

## HIGH EFFICIENCY PACKAGE GAS HEATING/ELECTRIC COOLING R-410A SINGLE PACKAGE ROOFTOP 3 - 12.5 TONS (1 & 3-Phase)

### BUILT TO LAST, EASY TO INSTALL AND SERVICE

- One-piece, high efficiency gas heating and electric cooling with a low profile, prewired, tested and charged at the factory
- All units are convertible from downflow to horizontal air flow; no special adapter curbs are necessary
- Full perimeter base rail with built-in rigging adapters and fork truck slots
- Pre-painted exterior panels and primer-coated interior panels tested to 500 hours salt spray protection
- Fully insulated cabinet
- Tubular-section type aluminized heat exchanger standard with optional stainless steel heat exchanger available
- Single-stage cooling capacity control on 036-072 models, two-stage on 090-150 models
- Redundant gas valve, up to two stages of heating
- Exclusive IGC solid-state control for on-board diagnostics with LED error code designation, burner control logic and energy saving indoor fan motor delay
- High efficiency, gas heat with induced draft flue exhaust design
- Single scroll compressor on 036-072 models, dual scroll compressors on 090 -150 models with internal line-break overload protection
- All units have high and low pressure switches
- Two inch disposable fiberglass type return air filters in dedicated rack with tool-less filter access door
- Refrigerant circuits contain a liquid line filter drier to trap dirt and moisture
- Indoor and outdoor coils constructed of aluminum fins mechanically bonded to seamless copper tubes
- Newly-designed indoor refrigerant header for easier maintenance and replacement
- Exclusive non-corrosive composite condensate pan in accordance with ASHRAE 62 Standard, sloping design; side or center drain
- Direct drive high efficiency ECM blower motors on 036-060 single phase models
- Belt drive evaporator-fan motor and pulley combinations available on all 3 phase models
- Access panels with easy grip handles provide quick and easy access to the blower and blower motor, control box, and compressor
- Field convertible airflow (3-12.5 ton). 12.5 ton models require a simple supply air duct cover to field convert from factory vertical to horizontal.
- No-strip screw system has superior holding power and guides screws into position while preventing the screw from stripping the unit's metal
- Newly designed terminal board facilitates simple safety circuit troubleshooting and simplified control box arrangement
- Outdoor temperature cooling operation range up to 125°F (46°C) and down to 25°F (-4°C) using winter start kit
- TXV refrigerant metering device on each circuit to precisely control refrigerant flow
- Large, laminated control wiring and power wiring drawings are affixed to unit to make troubleshooting easy
- Standard, medium and high static fan motor options available
- Exclusive IGC anti-cycle protection for gas heat operation
- Provisions for thru-the-bottom power entry capability
- Single point gas and electrical connections
- Optional 2 speed drive motor system utilizes a Variable Frequency Drive (VFD) to automatically adjust the indoor fan motor speed between cooling stages.
- Factory installed Hot Gas Reheat Adaptive Dehumidification System on all sizes, includes MotorMaster I controller.
- Low NOx models available that meet California Air Quality Management NOx requirements and include stainless steel heat exchangers



RGH036-060



RGH072-120



As an Energy Star® Partner, International Comfort Products, has determined that this product meets the ENERGY STAR® guidelines for energy efficiency.



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to [www.ahridirectory.org](http://www.ahridirectory.org).



### WARRANTY

- 15 Year limited warranty on optional stainless steel heat exchanger
- 10 year limited warranty on aluminized heat exchanger
- 5 year compressor limited warranty
- 1 year parts limited warranty

\* For owner occupied, residential applications only. See warranty certificate for complete details and restrictions, including warranty coverage for other applications

UNIT PERFORMANCE DATA - SINGLE STAGE COOLING								Operating Weight lbs (kg)	Notes
Model Number	Nominal Tons	Cooling			Heating		Height x Width x Depth in (mm)		
		Capacity BTU/h	SEER	EER	Input BTU/h	AFUE%			
RGH036KDXA0AAA	3	36,000	15.00	12.50	72,000	82.0	33-3/8 x 46-3/4 x 74-3/8 (847 x 1187 x 1888)		
RGH036HDXA0AAA									
RGH036LDXA0AAA									
RGH036SDXA0AAA									

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# RGH (continued)

UNIT PERFORMANCE DATA - SINGLE STAGE COOLING (Continued)									
Model Number	Nominal Tons	Cooling			Heating		Height x Width x Depth in (mm)	Operating Weight lbs (kg)	Notes
		Capacity BTU/h	SEER	EER	Input BTU/h	AFUE%			
RGH036KEXA0AAA	3	36,000	15.00	12.50	115,000	80.0	33-3/8 x 46-3/4 x 74-3/8 (847 x 1187 x 1888)	505 (229)	
RGH036HEXA0AAA									
RGH036LEXA0AAA									
RGH036SEXA0AAA									
RGH048KDXA0AAA	4	48,500	15.60	13.00	72,000	82.0	41-3/8 x 46-3/4 x 74-3/8 (1051 x 1187 x 1888)	590 (268)	
RGH048HDXA0AAA									
RGH048LDXA0AAA									
RGH048SDXA0AAA									
RGH048KEXA0AAA	4	48,500	15.60	13.00	115,000	81.0	41-3/8 x 46-3/4 x 74-3/8 (1051 x 1187 x 1888)	590 (268)	
RGH048HEXA0AAA									
RGH048LEXA0AAA									
RGH048SEXA0AAA									
RGH048KFXA0AAA	4	48,500	15.60	13.00	150,000	80.0	41-3/8 x 46-3/4 x 74-3/8 (1051 x 1187 x 1888)	590 (268)	
RGH048HFXA0AAA									
RGH048LFXA0AAA									
RGH048SFXA0AAA									
RGH060KDXA0AAA	5	57,500	15.20	12.45	72,000	82.0	41-3/8 x 46-3/4 x 74-3/8 (1051 x 1187 x 1888)	600 (271)	
RGH060HDXA0AAA									
RGH060LDXA0AAA									
RGH060SDXA0AAA									
RGH060KEXA0AAA	5	57,500	15.20	12.45	115,000	81.0	41-3/8 x 46-3/4 x 74-3/8 (1051 x 1187 x 1888)	600 (271)	
RGH060HEXA0AAA									
RGH060LEXA0AAA									
RGH060SEXA0AAA									
RGH060KFXA0AAA	5	57,500	15.20	12.45	150,000	80.0	41-3/8 x 46-3/4 x 74-3/8 (1051 x 1187 x 1888)	600 (271)	
RGH060HFXA0AAA									
RGH060LFXA0AAA									
RGH060SFXA0AAA									
RGH072HDAA0AAA	6	73,000	N/A	12.00	72,000	82.0	41-1/4 x 59-1/2 x 88-1/8 (1048 x 1510 x 2238)	765 (347)	
RGH072LDAA0AAA									
RGH072SDAA0AAA									
RGH072HEAA0AAA	6	73,000	N/A	12.00	125,000	81.0	41-1/4 x 59-1/2 x 88-1/8 (1048 x 1510 x 2238)	765 (347)	
RGH072LEAA0AAA									
RGH072SEAA0AAA									
RGH072HFAA0AAA	6	73,000	N/A	12.00	150,000	80.0	41-1/4 x 59-1/2 x 88-1/8 (1048 x 1510 x 2238)	765 (347)	
RGH072LFAA0AAA									
RGH072SFAA0AAA									
UNIT PERFORMANCE DATA - TWO STAGE COOLING									
RGH090HDAA0AAA	7.5	89,000	N/A	12.00	125,000	82.0	49-3/8 x 59-1/2 x 88-1/8 (1253 x 1510 x 2238)	920 (420)	
RGH090LDAA0AAA									
RGH090SDAA0AAA									
RGH090HEAA0AAA	7.5	89,000	N/A	12.00	180,000	82.0	49-3/8 x 59-1/2 x 88-1/8 (1253 x 1510 x 2238)	920 (420)	
RGH090LEAA0AAA									
RGH090SEAA0AAA									
RGH090HFAA0AAA	7.5	89,000	N/A	12.00	224,000	82.0	49-3/8 x 59-1/2 x 88-1/8 (1253 x 1510 x 2238)	920 (420)	
RGH090LFAA0AAA									
RGH090SFAA0AAA									
RGH102HDAA0AAA	8.5	97,000	N/A	12.00	125,000	82.0	49-3/8 x 59-1/2 x 88-1/8 (1253 x 1510 x 2238)	925 (420)	
RGH102LDAA0AAA									
RGH102SDAA0AAA									
RGH102HEAA0AAA	8.5	97,000	N/A	12.00	180,000	82.0	49-3/8 x 59-1/2 x 88-1/8 (1253 x 1510 x 2238)	925 (420)	
RGH102LEAA0AAA									
RGH102SEAA0AAA									
RGH102HFAA0AAA	8.5	97,000	N/A	12.00	224,000	82.0	49-3/8 x 59-1/2 x 88-1/8 (1253 x 1510 x 2238)	925 (420)	
RGH102LFAA0AAA									
RGH102SFAA0AAA									

Specifications subject to change without notice.

# RGH (continued)

UNIT PERFORMANCE DATA - TWO STAGE COOLING (Continued)									
Model Number	Nominal Tons	Cooling			Heating		Height x Width x Depth in (mm)	Operating Weight lbs (kg)	Notes
		Capacity BTU/h	SEER	EER	Input BTU/h	AFUE%			
RGH110HDAA0AAA	10	111,000	N/A	12	180,000	82.0	49-3/8 x 59-1/2 x 88-1/8 (1253 x 1510 x 2238)	1099 (498)	
RGH110LDAA0AAA									
RGH110SDAA0AAA									
RGH110HEAA0AAA	10	111,000	N/A	12	224,000	82.0	49-3/8 x 59-1/2 x 88-1/8 (1253 x 1510 x 2238)	1099 (498)	
RGH110LEAA0AAA									
RGH110SEAA0AAA									
RGH110HFAA0AAA	10	111,000	N/A	12	250,000	82.0	49-3/8 x 59-1/2 x 88-1/8 (1253 x 1510 x 2238)	1099 (498)	
RGH110LFAA0AAA									
RGH110SFAA0AAA									
RGH120HDAA0AAA	10	115,000	N/A	11.50	180,000	82.0	49-3/8 x 59-1/2 x 88-1/8 (1253 x 1510 x 2238)	1099 (498)	
RGH120LDAA0AAA									
RGH120SDAA0AAA									
RGH120HEAA0AAA	10	115,000	N/A	11.50	224,000	82.0	49-3/8 x 59-1/2 x 88-1/8 (1253 x 1510 x 2238)	1099 (498)	
RGH120LEAA0AAA									
RGH120SEAA0AAA									
RGH120HFAA0AAA	10	115,000	N/A	11.50	250,000	80.0	49-3/8 x 59-1/2 x 88-1/8 (1253 x 1510 x 2238)	1099 (498)	
RGH120LFAA0AAA									
RGH120SFAA0AAA									
RGH150HDAA0AAA	12.5	146,000	N/A	12.20	150,000	80.0	49-3/8 x 59-1/2 x 88-1/8 (1253 x 1510 x 2238)	1430 (649)	
RGH150LDAA0AAA									
RGH150HEAA0AAA									
RGH150LEAA0AAA	12.5	146,000	N/A	12.20	180,000	81.0	49-3/8 x 59-1/2 x 88-1/8 (1253 x 1510 x 2238)	1430 (649)	
RGH150SEAA0AAA									
RGH150HFAA0AAA									
RGH150LFAA0AAA	12.5	146,000	N/A	12.20	240,000	81.0	57-3/8 x 63-3/8 x 115-7/8 (1456 x 1609 x 2942)	1430 (649)	
RGH150SFAA0AAA									

UNIT PERFORMANCE DATA FOR LOW NO <sub>x</sub> MODELS									
Model Number	Nominal Tons	Cooling			Heating		Height x Width x Depth in (mm)	Operating Weight lbs (kg)	Notes
		Capacity BTU/h	SEER	EER	Input BTU/h	AFUE%			
RGH036KLXA0AAA	3	36,000	15.00	12.50	60,000	80.0	33-3/8 x 46-3/4 x 74-3/8 (847 x 1187 x 1888)	505 (229)	
RGH036HLXA0AAA									
RGH036LLXA0AAA									
RGH036KMXA0AAA	3	36,000	15.00	12.50	90,000	81.0	33-3/8 x 46-3/4 x 74-3/8 (847 x 1187 x 1888)	505 (229)	
RGH036HMXA0AAA									
RGH036LMXA0AAA									
RGH048KLXA0AAA	4	48,500	15.60	13.00	60,000	80.0	41-3/8 x 46-3/4 x 74-3/8 (1051 x 1187 x 1888)	590 (268)	
RGH048HLXA0AAA									
RGH048LLXA0AAA									
RGH048KMXA0AAA	4	48,500	15.60	13.00	90,000	81.0	41-3/8 x 46-3/4 x 74-3/8 (1051 x 1187 x 1888)	590 (268)	
RGH048HMXA0AAA									
RGH048LMXA0AAA									
RGH048KNXA0AAA	4	48,500	15.60	13.00	120,000	80.0	41-3/8 x 46-3/4 x 74-3/8 (1051 x 1187 x 1888)	590 (268)	
RGH048HNXA0AAA									
RGH048LNXA0AAA									
RGH060KLXA0AAA	5	57,500	15.20	12.45	60,000	80.0	41-3/8 x 46-3/4 x 74-3/8 (1051 x 1187 x 1888)	600 (271)	
RGH060HLXA0AAA									
RGH060LLXA0AAA									
RGH060KMXA0AAA	5	57,500	15.20	12.45	90,000	81.0	41-3/8 x 46-3/4 x 74-3/8 (1051 x 1187 x 1888)	600 (271)	
RGH060HMXA0AAA									
RGH060LMXA0AAA									
RGH060KNXA0AAA	5	57,500	15.20	12.45	120,000	81.0	41-3/8 x 46-3/4 x 74-3/8 (1051 x 1187 x 1888)	600 (271)	
RGH060HNXA0AAA									
RGH060LNXA0AAA									