Feet - AHH only

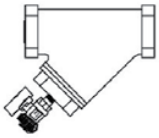
**Flow Rate - Mesurflo only**
Enter dash & 4 digit flow rate for Mesurflo Hose Kits only (AHB & AHC)

Available Flow Rates U.S. GPM

| | | | | | |
|---|---|---|---|---|---|
| 0.75 | 3.00 | 7.00 | 14.0 | 30.0 | 75.0 |
| 1.00 | 3.25 | 7.50 | 15.0 | 35.0 | 80.0 |
| 1.25 | 3.50 | 8.00 | 16.0 | 40.0 | 85.0 |
| 1.50 | 4.00 | 9.00 | 18.0 | 45.0 | 90.0 |
| 1.75 | 4.50 | 10.0 | 20.0 | 50.0 | |
| 2.00 | 5.50 | 11.0 | 22.0 | 60.0 | |
| 2.25 | 6.00 | 12.0 | 24.0 | 65.0 | |
| 2.50 | 6.50 | 13.0 | 25.0 | 70.0 | |

Rev.: 07/09/05D



### All hose part numbers contain 2 hoses

AHK0752
3/4" kit
AHB0752-0450
3/4" kit, 4.5 gpm mesurflo
AHB1002-1200
1" kit, 12.0 gpm mesurflo

Flow Rate Example
GPM number
0.75 = -0075
4.50 = -0450
18.00 = -1800

### Unit Water Connection Sizes

| Unit Size | Water Connection Diameter Table (inches) | | | | | | | | | | | Typical Mesurflo Range** | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 816 | CCE | GC | GR | GS* | GLH | GLV | GLW | TT | TS | HS | | |
| 006 / 007 | | 0.50 | 0.50 | 0.50 | | | | | | | | 1.25 [0.079] | 1.50 [0.095] |
| 009 / 010 | 0.50 | 0.50 | 0.50 | 0.50 | | | | | | | | 1.75 [0.110] | 2.25 [0.142] |
| 012 | | 0.50 | 0.50 | 0.50 | | | | | | | | 2.25 [0.142] | 3.00 [0.189] |
| 015 | 0.50 | 0.50 | | 0.75 | 0.75 | | | | | | | 3.00 [0.189] | 4.00 [0.252] |
| 018 / 019 / 020 | 0.50 | 0.50 | 0.50 | 0.75 | 0.75 | | | | | 0.75 | | 3.50 [0.221] | 4.50 [0.284] |
| 024 / 026 / 028 | 0.75 | | 0.75 | 0.75 | 0.75 | | | | 0.75 | 0.75 | | 4.50 [0.284] | 6.00 [0.378] |
| 030 | 0.75 | | 0.75 | 0.75 | 0.75 | | | | | 0.75 | | 6.00 [0.378] | 8.00 [0.504] |
| 036 / 038 | 0.75 | | 0.75 | 0.75 | 0.75 | | | | 0.75 | 0.75 | | 7.00 [0.441] | 9.00 [0.567] |
| 041 / 042 | | | 0.75 | 1.00 | 1.00 | | | | | 1.00 | | 8.00 [0.504] | 11.0 [0.693] |
| 048 / 049 | | | 1.00 | 1.00 | 1.00 | | | | 1.00 | 1.00 | 1.00 | 9.00 [0.567] | 12.0 [0.756] |
| 060 / 064 | | | 1.00 | 1.00 | 1.00 | | | | 1.00 | 1.00 | 1.00 | 12.0 [0.756] | 15.0 [0.945] |
| 070 / 072 | | | | | 1.00 | 1.25 | | | | 1.00 | | 14.0 [0.882] | 18.0 [1.134] |
| 080 | | | | | | | 1.50 | | | | | 15.0 [0.945] | 20.0 [1.260] |
| 096 / 100 | | | | | | 1.25 | 1.50 | | | | | 18.0 [1.134] | 24.0 [1.512] |
| 120 | | | | | 1.50 | 1.25 | 1.50 | | | | | 23.0 [1.744] | 30.0 [1.890] |
| 160 | | | | | | | 1.50 | | | | | 30.0 [1.890] | 40.0 [2.520] |
| 200 | | | | | | | 1.50 | | | | | 40.0 [2.520] | 50.0 [3.150] |
| 240 | | | | | | | 1.50 | | | | | 45.0 [2.835] | 60.0 [3.780] |
| 300 | | | | | | | 1.50 | | | | | 60.0 [3.780] | 75.0 [4.725] |
| 360 | | | | | | | | 2.00 | | | | 60.0 [3.780] | 90.0 [5.670] |

*GSH/GSV sizes 015 to 070; GSW sizes 036, 060, 120

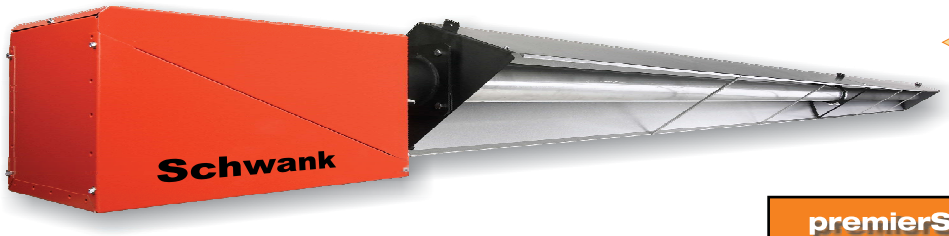
**Flow rate in U.S. GPM [l/s]

# Schwank Gas Fired Radiant Heaters

Schwank INNOVATIVE HEATING SOLUTIONS

*Profitable energy-wise heating solutions from the world market leader*

## premierSchwank Tube Heater Series




Minimum 35% Fuel Savings

## Simple installation

Easy Service Access

Electrical Cord & Plug

Factory Mounted Igniter

Operating Status Lights

**premierSchwank**

| Tube Length | Available Inputs (Btuh NG or LP) |
|---|---|
| 10’ | 45,000 |
| 20’ | 45,000; 60,000; 80,000; 100,000 |
| 30’ | 60,000; 80,000; 110,000; 130,000 |
| 40’ | 80,000; 110,000; 130,000; 155,000 |
| 50’ | 110,000; 130,000; 155,000 |
| 60’ | 155,000 |
| 50’ | 175,000; 200,000 |
| 60’ | 175,000; 200,000 |
| 70’ | 175,000; 200,000 |

*See chart next page to order corresponding burner and tube kits.*

## Features and benefits your customers will love

- ✓ Significant energy cost and carbon foot print reduction of 35% - 50%
  - Quick pay-back
  - Sustainable development

reduced $CO_2$

- ✓ Whisper-Jet technology burner
  - Long laminar flame
  - More uniform heat distribution for improved employee comfort
  - Higher radiant efficiency saves fuel dollars
- ✓ Deep focus-shield reflector
  - Traps and converts convection heat to radiant heat
  - Directs more radiant heat to work level
  - Improved uniform employee comfort
  - Increased economy of operation

Professional radiant heating design service.
Helps you lock the job!
*Contact your local ISC branch for further information.*

*Complete product line information at* **www.SchwankGroup.com**

# GAS FIRED RADIANT HEATERS

## Order premierSchwank Component Kits:

Schwank INNOVATIVE HEATING SOLUTIONS

| ORDER: BURNER KIT + GAS CONNECTOR + TUBE KIT(s) | | | | Order: TUBE KIT PART # & QUANTITY REQUIRED | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Stand-Alone Kits | | | | | Primary Kits + | | Secondary Kits | | | |
| | | | Nominal Tube Length (ft) → | 10' | 20' | 20' | 30' | 40' | 30' | 30' | 20' | 30' | 40' |
| INPUT (Btuh) | BURNER KIT *Wt = 30 lb* | Type 1 Hose Connector * | ↓ | TS-4510-JZ | TS-1020-JZ | TS-1420-JZ | TS-1430-JZ | TS-1040-JZ | TS-F030-JZ | TS-1030-JZ | TS-0020-JZ | TS-0030-JZ | TS-0040-JZ |
| 45,000 | JS-S045-AN | 1/2" x 36" JL-0771-RC | 10' | 1 | | | | | | | | | |
| | | | 20' | | | 1 | | | | | | | |
| 60,000 | JS-S060-AN | 1/2" x 36" JL-0771-RC | 20' | | | 1 | | | | | | | |
| | | | 30' | | | | 1 | | | | | | |
| 80,000 | JS-S080-AN | 1/2" x 36" JL-0771-RC | 20' | | | 1 | | | | | | | |
| | | | 30' | | | | 1 | | | | | | |
| | | | 40' | | | | | 1 | | | | | |
| 100,000 | JS-S100-AN | JL-0771-RC | 20' | | 1 | | | | | | | | |
| 110,000 | JS-S110-AN | 1/2" x 36" JL-0771-RC | 30' | | | | 1 | | | | | | |
| | | | 40' | | | | | 1 | | | | | |
| | | | 50' | | | | | | 1+ | | 1 | | |
| 130,000 | JS-S130-AN | 3/4" x 36" JL-0771-RB | 30' | | | | 1 | | | | | | |
| | | | 40' | | | | | 1 | | | | | |
| | | | 50' | | | | | | 1+ | | 1 | | |
| 155,000 | JS-S155-AN | 3/4" x 36" JL-0771-RB | 40' | | | | | 1 | | | | | |
| | | | 50' | | | | | | 1+ | | 1 | | |
| | | | 60' | | | | | | 1+ | | | 1 | |
| 175,000 | JS-S175-AN | 3/4" x 36" JL-0771-RB | 50' | | | | | | | 1+ | 1 | | |
| | | | 60' | | | | | | | 1+ | | 1 | |
| | | | 70' | | | | | | | 1+ | | | 1 |
| 200,000 | JS-S200-AN | 3/4" x 36" JL-0771-RB | 50' | | | | | | | 1+ | 1 | | |
| | | | 60' | | | | | | | 1+ | | 1 | |
| | | | 70' | | | | | | | 1+ | | | 1 |
| | | *Tube Kit Gross Weight (lbs)* | | 70 | 120 | 120 | 170 | 210 | 165 | 165 | 120 | 165 | 210 |

** Type 1 Hose Connector is now mandatory for gas connection to a tube heater*

### Other Schwank Tube Models

Two Stage
Car wash / Harsh environment
Builder Market
Outdoor / Patio

### Garage / Shop

| Tube Length | Available Inputs (Btuh) |
|---|---|
| 10 ‘ | 45,000 |
| 20’ | 45,000; 60,000 |
| 30’ | 60,000 |

*Contact your local Independent Supply branch for Burner & Tube Kit order numbers.*

### TruTemp Infrared Setback Thermostat

**JM-0150-XX**

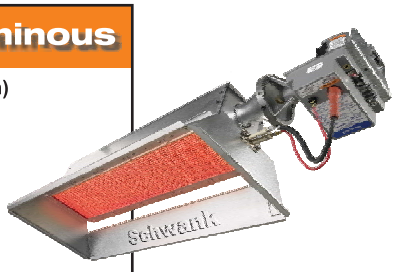
*Senses and averages ambient & radiant temperatures for true comfort and savings*

*The ONLY True Infrared Thermostat Use with all Schwank Radiant Heaters*

## Efficient Economical Luminous Heaters:

### ecoSchwank Luminous

| Model | Inputs (Btuh) |
|---|---|
| Eco 6 | 21,500 |
| Eco 10 | 35,000 |
| Eco 13 | 50,000 |
| Eco 18 | 71,500 |
| Eco 26 | 100,000 |
| Eco 32 | 150,000 |
| Eco 52 | 200,000 |



# patioSchwank Outdoor Comfort

Schwank INNOVATIVE HEATING SOLUTIONS

## patioSchwank 4000-CB Series

**4005-CB** Stainless Steel Propane | **4002-CB** Hammered Black Propane | **4SN5-CB** Natural Gas **4SL5-CB** Propane | **4BN6-CB** Natural Gas **4BL6-CB** Propane

***Portables***: *32" One piece reflector ships in separate carton*

| Model | Finish | Order Part # |
|---|---|---|
| **4005-CB** | Stainless | PS-4005-CB |
| **4002-CB** | Black | PS-4002-CB |

*32" One piece reflector ships in separate carton*

***Fixed Post Mount***: *Ships in 3 cartons*

| Model | | Finish | Order Part # |
|---|---|---|---|
| **4SN/L5-CB** | | Stainless | |
| 1 | One Piece Post | | JP-4PST-SS |
| 2 | 32" One Piece Reflector | | JP-4070-CB |
| 3 | *either* Burner & Base (NG) | | JP-4SN5-CB |
| | *or* Burner & Base (LP) | | JP-4SL5-CB |
| **4BN/L6-CB** | | Hammered Black | |
| 1 | One Piece Post | | JP-4PST-BK |
| 2 | 32" One Piece Reflector | | JP-4070-CB |
| 3 | *either* Burner & Base (NG) | | JP-4BN6-CB |
| | *or* Burner & Base (LP) | | JP-4BL6-CB |

## patioSchwank 2300 Series

Perimeter overhead mount
Best comfort - frees floor space
3 Sizes in NG or LP

***ALL MODELS ARE BLACK FINISH***

| Model | Input (Btuh) | Gas | 409 Stainless Lens* Order Part # | 304 Stainless Lens** Order Part # |
|---|---|---|---|---|
| 2312 | 23,000 | NG | MO-2312-NG | MO-2312-SN |
| | | LP | MO-2312-LP | MO-2312-SL |
| 2313 | 35,000 | NG | MO-2313-NG | MO-2313-SN |
| | | LP | MO-2313-LP | MO-2313-SL |
| 2315 | 50,000 | NG | MO-2315-NG | MO-2315-SN |
| | | LP | MO-2315-LP | MO-2315-SL |

* *ALL 2300 models have a stainless steel lens that has a black emissive coating, and body is black finish*
*Standard model has aluminized steel body + 409 Stainless steel lens that can oxidize in some environments*
** *All stainless construction model has 304 stainless steel lens that will not oxidize - best for salt-air coastal regions*

## patioSchwank 3000 Series

Direct vent from under roof or canopy cover

45,000 to 155,000 - 10 ft to 40 ft

Powder coated burner housing *(SPW-JZ Series)*
or stainless steel burner housing *(STW-JZ Series)*

*Contact your local Independent Supply branch for Burner & Tube Kit order numbers.*

**patioSchwank 3000** *shown with optional Tuxedo Grille (TG-0010-KT is a 10 ft kit)*

## FSA SERIES GAS FIRED UNIT HEATERS

The FSA series gas fired unit heaters deliver 81% thermal efficiency. Self diagnostic circuit board provides dependable operation and ease of troubleshooting. Airfoil design air vanes direct the air to the floor where needed. Direct spark ignition with lockout.

| | Total BTU/hr | | | | | |
|---|---|---|---|---|---|---|
| Order Number | Input | Output | Air Volume CFM | Max Mount Height (ft) | Flue Size (in) | Ship Weight (lbs) |
| FSA-N-30 | 30,000 | 24,300 | 536 | 10 | 3 | 60 |
| FSA-N-45 | 45,000 | 36,450 | 750 | 10 | 3 | 63 |
| FSA-N-60 | 60,000 | 48,000 | 830 | 12 | 4 | 87 |
| FSA-N-75 | 75,000 | 60,000 | 950 | 12 | 4 | 91 |

## SEP SERIES GAS-FIRED PROPELLER UNIT HEATERS

Features: gas-fired propeller fan unit heaters spark ignition; power vented 78°; delivers steady seasonal heating efficiencies up to 81%; SSE LP kits available.

| | Total BTU/hr | | | | | |
|---|---|---|---|---|---|---|
| Order Number | Input | Output | Air Volume CFM | Max Mount Height (ft) | Flue Size (in) | Ship Weight (lbs) |
| SEP-115-AN | 115,000 | 92,000 | 1,900 | 16 | 4 | 140 |
| SEP-145-AN | 145,000 | 116,000 | 1,900 | 20 | 4 | 150 |
| SEP-175-AN | 172,500 | 138,000 | 2,200 | 20 | 5 | 165 |
| SEP-200-AN | 195,000 | 156,000 | 2,200 | 20 | 5 | 165 |
| SEP-230-AN | 230,000 | 184,000 | 4,400 | 30 | 5 | 270 |
| SEP-300-AN | 287,500 | 230,000 | 4,400 | 30 | 5 | 285 |
| SEP-345-AN | 345,000 | 276,000 | 4,400 | 30 | 6 | 310 |
| SEP-400-AN | 390,000 | 312,000 | 4,400 | 30 | 6 | 310 |

## FOA SEPARATED COMBUSTION UNIT HEATERS

Separated combustion; models 100 and 125 are also residentially approved; thermal efficiency up to 82%; self diagnostic board indicator light provides unit operation information; direct spark ignition control provides positive burner ignition; optional concentric vent kit contains all parts required for termination; dependable tubular heat exchanger eliminates stresses caused by welds commonly found in clam shell construction; easy to clean, low maintenance inshot burner assembly; power venter allows horizontal or vertical venting; hinged door with burner view port allows for easy serviceability; external gas, line voltage, and thermostat connections; available in natural gas or LP from the factory or with kit; 2 year warranty on parts and 10 years on heat exchanger.

| | Total BTU/hr | | | | | |
|---|---|---|---|---|---|---|
| Order Number | Input | Output | Air Volume CFM | Max Mount Height (ft) | Flue Size (in) | Ship Weight (lbs) |
| FOA-N-100 | 100,000 | 80,000 | 2,435 | 20 | 6 | 188 |
| FOA-N-125 | 125,000 | 10,1250 | 2,435 | 20 | 6 | 204 |
| FOA-N-150 | 150,000 | 120,000 | 2,955 | 20 | 6 | 261 |
| FOA-N-200 | 200,000 | 164,000 | 2,955 | 20 | 6 | 266 |
| FOA-N-250 | 240,000 | 194,400 | 5,215 | 30 | 6 | 307 |
| FOA-N-300 | 300,000 | 240,000 | 5,215 | 30 | 6 | 323 |

## HED SERIES GAS-FIRED DUCT FURNACES

**78% THERMAL EFFICIENCY**

All heaters have a sealed flue collector and a power exhaust system which enable conventional vertical venting or horizontal venting up to 40 feet. Power exhaust, when used with horizontal venting, lowers operating cost because it reduces stack losses. It also allows the option of not penetrating the roof, or multiple floors.

| | Total BTU/hr | | | | |
|---|---|---|---|---|---|
| Order Number | Input | Output | Flue Size (in) | Gas Connections (in) | Ship Weight (lbs) |
| HED-075-A | 75,000 | 58,500 | 4 | 1/2 | 95 |
| HED-100-A | 100,000 | 78,000 | 4 | 1/2 | 130 |
| HED-125-A | 125,000 | 97,500 | 4 | 1/2 | 135 |
| HED-150-A | 150,000 | 117,000 | 4 | 1/2 | 150 |
| HED-200-A | 200,000 | 156,000 | 5 | 3/4 | 245 |
| HED-250-A | 250,000 | 195,000 | 5 | 3/4 | 260 |
| HED-300-A | 300,000 | 234,000 | 5 | 3/4 | 275 |

# OLSEN BOILERS

## QUANTUM 95M-200 MODULATING CONDENSING BOILER

**NATURAL OR PROPANE GAS FIRED BOILER**

Olsen's new Q95M-200 gas-fired modulating condensing boiler is the only 95% AFUE boiler available today. Ideal for high efficiency replacement jobs, new homes, radiant heating, and domestic hot water applications. The Q95M cost saving features include infinitely modulating capacity from 80 to 200 MBH, outdoor temperature reset, and domestic hot water priority. The Q95''s electrical operating costs are lower than other high efficiency boilers because no primary/secondary dedicated piping arrangement is required. One circulator can service the boiler and all zones. Intake and flue gasses can be piped with readily available 3" PVC to 60'' and the contractor has the option of left, right or rear exit for return plumbing and gas piping. Piping connections on the rear and top of the units facilitate multiple boiler installations with boilers in close quarters and the integral condensate trap requires no field assembly. The unit features a standard 115v convenience outlet as well.

| | Input MBH | | MBH | | | | |
|---|---|---|---|---|---|---|---|
| Order Number | Max | Min | Heating Capacity | I=B=R Net Rating | AFUE | Flue Diameter | Ship Weight (lbs) |
| Q95M-200 | 200 | 80 | 118 | 103 | 95 | .85 x 80B | 80.0 |

## OLSEN HIGH EFFICIENCY QUANTUM 90 GAS FIRED HOT WATER BOILERS

**NATURAL OR PROPANE GAS FIRED BOILER**

The Q90-100 offers a remarkable 90% AFUE efficiency rating, dramatically reducing fuel consumption and paying for itself in substantial fuel savings. The Q90-100 utilizes a cast aluminum heat exchanger, offering greater thermal conductivity which transfers heat three times faster than conventional cast iron and produces enormous gains in heat-up speed and operating efficiency. The Q90-100 features integrated boiler control with high limit for operation, safety and diagnostics. Ignition is provided by a hot surface igniter and single stage gas valve. Air flow proving switches ensure air intake and exhaust vents are clear. All components are easily accessible for ease of installation and maintenance. Unlike conventional atmospheric boilers, the Q90-100 has sealed combustion, direct-vent forced draft design to draw fresh air from outdoors for combustion, instead of from inside the home. Cooled flue gas can be safely vented through inexpensive, readily available and easy to install PVC, after 5 inches of CPVC provided with the unit. Air intake utilizes PVC pipe.

| Order Number | Input MBH | Heat Capacity MBH | I=B=R Net Rating MBH | AFUE | H x W x D (in) | Ship Weight (lbs) |
|---|---|---|---|---|---|---|
| Q90-50 | 50 | 45 | 39 | 90.0 | 39 1/2 x 28 x 19 3/4 | 220 |
| Q90-75 | 75 | 68 | 59 | 90.0 | 39 1/2 x 28 x 19 3/4 | 220 |
| Q90-100 | 100 | 90 | 78 | 90.0 | 39 1/2 x 28 x 19 3/4 | 220 |

## OLSEN HIGH EFFICIENCY QUANTUM 90-200 SERIES GAS FIRE HOT WATER BOILERS

**NATURAL OR PROPANE GAS FIRED BOILER**

The Q90-200 offers a remarkable 90% AFUE efficiency rating, dramatically reducing fuel consumption and paying for itself in substantial fuel savings. The Q90-200 utilizes a cast aluminum heat exchanger, offering greater thermal conductivity which transfers heat three times faster than conventional cast iron and produces enormous gains in heat-up speed and operating efficiency. The units feature integrated boiler control with high limit for operation, safety and diagnostics. Ignition is provided by a hot surface igniter and single stage gas valve. Air flow proving switches ensure air intake and exhaust vents are clear. All components are easily accessible for ease of installation and maintenance. Unlike conventional atmospheric boilers, the Q90-200 has sealed combustion, direct-vent forced draft design to draw fresh air from outdoors for combustion, instead of from inside the home. Cooled flue gas can be safely vented through inexpensive, readily available and easy to install PVC, after 5 inches of CPVC provided with the unit. The air intake also utilizes PVC pipe.

| Order Number | Input MBH | Heat Capacity MBH | I=B=R Net Rating MBH | AFUE | Flue Size (in) | Ship Weight (lbs) |
|---|---|---|---|---|---|---|
| Q90-125 | 125 | 112.5 | 98 | 90.0 | 3 | 278 |
| Q90-150 | 150 | 135.0 | 117 | 90.0 | 3 | 278 |
| Q90-175 | 175 | 157.5 | 137 | 90.0 | 3 | 278 |
| Q90-200 | 200 | 180.0 | 157 | 90.0 | 3 | 278 |

NEW PRODUCT

Olsen
Heating & Cooling Products
An ECR International Ltd. Brand

## OLSEN GAS FIRED HOT WATER BOILERS

**NATURAL OR PROPANE GAS FIRED BOILER**

The OMGB Series boiler features an advanced heat exchanger design that utilizes atmospheric burners allowing it to be vented vertically through a chimney. This heat exchanger design combined with quality components such as a flue damper and electronic ignition helps the OMGB achieve fuel efficiencies up to 84.1%, making it an ideal choice for new or existing homes.

| Order Number | CSA Input BTU/hr | Heat Capacity BTU/hr | I=B=R Net Output BTU/hr | Natural Gas Inlet | AFUE |
|---|---|---|---|---|---|
| OMGB-50HIDG1 | 50,000 | 42,000 | 37,000 | 1/2 | 84.1 |
| OMGB-75HIDG1 | 75,000 | 63,000 | 55,000 | 1/2 | 83.1 |
| OMGB-100HIDG1 | 100,000 | 83,000 | 72,000 | 1/2 | 83.0 |
| OMGB-125HIDG1 | 125,000 | 104,000 | 90,000 | 1/2 | 82.0 |
| OMGB-150HIDG1 | 150,000 | 124,000 | 108,000 | 1/2 | 83.0 |
| OMGB-175HIDG1 | 175,000 | 143,000 | 124,000 | 1/2 | 81.0 |
| OMGB-200HIDG1 | 200,000 | 165,000 | 143,000 | 1/2 | 81.9 |
| OMGB-250HIDG1 | 250,000 | 205,000 | 178,000 | 3/4 | 80.5 |
| OMGB-300HIDG1 | 300,000 | 243,000 | 214,000 | 3/4 | 80.0 |

## OLSEN GAS FIRED BOILERS

**COMMERCIAL GAS FIRED HOT WATER MULTIPLE BOILER SYSTEM**

The Modu-Pac is designed for replacement or new construction in large residences or commercial applications requiring hot water heat. Ideal for heavy duty space heating, large volume domestic water heating, or combination of space and domestic water heating. Modu-Pac boilers are composed of two or more modules. Couple the Modu-Pac with a step-fire control and receive exceptional fuel efficiencies by matching the heating demand on a continuous basis. Modules may be arranged either side-to-side or back-to-back for installation flexibility.

| | | BTU/hr | | | | | |
|---|---|---|---|---|---|---|---|
| Order Number | Modules | AGA Input | AGA Output | I=B=R Water Ratings | SQ. FT. | Water Content (gal) | Ship Weight (lbs) |
| OMAGB-500HID | 2 | 500,000 | 410,000 | 356,000 | 2,377 | 17.6 | 945 |
| OMAGB-600HID | 2 | 600,000 | 480,000 | 423,000 | 2,817 | 20.8 | 1,065 |
| OMAGB-750HID | 3 | 750,000 | 615,000 | 533,000 | 3,553 | 26.4 | 1,400 |
| OMAGB-900HID | 3 | 900,000 | 720,000 | 634,000 | 4,226 | 31.2 | 1,600 |
| OMAGB-1000HID | 4 | 1,000,000 | 820,000 | 713,000 | 4,753 | 35.2 | 1,890 |
| OMAGB-1200HID | 4 | 1,200,000 | 960,000 | 845,000 | 5,635 | 41.6 | 2,135 |
| OMAGB-1500HID | 5 | 1,500,000 | 1,200,000 | 1,057,000 | 7,043 | 52.0 | 2,665 |
| OMAGB-1800HID | 6 | 1,800,000 | 1,440,000 | 1,268,000 | 8,452 | 62.4 | 3,200 |
| OMAGB-2100HID | 7 | 2,100,000 | 1,680,000 | 1,479,000 | 9,861 | 72.8 | 3,730 |
| OMAGB-2400HID | 8 | 2,400,000 | 1,920,000 | 1,690,000 | 11,289 | 83.2 | 4,265 |

## OLSEN CAST IRON OIL-FIRED BOILERS

**OIL FIRED / HOT WATER**

The OBC Series high efficiency, cast iron boilers are an ideal choice for cost-conscious homeowners who are upgrading their existing boilers or replacing an expensive electric heating system. Cast iron construction advantages of long life, efficiency, dependability, and easy maintenance, coupled with the limited lifetime warranty, make the OBC an excellent investment. The BC may be ordered with a tankless hot water coil to provide domestic hot water.

| | Oil Burner Input | | DOE Heat Capacity | | Min Chimney Size (in) | | Pump Pressure | Nozzle Furnished | |
|---|---|---|---|---|---|---|---|---|---|
| Order Number | GPH | MBH | MBH | Water MBH | Round | Square | PSI | 140 PSIG | AFUE |
| OBC3G1 | 1.00 | 140 | 118 | 103 | 6 | 8 x 8 x 15 | 140 | .85 x 80B | 80.0 |
| OBC4G1 | 1.40 | 196 | 165 | 143 | 6 | 8 x 8 x 15 | 140 | 1.25 x 80B | 81.0 |

NEW PRODUCT

Olsen Heating & Cooling Products
An ECR International Ltd. Brand

# IMPERIAL HRV

## HEAT RECOVERY VENTILATORS

**HORIZONTAL SERIES**

The Professional Series HRV has 2 operating modes: Intermittent and Continuous Ventilation; Variable speed, ISF 6" diameter collar system. The Deluxe Series HRV has 3 operating modes: Intermittent, Continuous Ventilation and Recirculation; Equipped with a 5th ISF 6" diameter collar for recirculation.

| Order Number | Description | L x W x H (in) |
|---|---|---|
| 100835 | Professional HRV 30 to 160 CFM | 23 7/8 x 21 1/2 x 11 3/8 |
| 100836 | Professional HRV 50 to 220 CFM | 23 7/8 x 21 1/2 x 16 1/2 |
| 100838 | Deluxe HRV 30 to 160 CFM (c/w Recirculation Damper) | 31 x 21 1/2 x 11 3/8 |

## STATIC HEAT RECOVERY VENTILATORS

IAQ

**HORIZONTAL SERIES**

Static model features optional motorized dampers; dehumidistat included; 6" diameter collar system; No motor, model must be installed on forced air system.

| Order Number | Description | L x W x H (in) |
|---|---|---|
| 100842 | Static HRV 0 to 80 CFM * | 23 7/8 x 21 1/2 x 11 3/8 |
| 100843 | Static HRV 0 to 120 CFM * | 23 7/8 x 21 1/2 x 16 1/2 |
| 100844 | Static HRV 0 to 80 CFM (c/w Motorized Damper) * | 23 7/8 x 21 1/2 x 11 3/8 |
| 100845 | Static HRV 0 to 120 CFM (c/w Motorized Damper) * | 23 7/8 x 21 1/2 x 16 1/2 |

## ENERGY RECOVERY VENTILATORS

Imperial

**HORIZONTAL SERIES**

If you use an air conditioning system more often than a heating system you need an Energy Recovery Ventilator. ERV transfers latent energy (humidity) from the most humid air current to the driest, while transferring heat. So in winter, the outside air will absorb the exhaust air's humidity and in summer the reverse.

| Order Number | Description | L x W x H (in) |
|---|---|---|
| 100846 | Professional ERV 30 to 160 CFM | 23 7/8 x 21 1/2 x 12 |
| 100847 | Professional ERV 50 to 220 CFM | 23 7/8 x 21 1/2 x 16 1/2 |
| 100848 | Deluxe ERV 30 to 160 CFM (c/w Recirculation Damper) | 21 x 21 1/2 x 11 3/8 |
| 100849 | Deluxe ERV 50 to 220 CFM (c/w Recirculation Damper) | 31 x 21 1/2 x 16 1/2 |

## HEAT RECOVERY VENTILATORS

***IAQ - What are you doing to protect the health of your customers?***

**LCH SERIES LIGHT COMMERCIAL HRV AND ERV**

Types of applications: classrooms, locker rooms, washrooms, large homes, conference rooms, restaurants & bars, and office buildings. All products are designed with high-performance and reliable motors for your comfort and peace of mind.

| Order Number | Description |
|---|---|
| 101187 | Light commercial HRV 30 to 700 CFM c/w aluminum cores 8 x 14" rectangle duct |
| 101368 | Light commercial HRV 30 to 700 CFM c/w polypropylene 8 x 14" rectangular duct, residential application only |
| 101369 | Light commercial HRV 30 to 700 CFM c/w enthalpy cores 8 x 14" rectangular duct |
| 101088 | Light commercial HRV 70 to 1200 CFM c/w aluminum cores 8 x 20" rectangular duct |
| 101507 | Light commercial HRV 70 to 1200 CFM c/w polypropylene cores 8 x 20" rectangular duct, residential application only |
| 101508 | Light commercial HRV 70 to 1200 CFM c/w enthalpy cores 8 x 20" rectangular duct |

**IMPERIAL VENTILATORS AND HEAT RECOVERY VENTILATORS**

Types of applications: classrooms, locker rooms, washrooms, large homes, conference rooms, restaurants & bars, and office buildings. All products are designed with high-performance and reliable motors for your comfort and peace of mind.

| Order Number | Description | L x W x H (in) |
|---|---|---|
| 101548 | Imperial Ventilator 100 CFM 6" ISF diameter Collar system | 18 1/4 x 13 3/4 x 12 5/8 |
| 100644 | Imperial Ventilator 125 CFM 5" diameter collars | 20 x 19 x 13 |
| 100652 | Imperial Side Port HRV 160 CFM 6" diameter collars | 23 7/8 x 21 1/2 x 11 3/8 |
| 100822 | Imperial Top Port HRV 160 CFM 6" diameter collars | 23 7/8 x 21 1/2 x 18 3/4 |
| 100653 | Imperial Side Port HRV 220 CFM 6" diameter collars | 23 7/8 x 21 1/2 x 16 1/2 |

## RANGE OF CONTROLS

### GREEN THINKER SERIES

Imperial is a recognized leader in the air quality industry, and the only manufacturer committed to offering you a complete range of products designed to improve indoor air quality. Ventilation, purification, humidification and filtration products for forced air and stand alone systems are available.

| Order Number | Description |
|---|---|
| 100852 | Dehumidistat (2 wires) Feature: Dehumidistat to choose the humidity level |
| 100853 | Dehumidistat (4 wires) Feature: Speed control (off, normal, reduced); Light on Override |
| 100854 | Dehumidistat for Professional Model (4 wires) Features: Speed Control (off, normal, reduced); Mode Control (intermittent, re-circulation, continuous); Light on Override |
| 100855 | Dehumidistat for Deluxe Model (4 wires) Features: Speed Control (off, normal, reduced); Mode Control (intermittent, re-circulation, continuous); Light on Override |
| 100856 | Dehumidistat for Professional Model (4 wires) Features: Speed Control (off, normal, reduced); Mode Control (intermittent, continuous); Cycle per Hour (off, 20/40 and 30/30) Light on Override; Maintenance Light |
| 100857 | Dehumidistat for Deluxe Model (4 wires) Features: Speed Control (off, normal, reduced); Mode Control (intermittent, re-circulation, continuous); Cycle per Hour (off, 20/40 and 30/30) Light on Override; Maintenance Light |
| 100858 | Push-Button Timer (3 wires) Features: High Speed 20/40/60 Minutes Exchange |

# IMPERIAL INLINE FANS

### PLASTIC IN-LINE FANS

| Order Number | Description |
|---|---|
| 101240 | 4” diameter Plastic In-Line Fan 95 CFM at 0.20 ESP in W.C. |
| 100099 | 4” diameter Plastic In-Line Fan 150 CFM at 0.20 ESP in W.C. |
| 100100 | 5” diameter Plastic In-Line Fan 190 CFM at 0.20 ESP in W.C. |
| 100101 | 6” diameter Plastic In-Line Fan 270 CFM at 0.20 ESP in W.C. |
| 100102 | 6 1/4” diameter Plastic In-Line Fan 270 CFM at 0.20 ESP in W.C. |
| 100103 | 6 1/4” diameter Plastic In-Line Fan 360 CFM at 0.20 ESP in W.C. |
| 100104 | 8” diameter Plastic In-Line Fan 430 CFM at 0.20 ESP in W.C. |
| 100105 | 8” diameter Plastic In-Line Fan 520 CFM at 0.20 ESP in W.C. |
| 100106 | 10” diameter Plastic In-Line Fan 470 CFM at 0.20 ESP in W.C. |
| 100107 | 10” diameter Plastic In-Line Fan 570 CFM at 0.20 ESP in W.C. |

### METAL IN-LINE FANS

| Order Number | Description |
|---|---|
| 100108 | 4” diameter Metal In-Line Fan 140 CFM at 0.20 ESP in W.C. |
| 100109 | 5” diameter Metal In-Line Fan 190 CFM at 0.20 ESP in W.C. |
| 100110 | 6” diameter Metal In-Line Fan 240 CFM at 0.20 ESP in W.C. |
| 100111 | 6” diameter Metal In-Line Fan 400 CFM at 0.20 ESP in W.C. |
| 100114 | 8” diameter Metal In-Line Fan 470 CFM at 0.20 ESP in W.C. |
| 100115 | 8” diameter Metal In-Line Fan 520 CFM at 0.20 ESP in W.C. |
| 100116 | 10” diameter Metal In-Line Fan 470 CFM at 0.20 ESP in W.C. |
| 100117 | 10” diameter Metal In-Line Fan 570 CFM at 0.20 ESP in W.C. |

## DRYER BOOSTER FANS

| Order Number | Description |
|---|---|
| 100119 | 4” diameter Plastic Dryer Booster c/w Electronic Pressure Switch |
| 100120 | 4” diameter Metal Dryer Booster c/w Electronic Pressure Switch |

## IN-LINE FAN ACCESSORIES

### MOUNTING CLAMPS

| Order Number | Description |
|---|---|
| 100280 | 4” diameter Anti-Vibration Mounting Clamp |
| 100281 | 5” diameter Anti-Vibration Mounting Clamp |
| 100282 | 6” diameter Anti-Vibration Mounting Clamp |
| 100284 | 8” diameter Anti-Vibration Mounting Clamp |
| 100285 | 10” diameter Anti-Vibration Mounting Clamp |

### VARIABLE SPEED CONTROL

| Order Number | Description |
|---|---|
| 100316 | Solid State Variable Speed (5.0Amp, 120V, 60Hz) |

# IMPERIAL HRV

## WHOLE HOUSE HEPA

**FILTRATION SYSTEM**

Our German engineered motors feature backward-inclined impeller blades for high air flow efficiency and low energy consumption. Equipped with this maintenance free PSC motor with permanently sealed lubricated ball bearings, Imperial's HEPA system performs better, lasts longer and requires less energy than any other comparable model. Each motor is tested individually and balanced for optimum performance.

| Order Number | Description |
|---|---|
| 100851 | Hepa Plenum System Unit (Ducting Flairs Plenum Mounting System) 17" x 13" x 22" |
| 100608 | Kit Collar Mount Hepa (8" Round Collars) Plenum and Stand Alone Installation |
| 100623 | Imperial 3 in 1 Room to Room Portable Hepa (3 speeds with BOOST mode) |

# SANUVOX

## UV AIR PURIFIERS

These high efficiency air purifiers use a proprietary split UVC/UVV (Germicidal 254nm / Oxidizing 187nm) lamp to destroy biological and chemical contaminants including odours. Sanuvox air purifiers are available for both in-duct and portable models. The Saber APR UV Object Purifier is a patent pending "Object" purifier, designed to bask stationary objects (i.e. A/C coil, duct walls) with UVC germicidal energy, preventing and destroying mold and other microbial contaminants. The UV Bio-Wall is a self-contained fully mobile decontamination unit. Equipped with a pre-timer and operational timer, and will bask surfaces and air in unoccupied areas delivering incredible concentrations of UVC Germicidal energy destroying microbial contaminants such as mold, bacteria and viruses. The combo HEPA/UV is designed for applications that require filtration and purification. The HEPA filter is 99.97% effective trapping particles down to 0.03 microns in size.

| Order Number | Description |
|---|---|
| R1700X | In-Duct UV purifier up to 1700 square feet 120/230V |
| R1700-GX | In-Duct UV purifier up to 1700 square feet 120/230V |
| R4000-GX | In-Duct UV purifier up to 4000 square feet 120/230V |
| P900-GX | Portable UV air purifier table/wall mount up to 900 square feet 150 CFM |
| STANDP800 | Black tubular stand for P1250X and P900GX |
| SABER SMART | 16" UV-C object purifier |
| SABER 12 | Saber APR probe UV air purifier 12" 120/230V |
| SABER 18 | Saber APR probe UV air purifier 18" 120/230V |
| QUATTRO-G | UV Array Biowall |
| QUATTRO-GX | UV Array Biowall - In-Duct |
| S1000FX | Combo Filter/UV air purifier commercial application 20" x 20" x 40" |
| S300FX-GX | Combo HEPA/UV air purifier 200/300 CFM |
| C2000X | In-Duct UV air purifierup to 2000 CFM commercial application |
| HRV6-GX | Air purifier for HRV system 6" diameter 120/230V residential application |
| HRV8-GX | Air purifier for HRV system 8" diameter 120/230V residential application |
| MB500-GX | Ceiling mounted, self contained UV air purifier up to 500 square feet 120V |

**SABER SMART**

SANUVOX TECHNOLOGIES

***Purifying AIR at the speed of LIGHT***

## ELECTRONIC AIR CLEANERS

The Respicaire EM Electronic Air Cleaner helps remove up to 95% of unwanted airborne particles. It is the fastest install in the industry for an electronic air cleaner, highly effective, non Ozonating and easy for consumers to maintain. It is available in over 20 standard sizes including any custom size. A great way to economically satisfy indoor air quality needs.

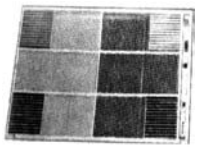
| Order Number | Description |
|---|---|
| 124-EMC-1620 | Respicare 16" x 20" x 1" Electronic Air Cleaner |
| 124-EMC-1624 | Respicare 16" x 24" x 1" Electronic Air Cleaner |
| 124-EMC-1625 | Respicare 16" x 25" x 1" Electronic Air Cleaner |
| 124-EMC-2020 | Respicare 20" x 20" x 1" Electronic Air Cleaner |
| 124-EMC-2024 | Respicare 20" x 24" x 1" Electronic Air Cleaner |
| 124-EMC-2025 | Respicare 20" x 25" x 1" Electronic Air Cleaner |

### REPLACEMENT MEDIA

| Order Number | Description |
|---|---|
| PAD-EMC-1425 | Respicare 14" x 25" Media 3 pack |
| PAD-EMC-1620 | Respicare 16" x 20" Media 3 pack |
| PAD-EMC-1624 | Respicare 16" x 24" Media 3 pack |
| PAD-EMC-1625 | Respicare 16" x 25" Media 3 pack |
| PAD-EMC-2020 | Respicare 20" x 20" Media 3 pack |
| PAD-EMC-2024 | Respicare 20" x 24" Media 3 pack |
| PAD-EMC-2025 | Respicare 20" x 25" Media 3 pack |

# HONEYWELL ELECTRONIC AIR CLEANERS

## F57A SERIES FLUSH-MOUNT COMMERCIAL ELECTRONIC AIR CLEANERS



Ceiling-mounted electronic air cleaner for offices, conference rooms, restaurants, lounges and other commercial applications. Removes tobacco smoke, cooking smoke, dust, dirt and pollen. Dilutes gaseous contaminants by venting exhaust. Controls odours with optional charcoal filter. Includes push button HI-MED-LOW-OFF switch and system monitor light. Contains two FC37B heavy duty commercial cells. Safety interlock switch prevents operation when access door is removed. Test button proves high voltage at collector of electronic cells. Includes ON light, CHECK light to indicate need for service and optional WASH light to indicate cell washing is overdue. Mounts flush with ceiling surface in place of standard 2' x 4' suspended ceiling panel.

| | | Fan Capacity | | |
|---|---|---|---|---|
| Order Number | Description | Low | Medium | High |
| F57B1026 | Self-contained, commercial electronic air cleaner; includes cabinet, 3-speed fan, air exhaust vent, heavy duty commercial cell, solid state power supply and solid state performance indication; off-white finish | 175 cfm | 280 cfm | 485 cfm |

### PARTS AND ACCESSORIES

| Order Number | Description |
|---|---|
| 136434AA | Ionizer wires (multiples of 5) |

## F90 SERIES SELF-CONTAINED COMMERCIAL ELECTRONIC AIR CLEANERS

Removes up to 93% of the staining dirt from the air, based on the National Bureau of Standards Dust Spot Method using atmospheric dust and the ASHRAE Standard 52, 1-1992. Draws in dirty air from below, cleans it electronically and distributes the clean air throughout the space using Coanda Effect. Includes system monitor light. Heavy duty commercial cells, prefilter and grille are removable for cleaning. Optional remote switch for fan speed control and activated carbon filter for odour control. Safety interlock switch prevents operation when cover is open or the grille is not in place. Mounts on the ceiling.

**Dimensions:** 29 1/4" L x 29 1/4" W x 12 3/4" H **Power supply:** 120 Vac, 60 Hz; 220/240 Vac, 50 Hz

| Order Number | Finish | Low | Medium | High |
|---|---|---|---|---|
| F90A1001 | Beige | 1.8A; 185 W; 800 CFM | 2.0A; 215 W; 1,020 CFM | 2.6A; 270 W; 1,250 CFM |
| F90A1050 | Woodgrain | 1.8A; 185 W; 800 CFM | 2.0A; 215 W; 1,020 CFM | 2.6A; 270 W; 1,250 CFM |

# HONEYWELL ELECTRONIC AIR CLEANERS

## F300 ELECTRONIC AIR CLEANERS

Features: widely compatible unit that works with all gas, oil and electric forced warm air furnaces and air-conditioning systems; easy installation in tight spaces due to space-saving design and new low-profile door; new, easy-to-use test button; easy diagnostics with consumer friendly test button; available in four sizes to fit most ducts. An optional AirWatch™ system reminds customers of routine maintenance.

| Order Number | Description |
|---|---|
| F300E1019 | Electronic air cleaner 16” x 25” |
| F300E1027 | Electronic air cleaner 20” x 20” |
| F300E1035 | Electronic air cleaner 20” x 25” |

## MEDIA AIR CLEANER

The F100F Media Air Cleaner captures a significant amount of the airborne particles from the air circulated through the unit. Recommended as the basic minimum air quality product. The F100F Media Air Cleaner includes cabinet, access door and FC100A pleated media filter, and W8600A Airwatch indicator (optional on some models). High efficiency media filter captures particles as small as 0.3 microns. Applicable to all gas, oil and electric forced air furnaces and to compressor cooling up to 5 tons. Mounts in the return air duct. Rugged zinc-coated, roll-formed cabinet resists corrosions and can support weight of furnace and evaporator coil. Requires no maintenance except periodic media filter replacement.

| Order Number | Description |
|---|---|
| F100F1012 | 16” x 25” media air filter c/w W8600A Air Watch Indicator |
| F100F1038 | 20” x 25” media air filter c/w W8600A Air Watch Indicator |
| FC100A1029 | Replacement filter for 16” x 25” |
| FC100A1011 | Replacement filter for 20” x 20” |
| FC100A1037 | Replacement filter for 20” x 25” |

## POPUP MEDIA AIR FILTER

| Order Number | Description |
|---|---|
| POPUP1625 | Replacement filter for 16” x 25” |
| POPUP2020 | Replacement filter for 20” x 20” |
| POPUP2025 | Replacement filter for 20” x 25” |

Honeywell

# HUMIDIFIERS

## HONEYWELL WHOLE HOUSE BYPASS HUMIDIFIER

Maintain your home’s most comfortable humidity level automatically with a Honeywell Whole-house humidifier. Proper humidity provides a more comfortable living environment at a lower temperature, so you can turn down your thermostat for energy savings. Humidicalc Control self-regulates to provide optimum humidity. Exclusive AgION Humidifier Pads feature an anti-microbial coating which helps inhibit the growth of molds, bacteria, fungus and algae on the pads.

| Order Number | Humidicalc Control Included | Application | GPD |
|---|---|---|---|
| HE225A1014 | Standard Control | Bypass | 12 |
| HE225B1234 | Yes | Bypass | 12 |
| HE265A1234 | Standard Control | Bypass | 17 |
| HE265B1234 | Yes | Bypass | 17 |
| C7089H1007 | Outdoor Sensor | | |

## HONEYWELL TrueSTEAM HUMIDIFICATION SYSTEM

- Mounts in Minutes: Half the time of a conventional humidifier
- Application Flexibility
- Easy Maintenance
- Ecofriendly
- Incoloy 600 Heating element

| Order Number | GPD | Control |
|---|---|---|
| HM506DG115 | 6 | True IAQ Digital Control |
| HM506H8908 | 6 | Manual Humidistat |
| HM506PIAQ | 6 | Vision PRO YTH Thermostat |

## WHITE-RODGERS STEAM POWER HUMIDIFIERS

Features: includes flushing timer and chlorine removal filter; thermal fan interlock control allows unit to humidify air without furnace heat; uses minimal water; corrosion-resistant, low water, safety cutoff switch and built-in overflow protection provide peace of mind; compact size make unit ideal where space is at a premium.

| | Rated Output | Evaporation Rate | Typical Application (sq ft) | | |
|---|---|---|---|---|---|
| Order Number | GPD | GPH | Average House | Tight House | Loose House |
| HSP2000 | 13 | 0.54 | 1970 | 3095 | 1415 |
| HSP2600 | 17 | 0.71 | 2575 | 4045 | 1845 |

## DESERT SPRING HUMIDIFIER

Features: no drum pads to become fouled or replaced; no constantly running water running up your water bills; save energy-lower thermostat up to 5°F with proper humidification; clean operation; constant long term performance, ten year drive train tests; 15 sq. ft. of evaporative surface – patented interface disk technology; quick and easy annual clean up.

***Finally, a Humidifier so Efficient, it saves up to 1000 Glasses of Water a Day***

| Order Number | Description |
|---|---|
| DS-RD | Rotary disc humidifier unit for retrofit application , no installation kit |
| DS-CL | Rotary disc humidifier unit for new installation with installation kit |
| DS-PP | Rotary disc humidifier unit for new installation with installation kit, auto-flush 4 kit and overflow kit |
| DS-HG | Desert Spring hygrometer / thermometer |
| DS-900EC | Desert Spring Enviroclear descaler solution |
| DS-RDAF | Rotary disc humidifier unit for retrofit includes Auto-Flush 4 and overflow kit without installation kit |
| DS-UKIT | Humidifier installation kit. Includes Electronic (auto) humidistat, wire, transformer, flex, ties, damper, saddle valve and water line |
| DS-AF4C | AutoFlush 4 Kit 0 purge/rinse system eliminates standing water and cleans basin. Includes overflow kit |
| DS-WF | Desert Spring disposable polyphosphate inline water filter for hard water applications |
| DS-EH | Electronic Humidistat with outdoor temperature sensor - automatically adjusts RH set-point |
| DS-OF | Overflow kit, including hose barb connection, hardware and 8 feet 3/8" hose |
| DS-CS | Current Sensor Relay - cycles unit with furnace fan for applications without humidifier auxiliary contact |

Desert Spring Products

## HUMIDIFIER MOTORS

| Order Number | Replacement For Make: Model |
|---|---|
| 71-2800 | Airking; Autoflo: 33; Brock: Gurney-Aire; Essomatic: 105; General: 67, 76; General: 240; Metro-Vision: 447, 465; Sovereign: Exacta 801; Wait-Skuttle: 45S, 90S; Westinghouse: MD035, MD060 |
| 71-2897 | Autoflo: 97; Lennox: WD2-20 |

## HUMIDIFIER PADS

Keeps environment fresh and clean. Increases efficiency and life of humidifier.

| Order Number | Replacement For Make: Model |
|---|---|
| 70-3802-1 | Carrier; Lau: LB18; Texaco: VA2 |
| 70-3845-ISN | Montgomery-Ward: 12; Wait-Skuttle: 45, 45S |
| 70-3867-ISN | General: 67 |
| 70-3890-ISN | Brook-(Gibarco): Gurney-Aire; Lobb: WA-1; Montgomery-Ward: 24; Terry: Exacta 801; Wait-Skuttle: 90, 90S |
| 70-3897-ISN | Autoflo: 97; Lennox: WD2-20 |

# ZONING SYSTEMS

## ARZEL ZONE CONTROL PANELS

### 200 SERIES

Completely pneumatic system, applicable with any standard thermostat. Designed for retrofit applications. Works with two-stage equipment with second stage timers; three way priority setting: heating, cooling or automatic. Transformer furnished with each unit.

| Order Number | Zones | Leaving Air Sensor | Compressor Time Delay Relay |
|---|---|---|---|
| 918443 | 2 | No | Yes |
| 918444 | 3 | No | Yes |

### AB SERIES

1 year parts only standard warranty. Completely pneumatic system. Applicable with any standard thermostat. Designed for retrofit applications. Built in fossil fuel kit. Complete system diagnostics. Applicable on single-stage heating and cooling and heat pump systems. Applicable on two-stage equipment with second stage timers or two-stage thermostat. Three-way priority setting; heating, cooling or automatic. Transformer furnished with each unit.

| Order Number | Zones | Leaving Air Sensor | Compressor Time Delay Relay |
|---|---|---|---|
| 918447 | 2 | Yes | Yes |
| 918448 | 3 | Yes | Yes |
| 918449 | 4 | Yes | Yes |
| 918450 | 6 | Yes | Yes |
| 918451 | 8 | Yes | Yes |

### BYPASS KIT

| Order Number | Description |
|---|---|
| 918658 | Bypass kit includes solenoid, tubing harness and pressure switch. |

### SLAVE ZONE KIT

| Order Number | Description |
|---|---|
| 918663 | Slave Zone Kit includes smart slave board, wiring harness and solenoid. |

### MODUPASS KITS

True damper modulation. Provides the most stable static pressure environment. Eliminates hunting effect associated with variable speed ECM blowers. Enhances bypass control on non-ECM systems. Plenum mounted static pressure transmitter provides infinite adjustment.

| Order Number | Description |
|---|---|
| 918752 | 8” Modupass kit |
| 918753 | 10” Modupass kit |
| 918754 | 12” Modupass kit |

### ROUND EZYSLIDE LOW PRESSURE DAMPERS

| Order Number | Description |
|---|---|
| 918609 | 4” Round Ezyslide low pressure damper |
| 918457 | 5” Round Ezyslide low pressure damper |
| 918458 | 6” Round Ezyslide low pressure damper |
| 918459 | 7” Round Ezyslide low pressure damper |
| 918460 | 8” Round Ezyslide low pressure damper |
| 918461 | 10” Round Ezyslide low pressure damper |
| 918462 | 12” Round Ezyslide low pressure damper |
| 918567 | 14” Round Ezyslide low pressure damper |
| 918611 | 16” Round Ezyslide low pressure damper |
| 918612 | 18” Round Ezyslide low pressure damper |

### DAMPER REGISTER EZYSLIDE ZONE DAMPER

| Order Number | Description |
|---|---|
| 918583 | 2” x 10” Register |
| 918584 | 2” x 12” Register |
| 918565 | 3” x 10” Register |
| 918566 | 3” x 12” Register |
| 918585 | 4” x 10” Register |
| 918586 | 4” x 12” Register |
| 918587 | 6” x 10” Register |
| 918588 | 6” x 12” Register |

### RECTANGULAR

| Order Number | Description |
|---|---|
| 918652 | 8” x 12” Barometric |
| 918653 | 8” x 20” Barometric |
| 918654 | 12” x 10” Barometric |
| 918655 | 12” x 12” Barometric |
| 918656 | 20” x 10” Barometric |
| 918657 | 20” x 12” Barometric |

# ARZEL ZONING SYSTEMS

## RECTANGULAR EZYSLIDE LOW PRESSURE DAMPER

**BOTTOM MOUNT**

| Order Number | Description |
|---|---|
| 918568 | 8” x 10” Rectangular |
| 918569 | 8” x 12” Rectangular |
| 918570 | 8” x 14” Rectangular |
| 918571 | 8” x 16” Rectangular |
| 918572 | 8” x 18” Rectangular |
| 918573 | 8” x 20” Rectangular |
| 918613 | 8” x 22” Rectangular |
| 918614 | 8” x 24” Rectangular |
| 918615 | 8” x 26” Rectangular |
| 918616 | 8” x 28” Rectangular |
| 918617 | 8” x 30” Rectangular |
| 918618 | 8” x 32” Rectangular |
| 918619 | 10” x 12” Rectangular |
| 918620 | 10” x 14” Rectangular |
| 918621 | 10” x 16” Rectangular |
| 918622 | 10” x 18” Rectangular |
| 918623 | 10” x 20” Rectangular |
| 918624 | 12” x 14” Rectangular |
| 918625 | 12” x 16” Rectangular |
| 918626 | 12” x 18” Rectangular |
| 918627 | 12” x 20” Rectangular |
| 918628 | 10” x 22” Rectangular |
| 918629 | 10” x 24” Rectangular |
| 918630 | 10” x 26” Rectangular |
| 918631 | 10” x 28” Rectangular |
| 918632 | 10” x 30” Rectangular |
| 918633 | 12” x 22” Rectangular |
| 918634 | 12” x 24” Rectangular |
| 918635 | 12” x 26” Rectangular |
| 918636 | 12” x 28” Rectangular |
| 918637 | 12” x 30” Rectangular |

**SIDE MOUNT**

| Order Number | Description |
|---|---|
| 918574 | 8” x 8” Rectangular |
| 918575 | 8” x 10” Rectangular |
| 918576 | 8” x 12” Rectangular |
| 918577 | 8” x 14” Rectangular |
| 918578 | 8” x 16” Rectangular |
| 918579 | 8” x 18” Rectangular |
| 918580 | 8” x 20” Rectangular |
| 918638 | 10” x 10” Rectangular |
| 918639 | 10” x 12” Rectangular |
| 918641 | 10” x 16” Rectangular |
| 918642 | 10” x 18” Rectangular |
| 918643 | 10” x 20” Rectangular |
| 918644 | 12” x 12” Rectangular |
| 918645 | 12” x 14” Rectangular |
| 918646 | 12” x 16” Rectangular |
| 918647 | 12” x 18” Rectangular |
| 918640 | 10” x 14” Rectangular |
| 918648 | 12” x 20” Rectangular |

## BAROMETRIC EZYSLIDE ROUND ZONE

**ROUND**

| Order Number | Description |
|---|---|
| 918581 | 8” Barometric |
| 918582 | 10” Barometric |
| 918649 | 12” Barometric |
| 918650 | 14” Barometric |
| 918651 | 16” Barometric |

## PLENUM TUBING 200’ ROLL

| Order Number | Description |
|---|---|
| 918601 | Blue |
| 918602 | Green |
| 918603 | Orange |
| 918604 | Black |
| 918605 | Purple |
| 918606 | Red |
| 918607 | White |
| 918608 | Yellow |

## PVC TUBING 200’ ROLL

| Order Number | Description |
|---|---|
| 918593 | Blue |
| 918594 | Green |
| 918595 | Orange |
| 918596 | Pink |
| 918597 | Purple |
| 918598 | Red |
| 918599 | White |
| 918600 | Yellow |

## FITTINGS

| Order Number | Description |
|---|---|
| 918589 | Coupling sold per each |
| 918590 | Elbow sold per each |
| 918591 | Plug sold per each |
| 918592 | Tee sold per each |

## TOOLS AND ACCESSORIES

| Order Number | Description |
|---|---|
| 919061 | Arzel Tool Kit |
| 918749 | Arzel Ezyhub |
| 918750 | Arzel Ductfinder |
| 918751 | Arzel Air Flow Indicator |
| 918747 | Arzel Staples |
| 918748 | Arzel Stapler |

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