



# Commercial Products Matrix

**RGS**

**15 TO 25 TONS**

Carrier Corporation • Syracuse, N.Y. 13221  
SUBJECT TO CHANGE WITHOUT NOTICE  
SHIPPING POINT: Lewisburg, TN  
MFG. POINT: Monterrey, Mexico

TYPE OF SALE: 6LSB

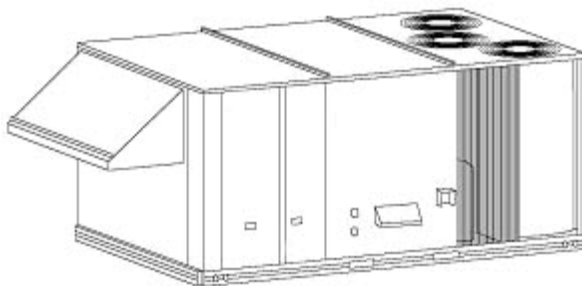
F.O.B. SHIPPING POINT  
FREIGHT AS PER D.O.M.



## PACKAGED ROOFTOP GAS HEATING/ELECTRIC COOLING UNITS 15, 17.5, 20, 25 TONS



RGS units are high-efficiency, single-packaged electric cooling, gas heating units that are prewired and pre-charged with environmentally sound R-410A HFC refrigerant. The units are factory tested in both heating and cooling modes.



**Certified to ISO 9001:2000**



Sizes 181-303

For a complete list of options and accessories, refer to the Product Specifications literature for these models.

PC 111 SUPERSEDES PRICE SECTION	RGS-2PPg FORM NO. New RGS (15 to 25 Tons)
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### PERFORMANCE FEATURES

- R-410A HFC refrigerant
- Two-stage cooling capacity control on all models
- Micro-channel (MCHX) Heat Exchanger Technology All Aluminum Condenser Coils
- EER up to 10.8, IPLV up to 11.8
- ASHRAE compliant and Energy Star qualified
- Exclusive non-corrosive composite condensate pan in accordance with ASHRAE 62 Standard, sloping design
- Induced draft combustion design
- Redundant gas valve, with up to 2 stages of heating
- Pre-painted exterior panels and primer-coated interior panels tested to 500 hours salt spray protection
- Acutrol™ refrigerant metering system
- Fully insulated cabinet
- Exclusive IGC solid-state control for on-board diagnostics with LED error code designation, burner control logic and energy saving indoor fan motor delay
- Standard cooling operating range up to 115°F (46°C), and down to 30°F (-1°C)
- Rated in accordance with ARI Standard 340/360
- Designed in accordance with Underwriters' Laboratories Standard 1995
- Listed by UL and CUL-Canada

### MAINTENANCE FEATURES

- Access panels with easy grip handles
- Innovative, easy starting, no-strip screw feature on unit access panels
- Two-inch disposable return air filters on slide out track. Four inch track available as field installed accessory.
- Belt drive evaporator-fan motor and pulley combinations available to meet any application and belt break protection system.
- New terminal board facilitating simple safety circuit troubleshooting and simplified control box arrangement

### INSTALLATION FEATURES

- Dedicated vertical and horizontal airflow models available ordered as factory option. No special kits required
- Provisions for thru-the-bottom power entry capability as standard
- Single point gas and electric connections
- Full perimeter base rail with built-in rigging adapters and fork truck slots

### RELIABILITY FEATURES

- Scroll compressors with internal line-break overload protection
- 24-volt control circuit protected with resettable circuit breaker
- Permanently lubricated evaporator-fan motor
- Totally enclosed condenser motors with permanently lubricated bearings
- Low Pressure switch and high-pressure switch protection
- Exclusive IGC anti-cycle protection for gas heat operation
- Solid-state electronic direct spark ignition system
- Flame roll-out safety protector
- Liquid line filter drier on each circuit

### STANDARD WARRANTY

- 10-year heat exchanger parts - Aluminized
- 15-year heat exchanger parts - Stainless Steel
- 5-year compressor parts
- 1-year parts

### AVAILABLE FACTORY INSTALLED OPTIONS:

- Stainless steel gas heat exchanger includes tubes, vestibule plate and collector box.
- Economizer
- Non-fused disconnect / 115v Non-powered convenience outlet
- High static motor options
- Smoke detector, supply air
- Corrosion resistant options for condenser coils
- CO2 Sensor
- 2-position motorized damper



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## MODEL NOMENCLATURE

### 3-PHASE R^S R-410A ROOFTOP PRODUCT MODEL NUMBER IDENTIFICATION GUIDE

Position No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14
<b>Example:</b>	<b>R</b>	<b>G</b>	<b>S</b>	<b>1</b>	<b>8</b>	<b>1</b>	<b>L</b>	<b>D</b>	<b>A</b>	<b>B</b>	<b>0</b>	<b>A</b>	<b>G</b>	<b>A</b>
<p>R = Package</p> <p>A = Air Conditioner (Cooling Only)</p> <p>G = Gas Electric <b>TYPE</b></p> <p>S = Standard</p> <p>ASHRAE 90.1-2010 Effc'y <b>EFFICIENCY</b></p> <p>181= 180,000 BTUH = 15t Dedicated Vertical SA/RA  183 = 180,000 BTUH = 15t Dedicated Horizt'l SA/RA  210 = 210,000 BTUH = 17.5t Dedicated Vertical SA/RA  213 = 210,000 BTUH = 17.5t Dedicated Horizt'l SA/RA  240 = 240,000 BTUH = 20t Dedicated Vertical SA/RA  243 = 240,000 BTUH = 20t Dedicated Horizt'l SA/RA  300 = 300,000 BTUH = 25t Dedicated Vertical SA/RA  303 = 300,000 BTUH = 25t Dedicated Horizt'l SA/RA</p> <p><b>NOMINAL COOLING CAPACITY</b></p> <p>H = 208/230-3-60  L = 460-3-60  S = 575-3-60</p> <p><b>VOLTAGE</b></p> <p>D = Low Heat  E = Medium Heat  F = High Heat  S = Low Heat, Stainless Steel Heat Xgr  <del>R = Medium Heat, Stainless Steel Heat Xgr</del>  T = High Heat, Stainless Steel Heat Xgr (See Spec Sheet for Actual Capacity)</p> <p><b>HEATING CAPACITY</b></p> <p>A = Standard Motor  B = Higher Static Motor</p> <p><b>MOTOR ( Indoor Fan )</b></p> <p>A = None  B = Economizer w/Bara-relief, OA Temp sensor  E = Economizer w/Bara-relief + CO2 Sensor, OA Temp sensor  H = Economizer w/Bara-relief, enthalpy sensor  L = Economizer w/Bara-relief + CO2 Sensor, enthalpy sensor  P = 2-Position damper w/Baro-relief</p> <p><b>OUTDOOR AIR OPTIONS</b>  (See Spec Sheet for Details)</p> <p>0A = No Options  4B = Non-Fused Disconnect  AT = Non-powered 115v C.O.  BR = Supply Air Smoke Detector  7C = Non-Fused Disconnect + Non-Powered 115v C.O.  7K = Non-Fused Disconnect + Non-Powered 115v C.O.+ SA Smoke detector  8A = Non-Fused Disconnect + SA Smoke detector</p> <p><b>FACTORY INSTALLED OPTIONS</b>  (See Spec Sheet for Details)</p> <p><b>CONDENSER / EVAPORATOR COIL CONFIGURATION</b>  (See Spec Sheet for Details)</p> <p>A = Standard Packaging  B = Less Than a Truckload (LTL) Packaging</p> <p><b>PACKAGING</b></p>														



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## BASE UNIT MASTER PRICES –

### DEDICATED VERTICAL DISCHARGE & RETURN AIR CONFIGURATION MODELS WITH ALUMINUM GAS HEAT EXCHANGER

ORDERING NUMBER	VOLTAGE/ PHASE/HZ	HEAT LEVEL OUTPUT (Btuh)	COOLING CAPACITY (Btuh)	APPROXIMATE SHIPPING WT. (lbs)	
RGS181SDAA0AGA	575-3-60	176,000	192,000	1840	
RGS181HDAA0AGA	208/230-3-60	176,000	192,000	1840	
RGS181LDAA0AGA	460-3-60	176,000	192,000	1840	
RGS181SEAA0AGA	575-3-60	251,000	192,000	1845	
RGS181HEAA0AGA	208/230-3-60	251,000	192,000	1845	
RGS181LEAA0AGA	460-3-60	251,000	192,000	1845	
RGS181SFAA0AGA	575-3-60	324,000	192,000	1850	
RGS181HFAA0AGA	208/230-3-60	324,000	192,000	1850	
RGS181LFAA0AGA	460-3-60	324,000	192,000	1850	
RGS210SDAA0AGA	575-3-60	176,000	207,000	1855	
RGS210HDAA0AGA	208/230-3-60	176,000	207,000	1855	
RGS210LDAA0AGA	460-3-60	176,000	207,000	1855	
RGS210SEAA0AGA	575-3-60	251,000	207,000	1860	
RGS210HEAA0AGA	208/230-3-60	251,000	207,000	1860	
RGS210LEAA0AGA	460-3-60	251,000	207,000	1860	
RGS210SFAA0AGA	575-3-60	324,000	207,000	1865	
RGS210HFAA0AGA	208/230-3-60	324,000	207,000	1865	
RGS210LFAA0AGA	460-3-60	324,000	207,000	1865	
RGS240SDAA0AGA	575-3-60	176,000	242,000	2005	
RGS240HDAA0AGA	208/230-3-60	176,000	242,000	2005	
RGS240LDAA0AGA	460-3-60	176,000	242,000	2005	
RGS240SEAA0AGA	575-3-60	251,000	242,000	2010	
RGS240HEAA0AGA	208/230-3-60	251,000	242,000	2010	
RGS240LEAA0AGA	460-3-60	251,000	242,000	2010	
RGS240SFAA0AGA	575-3-60	324,000	242,000	2015	
RGS240HFAA0AGA	208/230-3-60	324,000	242,000	2015	
RGS240LFAA0AGA	460-3-60	324,000	242,000	2015	
RGS300SDAA0AGA	575-3-60	176,000	280,000	2145	
RGS300HDAA0AGA	208/230-3-60	176,000	280,000	2145	
RGS300LDAA0AGA	460-3-60	176,000	280,000	2145	
RGS300SEAA0AGA	575-3-60	251,000	280,000	2150	
RGS300HEAA0AGA	208/230-3-60	251,000	280,000	2150	
RGS300LEAA0AGA	460-3-60	251,000	280,000	2150	
RGS300SFAA0AGA	575-3-60	324,000	280,000	2155	
RGS300HFAA0AGA	208/230-3-60	324,000	280,000	2155	
RGS300LFAA0AGA	460-3-60	324,000	280,000	2155	



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### DEDICATED HORIZONTAL DISCHARGE & RETURN AIR CONFIGURATION MODELS WITH ALUMINUM GAS HEAT EXCHANGER

ORDERING NUMBER	VOLTAGE/ PHASE/HZ	HEAT LEVEL OUTPUT (Btuh)	COOLING CAPACITY (Btuh)	APPROXIMATE SHIPPING WT. (lbs)	
RGS183SDAA0AGA	575-3-60	176,000	192,000	1840	
RGS183HDAA0AGA	208/230-3-60	176,000	192,000	1840	
RGS183LDAA0AGA	460-3-60	176,000	192,000	1840	
RGS183SEAA0AGA	575-3-60	251,000	192,000	1845	
RGS183HEAA0AGA	208/230-3-60	251,000	192,000	1845	
RGS183LEAA0AGA	460-3-60	251,000	192,000	1845	
RGS183SFAA0AGA	575-3-60	324,000	192,000	1850	
RGS183HFAA0AGA	208/230-3-60	324,000	192,000	1850	
RGS183LFAA0AGA	460-3-60	324,000	192,000	1850	
RGS213SDAA0AGA	575-3-60	176,000	207,000	1855	
RGS213HDAA0AGA	208/230-3-60	176,000	207,000	1855	
RGS213LDAA0AGA	460-3-60	176,000	207,000	1855	
RGS213SEAA0AGA	575-3-60	251,000	207,000	1860	
RGS213HEAA0AGA	208/230-3-60	251,000	207,000	1860	
RGS213LEAA0AGA	460-3-60	251,000	207,000	1860	
RGS213SFAA0AGA	575-3-60	324,000	207,000	1865	
RGS213HFAA0AGA	208/230-3-60	324,000	207,000	1865	
RGS213LFAA0AGA	460-3-60	324,000	207,000	1865	
RGS243SDAA0AGA	575-3-60	176,000	242,000	2005	
RGS243HDAA0AGA	208/230-3-60	176,000	242,000	2005	
RGS243LDAA0AGA	460-3-60	176,000	242,000	2005	
RGS243SEAA0AGA	575-3-60	251,000	242,000	2010	
RGS243HEAA0AGA	208/230-3-60	251,000	242,000	2010	
RGS243LEAA0AGA	460-3-60	251,000	242,000	2010	
RGS243SFAA0AGA	575-3-60	324,000	242,000	2015	
RGS243HFAA0AGA	208/230-3-60	324,000	242,000	2015	
RGS243LFAA0AGA	460-3-60	324,000	242,000	2015	
RGS303SDAA0AGA	575-3-60	176,000	280,000	2145	
RGS303HDAA0AGA	208/230-3-60	176,000	280,000	2145	
RGS303LDAA0AGA	460-3-60	176,000	280,000	2145	
RGS303SEAA0AGA	575-3-60	251,000	280,000	2150	
RGS303HEAA0AGA	208/230-3-60	251,000	280,000	2150	
RGS303LEAA0AGA	460-3-60	251,000	280,000	2150	
RGS303SFAA0AGA	575-3-60	324,000	280,000	2155	
RGS303HFAA0AGA	208/230-3-60	324,000	280,000	2155	
RGS303LFAA0AGA	460-3-60	324,000	280,000	2155	



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### DEDICATED VERTICAL DISCHARGE & RETURN AIR CONFIGURATION MODELS WITH STAINLESS STEEL GAS HEAT EXCHANGER

ORDERING NUMBER	VOLTAGE/ PHASE/HZ	HEAT LEVEL OUTPUT (Btuh)	COOLING CAPACITY (Btuh)	APPROXIMATE SHIPPING WT. (lbs)	
RGS181SSAA0AGA	575-3-60	176,000	192,000	1850	
RGS181HSAA0AGA	208/230-3-60	176,000	192,000	1850	
RGS181LSAA0AGA	460-3-60	176,000	192,000	1850	
RGS181SRAA0AGA	575-3-60	251,000	192,000	1855	
RGS181HRAA0AGA	208/230-3-60	251,000	192,000	1855	
RGS181LRAA0AGA	460-3-60	251,000	192,000	1855	
RGS181STAA0AGA	575-3-60	324,000	192,000	1860	
RGS181HTAA0AGA	208/230-3-60	324,000	192,000	1860	
RGS181LTAA0AGA	460-3-60	324,000	192,000	1860	
RGS210SSAA0AGA	575-3-60	176,000	207,000	1865	
RGS210HSAA0AGA	208/230-3-60	176,000	207,000	1865	
RGS210LSAA0AGA	460-3-60	176,000	207,000	1865	
RGS210SRAA0AGA	575-3-60	251,000	207,000	1870	
RGS210HRAA0AGA	208/230-3-60	251,000	207,000	1870	
RGS210LRAA0AGA	460-3-60	251,000	207,000	1870	
RGS210STAA0AGA	575-3-60	324,000	207,000	1875	
RGS210HTAA0AGA	208/230-3-60	324,000	207,000	1875	
RGS210LTAA0AGA	460-3-60	324,000	207,000	1875	
RGS240SSAA0AGA	575-3-60	176,000	242,000	2015	
RGS240HSAA0AGA	208/230-3-60	176,000	242,000	2015	
RGS240LSAA0AGA	460-3-60	176,000	242,000	2015	
RGS240SRAA0AGA	575-3-60	251,000	242,000	2020	
RGS240HRAA0AGA	208/230-3-60	251,000	242,000	2020	
RGS240LRAA0AGA	460-3-60	251,000	242,000	2020	
RGS240STAA0AGA	575-3-60	324,000	242,000	2025	
RGS240HTAA0AGA	208/230-3-60	324,000	242,000	2025	
RGS240LTAA0AGA	460-3-60	324,000	242,000	2025	
RGS300SSAA0AGA	575-3-60	176,000	280,000	2155	
RGS300HSAA0AGA	208/230-3-60	176,000	280,000	2155	
RGS300LSAA0AGA	460-3-60	176,000	280,000	2155	
RGS300SRAA0AGA	575-3-60	251,000	280,000	2160	
RGS300HRAA0AGA	208/230-3-60	251,000	280,000	2160	
RGS300LRAA0AGA	460-3-60	251,000	280,000	2160	
RGS300STAA0AGA	575-3-60	324,000	280,000	2165	
RGS300HTAA0AGA	208/230-3-60	324,000	280,000	2165	
RGS300LTAA0AGA	460-3-60	324,000	280,000	2165	



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### DEDICATED HORIZONTAL DISCHARGE & RETURN AIR CONFIGURATION MODELS WITH STAINLESS STEEL GAS HEAT EXCHANGER

ORDERING NUMBER	VOLTAGE/ PHASE/HZ	HEAT LEVEL OUTPUT (Btuh)	COOLING CAPACITY (Btuh)	APPROXIMATE SHIPPING WT. (lbs)	
RGS183SSAA0AGA	575-3-60	176,000	192,000	1850	
RGS183HSAA0AGA	208/230-3-60	176,000	192,000	1850	
RGS183LSAA0AGA	460-3-60	176,000	192,000	1850	
RGS183SRAA0AGA	575-3-60	251,000	192,000	1855	
RGS183HRAA0AGA	208/230-3-60	251,000	192,000	1855	
RGS183LRAA0AGA	460-3-60	251,000	192,000	1855	
RGS183STAA0AGA	575-3-60	324,000	192,000	1860	
RGS183HTAA0AGA	208/230-3-60	324,000	192,000	1860	
RGS183LTAA0AGA	460-3-60	324,000	192,000	1860	
RGS213SSAA0AGA	575-3-60	176,000	207,000	1865	
RGS213HSAA0AGA	208/230-3-60	176,000	207,000	1865	
RGS213LSAA0AGA	460-3-60	176,000	207,000	1865	
RGS213SRAA0AGA	575-3-60	251,000	207,000	1870	
RGS213HRAA0AGA	208/230-3-60	251,000	207,000	1870	
RGS213LRAA0AGA	460-3-60	251,000	207,000	1870	
RGS213STAA0AGA	575-3-60	324,000	207,000	1875	
RGS213HTAA0AGA	208/230-3-60	324,000	207,000	1875	
RGS213LTAA0AGA	460-3-60	324,000	207,000	1875	
RGS243SSAA0AGA	575-3-60	176,000	242,000	2015	
RGS243HSAA0AGA	208/230-3-60	176,000	242,000	2015	
RGS243LSAA0AGA	460-3-60	176,000	242,000	2015	
RGS243SRAA0AGA	575-3-60	251,000	242,000	2020	
RGS243HRAA0AGA	208/230-3-60	251,000	242,000	2020	
RGS243LRAA0AGA	460-3-60	251,000	242,000	2020	
RGS243STAA0AGA	575-3-60	324,000	242,000	2025	
RGS243HTAA0AGA	208/230-3-60	324,000	242,000	2025	
RGS243LTAA0AGA	460-3-60	324,000	242,000	2025	
RGS303SSAA0AGA	575-3-60	176,000	280,000	2155	
RGS303HSAA0AGA	208/230-3-60	176,000	280,000	2155	
RGS303LSAA0AGA	460-3-60	176,000	280,000	2155	
RGS303SRAA0AGA	575-3-60	251,000	280,000	2160	
RGS303HRAA0AGA	208/230-3-60	251,000	280,000	2160	
RGS303LRAA0AGA	460-3-60	251,000	280,000	2160	
RGS303STAA0AGA	575-3-60	324,000	280,000	2165	
RGS303HTAA0AGA	208/230-3-60	324,000	280,000	2165	
RGS303LTAA0AGA	460-3-60	324,000	280,000	2165	





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## FACTORY INSTALLED OPTIONS

### POSITION 9 – INDOOR MOTOR OPTIONS

RTU Model Number example:	1	2	3	4	5	6	7	8	<b>9</b>	10	11	12	13	14
Ordering Position Number:	R	G	S	1	8	1	L	D	<b>A</b>	B	0	A	G	A

9 <sup>th</sup> DIGIT ORDER CODE	DESCRIPTION	VOLTAGE	MASTER PRICE ADDERS			
			181 / 183	210 / 213	240 / 243	300 / 303
A	Standard Static Option	208/230-3-60 or 460-3-60	Std.	Std.	Std.	Std.
		575-3-60	Std.	Std.	Std.	Std.
B	High Static Option	208/230-3-60 or 460-3-60	Price Add	Price Add	Price Add	Price Add
		575-3-60	Price Add	Price Add	Price Add	Price Add

### POSITION 10 - OUTDOOR AIR OPTIONS

RTU Model Number example:	1	2	3	4	5	6	7	8	9	<b>10</b>	11	12	13	14
Ordering Position Number:	R	G	S	1	8	1	L	D	A	<b>B</b>	0	A	G	A

10 <sup>th</sup> DIGIT ORDER CODE	DESCRIPTION	PRICE ADDER	
		181/183 - 210/213	240/243 - 300/303
A	None	Std.	Std.
B	Temperature Economizer w/ Barometric relief (Vertical & Horiz't'l Air flow)	Price Add	Price Add
E	Temperature Economizer w/ Baro-relief (Vert'l & Horiz't'l Air flow) and CO2	Price Add	Price Add
H	Enthalpy Economizer w/ Barometric relief (Vertical & Horiz't'l Air flow)	Price Add	Price Add
L	Enthalpy Economizer w/ / Baro-relief (Vert'l & Horiz't'l Air flow) and CO2	Price Add	Price Add
P	Motorized 2 pos damper w/ Barometric relief (Vertical & Horiz't'l Air flow)	Price Add	Price Add

#### NOTES:

- EconoMi\$er IV ((Vertical & Horiz't'l Air flow)
  - Up to 100%+ barometric relief capability.
  - Gear-driven, fully modulating 3-position damper. Includes occupied/unoccupied minimum position and maximum position.
  - Direct-mount Belimo spring return actuator closes damper on power loss.
  - Solid-state control module for non-DDC applications
  - OAT and SAT sensors factory installed



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## FACTORY INSTALLED OPTIONS

### POSITION 11 & 12 - FACTORY-INSTALLED OPTIONS

RTU Model Number example:	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Ordering Position Number:	R	G	S	1	8	1	L	D	A	B	0	A	G	A

#### To determine the Option Ordering Code and place an order:

1. Select the desired combination of options from the table below. The 2-letter Ordering Code is listed to the left of the Option combination.
2. Enter the 2-letter Code as the 11th and 12th digits of the Base Unit Ordering Number.
3. To determine Master Price for FIOP unit, add price of option combination selected to master price of base unit.

### FACTORY-INSTALLED OPTION DESCRIPTIONS

OPTION	DESCRIPTION	NOTES
2	Non-Fused Disconnect Switch	2
5	Un-powered Convenience Outlet	3
9	Supply Air Smoke Detector	-

### FACTORY-INSTALLED OPTION PRICES

ORDER CODE	OPTIONS	PRICE ADDER	
		181/183 - 210/213	240/243 - 300/303
0A	None	Standard	Standard
4B	2	Price Add	Price Add
7C	2,5	Price Add	Price Add
7K	2,5,9	Price Add	Price Add
8A	2,9	Price Add	Price Add
AT	5	Price Add	Price Add
BR	5,9	Price Add	Price Add

#### NOTES:

2. Non-fused disconnect switch cannot be used when rooftop MOCP electrical rating exceeds 200 amps.
3. Un-powered convenience outlet requires separate field supplied 115-120v power source. Transformer is NOT included.





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## FACTORY INSTALLED OPTIONS

### POSITION 13 - CORROSION RESISTANT COILS

RTU Model Number example:	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Ordering Position Number:	R	G	S	1	8	1	L	D	A	B	0	A	G	A

Enviro-Shield™ Description	Environment					
	Standard Non- Corrosive	Mild Coastal	Moderate Coastal	Severe Coastal	Industrial	Industrial & Coastal
E-Coated Al / Al					X	X

### TWO STAGE ( Dual Compressor ) COOLING CAPACITY MODELS

13 <sup>th</sup> Digit Order Code	DESCRIPTION		PRICE ADDERS		
	Condenser Coil (Fins/Tube)	Evaporator Coil (Fins/Tube)	181/183 – 210/213	240 / 243	300 / 303
G	AL/AL	AL/CU	Std.	Std.	Std.
K	E-Coat Al / Al	AL/CU	Price Add	Price Add	Price Add

Notes:

1. Condenser coil ( outdoor coil ) is a micro-channel (MCHX) aluminum / aluminum coil design.



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## FIELD INSTALLED ACCESSORIES

### ECONOMIZER IV (CONTROLLER INCLUDED)

#### VERTICAL & HORIZONTAL

ORDERING NUMBER	DESCRIPTION	APPLICATION USAGE	APPROX SHIP WT (LBS)	MASTER PRICE
DNECOMZR052A00	Vertical and Horizontal EconoMi\$er IV with solid-state controller, gear-driven, modulating damper, spring return actuator, up to 100% barometric relief, supply and outdoor air sensors and outdoor air hood. CO2 sensor compatible	181 / 183 210 / 213 240 / 243	200	Price Add
DNECOMZR053A00	Vertical and Horizontal EconoMi\$er IV with solid-state controller, gear-driven, modulating damper, spring return actuator, up to 100% barometric relief, supply and outdoor air sensors and outdoor air hood. CO2 sensor compatible	300 / 303	210	Price Add

#### NOTES:

EconoMi\$er IV cannot be installed with an EconoMi\$er IV, Manual Damper or Motorized Damper.

## ECONOMIZER SENSORS

### ECONOMIZER SENSOR USAGE CHART

DESIRED CONTROL METHOD		ECONOMIZER IV <sup>1</sup> REQUIRED FIELD-INSTALLED SENSOR(S)
Single Dry Bulb Control		None. Outside Air dry bulb sensor is factory installed.
Single Enthalpy Control		(1 AXB078ENT
Differential Enthalpy Control		(1) AXB078ENT & (1) DNENTDIF004A00
To Add CO <sub>2</sub> DCV Control with above:	Duct Mount	(1) DNCBDIOX005A00

#### NOTES:

1. OAT and SAT sensors included for EconoMi\$er IV.

ODS ORDERING NUMBER	DESCRIPTION	APPLICATION USAGE	
DNTEMPSN002A00	Outdoor or Return Dry Bulb Temperature Sensor used with Electro-Mechanical control.	EconoMi\$er IV	Price Add
DNCBDIOX005A00	CO2 Sensor for use in return air stream. Also includes Aspirator Box required for Duct Mounting.	EconoMi\$er IV	Price Add
AXB078ENT	Accusensor II Economizer Differential Enthalpy Control Upgrade	EconoMi\$er IV	Price Add
DNENTDIF004A00	Return Air Enthalpy Sensor used with Electro-Mechanical controls, use with AXB078ENT for differential enthalpy control.	EconoMi\$er IV	Price Add

#### NOTES:

1. Supply air temperature sensor (SAT and low ambient lockout switch) provided with EconoMi\$er IV
2. CRCBDIOX005A00 contains both 33ZCSENCO2 and 33ZCASPCO2



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## FIELD INSTALLED ACCESSORIES CONT'D

### POWER EXHAUST OPTIONS

#### VERTICAL & HORIZONTAL

ORDERING NUMBER	DESCRIPTION	APPLICATION USAGE <sup>2</sup>	PRICE
CRPWREXH068A00	Power Exhaust - Multi Centrifugal Fan Design. Includes hood. Works on both Vertical and Horizontal duct configuration models.	181 – 303 ( All sizes ) 208/230-3-60 Vertical or Horizontal Duct Configuration	Price Add
CRPWREXH069A00	Power Exhaust - Multi Centrifugal Fan Design. Includes hood. Works on both Vertical and Horizontal duct configuration models.	181 – 303 ( All sizes ) 460-3-60 Vertical or Horizontal Duct Configuration	Price Add
CRPWREXH070A00	Power Exhaust - Multi Centrifugal Fan Design. Includes hood. Works on both Vertical and Horizontal duct configuration models.	181 – 303 ( All sizes ) 575-3-60 Vertical or Horizontal Duct Configuration	Price Add

#### NOTES:

1. When power exhaust is used on horizontal applications, it must be field mounted to the side of the return duct.
2. Power exhausts can be used with both EconoMi\$er IV. The power exhaust is controlled by the EconoMi\$er IV controller.

### OUTDOOR AIR DAMPER OPTIONS

#### MANUAL OUTDOOR AIR DAMPERS - VERTICAL OR HORIZONTAL

ORDERING NUMBER	DESCRIPTION	APPLICATION USAGE <sup>1</sup>	PRICE
CRMANDPR009A00	25% Open Manual Outdoor Air Damper Package	181 / 183 210 / 213 240 / 243	Price Add
CRMANDPR010A00	25% Open Manual Outdoor Air Damper Package	300 / 303	Price Add

#### NOTES:

- <sup>1</sup> Manual Dampers cannot be installed with an EconoMi\$er IV or Motorized 2-position Damper.

#### TWO POSITION MOTORIZED OUTDOOR AIR DAMPERS - VERTICAL OR HORIZONTAL

ORDERING NUMBER	DESCRIPTION	APPLICATION USAGE	PRICE
CRTWOPOS012A00	Two-Position Motorized Outdoor Air Damper. Spring return damper closes when unit is off. Includes damper, hood, and all hardware.	181 / 183 210 / 213 240 / 243	Price Add
CRTWOPOS013A00	Two-Position Motorized Outdoor Air Damper. Spring return damper closes when unit is off. Includes damper, hood, and all hardware.	300 / 303	Price Add

#### NOTES:

1. Manual dampers include hood assembly, bird screen, adjustable damper blade (to allow up to the rated outdoor air %), and bottom panel.
2. Motorized dampers include bottom panel and adjustable damper to allow up to the rated outdoor air %.
3. Motorized dampers will close on loss of power to the rooftop unit.
4. Manual and Motorized 2-position dampers are not compatible with a power exhaust module.



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## FIELD INSTALLED ACCESSORIES CONT'D

### ROOF CURB OPTIONS

#### STANDARD ROOF CURBS

ORDERING NUMBER	DESCRIPTION	APPLICATION USAGE	Approx. SHIP WGT.(Lbs)	PRICE
CRRFCURB045A00	14-inch Tall Roof Curb. Complies with NRCA standards. Ductwork attaches to the roof curb. Includes thru-the-bottom capability.	181 / 183 210 / 213	243	Price Add
CRRFCURB047A00	14-inch Tall Roof Curb. Complies with NRCA standards. Ductwork attaches to the roof curb. Includes thru-the-bottom capability.	240 / 243 300 / 303	273	Price Add
CRRFCURB046A00	24-inch Roof Curb. Complies with NRCA standards. Ductwork attaches to the roof curb. Includes thru-the-bottom capability.	181 / 183 210 / 213	315	Price Add
CRRFCURB048A00	24-inch Roof Curb. Complies with NRCA standards. Ductwork attaches to the roof curb. Includes thru-the-bottom capability.	240 / 243 300 / 303	350	Price Add

#### LOUVERED HAIL GUARDS - CONDENSER COIL

ORDERING NUMBER	DESCRIPTION	APPLICATION USAGE	PRICE
CRLVHLGD017A00	Louvered Condenser Coil Hail Guard -- Includes louvered panel(s) to protect condenser coil from damage and vandalism.	181 / 183 210 / 213	Price Add
CRLVHLGD018A00	Louvered Condenser Coil Hail Guard -- Includes louvered panel(s) to protect condenser coil from damage and vandalism.	240 / 243	Price Add
CRLVHLGD019A00	Louvered Condenser Coil Hail Guard -- Includes louvered panel(s) to protect condenser coil from damage and vandalism.	300 / 303	Price Add

#### PROPANE & HIGH ALTITUDE PROPANE KITS

ORDERING NUMBER	DESCRIPTION	APPLICATION USAGE	PRICE
CRLPKIT9001A00	Propane conversion kit. Contains the necessary spuds and parts to convert rooftop to Propane at altitudes between 0 ft to 2,000 ft.	All Sizes	Price Add
CRLPELEV005A00	Hi Altitude Propane conversion kit. Contains the necessary spuds and parts to convert rooftop to Propane at altitudes between 2,001 ft to 10,000 ft.	All Sizes	Price Add
CRLPELEV006A00	Hi Altitude Propane conversion kit. Contains the necessary spuds and parts to convert rooftop to Propane at altitudes between 10,001 ft to 14,000 ft.	All Sizes	Price Add



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## FIELD INSTALLED ACCESSORIES CONT'D

### NATURAL GAS HIGH ALTITUDE KITS

ORDERING NUMBER	DESCRIPTION	APPLICATION USAGE	PRICE
CRNGELEV001A00	Hi Altitude Natural gas conversion kit. Contains the necessary spuds and parts to convert rooftop to altitudes between 3,000 ft to 10,000 ft.	All Sizes	83
CRNGELEV002A00	Hi Altitude Natural gas conversion kit. Contains the necessary spuds and parts to convert rooftop to altitudes between 10,001 ft to 14,000 ft.	All Sizes	83

### HEATING UPGRADE KITS

ORDERING NUMBER	DESCRIPTION	APPLICATION USAGE	MASTER PRICE
CRFLUEDS006A00	Flue Discharge Deflector - Directs flue gas exhaust 90 degrees upward from current discharge. Designed to allow tighter distances between unit and combustible surfaces. 24 inch Height. AGA certified.	All	Price Add

### 4" FILTER TRACK UPGRADE KIT

ORDERING NUMBER	DESCRIPTION	APPLICATION USAGE	PRICE
CRFLTTRK001A00	4" Field Conversion Kit - Converts the unit standard 2" filter tracks to 4" filter tracks. All hardware and instructions are included in the kit.	All	Price Add

### CONTROLS ACCESSORIES

ORDERING NUMBER	DESCRIPTION	APPLICATION USAGE	PRICE
DNPHASE3001A02	Phase Monitor Control - Provides phase loss/phase reversal protection	All 208-230/3/60 & 460/3/60 Voltages	Price Add
DNPHASE3002A01	Phase Monitor Control - Provides phase loss/phase reversal protection	All -575v Voltage	Price Add
CRSTATUS005A00	Fan/Filter Status Switch - Indicator light not included.	Std. Controls	Price Add
DNTIMEGD001A00	Time Guard II -- Automatically prevents the compressor from restarting for at least 4 minutes and 45 seconds after shutdown of the compressor. Not required when a corporate programmable thermostat is applied or with a RTU-MP control.	Std. Controls	Price Add
CRSDTEST001A00	Smoke detector remote test/Reset/Alarm indicator kit	All	Price Add
CRSMKSEN002A00	Smoke Detector Control Module - Controller that can control either Return and/or Supply smoke detectors. One required per unit.	All	Price Add
CRSMKKIT002A00	Smoke Detector - Sensor with sampling tube, and exhaust tube. Can be used in Return or Supply Air. One required for use with Return or Supply, two required if both Return Air and Supply Air detection is required.	All	Price Add
DNWINSTR001A00	Winter Start Package - Contains time delay relay for timed bypass of low pressure switch on startup. <sup>1</sup>	All	Price Add



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## LOW AMBIENT CONTROLS MASTER PRICES

ORDERING NUMBER	DESCRIPTION	APPLICATION USAGE	PRICE
CRLOWAMB027A00	Motormaster® I Low Ambient Control - Enables cooling system to operate down to -20° F by cycling condenser fan on and off. The control is activated by a temperature sensor. Kit contains all necessary controller, motor and connecting parts.	All 208/230-3-60	Price Add
CRLOWAMB028A00	Motormaster® I Low Ambient Control - Enables cooling system to operate down to -20° F by cycling condenser fan on and off. The control is activated by a temperature sensor. Kit contains all necessary controller, motor and connecting parts.	All 460-3-60 575-3-60	Price Add
CRTRXKIT001A00	Motormaster® I Low Ambient Control - Transformer Kit. Must use in conjunction with CRLOWAMB028A00 if used on 575-3-60 volt models.	575-3-60	Price Add